



# FIELDWORK REPORT

**Project Title: COVID-19 Georgia High Frequency Survey (GHFS) Wave 8,  
2022**

**Poverty and Equity Global Practice, The World Bank  
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## Objectives

The second set of the COVID 19 Monitor Survey was conducted in partnership with the World Bank. It built upon the COVID 19 Monitor survey that was conducted in April-June 2020 and aims to understand the poverty impacts of COVID 19 on the population of Georgia as well as a number of related outcomes. The survey used random digit dialing for sampling, with an achieved sample size of 2051 individuals. This was the 8<sup>th</sup> wave of the survey.

## Geographical and population coverage

For the current survey, CRRC-Georgia used Computer-assisted telephone-interview (CATI) technique for data collection. This approach allowed us to eliminate illegal values in the dataset. As the skip patterns were assigned automatically, it was impossible to violate predefined flow of the questionnaire.

The team used android-based tablet computers (Samsung Galaxy Tab3 and Tab5). The hardware had integrated sim-cards, which permits uploading completed interviews instantly via mobile internet. CRRC employed the open-source software ODK (Open Data Kit) to create the questionnaire forms.<sup>1</sup> ODK, a free, standardized and open-source software package, allows quick deployment and adjustment of the forms based on survey needs.

The survey results are representative of the adult population of Georgia.

Interviews were conducted in Georgian, Armenian, Azerbaijani and Russian.

## Sampling design

The survey initially intended to have close to 2000 respondents. In practice, 2051 interviews were completed. The sample was representative of the adult population of Georgia.

For this purpose 22,222 mobile phone numbers were randomly generated. Randomly generated numbers were stratified by existing mobile operator indices: 551, 555, 557, 558, 568, 571, 574, 577, 579, 591, 592, 593, 595, 597, 598, and 599. For calculation of distribution of randomly generated numbers across indices, the set of existing Tbilisi-based mobile numbers from CRRC's earlier phone surveys was used as a representative random sample of Tbilisi mobile-phone users:

| Index | Distribution across indices from earlier surveys |          |          |            | Average | Numbers generated within the index |
|-------|--|----------|----------|------------|---------|------------------------------------|
|       | 2019 Feb   | 2020 Sep | 2020 Feb | Phone List |         |                                    |
| 551   | 2.5%   | 2.9%     | 3.0%     | 4.6%       | 3.3%    | 724                                |
| 555   | 16.9%  | 14.9%    | 19.6%    | 9.1%       | 15.1%   | 3362                               |
| 557   | 1.5%   | 2.8%     | 1.4%     | 6.6%       | 3.1%    | 682                                |
| 558   | 8.3%   | 3.4%     | 2.1%     | 4.6%       | 4.6%    | 1024                               |
| 568   | 1.1%   | 1.5%     | 0.7%     | 5.6%       | 2.2%    | 489                                |
| 571   | 0.5%   | 1.2%     | 0.7%     | 4.8%       | 1.8%    | 398                                |
| 574   | 0.6%   | 2.7%     | 0.7%     | 4.5%       | 2.1%    | 469                                |

<sup>1</sup> See <http://opendatakit.org/about>

|       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|
| 577   | 10.9% | 8.7%  | 8.5%  | 9.3%  | 9.3%  | 2075  |
| 579   | 0.0%  | 0.7%  | 0.0%  | 5.1%  | 1.5%  | 322   |
| 591   | 4.1%  | 4.0%  | 2.6%  | 6.3%  | 4.3%  | 945   |
| 592   | 0.5%  | 0.8%  | 0.1%  | 3.9%  | 1.3%  | 299   |
| 593   | 8.1%  | 5.5%  | 5.5%  | 5.7%  | 6.2%  | 1376  |
| 595   | 8.0%  | 6.9%  | 5.2%  | 6.3%  | 6.6%  | 1469  |
| 597   | 1.4%  | 2.1%  | 1.2%  | 5.8%  | 2.6%  | 579   |
| 598   | 8.6%  | 10.6% | 8.1%  | 6.6%  | 8.5%  | 1884  |
| 599   | 27.0% | 31.2% | 40.7% | 11.4% | 27.6% | 6125  |
| TOTAL |       |       |       |       |       | 22222 |

### Sampling frame

There was no physical sampling frame as the phone numbers were randomly generated. The virtual sampling frame was the list of all possible mobile phone numbers in Georgia.

### Fieldwork

Fieldwork personnel consisted of 34 individuals in total (See Table below for details).

| Gender | Age | Education           | Years of working as an interviewer | Region         |
|--------|-----|---------------------|------------------------------------|----------------|
| Female | 34  | Higher Education    | 1                                  | Adjara - Guria |
| Male   | 23  | Higher Education    | 3                                  | Kvemo Kartli   |
| Female | 36  | Higher Education    | 5                                  | Kakheti        |
| Female | 63  | Higher Education    | 15                                 | Kakheti        |
| Female | 70  | Higher Education    | 20                                 | Kakheti        |
| Female | 40  | Higher Education    | 1                                  | Kakheti        |
| Female | 41  | Higher Education    | 1                                  | Kakheti        |
| Female | 52  | Technical Education | 5                                  | Tbilisi        |
| Female | 55  | Higher Education    | 5                                  | Tbilisi        |
| Female | 43  | Higher Education    | 10                                 | Tbilisi        |
| Female | 51  | Technical Education | 7                                  | Tbilisi        |
| Female | 49  | Higher Education    | 6                                  | Tbilisi        |
| Female | 27  | Higher Education    | 6                                  | Tbilisi        |
| Female | 43  | Higher Education    | 10                                 | Tbilisi        |
| Female | 63  | Higher Education    | 7                                  | Tbilisi        |
| Female | 42  | Higher Education    | 4                                  | Tbilisi        |
| Female | 21  | Student             | 0                                  | Tbilisi        |
| Female | 40  | Higher Education    | 6                                  | Tbilisi        |
| Female | 44  | Higher Education    | 1                                  | Tbilisi        |
| Female | 63  | Secondary           | 1                                  | Tbilisi        |

|        |    |                  |     |         |
|--------|----|------------------|-----|---------|
| Female | 49 | Higher Education | 8   | Tbilisi |
| Female | 49 | Higher Education | 8   | Tbilisi |
| Female | 45 | Higher Education | 1   | Tbilisi |
| Female | 20 | Student          | 1   | Tbilisi |
| Female | 23 | Higher Education | 1   | Tbilisi |
| Female | 48 | Higher Education | 1   | Tbilisi |
| Female | 30 | Higher Education | 1   | Tbilisi |
| Female | 46 | Higher Education | 5   | Tbilisi |
| Female | 36 | Higher Education | 1   | Tbilisi |
| Female | 29 | Higher Education | 1   | Tbilisi |
| Female | 47 | Higher Education | 1   | Tbilisi |
| Female | 29 | Higher Education | 0.5 | Tbilisi |
| Female | 32 | Higher Education | 1   | Tbilisi |
| Female | 49 | Higher Education | 1   | Tbilisi |

For the survey CRRC Georgia conducted two trainings in Tbilisi on December 16, 2022 using the Zoom program. During the trainings, interviewers practiced the questionnaire, sampling instructions, and discussed possible problems or challenges that might arise during the fieldwork.

The training covered the following topics:

- Sampling instructions
- Respondent selection
- Overview of the questionnaire with special attention to problematic questions
- Conducting test interviews

Overall, the fieldwork went well. Interviewers did not note any problems.

## Data management and analysis

### Data cleaning

Data cleaning was carried out to identify and, where possible, correct inconsistencies. In addition, open-ended questions with textual responses were recoded so that these answers matched numeric codes. It should be noted that, with CATI, the cleaning process was straightforward: pre-programmed questionnaire forms help to eliminate ambiguous codes from being entered in the dataset. Also, the form did not accept errors related to selecting more values than permitted in the questionnaire. Additional protocols for data cleaning are summarized in Table 8:

| Issue  | Protocol  |
|--|---|
| String responses were typed ambiguously, but the data cleaning specialist could determine the intended response. | The value was changed to the response identified by the data cleaning specialist. |

String responses were typed ambiguously, but the data cleaning specialist could not determine the intended response.

The value was changed to a question non-response code.

### *Weighting*

Census data was used to calculate poststratification weights for individuals and households. For individual level weights national data on adult population by settlement type (Capital Urban or Rural) , ethnicity (Georgian or other), age group (18-34, 35-54 and 55+), sex, and education (secondary or lower, vocational, and higher) were used. Census data on the average household size and number of households was used to calculate post stratification household weights.

By using HH-weights, the sample is representative of the households at national level. By using the individual weights, the sample is representative of the adult population at settlement type (Capital Urban or Rural) , ethnicity (Georgian or other), age group (18-34, 35-54 and 55+), sex, and education (secondary or lower, vocational, and higher) levels. Tables below present proportions of each level in the nonweighted, weighted dataset, and in population.

| <b>Stratum</b>     | Sample (without weights) | Weighted Sample | Population (Census) |
|--------------------|--------------------------|-----------------|---------------------|
| Capital            | 34                       | 30              | 30                  |
| Urban              | 33                       | 27              | 27                  |
| Rural              | 32                       | 43              | 43                  |
| <b>Age</b>         |                          |                 |                     |
|                    | Sample (without weights) | Weighted Sample | Population (Census) |
| 18-34              | 25                       | 31              | 31                  |
| 35-54              | 38                       | 35              | 35                  |
| 55-120             | 37                       | 34              | 34                  |
| <b>Sex</b>         |                          |                 |                     |
|                    | Sample (without weights) | Weighted Sample | Population (Census) |
| Male               | 45                       | 46              | 46                  |
| Female             | 55                       | 54              | 54                  |
| <b>Education</b>   |                          |                 |                     |
|                    | Sample (without weights) | Weighted Sample | Population (Census) |
| Secondary or lower | 37                       | 51              | 51                  |
| Vocational         | 17                       | 19              | 19                  |
| Higher             | 46                       | 30              | 30                  |
| <b>Ethnic</b>      |                          |                 |                     |
|                    | Sample (without weights) | Weighted Sample | Population (Census) |
| Georgian           | 93                       | 87              | 87                  |

|              |   |    |    |
|--------------|---|----|----|
| Non-Georgian | 7 | 13 | 13 |
|--------------|---|----|----|

| Households | Sample (without weights) | Weighted Sample | Population (Census) |
|------------|--------------------------|-----------------|---------------------|
| 1 member   | 7                        | 15              | 15                  |
| 2 members  | 15                       | 21              | 21                  |
| 3 members  | 15                       | 18              | 18                  |
| 4 members  | 21                       | 17              | 17                  |
| 5 members  | 17                       | 14              | 14                  |
| 6 members  | 12                       | 9               | 9                   |
| 7 members  | 7                        | 4               | 4                   |
| 8 members  | 4                        | 2               | 2                   |
| 9 members  | 1                        | 1               | 1                   |
| 10 members | 1                        | 0               | 0                   |
| 11 members | 0                        | 0               | 0                   |
| 12 members | 0                        | 0               | 0                   |
| 13 members |                          |                 | 0                   |

*Back Check*

CRRC-Georgia conducted a back check of 10% of the interviews after the fieldwork. The back check fieldwork was conducted on December 24 – December 28, 2022 simultaneously with the fieldwork. The backcheck fieldwork personnel consisted of 1 interviewer. The backcheck showed that interviews were conducted properly.

Back check interviews were selected using the RAND() function in excel one day before the fieldwork was complete. In sum, 200 interviews were selected and checked.

*Response rate*

The minimum response rate for the survey was 25%. The response rate calculations are provided in the table below.

|  | Your survey data go below |
|--|---------------------------|
| <b>Interview (Category 1)</b>                    |                           |
| Complete (all versions)                          | 2026                      |
| Partial (all versions)                           | 176                       |
| <b>Eligible, non-interview (Category 2)</b>      |                           |
| Refusal and breakoff (phone, IPHH, mail, mail_U) | 2890                      |

|   |      |
|---|------|
| Refusal (phone, IPHH, mail, web)  |      |
| Household-level refusal (phone, IPHH, mail, web)  |      |
| Known-respondent refusal (phone, IPHH, mail, web)   |      |
| Implicit refusal (phone, mail, mail_U)  |      |
| Break off/ Implicit refusal (phone, mail, web, mail_U)  |      |
|   |      |
| Non-contact (phone, IPHH, mail, web, mail_U)  |      |
| Respondent never available (phone)  |      |
| Telephone answering device confirming HH (phone)  |      |
| Answering machine household-no message left (phone)   |      |
| Answering machine household-message left (phone)  |      |
| Respondent unavailable during field period (IPHH, mail, mail_U)                               |      |
| Respondent unavailable during field period (web)  |      |
|   |      |
| Other, non-refusals (phone, IPHH, mail, web, mail_U)  |      |
| Deceased respondent (phone, IPHH, mail, mail_U)   |      |
| Physically or mentally unable/incompetent (phone, IPHH, mail, mail_U)                         |      |
| Language problem (phone, IPHH, mail, mail_U)  | 221  |
| Household-level language problem (phone, IPHH, mail)  |      |
| Respondent language problem (phone, IPHH, mail, mail_U)                                       |      |
| No interviewer available for needed language/Wrong language questionnaire (phone, IPHH, mail) |      |
| Literacy problems (mail) or sound quality (phone, mail, mail_U)                               |      |
| Location/Activity not allowing interview (phone)  |      |
| Miscellaneous (phone, IPHH, mail, mail_U)   | 17   |
|   |      |
|   |      |
| <b>Unknown eligibility, non-interview (Category 3)</b>  |      |
| Unknown if housing unit/unknown about address (phone, IPHH, mail, web, mail_U)                |      |
| Not attempted or worked/not mailed/No invitation sent (phone, IPHH, mail, web, mail)U)        |      |
| Always busy (phone)   | 71   |
| No answer (phone)   | 664  |
| Answering machine-don't know if household (phone)   | 7    |
| Call blocking (phone)   | 2045 |
| Technical phone problems (phone)  |      |
| Unclear if HH (phone)   |      |
|   |      |
| Housing unit, unknown if eligible respondent (phone, IPHH, mail, mail_U)                      |      |
| No screener completed (phone, IPHH, mail, mail_U)   |      |
|   |      |
| Unknown if person is a HH resident/ mail returned undelivered (phone, mail, web, mail_U)      |      |
|   |      |
| Other (phone, IPHH, web)  |      |
|   |      |
| <b>Not eligible (Category 4)</b>  |      |
| Out of sample - other strata than originally coded (phone, IPHH, mail, web, mail_U)           | 1    |
|   |      |
| Fax/data line (phone)   |      |

|  |              |
|--|--------------|
| Non-working/disconnect (phone)   |              |
| Non-working number (phone)   | 1994         |
| Disconnected number (phone)  |              |
| Temporarily out of service (phone)   |              |
| Special technological circumstances (phone)  |              |
| Number changed (phone)   |              |
| Call forwarding (phone)  |              |
| Residence to residence (phone)   |              |
| Non-residence to residence (phone)   |              |
| Pager (phone)  |              |
| Cell phone (phone)   |              |
| Landline phone (phone)   |              |
| Nonresidence (phone, IPHH)   |              |
| Business, government office, other organizations (phone, IPHH)   | 15           |
| Institution (phone, IPHH)  |              |
| Group quarters (phone, IPHH)   |              |
| Person not HH resident (phone)   |              |
| No eligible respondent (phone, IPHH, mail, mail_U)   | 52           |
| Quota filled (phone, IPHH, mail, mail_U)   | 1            |
| Not eligible - duplicate listing (phone, IPHH, mail, web, mail_U)  |              |
| Other  | 9            |
| <b>Total sample used</b>   | <b>10189</b> |
| I=Complete Interviews (1.1)  | 2026         |
| P=Partial Interviews (1.2)   | 176          |
| R=Refusal and break off (2.1)  | 2890         |
| NC=Non Contact (2.2)   | 0            |
| O=Other (2.0, 2.3)   | 238          |
| Calculating e:<br>e is the estimated proportion of cases of unknown eligibility that are eligible. Enter a different value or accept the estimate in this line as a default. This estimate is based on the proportion of eligible units among all units in the sample for which a definitive determination of status was obtained (a conservative estimate). This will be used if you do not enter a different estimate. For guidance about how to compute other estimates of e, see AAPOR's 2009 <i>Eligibility Estimates</i> . | 0.720        |
| UH=Unknown Household (3.1)   | 2787         |
| UO=Unknown other (3.2-3.9)   | 0            |
| <b>Response Rate 1</b>   |              |

|   |       |
|---|-------|
| $I / (I+P) + (R+NC+O) + (UH+UO)$        | 0.250 |
| <b>Response Rate 2</b>                  |       |
| $(I+P) / (I+P) + (R+NC+O) + (UH+UO)$    | 0.271 |
| <b>Response Rate 3</b>                  |       |
| $I / ((I+P) + (R+NC+O) + e(UH+UO))$     | 0.276 |
| <b>Response Rate 4</b>                  |       |
| $(I+P) / ((I+P) + (R+NC+O) + e(UH+UO))$ | 0.300 |
| <b>Cooperation Rate 1</b>               |       |
| $I / (I+P+R+O)$                         | 0.380 |
| <b>Cooperation Rate 2</b>               |       |
| $(I+P) / ((I+P)+R+O)$                   | 0.413 |
| <b>Cooperation Rate 3</b>               |       |
| $I / ((I+P)+R)$                         | 0.398 |
| <b>Cooperation Rate 4</b>               |       |
| $(I+P) / ((I+P)+R)$                     | 0.432 |
| <b>Refusal Rate 1</b>                   |       |
| $R / ((I+P)+(R+NC+O) + UH + UO)$        | 0.356 |
| <b>Refusal Rate 2</b>                   |       |
| $R / ((I+P)+(R+NC+O) + e(UH + UO))$     | 0.394 |
| <b>Refusal Rate 3</b>                   |       |
| $R / ((I+P)+(R+NC+O))$                  | 0.542 |
| <b>Contact Rate 1</b>                   |       |
| $(I+P)+R+O / (I+P)+R+O+NC+ (UH + UO)$   | 0.657 |
| <b>Contact Rate 2</b>                   |       |
| $(I+P)+R+O / (I+P)+R+O+NC + e(UH+UO)$   | 0.726 |
| <b>Contact Rate 3</b>                   |       |
| $(I+P)+R+O / (I+P)+R+O+NC$              | 1.000 |