

Moldova 2023 Technical Document

Moldova 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 2014 Republic of Moldova Census. Transnistria (Prednestrovia) excluded for safety of interviewers. The excluded area represents approximately 13% of the population.

Stratification: The sampling frame was stratified by geographic region and urbanicity, resulting in a total of 6 strata groups. These include three administrative regions: Center, North and South. The regions were further stratified by urban/rural status as defined by the statistical office of Moldova.

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. In cases where population numbers were not available at the village level, the average village size per commune (commune population divided by number of villages) was used as a measure of size. Communes are groupings of two or more villages created under the Moldovan law on territorial administrative organization. A total of 100 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, 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 the CAPI program randomly selected a respondent. In case of refusals or non-contacts, households were replaced along the random route using the same interval.

Data Collection: July 5, 2023 – September 25, 2023

AAPOR3 response rate: 52%

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: 1.97

Margin of error: $\pm 4.4\%$ (95% confidence level)

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

Age, Gender, Urbanicity: National Bureau of Statistics of the Republic of Moldova 2023 Population estimates

Region: 2014 Republic of Moldova Census, National Bureau of Statistics of the Republic of Moldova

Education: National Bureau of Statistics of the Republic of Moldova, Labour Force Survey, 2022

Age	SAMPLE_UNWTD	SAMPLE_WTD	TARGET
15-24	12.8	12.2	12.0
25-34	13.4	14.7	16.4
35-44	17.5	19.4	18.7
45-54	15.7	16.1	15.8
55+	40.6	37.6	37.1
Education	SAMPLE_UNWTD	SAMPLE_WTD	TARGET
No Educ/Primary/Incomplete Sec	5.4	24.8	29.5
Secondary	27.1	19.1	17.9
Secondary Voc/Incomplete Higher	47.5	36.6	34.1
Higher and Postgrad	20.0	19.6	18.5
Sex	SAMPLE_UNWTD	SAMPLE_WTD	TARGET
Male	45.5	46.4	46.3
Female	54.5	53.6	53.7
Urbanicity	SAMPLE_UNWTD	SAMPLE_WTD	TARGET
Urban	35.0	42.2	42.8
Rural	65.0	57.8	57.2
Region	SAMPLE_UNWTD	SAMPLE_WTD	TARGET
North	30.0	27.9	27.6
Center	49.0	53.0	52.8
South	21.0	19.1	19.7