

# Solomon Islands - High Frequency Phone Survey on COVID-19 2021, Round 3

**World Bank**

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## Identification

### SURVEY ID NUMBER

SLB\_2021\_HFPS-W3\_v01\_ES\_M\_v01\_A\_OCS

### TITLE

High Frequency Phone Survey on COVID-19 2021, Round 3

### COUNTRY

| Name            | Country code |
|-----------------|--------------|
| Solomon Islands | SLB          |

### STUDY TYPE

Socio-Economic/Monitoring Survey [hh/sems]

### SERIES INFORMATION

The World Bank is providing support to countries to help mitigate the spread and impact of the new corona-virus disease (COVID-19). One area of support is for data collection to inform evidence-based policies that may help mitigate the effects of this disease.

To monitor the socio-economic impacts of COVID-19 in Solomon Islands, five rounds of High Frequency Phone Survey on COVID-19 (HFPS) are planned. The documented dataset refers to the third round of the HFPS of Solomon Islands.

### ABSTRACT

A strong evidence base is needed to understand the socioeconomic implications of the coronavirus pandemic for the Solomon Islands. High Frequency Phone Surveys (HFPS) are set up to understand these implications over the years. This data is the third of the five planned rounds of mobile surveys.

Two rounds of the HFPS are already completed in June 2020 (Round 1) and Dec 2020-Jan 2021 (Round 2). Round 3 interviewed 2,503 households across the country between 29th June 2021 and 11th Aug 2021, on topics including Vaccines of COVID-19, Employment & Income, Food security, Coping strategies, Health, and Public trust and security. Telephone interviews were conducted through a Solomon Islands call center set up by Tebbutt Research.

### KIND OF DATA

Sample survey data [ssd]

### UNIT OF ANALYSIS

households, individuals

## Scope

### NOTES

-HOUSEHOLD: Interview information; Basic information; Vaccines of COVID-19; Employment & ESP; Income; Coping strategies; Access food and food security; Health; Public trust and security; Assets and well-being.

-INDIVIDUAL: Basic information and employment information.

### TOPICS

| Topic                               |
|-------------------------------------|
| pacific-skills, education, training |
| pacific-skills, employment          |

### KEYWORDS

| Keyword    |
|------------|
| COVID-19   |
| Employment |
| Income     |

|             |
|-------------|
| Subsistence |
| Education   |
| Health      |
| Assets      |

## Coverage

### GEOGRAPHIC COVERAGE

Urban and rural areas of Solomon Islands.

### UNIVERSE

Respondents must be at least 18 years of age to participate the survey.

## Producers and sponsors

### PRIMARY INVESTIGATORS

| Name       | Affiliation      |
|------------|------------------|
| World Bank | World Bank Group |

### FUNDING AGENCY/SPONSOR

| Name   | Role    |
|--|---------|
| The World Bank   | Funding |
| Korea Trust Fund for Economic and Peace-Building Transitions | Funding |

## Sampling

### SAMPLING PROCEDURE

As the objective of the survey was to measure changes as the pandemic progresses, Round Three data collection sought to re-contact all 2,882 households contacted in Round Two. The protocols for re-contact were a maximum of 3 attempts per caller shift, spaced between 1.5 and 2.5 hours apart depending on whether the phone was busy or there was no answer, and 15 attempts in total. Of the Round Two households, 1,182 were successfully re-contacted.

Honiara was over-represented in the sample (accounting for 36.9 percent of the sample). Compensating factors for these differences were developed and included in the re-weighting calculations. Due to the limited sample sizes outside of Honiara, most results are disaggregated into only three geographic regions: Honiara, other urban areas, and rural areas.

To reach the target sample size of at least 2500 households, 980 new replacement households were added to the World Bank survey. The final sample of completed interviews was 2,503. The employment questions were asked for both the respondent and the household head by proxy (if different from the respondent), yielding a total sample size for the individual-level employment analysis of 3,188.

Further information regarding weighting can be found in the HFPS Round One and HFPS Round Two reports, which followed the same weighting methodology. Because of considerable attrition between rounds, most statistics showing changes through time reflect data from repeated cross sections rather than panels.

### RESPONSE RATE

Response rate for returning households: 41.01%.

### WEIGHTING

The sampling weights were developed for round three of the Solomon Islands high frequency phone survey in a series of steps. As the main shortcoming of using random digit dialing is that the resulting data is representative of the population of mobile phone owners, and according to the most recent data (from International Telecommunication Union, World

Telecommunication/ICT Development Report and data base (2018)) available for mobile phone penetration estimates usage as 74 percent of the population, coverage is concentrated in population centers, and better off households and individuals are more likely to have a mobile phone which is charged and turned on. Therefore, the pool of respondents is very different from a representative sample of the Solomon Islands population.

Auxiliary data to serve as inputs to the weights is severely limited as there are few recent nationally representative sources. The results from the recently completed census are not yet available and the last Household Income and Expenditure Survey (HIES) was from 2012/2013. The most recent nationally representative dataset including a measure of welfare was the Solomon Islands Demographic and Health Survey 2015 (DHS).

Weights are required for unbiased estimation. because the survey was administered by mobile phones, the respondents were a representative sample of mobile phone holders, not the population overall, and non-random non-response can exacerbate these differences. Previous literature has shown that mobile phone holders are more likely to be male, urban, wealthier, and more highly educated. To make inferences at the level of the population instead of mobile phone holders, it was necessary to reweight the survey data.

Definitionally, the DHS deciles each contain 10 percent of the sample. Using the maximum and minimum threshold values for the DHS deciles to map the mobile phone survey results, it is clear there is a strong bias toward the upper deciles (wealthier) households in the distribution. While weighting can adjust for the bias, there are only 14 and 14 observations in the bottom two deciles of the distribution, respectively. These sample sizes are too small to yield estimates of adequate precision to report results.

Therefore, direct analysis is limited to the bottom four deciles (bottom 40 percent), and then the middle two deciles (middle quintile) and top four deciles (top 40 percent). In addition, each statistic is reported with its confidence interval and all econometric findings are statistically significant, unless otherwise stated.

The "weight" variable in the household dataset is called "weight\_hh" and represents household cross-sectional weights, whereas the "weight" variable in the individual data set is called as "weight\_ind" and represents individual cross-sectional weights.

## Data Collection

### DATES OF DATA COLLECTION

| Start      | End        |
|------------|------------|
| 2021-06-29 | 2021-08-11 |

### DATA COLLECTION MODE

Computer Assisted Telephone Interview [cati]

## Data Processing

### DATA EDITING

At the end of data collection, the dataset was cleaned by the World Bank team. This included formatting, and correcting results based on monitoring issues, enumerator feedback and survey changes. Data was edited using STATA.

The data is presented in two data sets: household data set and individual data set. The total number of observations in the household data set is 2,503 and 3,188 in the individual data set. The individual data set mentions the employment information for all the household members, whereas the household data set contains information about vaccines of COVID-19, food access and food security, coping strategies, health, public trust and security, and assets.

## Access policy

### CONTACTS

| Name       | Affiliation      | URL                  |
|------------|------------------|----------------------|
| World Bank | World Bank Group | <a href="#">Link</a> |

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The users shall not take any action with the purpose of identifying any individual entity (i.e. person, household, enterprise, etc.) in the micro dataset(s). If such a disclosure is made inadvertently, no use will be made of the information, and it will be reported immediately to FAO

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**CITATION REQUIREMENTS**

"Solomon Islands, High Frequency Phone Survey on COVID-19 2021 round 3 (HFPS 2021-W3), Version 01 of the licensed dataset (July 2022), provided by the Pacific Data Hub - Microdata Library. <https://microdata.pacificdata.org/index.php/home>"

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**DISCLAIMER**

The user of the data acknowledges that the original collector of the data, the authorized distributor of the data, and the relevant funding agency bear no responsibility for use of the data or for interpretations or inferences based upon such uses

## Metadata production

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**DDI DOCUMENT ID**

DDI\_SLB\_2021\_HFPS-W3\_v01\_ES\_M\_v01\_A\_OCS

**PRODUCERS**

| Name                                | Abbreviation | Affiliation                       | Role                     |
|-------------------------------------|--------------|-----------------------------------|--------------------------|
| Statistics for Development Division | SDD          | Pacific Community                 | Metadata producer        |
| Office of Chief Statistician        | OCS          | Food and Agriculture Organization | Metadata adapted for FAM |

## Data Description

| Data file  | Cases | Variables |
|--|-------|-----------|
| <b>WBG_SLB_2021_HFPS-W3_Household_v01_PUF</b><br>This file is the "Household" dataset of the third round of the 2020 High Frequency Phone Survey on COVID-19 of Solomon Islands.<br>It contains information collected using all topics of the questionnaire.<br><br>The unit of analysis is the household.   | 2503  | 236       |
| <b>WBG_SLB_2021_HFPS-W3_Person_v01_PUF</b><br>This file is the "Person" dataset of the second round of the 2020 High Frequency Phone Survey on COVID-19 of Solomon Islands.<br>It contains information collected using the below topic of the questionnaire:<br>-Basic information<br>-Employment.<br><br>This dataset is a reshaped version of the "household" dataset where the information is the same but it is reshaped so that individual analysis can be done.<br><br>The unit of analysis is the individual. | 3188  | 35        |