

Georgia 2023 Technical Document

Sampling

A stratified multi-stage cluster sample design was used to complete 1,000 face-to-face surveys.

Target Population/Coverage: Non-institutionalized adult population (15 years of age or older) living in households. Stratification and selection used information from the 2015 General Population Census. South Osseti and Abkhazia were not included for the safety of the interviewers. In addition, very remote mountainous villages or with less than 100 inhabitants were also excluded. The excluded area represents approximately 8% of the population.

Stratification: The sampling frame was stratified by geographic region and urbanicity, resulting in a total of 20 possible strata groups. Some small strata are aggregated as one due to their small population size, resulting a total of 17 strata. These include 10 administrative regions: Tbilisi (the capital), Adjara, Guria, Imereti & Racha Lechkhumi and Kvemo Svaneti, Kakheti, Mtskheta Mtianeti, Shida Kartli, Samegrlo, Kvemo Kartli, Samtskhe-Javakheti. The regions were further stratified by urban/rural status as defined by the statistical office of Georgia.

Sample Selection: Primary Sampling Units (PSUs) are cities/towns and rural settlements (villages). PSUs were selected using probabilities proportional to population size, where the total 0+ population was the measure of size. A total of 125 PSUs were selected.

Within each selected PSU a random starting point was identified. Using the right-hand rule and a fixed interval of 3 households (i.e. every third household is selected), interviewers selected eligible households until the required number of interviews were completed. In large apartment buildings (with 10 or more residential units), an interval of 5 was used. Within each selected household, interviewers listed all eligible (15+ adults) individuals and randomly selected a respondent using the Kish grid method. In case of refusals or non-contacts, households were replaced along the random route using the same interval.

Data Collection: July 14, 2023 – October 28, 2023

AAPOR3 response rate: 50%

Weighting: The sample data were weighted to minimize bias in survey-based estimates. The weighting procedure was formulated based on the sample design and was carried out in multiple stages. A probability weight factor (base weight) was constructed to correct for unequal selection probabilities. At the next step, the base weights were post-stratified to adjust for non-response and to match the weighted sample totals to known target population totals obtained from country-level census data.

Design Effect: 1.51

Margin of error: $\pm 3.8\%$ (95% confidence level)

Population sources used for constructing weights were based on the following:

Age, Gender, Region, Urbanicity: National Statistics Office of Georgia, 2022 update

Education: 2016 update of 2014 National Census, National Statistics office of Georgia

Age	SAMPLE_UNWTD	SAMPLE_WTD	TARGET
15-24	9.3	14.0	14.2
25-34	12.0	16.6	16.7
35-44	15.1	17.3	17.2
45-54	13.2	15.8	15.7
55-64	17.9	16.6	16.6
65+	32.5	19.8	19.5
Education	SAMPLE_UNWTD	SAMPLE_WTD	TARGET
Incomplete secondary or less	5.8	12.1	12.4
Complete secondary	35.3	39.7	39.8
Vocational/incomplete higher education	25.0	19.0	18.9
Higher education	33.9	29.1	29.0
Sex	SAMPLE_UNWTD	SAMPLE_WTD	TARGET
Male	31.1	46.6	46.9
Female	68.9	53.4	53.1
Region	SAMPLE_UNWTD	SAMPLE_WTD	TARGET
Tbilisi	31.2	32.6	32.6
Imereti	14.4	12.8	12.7
Adiara	8.8	9.7	9.6
Samegrelo	8.8	8.2	8.2
Shida Kartli	7.2	6.8	6.8
Kvemo Kartli	11.2	11.8	11.8
Mtskheta	2.4	2.4	2.5
Samtskhe-Javakheti	4.0	4.0	4.0
Kakheti	8.0	8.0	8.3
Guria	3.2	2.9	2.9
Lechkhumi and Kvemo Svaneti	0.8	0.8	0.7
Urbanicity	SAMPLE_UNWTD	SAMPLE_WTD	TARGET
Urban	56.0	59.8	59.9
Rural	44.0	40.2	40.1