

El Salvador 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. The 2018 population projections based off the 2007 National Census population distributions within municipality was used for both stratification and sample selection.

Stratification: The sampling frame was stratified into 8 strata of region by urbanicity: Central Urban, Central Rural, Western Central, Western Rural, Central East Urban, Central East Rural, Eastern Urban, Eastern Rural.

Sample Selection: Primary Sampling Units (PSUs) are Census-designated units (“Segmento Censal”). PSUs were selected using probabilities proportional to population size (PPS), where total population was the measure of size. A total of 100 PSUs were selected in the final sample.

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. 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: October 4, 2023 – December 22, 2023

AAPOR3 response rate: 57%

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: 1.86

Margin of error: $\pm 4.2\%$ (95% confidence level)

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

Age, Gender, Region: General Direction of Statistics and Census (DIGESTYC). Estimates and Projections of Population

Education, Urbanicity: General Direction of Statistics and Census (DIGESTYC). Vi Census Of Population And V Of Housing 2007

Age	SAMPLE_UNWTD	SAMPLE_WTD	TARGET
15-24	15.8	22.8	23.9
25-34	20.1	23.0	23.7
35-44	17.1	16.6	16.2
45-54	14.0	13.9	13.5
55+	33.0	23.7	22.7
Education	SAMPLE_UNWTD	SAMPLE_WTD	TARGET
None	36.5	48.9	49.1
Primary	23.0	27.3	28.4
Secondary	21.9	14.2	13.6
Superior	18.6	9.6	8.9
Sex	SAMPLE_UNWTD	SAMPLE_WTD	TARGET
Male	27.1	43.5	45.2
Female	72.9	56.5	54.8
Region	SAMPLE_UNWTD	SAMPLE_WTD	TARGET
Ahuachapán	6.0	5.7	5.6
Cabanas	3.0	2.3	2.2
Chalatenango	5.0	2.8	2.6
Cuscatlán	3.0	4.2	4.1
La Libertad	12.0	13.4	13.2
La Paz	6.0	5.6	5.6
La Unión	5.0	3.4	3.2
Morazán	2.0	3.0	2.9
San Miguel	8.0	7.3	7.0
San Salvador	26.0	27.5	29.0
San Vicente	2.0	2.5	2.7
Santa Ana	9.0	8.9	8.8
Sonsonate	7.0	8.1	7.8
Usulután	6.0	5.4	5.2
Urbanicity	SAMPLE_UNWTD	SAMPLE_WTD	TARGET
Urban	63.0	64.3	65.3
Rural	37.0	35.7	34.7