Inter-American Development Bank

Barbados COVID-19 Survey - Round 1

Methodology Report

Sistemas Integrales[1]
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Contents

1. INTRODUCTION

The Barbados COVID-19 Survey is a project of the Inter-American Development Bank (IDB). It collected data on critical socioeconomic topics in the context of the COVID-19 pandemic to support policymaking that can help curb the crisis impacts on the population's welfare.

It recontacted households that had been interviewed by the Barbados Survey of Living Conditions (BSLC) in 2016 and was phone-based, given the mobility restrictions and social distancing measures in place. It interviewed 896 households and all their members over 29 days during May and June 2020 and gathered information on disease transmission, household finances, labor, income, remittances, spending and social protection programs.

The Barbados COVID-19 Survey was designed and implemented by Sistemas Integrales. This report describes the main methodological aspects of the survey, such as sample design, estimation procedures, topics covered by the questionnaire, field organization and quality control. It also presents the structure and contents of the resulting datasets.

2. SAMPLE DESIGN

Barbados COVID-19 Survey targeted the households that responded the BSLC 2016 Survey. Therefore, it is based on a two-stage stratified national probability sample, with the same strata and primary sampling units (PSUs) as the BSLC. See Annex 1 for further reference on the BSLC 2016 sample design.

Figure 1

| **BSLC 2016 interviewed households**	**COVID-19 Survey interviewed households**
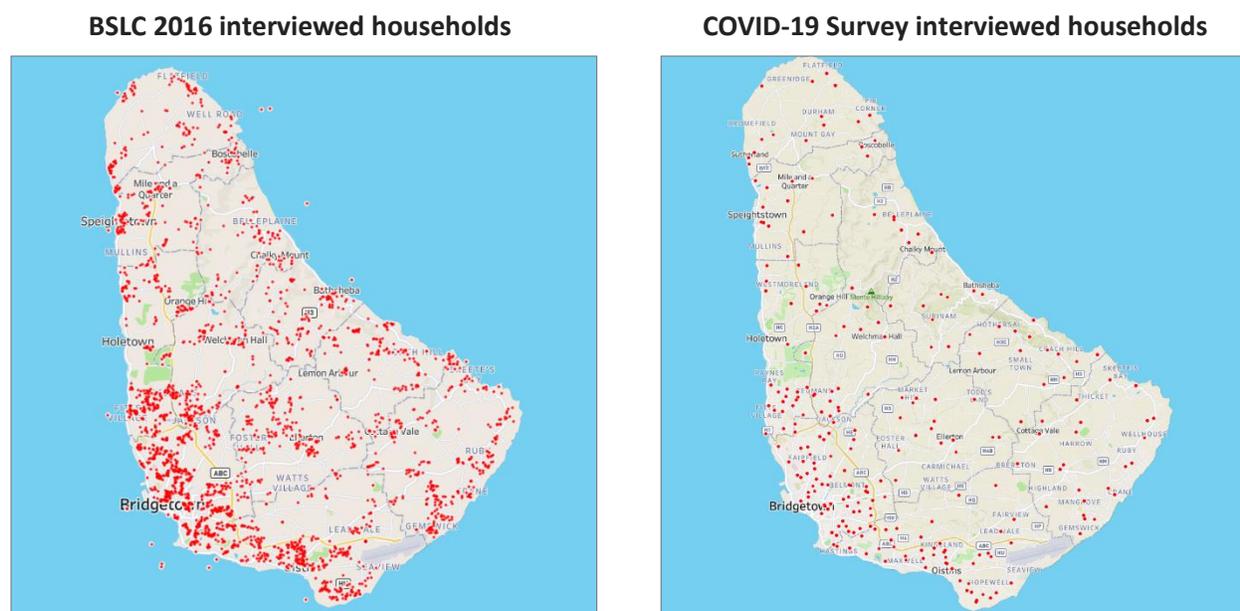
Figure 1 displays the households interviewed by the BSLC in 2016 and by the COVID-19 Survey four years later. Given that phone numbers were not collected for all the households interviewed by the BSLC in 2016, that some numbers were collected but were no longer active in 2020, and given the typical nonresponse levels in phone-based surveys, the COVID-19 Survey was able to interview 896 households in 2020 and gathered information about all the persons in them.

3. OUTCOME RATES

The BSLC 2016 interviewed 2,508 households (Table 2) and was able to collect at least one phone number for 2,091 (83.4%). Out of these households, 1,627 households (77.8%) had at least a number that was working at the time of the COVID-19 Survey (Table 3).

The overall response rate was 51.8%, which is in line with the typical response levels in phone-based surveys, plus the fact that households were recontacted four years after the first interview. The lowest response rate by stratum is 33.9% (stratum 8, St. Joseph parish) and the highest 60.5% (stratum 11, St. Lucy parish).

Following the usual pattern in phone-based surveys, no-contacts (34.5% no-contact rate) drive nonresponse, with much higher levels than refusals (10.4% overall refusal rate).

Table 1. Barbados COVID-19 Survey. Sample counts of households with an available phone number, with a working number and household outcomes, by stratum.

Stratum	Domain	BSLC respondent households	HHs with available number/s	Households with working numbers	Households with nonworking numbers	Complete interviews	Partially complete interviews	Refusals	No-contacts
		BSLC	AV	W	NW	C	P	R	NC
1	1	580	470	338	132	181	13	38	106
2	1	446	381	286	95	152	10	31	93
3	1	279	233	185	48	105	4	12	64
4	2	180	147	120	27	47	0	8	65
5	1	239	211	172	39	88	7	24	53
6	2	180	154	122	32	64	2	19	37
7	1	141	120	96	24	49	3	10	34
8	1	107	74	62	12	21	4	13	24
9	2	96	76	63	13	33	2	3	25
10	2	142	128	102	26	53	3	4	42
11	1	118	97	81	16	49	6	7	19
Total		**2,508**	**2,091**	**1,627**	**464**	**842**	**54**	**169**	**562**

Table 2. Outcome rates by stratum.

Stratum	Domain	Rate of HHs with available phone number	Rate of HHs with working phone number	Response rate	Coopertation rate	Refusal rate	No-contact rate
		AV/BSLC	W/AV	C/W	C/(C+P+R)	R/(C+P+R+NC)	NC/(C+P+R+NC)
1	1	81.0%	71.9%	53.6%	78.0%	11.2%	31.4%
2	1	85.4%	75.1%	53.1%	78.8%	10.8%	32.5%
3	1	83.5%	79.4%	56.8%	86.8%	6.5%	34.6%
4	2	81.7%	81.6%	39.2%	85.5%	6.7%	54.2%
5	1	88.3%	81.5%	51.2%	73.9%	14.0%	30.8%
6	2	85.6%	79.2%	52.5%	75.3%	15.6%	30.3%
7	1	85.1%	80.0%	51.0%	79.0%	10.4%	35.4%
8	1	69.2%	83.8%	33.9%	55.3%	21.0%	38.7%
9	2	79.2%	82.9%	52.4%	86.8%	4.8%	39.7%
10	2	90.1%	79.7%	52.0%	88.3%	3.9%	41.2%
11	1	82.2%	83.5%	60.5%	79.0%	8.6%	23.5%
Total		**83.4%**	**77.8%**	**51.8%**	**79.1%**	**10.4%**	**34.5%**

4. ESTIMATION AND SAMPLING ERRORS

The weights of the Barbados COVID-19 Survey are based on the nonresponse adjusted unpoststratified weights of the BSLC 2016. Once the COVID-19 Survey fieldwork was finalized, those weights were adjusted for the COVID-19 Survey nonresponse and calibrated.

First, a propensity score matching method was used to adjust the COVID-19 Survey weights for nonresponse. The response propensities were predicted using a random forest algorithm based on 22 variables collected by the BSLC 2016 (see Annex 2 for further details on the nonresponse weight adjustment). Second, household weights were calibrated to 2020 estimated household totals per stratum and individual weights were poststratified to 2020 national population projections by sex and age.[2]

When estimating sampling errors (expressed in the sampling variances, standard errors, coefficients of variation and confidence intervals) for statistics such as means, proportions and ratios as well as linear and non-linear regression parameters, all COVID-19 Survey sample design features (stratification, clustering and weighting) need to be accounted for. If the complex sample design is not accounted for, standard statistical software will treat the sample as a simple random sample, which would result in biased estimates and unrealistically low sampling variances. Hence, standard errors would be understated, confidence intervals would be narrower than expected and test statistics would be biased.

The two most usual approaches to estimating sampling errors for complex sample data are through 1) the Taylor Series Linearization (TSL) of the estimator and the corresponding approximation to its variance, or through 2) the use of resampling variance estimation techniques such as balanced repeated replication (BRR), jackknife repeated replication (JRR) and bootstrap. Stata and other statistical software packages use the TSL method as the default for estimating sampling errors for complex sample data. Annex 3 indicates the Stata syntax that should be used when analyzing the COVID-19 Survey data to account for its sample design features and weighting.

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[2] The poststratification of the individual weights used the 2020 national population projections by sex and age developed by the US Census Bureau and published at
https://www.census.gov/data-tools/demo/idb/region.php?T=10&RT=0&A=both&Y=2020&C=BB&R=0

5. SURVEY TOOLS

The Barbados COVID-19 Survey was implemented by phone since it was conducted amid the COVID-19 pandemic, when mobility restrictions were in force. The electronic questionnaire was programmed under the Survey Solutions software platform and had an average duration of 26 minutes.

The objective of the survey was to collect data on key socioeconomic topics in the context of the COVID-19 pandemic to support the design of policy interventions that may alleviate the impacts of the crisis. It gathered information on disease transmission, household finances, labor, income, remittances, spending and social protection programs.

Questionnaire structure

The questionnaire is divided into eight sections:

S1: Household
S2: Transmission
S5: Finances
S6: Regular payments
S7: Labor
S8: Household businesses
S9: Income
S10: Financial Support
S11: income loss

The full questionnaire is reproduced in Annex 4.

Data files

The data are organized in seven files:

- household
- spreading
- paymethods
- business
- bsimpact
- members
- labaffect

Annex 5 includes the data codebook containing the description of all variables in the datasets.

Public use database - Anonymization

Each of the data files has two versions: a "Restricted" version that contains all the variables included in the questionnaire and a "Public version" from which identifiers, such as names and phone numbers, have been excluded to guarantee statistical confidentiality. Both versions include weights and the sample design variables required for analysis.

6. FIELDWORK ORGANIZATION

The survey was implemented over 29 days with an operations team formed by one manager, twenty interviewers and three supervisors and recording auditors. All interviewers worked from home, given the mobility restrictions. The sample administration, the assignment of workloads to interviewers and the progress tracking were done using an online system developed in-house.

7. QUALITY CONTROL

All the data collected was subject to a quality control process built on three linked stages. These are intra-questionnaire checks, audio recording supervision and back-calls.

1. Intra-questionnaire checks

The interviews were done using an electronic questionnaire with a set of built-in checks to alert the interviewer of possible errors while entering responses. The questionnaire software application ran mainly three types of control checks: range checks, consistency checks, and identification of missing values and "Don't knows". If the interviewer overrode any of the alerts during the interview, he/she should add a comment explaining the reason. Once the interview data was uploaded, the application would inform the supervisor about each error remaining in the data and the supervisor should examine each case by reading the interviewer's comments, or rejecting the completed questionnaire and asking the interviewer for clarification.

- *Range checks* intend to ensure that every variable in the survey contains only data within a limited domain of valid values. Numeric variables are verified to lie within a set minimum and maximum value. If the error is merely typographical, the interviewer can fix it immediately. However, the application allows to enter an out-of-range value if it correctly reflects what is answered by the respondent and is not due to a typographical error. In that case, the application generates a report for the supervisor once the data is uploaded so he/she can verify it.

- *Consistency checks* verify that the answer recorded in one question is consistent with the answers to other questions.

- *Missing values and Don't knows.* The application identifies whenever a question that should have been answered was not, and whenever a "Don't know" is recorded as an answer. In these cases, the interviewer must write a comment in the application explaining the reason for such an answer. Each missing value and "Don't know" is reported to the supervisor when the data is uploaded, and the supervisor must examine it based on the interviewer's comments or contact the interviewer if need be.

2. Audio recording supervision

A 15% random subsample of the interviews was fully recorded. Two trained auditors were in charge of supervising the recordings on a daily basis. They registered the issues they detected, if any, and gave their feedback to the interviewers immediately so the identified problems would not repeat themselves in future interviews. The overseen items included whether the interviewer read questions verbatim; if the interviewer probed when necessary to avoid missing values and "Don't knows"; whether the

interviewer entered the respondent's answer accurately and did not select convenient answers to make the questionnaire shorter; the rapport the interviewer established with the respondent, etc.

3. Back-calls

Doing back-calls is an essential duty of the supervisors. It consists in verifying that interviewers actually called the households assigned to them, that interviews were applied to the adequate respondents and that cases recorded as refusals refused definitely or might be converted. Respondents to be recontacted were selected at random among all interviewers, with a focus on some interviewers with a questionable performance based on the monitoring of quality indicators.

Finally, the four annexes that follow present the sample design of the BSLC 2016, a guide to the computation of estimates and sampling errors, the survey questionnaire, and the codebook with the structure and contents of the datasets.

ANNEX 1

BSLC 2016 Sample Design

The following pages reproduce the description of the BSLC sample design included in the BSLC 2016 Methodological Report.

The BSLC target population includes all persons who reside in households and, following the conventional practice for population surveys, it excludes institutionalized persons (prisons, nursing homes, long-term or dependent care facilities). According to the 2010 Population and Housing Census, Barbados had a household population of 225,000 persons living in 78,600 households.

Figure 1: BSLC strata (Barbados parishes)
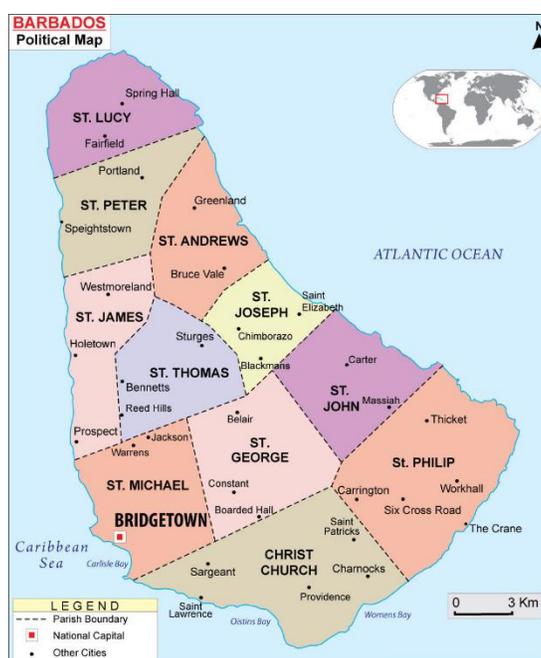
The BSLC 2016 is based on a stratified two-stage area probability sample which spreads over 12 consecutive months and includes 2,508 households distributed across 11 strata corresponding to the 11 parishes.

The first-stage sample is formed by 288 Primary Sampling Units (PSUs) which are Census Enumeration Districts (EDs). The sample was initially allocated into the 11 strata according to Kish's rule[3], and later

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[3] Kish's rule allocates the sample in proportion to the factors $[W_h^{-2} + H^{-2}]^{0.5}$, where H is the number of strata (11 in this case) and W_h ($1 \leq h \leq H$) is the fraction of households in stratum h. It is generally considered a good compromise between a proportional allocation (which would deliver nearly optimal estimates for the country as a whole) and an equal allocation (which would deliver estimates of comparable quality in each of the strata). However, it is important to highlight that the BSLC sample size and design do not permit to obtain precise estimates at the stratum/parish level.

slightly adjusted to align with the analytic domains used by previous surveys in Barbados. Using the 2010 Census as a sample frame, PSUs were then systematically selected within each stratum with probability proportional to their size, using the number of households reported by the Census as measure of size.[4]

The Secondary Sampling units (SSUs) are the households located in each of the PSUs selected in the first stage. All the households in every selected PSU were listed on the fortnight immediately prior to the interviews, and those engaged in farming activities were flagged. Ten households were thereafter drawn systematically with equal probabilities, with a stratification into farmers and non-farmers[5].

Since one of the main objectives of the survey is to measure the consumption and expenditure patterns of the Barbados population, the sample was evenly distributed along a twelve-month period, from February 2016 through January 2017. The overall yearly sample was allocated into 12 monthly replicates, which means that the overall sample is achieved through the aggregation of 12 smaller samples that spread across the entire country and that are nationally representative by themselves. Thus, the BSLC will capture consumption, expenditure and income seasonality, achieving not only spatial but also time representativeness.

Base weights were computed in order to account for the unequal inclusion probabilities and were later adjusted for nonresponse[6] to generate the final weights included in the BSLC data sets. In order to estimate the response propensity used in the nonresponse adjustment, groups of 3 EDs were constructed on the basis of their spatial contiguity, according to the GPS coordinates collected for the interviewed households.

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[4] The 45 EDs that the BSS was regularly surveying in the Barbados Labor Force Survey were excluded from the frame.

[5] Farmer households were oversampled: up to two of the 10 households in each PSU were selected from among the farmers, and the rest from among the non-farmers. This was done in response to the special interest of the government on farming, since farmers are a minority in Barbados and a non-stratified sample would have contained too few of them.

[6] Total nonresponse rate was 20.7%, which is lower than the average for similar surveys of living conditions and household budget in Latin America and the Caribbean.

ANNEX 2

Nonresponse Weight Adjustment Methodology

A propensity score matching method was used to adjust the COVID-19 Survey weights for nonresponse. We used 22 variables collected in the BSLC 2016 to predict the 2020 response propensity for all the 2,508 cases interviewed by the BSLC 2016. These variables included total household income, per capita household consumption, poverty status, status in the labor force of the household head, education level of the household head, housing unit characteristics, etc.

Among the 22 predictors, 2 of them were complete, 19 had an item missing rate lower than 6% and 1 of them have an item missing rate of 16.6%. We imputed the variables with missing values singlely using the predictive mean matching method.

For the 2020 response result, the 896 complete or partial household interviewed were coded as 1. The 1,068 nonresponse cases, the 417 households with no phone number available from 2016, and the 127 cases that were either "deceased" or "nonworking" were coded as 0.

We used a random forest algorithm to predict the response propensities. The random forest algorithm constructed 500 uncorrelated classification trees to fit the data using the 22 imputed variables as predictors and the 0/1 response result as the outcome variable. We then used the constructed model to predict the class response probabilities for each observation as the mean predicted class probabilities of the 500 trees in the forest.

We took the inverse of these predicted response probabilities of the 896 respondent cases as their individual nonresponse adjustment factors. In order to reduce the variation in the nonresponse adjustment factors (which would inflate the variance of the ultimate sample estimates), we grouped the individual nonresponse adjustment factors in deciles and combined the 3 highest deciles to form 8 final groups. We then replaced the individual nonresponse adjustment factors by the median of their corresponding group.

Finally, we calculated the 2020 nonresponse adjusted weights for the 896 respondent households by multiplying the 2016 nonresponse adjusted weights by the 2020 nonresponse adjustment factors.

ANNEX 3

Stata Syntax for Weighted Estimates and Sampling Error Computation

This annex provides a set of specific examples on the STATA syntax for computing survey estimates and their sampling errors while accounting for all complex sample features (stratification, clustering and weighting due to differential inclusion probabilities and nonresponse adjustments). For more details, data users are referred to the online STATA manual for the svy command (*http://www.stata.com/manuals15/svy.pdf*).

To specify the sample design features in any of the survey datasets, use command:

```
svyset psu [pweight=w_ind], strata (stratum)
*Use weight w_ind for individual-level estimates
*Use weight w_hh for household-level estimates
*Use weight w_hh for business-level estimates
```

To estimate the overall mean age of household members, *in dataset members_public.dta use command*:

```
svy: mean memage
estat cv
```

To estimate the overall mean age by gender, use command:

```
svy: mean memage, over(sex)
estat cv
```

To estimate the mean January total household income of households that did not receive any benefit from the government in January, in dataset household_public.dta use command:

```
svy, subpop (if bnfjan==2): mean incjan
estat cv
```

To estimate the frequency distribution of households by type of dwelling ownership, use:

```
svy: tab dwlsta, se ci cv
```

To estimate the frequency distribution of reception of new benefits from the government by loss of main household income since January, in dataset household_public.dta use command:

```
svy: tab bnfnwr lstinc, col se ci cv
```

To estimate the frequency distribution of capability of paying the rent by households who rent the dwelling privately, use command:

```
svy, subpop (if dwlsta==4): tab rntafo, se ci cv
```

To estimate the regression coefficients of a continuous variable y on two continuous variables x_1 and x_2 using sampling weights, use command:

```
svy: regress  y  x1  x2
```

To estimate the regression coefficients of a continuous variable y on two continuous variables x_1 and x_2 and two categorical variables x_3 and x_4 using sampling weights, use command:

```
xi: svy: regress  y  x1  x2  i.x3  i.x4
```

To estimate the Gini coefficient of variable y, install the `svylorenz` Stata command and use syntax:

```
svylorenz y, ngp(5)
```

Annex 4
Barbados COVID-19 Survey Questionnaire

S0. SCREENING

HOUSEHOLD ID_____

NAMES_____

PROVIDER_____

Hi, my name is ___, I am calling regarding a survey being conducted by the IDB to understand how Barbados has been affected by the Coronavirus pandemic. We are calling households that were interviewed in 2016 for the Barbados Survey on Living Conditions. We would like you to participate in this study. It will take around 20 minutes and at the end of the survey we will raffle shopping vouchers from Massy Stores, worth $100 USD among the participants. For more information you can email survey19@iadb.org.

Do you agree to participate in the survey?

      01   CONSENT → GO TO S1Q1

      02   REFUSED → ASK FOR OTHER HH MEMBER. IF REFUSAL PERSIST, FINISH

S1. HOUSEHOLD

S1Q1. Can you please confirm your name and surname?

      01   YES → GO TO QA

      02   NO → MAKE SURE THEY ARE A HOUSEHOLD MEMBER AND GO TO QA IF APPROPIATE

Thank you. Your participation is voluntary and your answers will be kept confidential. This call will be recorded only for quality control purposes.

Q.A. Are you at least 18 years old?

      01   YES → GO TO S1Q1

      02   NO → GO TO QB

Q.B. Is there any other person in the household of at least 18 years old that could talk with us?

      01   YES → ASK TO SPEAK WITH OTHER PERSON AND START AGAIN

      02   NO → END

Is there any other time that I could call again to talk with a household member of at least 18 years old?

      01   YES → CALL AGAIN LATER

      02   NO → END

I would like to start by checking if the persons we recorded during our last visit currently are members of this household, that is currently sleep under the same roof and share a common budget.

S1. HOUSEHOLD

2016 household member id_____

2016 member name q1_01c q1_01b_____

2016 date of birth_____

2016 gender
      01   Male
      02   Female

S1Q1. Is (MEMBER) currently a member of your household?
      01   YES
      02   NO

S1Q3. Is there any other person who is a household member that I have not mentioned so far?
      01   YES → list new members and GO TO S1Q5 _____
      02   NO

S1Q5. What is (MEMBER) date of birth? _____ (DD/MM/YYYY)

S1Q6. Is (MEMBER)...
      02   female?
      01   male?

S1Q11. Can you please confirm your name? _____

S1Q12. What was the highest level of education you completed?
   01 NO EDUCATION **→ GO TO S2Q2**
   02 PRIMARY **→ GO TO S2Q2**
   03 SECONDARY **→ GO TO S1Q13**
   04 SIXTH FORM / COMMUNITY COLLEGE **→ GO TO S1Q13**
   05 VOCATIONAL TRAINING/ HIGHER EDUCATION **→ GO TO S1Q13**
   06 UNIVERSITY DEGREE (FIRST DEGREE) **→ GO TO S1Q13**
   07 POSTGRADUATE DEGREE (MASTERS OR DOCTORAL) **→ GO TO S1Q13**

S1Q13. Of the following examinations, which one is the highest <u>you</u> have passed?
   01 School leaving certificate
   02 CXC Basic
   03 CXC General / O Level
   04 GCE A Level /CAPE
   06 None

S2. TRANSMISSION

S2Q2. Do you think the COVID-19 virus is spread by …?

	01 - YES	02 - NO
01 touching contaminated objects and then touching one's mouth/nose/eyes?		
02 touching contaminated cardboard and newspapers?		
03 coming into close contact with an infected person?		
04 coming in contact with contaminated food?		
05 drinking water from the tap?		
06 breathing outside air?		

S5. FINANCES

S2Q1. Since the beginning of the 24hr curfew (April 3), has anyone in your household…?

	01 - YES	02 - NO
01 used cash		
02 used a debit or credit card		
05 made an online transfer		
08 used an app, internet or mobile based payment system such as Mmoney, PayPal, SurePay or similar		

S2Q2. And before the curfew, has anyone in your household…?

	01 - YES	02 - NO
01 used cash		
02 used a debit or credit card		
05 made an online transfer		
08 used an app, internet or mobile based payment system such as Mmoney, PayPal, SurePay or similar		

S5Q1. Suppose you had $100 in a savings account and the interest rate was 2% per year. After 5 years, how much do you think you would have in the account if you left the money to grow?
(READ OPTIONS)

      01   More than $102

      02   Exactly $102

      03   Less than $102

      -99   DO NOT KNOW

      -98   REFUSE TO ANSWER

S5Q2. Imagine that the interest rate on your savings account was 1% per year and prices went up by 2% per year. After 1 year, how much would you be able to buy with the money in this account? (READ OPTIONS)

      01   More than today

      02   Exactly the same

      03   Less than today

      -99   DO NOT KNOW

      -98   REFUSE TO ANSWER

S5Q3. Please tell me whether this statement is true or false. "Buying a single company's stock usually provides a safer return than a stock mutual fund." (READ OPTIONS)

      01   True?

      02   False?

      -99   DO NOT KNOW

      -98   REFUSE TO ANSWER

S6. REGULAR PAYMENTS

S6Q1. The house or flat your household mainly lives in, is it... (READ OPTIONS)
    02   Owned without mortgage → **GO TO S6Q8**
    01   Owned with mortgage → **GO TO S6Q5**
    04   Private rented or leased → **GO TO S6Q2**
    05   Gov't rented or leased → **GO TO S6Q2**
    07   Rent-free → **GO TO S6Q8**
    -96   Other (specify) → **GO TO S6Q8**

S6Q2. In January 2020, could your household afford to pay the rent for your house or flat?
    01   YES
    02   NO

S6Q3. Since the beginning of the 24hr curfew (April 3), could your household afford to pay the rent?
    01   YES
    02   NO

S6Q4. Do you think your household can afford to pay the rent next month, in June?
    01   YES → **GO TO S6Q8**
    02   NO → **GO TO S6Q8**
    -99   KK/NA → **GO TO S6Q8**

S6Q5. In January 2020, could your household afford the mortgage repayment for your house or flat?
    01   YES
    02   NO

S6Q6. Since the beginning of the 24hr curfew (April 3), could your household afford the mortgage repayments?
    01   YES
    02   NO

S6Q7. Do you think your household will be able to afford the mortgage repayment next month, in June?
    01   YES
    02   NO
    -99   KK/NA

S6Q8. In January 2020, did anyone in your household have any ongoing personal loan other than mortgages from a formal financial institution, e.g. banks, credit unions, or moneylenders?

    01   YES → **GO TO S6Q9**
    02   NO → **GO TO S7Q0**

S6Q9. In January 2020, could your household afford the regular payment of personal loans?
  01 YES
  02 NO
  03 DID NOT HAVE TO REPAY

S6Q10. Since the beginning of the 24hr curfew (April 3), could your household afford the repayments for the personal loans?
  01 YES **→ GO TO S7Q0**
  02 NO **→ GO TO S7Q0**
  03 REPAYMENTS ARE SUSPENDED **→ GO TO S7Q0**
  04 LOAN HAS BEEN FULLY REPAID **→ GO TO SQ11**

S6Q11. Do you think your household will be able to afford the loan repayments next month, in June?
  01 YES
  02 NO
  -99 DON'T KNOW
  03 REPAYMENTS ARE SUSPENDED
  04 LOAN HAS BEEN FULLY REPAID

S7. LABOUR (ASK ONLY MEMBERS 15 YEARS OF AGE OR OLDER)

S7Q0. Since March 15 2020, did you or any of your household members …

	01 - YES	02 - NO	-98 NOT APPLICABLE
01 lose their job?			
02 take unpaid leave?			
03 have to close their business due to government policy?			
04 have to close their business due to lack of demand/consumers?			
05 have to receive emergency medical assistance?			
06 looked for a job and could not find one?			

S7Q1. During the <u>past 7 days</u>, did (MEMBER) work in a paid job or a business, including a household business, even if only for one hour?
  01 YES → GO TO S7Q5
  02 NO → GO TO S7Q2

S7Q2. During the <u>past 7 days</u>, was (MEMBER) absent from a paid job or a business, including a household business, to which he/ she will return?
  01 YES → GO TO S7Q5
  02 NO → GO TO S7Q3
  -98 DON'T KNOW → GO TO S7Q3

S7Q3. If an opportunity arose, would (MEMBER) be willing and available to work in the next 2 weeks?

       01   YES → GO TO S7Q4

       02   NO → GO TO S7Q5

S7Q4. In the past 30 days, did (MEMBR) look for a job or try to start a business?

       01   YES

       02   NO

S7Q5. Was (MEMBER) working <u>before mid-March</u>?

       01   YES

       02   NO

(ONLY IF S7Q5=1 and S7Q1=2) → "was working before mid-march but did not work in last 7 days"

S7Q6. What was the main reason (MEMBER) stopped working? (DO NOT READ OPTIONS)

       01   BUSINESS / OFFICE TEMPORARY CLOSED

       02   BUSINESS / OFFICE PERMANENTLY CLOSED

       03   LAYED OFF WHILE BUSINESS CONTINUES

       04   UNPAID LEAVE

       05   VACATION

       06   ILL / QUARANTINED

       07   NEED TO CARE FOR ILL RELATIVE

       08   SEASONAL WORKER

       09   RETIRED

       10   NOT ABLE TO GO TO WORK DUE TO MOVEMENT RESTRICTIONS

       11   HEALTH AND SAFETY

      -96   OTHER, SPECIFY

(ONLY IF S7Q1=1 or S7Q2=1 or S7Q5=1) → "worked in last 7 days or was absent from a paid job in last 7 days or was working before mid-march"

S7Q7. In (MEMBER'S) main work, does/did he/she work/ed ...? (READ OPTIONS)

       01   as an employee for a private company or another individual (not household member) → GO TO S7Q8

       02   as an employee for the government → GO TO S7Q10

       07   as an employee for NGOs, intl. organizations, the church, etc → GO TO S7Q10

       03   in their own business (non- farm) → GO TO S7Q8

       04   in a business operated by a household member (non-farm) → GO TO S7Q8

       05   as an apprentice, trainee, intern → GO TO S7Q8

       06   in a family farm, growing crops, raising livestock, or fishing → GO TO S7Q8

S7Q8. What is/was the main activity of the business or organization in which (MEMBER) works/worked in his/ her main job, for example retail, education, transport, etc.?

01	GOVERNMENT
02	AGRICULTURE, FORESTRY & FISHING
03	ACCOMMODATION & FOOD SERVICE ACTIVITIES
04	CONSTRUCTION
05	MINING & QUARRYING
06	WHOLESALE & RETAIL TRADE
07	FINANCE & INSURANCE
08	TRANSPORTATION, STORAGE & COMMUNICATIONS
09	MANUFACTURING INDUSTRY
-96	OTHER (SPECIFY)

S7Q10. Since mid-March, did (MEMBER) filed for unemployment benefits from the National Insurance Scheme?

01	YES
02	NO

S7Q11. In the last 7 days, was (MEMBER) working ...

01	the same hours as before mid- March?
02	reduced hours?
03	or increased hours?

S7Q12. For the days worked during the past 7 days, was (MEMBER) paid or will be paid… READ ALL OPTIONS

01	Full normal payment
02	Partial payment
03	No payment
-99	DON'T KNOW

S8. BUSINESS

(ONLY IF S7Q7 (3,4,6)) → Was working as self-employed, for their own or household business, or in agriculture, livestock raising or fishing. **REST, SKIP TO "S9Q1"**

S8Q1. In January 2020, did anyone from your household run a business or work as self-employed or freelancer?
      01   YES →GO TO S8Q2
      02   NO →GO TO S9Q1

S8Q2. In January 2020, how many different businesses or freelancing activities did members of your household run in total?
_____ (NUMERIC: INTEGER → **IF > "0" , GO TO S8Q3**

S8Q3. How many paid employees or interns does the business have, excluding business partners, unpaid household members, or contractors?
_____ (NUMERIC: INTEGER)
          SPECIAL VALUES
          00 NONE

S8Q4. What was the main activity of the business, for example retail, education, transport, etc?
      01   GOVERNMENT
      02   AGRICULTURE, FORESTRY & FISHING
      03   ACCOMMODATION & FOOD SERVICE ACTIVITIES
      04   CONSTRUCTION
      05   MINING & QUARRYING
      06   WHOLESALE & RETAIL TRADE
      07   FINANCE & INSURANCE
      08   TRANSPORTATION, STORAGE & COMMUNICATIONS
      09   MANUFACTURING INDUSTRY
    -96   OTHER (SPECIFY)

S8Q5. Is this business currently ... (READ OPTIONS)
      01   operating under normal hours?
      02   operating under reduced hours?
      03   temporarily closed?
      04   permanently closed?

(S8Q2>0 and <5) or S8Q3>0) - "Only if 1 to 4 businesses or freelancing activities in total in the household or has at least 1 employee"

S8Q6. Since March 15, did the business have to... (READ OPTIONS)

	01 - YES	02 - NO	-98 - NOT APPLICABLE
01 cancel the purchase of inputs of inventory?			
02 cancel sales?			
03 stop paying a loan?			
04 sell off or give away produce or inventory?			
05 reduce hours of employees?			
06 give employees unpaid leave?			
07 layoff employees?			

S9. INCOME

S9Q1. From January to March 2020, did anyone in the household receive money from relatives, friends or anybody else from abroad, for example cash, bank transfers or through Western Union?

01   YES → GO TO S9Q2

02   NO → GO TO S9Q7

S9Q2. From which country did you receive most of that money?

528: Netherlands, 250: France, 328: Guyana, 124: Canada, 76: Brazil, 4: Afghanistan, 8: Albani a, 10: Antarctica, 12: Algeria, 16: American Samoa, 20: Andorra, 24: Angola, 28: Antigua and Barbuda, 31: Azerbaijan, 32: Argentina, 36: Australia, 40: Austria, 44: Bahamas, 48: Bahrain, 50: Bangladesh, 51: Armenia, 52: Barbados, 56: Belgium, 60: Bermuda, 64: Bhutan, 68: Bolivia (Plurinational State of), 70: Bosnia and Herzegovina, 72: Botswana, 74: Bouvet Island, 84: Belize, 86: British Indian Ocean Territory, 90: Solomon Islands, 92: Virgin Islands (British), 96: Brunei Darussalam, 100: Bulgaria, 104: Myanmar, 108: Burundi, 112: Belarus, 116: Cambodia, 120: Camero on, 132: Cabo Verde, 136: Cayman Islands, 140: Central African Republic, 144: Sri Lanka, 148: Chad, 152: Chile, 156: China, 158: Taiwan, Province of China, 162: Christmas Island, 166: Cocos (Keeling) Islands, 170: Colombia, 174: Comoros, 175: Mayotte, 178: Congo, 180: Congo, Democratic Republic of the, 184: Cook Islands, 188: Costa Rica, 191: Croatia, 192: Cuba, 196: Cyprus, 203: Czechia, 204: Benin, 208: Denmark, 212: Dominica, 214: Dominican Republic, 218: Ecuador, 222: El Salvador, 226: Equatorial Guinea, 231: Ethiopia, 232: Eritrea, 233: Estonia, 234: Faroe Isl ands, 238: Falkland Islands (Malvinas), 239: South Georgia and the South Sandwich Islands, 242: Fiji, 246: Finland, 248: Åland Islands, 254: French Guiana, 258: French Polynesia, 260: French Southern Territories, 262: Djibouti, 266: Gabon, 268: Georgia, 270: Gambia, 275: Palestine, State of, 276: Germany, 288: Ghana, 292: Gibraltar, 296: Kiribati, 300: Greece, 304: Greenland, 308: Grenada, 312: Guadeloupe, 316: Guam, 320: Guatemala, 324: Guinea, 332: Haiti, 334: Heard Island and McDonald Islands, 336: Holy See, 340: Honduras, 344: Hong Kong, 348: Hungary, 352: Iceland, 356: India, 360: Indonesia, 364: Iran (Islamic Republic of), 368: Iraq, 372: Ireland, 376: Israel, 380: Italy, 384: Côte d'Ivoire, 388: Jamaic a, 392: Japan, 398: Kazakhstan, 400: Jordan, 404: Kenya, 408: Korea (Democratic People's Republic of), 410: Korea, Republic of, 414: Kuwait, 417: Kyrgyzstan, 418: Lao People's Democratic Republic, 422: Lebanon, 426: Lesotho, 428: Latvia, 430: Liberia, 434: Libya, 438: Liechtenstein, 440: Lithuania, 442: Luxembourg, 446: Macao, 450: Madagascar, 454: Malawi, 458: Malaysia, 462: Maldives, 466: Mali, 470: Malta, 474: Martinique, 478: Mauritania, 480: Mauritius, 484: Mexico, 492: Monaco, 496: Mongolia, 498: Moldova, Republic of, 499: Montenegro, 500: Montserrat, 504: Morocco, 508: Mozambique, 512: Oman, 516: Namibia, 520: Nauru, 524: Nepal, 531: Curaçao, 533: Aruba, 534: Sint Maarten (Dutch part), 535: Bonaire, Sint Eustatius and Saba, 540: New Caledonia, 548: Vanuatu, 554: New Zealand, 558: Nicaragua, 562: Niger, 566: Nigeria, 570: Niue, 5 74: Norfolk Island, 578: Norway, 580: Northern Mariana Islands, 583: Micronesia

(Federated States of), 584: Marshall Islands, 585: Palau, 586: Pakistan, 591: Panama, 598: Papua New Guinea, 600: Paraguay, 604: Peru, 608: Philippines, 612: Pitcairn, 616: Poland, 620: Portugal, 624: Guin ea-Bissau, 626: Timor-Leste, 630: Puerto Rico, 634: Qatar, 638: Réunion, 642: Romania, 643: Russian Federation, 646: Rwanda, 652: Saint Barthélemy, 654: Saint Helena, Ascension and Tristan da Cunha, 659: Saint Kitts and Nevis, 660: Anguilla, 662: Saint Lucia, 663: Saint Martin (French part), 666: Saint Pierre and Miquelon, 670: Saint Vincent and the Grenadines, 674: San Marino, 678: Sao Tome and Principe, 682: Saudi Arabia, 686: Senegal, 688: Serbia, 690: Seychelles, 694: Sierra Leone, 702: Singapore, 703: Slovakia, 704: Viet Nam, 705: Slovenia, 706: Somalia, 710: South Africa, 716: Zimbabwe, 724: Spain, 728: South Sudan, 729: Sudan, 732: Western Sahara, 740: Suriname, 744: Svalbard and Jan Mayen, 748: Eswatini, 752: Sweden, 756: Switzerland, 760: Syrian Arab Republic, 762: Tajikistan, 764: Thailand, 768: Togo, 772: Tokelau, 776: Tonga, 780: Trinidad and Tobago, 784: United Arab Emirates, 788: Tunisia, 792: Turkey, 795: Turkmenistan, 796: Turks and Caicos Islands, 798: Tuvalu, 800: Uganda, 804: Ukraine, 807: North Macedonia, 818: Egypt, 826: United Kingdom of Great Britain and Northern Ireland (UK), 831: Guernsey, 832: Jersey, 833: Isle of Man, 834: Tanzania, United Republic of, 850: Virgin Islands (U.S.), 854: Burkina Faso, 858: Uruguay, 860: Uzbekistan, 862: Venezuela (Bolivarian Republic of), 876: Wallis and Futuna, 882: Samoa, 887: Yemen, 894: Zambia   → ANY OF THESE GO TO S9Q4

840: United States of America (USA) → GO TO S9Q3

S9Q3. From which state?

1: Alabama, 2: Alaska, 4: Arizona, 5: Arkansas, 6: California, 8: Colorado, 9: Connecticut, 10: Delaware, 11: District of Columbia, 12: Florida, 13: Georgia, 15: Hawaii, 16: Idaho, 17: Illinois, 18: Indiana, 19: Iowa, 20: Kansas, 21: Kentucky, 22: Louisiana, 23: Maine, 24: Maryland, 2 5: Massachusetts, 26: Michigan, 27: Minnesota, 28: Mississippi, 29: Missouri, 30: Montana, 31: Nebraska, 32: Nevada, 33: New Hampshire, 34: New Jersey, 35: New Mexico, 36: New York, 37: North Carolina, 38: North Dakota, 39: Ohio, 40: Oklahoma, 41: Oregon, 42: Pennsylvania, 44: Rh ode Island, 45: South Carolina, 46: South Dakota, 47: Tennessee, 48: Texas, 49: Utah, 50: Vermont, 51: Virginia, 53: Washington, 54: West Virginia, 55: Wisconsin, 56: Wyoming, 60: American Samoa, 66: Guam, 69: Northern Mariana Islands, 72: Puerto Rico, 78: U.S. Virgin Islands

S9Q4. From whom did you receive most of that money?
    01   MARRIED OR COMMON-LAW PARTNER
    02   MOTHER/FATHER OF MY KID(S) (NOT IN A RELATIONSHIP)
    03   MOTHER/FATHER
    04   DAUGHTER/SON
    05   BROTHER/SISTER
    06   AUNT/UNCLE
    07   FRIEND
    -96   OTHER (SPECIFY)

S9Q5. Has this person been economically affected by the Coronavirus pandemic?
    01   YES → GO TO S9Q6
    02   NO → GO TO S9Q7
    -99   DK/ NA → GO TO S9Q7

S9Q6. How has this person been affected by the Coronavirus pandemic? SELECT ALL THAT APPLY AND PROBE "ANYTHING ELSE?"
    01   CONTRACTED THE DISEASE AND PASSED AWAY → GIVE CONDOLENCES AND GO
           TO S9Q7
    02   CONTRACTED THE DISEASE AND LOST WORKDAYS
    03   EMPLOYER REDUCED THE NUMBER OF WORKING HOURS
    04   LOST HER/HIS JOB

05   WAS FORCED TO CLOSE HER/HIS BUSINESS DUE TO GOVERNMENT MANDATED
         POLICIES
06   CLOSED HER/HIS BUSINESS DUE TO DECREASED DEMAND/CONSUMERS
07   BUSINESS THEY WORKED IN WAS (TEMPORARILY) CLOSED DUE TO CORONA
-96   OTHER (SPECIFY)

ASK ALL
S9Q7. Thinking about all the salaries, profits, benefits, help from others, or any other income anyone in your household has received in January 2020, approximately how much was the total household income IN BDD in January 2020? → AMOUNT IN BBD REMIND RESPONDENTS THAT THIS IS IMPORTANT F OR US TO UNDERSTAND THE ECONOMIC IMPACT ON THE PEOPLE OF SURINAME. THE ANSWER WILL NOT BE DISCLOSED TO ANYONE.
WRITE -99 FOR DON'T KNOW → **GO TO S9Q9**
_____ (NUMÉRICO: ENTERO) → **IF <= "0" GO TO S9Q8**

S9Q8. Was any of this income for January 2020 from money received from abroad?

   IF YES -> How much was received from abroad in BDD?

   _____ (NUMERIC)
         SPECIAL VALUES
         00 NO MONEY FROM ABROAD

S9Q9. Thinking about everything anyone in the household has spent money on, how much would you say was the total household spending in BDD in January 2020?
_____ (NUMERIC)
WRITE -99 FOR DON'T KNOW

S9Q10. For April 2020, approximately how much was the total household income in BDD?
_____ (NUMERIC)
WRITE -99 FOR DON'T KNOW. LEAVE 0 IF THEY HAD NO INCOME

(ONLY IF S9Q10 =-99 or <= incjan)
S9Q11. Was any of this income for April 2020 from money received from abroad?

   IF YES -> How much was received from abroad in BDD?

   _____ (NUMERIC)
         SPECIAL VALUES
         00 NO MONEY FROM ABROAD
CANNOT BE LARGER THAN THE TOTAL INCOME

S9Q12. For April 2020, how much was the total <u>household spending</u> in BDD?
   _____ (NUMERIC)
   WRITE -99 FOR DON'T KNOW. LEAVE 0 IF THEY HAD NO INCOME

S9Q13.For May 2020, how much do you think will be your total household income in BBD?
   _____ (NUMERIC)
   WRITE -99 FOR DON'T KNOW. LEAVE 0 IF THEY HAD NO INCOME

S9Q14. Of the total income you expect for May 2020, do you think any will be from money received from abroad?

   IF YES -> How much was received from abroad in BDD?

   _____ (NUMERIC)
    SPECIAL VALUES
    00 NO MONEY FROM ABROAD
  CANNOT BE LARGER THAN THE TOTAL INCOME

S9Q15. For May 2020, how much was the total <u>household spending</u> in BDD?
   _____ (NUMERIC)
   WRITE -99 FOR DON'T KNOW. LEAVE 0 IF THEY HAD NO INCOME

S10. FINANCIAL SUPPORT

ASK ALL
S10Q1. In January 2020, did anyone in your household receive any monetary assistance, support or benefit <u>from the government</u>? → DO NOT CONSIDER PENSIONS FROM PREVIOUS EMPLOYERS
   01 YES → GO TO S10Q2
   02 NO → GO TO S10Q3

S10Q2.From which department/program did theyreceive the benefits, pensions, etc.?
   01 THE WELFARE DEPARTMENT
   02 THE NATIONAL ASSISTANCE BOARD
   03 CHILDCARE BOARD
   04 CONTRIBUTORY PENSION FROM THE NATIONAL INSURANCE SCHEME
   05 NON-CONTRIBUTORY PENSION FROM THE NATIONAL INSURANCE SCHEME
   06 UNEMPLOYMENT BENEFIT FROM THE NATIONAL INSURANCE SCHEME
   07 MATERNITY BENEFIT FROM THE NATIONALINSURANCE SCHEME
   -96 OTHER (SPECIFY)

S10Q3. Since the beginning of the curfew (April 3), has anyone in your household started receiving any monetary assistance, support or benefit from the government?
   01 YES → GO TO S10Q4
   02 NO → GO TO S11Q0A

S10Q4. From which department/program did you start receiving or are receiving an increased amount from?

        01   THE WELFARE DEPARTMENT
        02   THE NATIONAL ASSISTANCE BOARD
        03   CHILDCARE BOARD
        04   CONTRIBUTORY PENSION FROM THE NATIONAL INSURANCE SCHEME
        05   NON-CONTRIBUTORY PENSION FROM THE NATIONAL INSURANCE SCHEME
        06   UNEMPLOYMENT BENEFIT FROM THE NATIONAL INSURANCE SCHEME
        07   MATERNITY BENEFIT FROM THE NATIONALINSURANCE SCHEME
        08   ADOPT A FAMILY PROGRAM
        -96   OTHER (SPECIFY)

S11.LOSE INCOME

Now I am going to ask you some questions on food security. They may sound sensitive, but are really important for us to understand the effects of the pandemic.

S11Q0A. During January 2020, did you or any member of your household go hungry because you did not have enough food and could not afford to buy more?

        01   YES
        02   NO
        -99   PREFER NOT TO SAY

S11Q0B. And during April 2020, did you or any member of your household go hungry because you did not have enough food and could not afford to buy more?

        01   YES
        02   NO
        -99   PREFER NOT TO SAY

S11Q0C. And during May 2020, did you or any member of your household go hungry because you did not have enough food and could not afford to buy more?

        01   YES
        02   NO
        -99   PREFER NOT TO SAY

S11Q1. Since January 2020, has your household lost its main source of income?

        01   YES → GO TO S11Q2
        02   NO → GO TO S11Q4

S11Q2. How many days have passed since your household lost its main source of income?
_____

S11Q3. Have you been able to meet your basic household needs during all these days?

      01   YES → GO TO S11Q4

      02   NO → GO TO S11Q5

S11Q4. How many more days could you continue meeting your basic household needs with the financial resources you currently have? _____ (-01 INDEFINITELY) → GO TO S11Q6

S11Q5. How many of these days have you been unable to meet your basic household needs? _____

(ASK ONLY IF S11Q1 = 2) "HH DID NOT lose main source of income"

S11Q6. Imagine that your household were to lose its main source of income. How many days could you continue meeting your basic needs with the financial resources you currently have?

_____ (-01 INDEFINITELY)

S9. CLOSING QUESTIONS

ASK ALL

S12Q1. We have almost finished the interview. As part of this study, it would be extremely helpful for us to conduct a follow up interview with you by phone or email later during the year. Could you please provide me your email address so we can contact you in the future? Your email address is 100% confidential. It will not be published nor shared with anyone. We will not use it for any purpose other than contacting you.

      01   AGREED → GO TO S12Q2
      02   PREFERS NOT TO SHARE EMAIL → THANK AND FINISH
      03   DOESN'T HAVE EMAIL → THANK AND FINISH

S12Q2. What is your email? → READ EMAIL ADDRESS BACK TO RESPONDENT TO VERIFY

_____

Thank you. We are done with the interview. Thank you very much for taking the time to talk to me today. It has been very helpful. The information we collect with this survey plays an important role in understanding the impact Coronavirus has on the people of Suriname.
In about two weeks time, once the survey is complete, we will raffle 30 shopping vouchers from Choi's supermarket among the participants. We will contact the winners shortly after that via phone.

Have a nice day!

Annex 5

Codebook

This annex presents the contents of the seven files that constitute the database of the Barbados COVID-19 Survey, with the name, label and values for each variable.

Column "Values" contain the encoding used for categorical variables, or a reference to the special codes. For numerical variables, the column contains the range of valid values. The conventional caption "Dummy" flags the variables where the interviewer was instructed to check a box on the questionnaire; these variables contain a "1" if the box was checked ☑, or a blank if it was not checked ☐.

The codebook below contains all of the variables in the "Public" version of the data files.

Data file: household_public

Name	Label	Values
hhid	Household ID	Numbers
w_hh	Household weights	Numbers
psu	Primary Sampling Unit (Enumeration District)	Numbers 1 to 582
stratum	Stratum	Numbers 1 to 11
confhh	Speaking to one of the listed persons	[1: Yes; 2: No]
confhh2	CHECK WITH RESPONDENT IF THEY ARE A HOUSEHOLD MEMBER WITH THE FOLLOWING PERSON(S).	[1: YES, THEY ARE MEMBERS OF THE HOUSEHOLD; 2: NO]
consent	Agreement to participate in the survey	[1: Consent]
aged18	Are you at least 18 years old?	[1: Yes]
dtetme_0	TAKE TIME	Date
nocomp	GIVE DETAILS ON REASON FOR REFUSAL, UNAVAILABILITY OF ELIGIBLE RESPONDENTS	String
dtetme_1	TAKE TIME	Date
newmem	Other household member not mentioned so far	[1: YES - > LIST ALL NEW MEMBERS IN NEXT QUESTION; 2: NO]
rspond	Informant's member ID	Numbers

Name	Label	Values
rspedu	Highest level of education you completed	[1: NO EDUCATION; 2: PRIMARY; 3: SECONDARY; 4: SIXTH FORM / COMMUNITY COLLEGE; 5:VOCATIONAL TRAINING/ HIGHER EDUCATION; 6: UNIVERSITY DEGREE (FIRST DEGREE); 7: POSTGRADUATE DEGREE (MASTERS OR DOCTORAL]
rspexm	Highest examination passed	[1: School leaving certificate; 2: CXC Basic; 3: CXC General / O Level; 4: GCE A Level /CAPE; 6: None]
rspexm_oth	Highest examination passed_other	String
intrst	Interest perceived after 5 years	[1: More than $102; 2: Exactly $102; 3: Less than $102; -99: DO NOT KNOW; -98:REFUSE TO ANSWER]
intinf	Interest perceived after 1 years with an inflation rate of 2%	[1: More than today; 2: Exactly the same; 3: Less than today; -99: DO NOT KNOW; -98:REFUSE TO ANSWER]
stkfnd	Stock funding (true / false)	[1: True; 2: False; -99: DO NOT KNOW; -98:REFUSE TO ANSWER]
dwlsta	Dwelling purchase status	[1: Owned with mortgage; 2: Owned without mortgage; 4: Private rented or leased; 5:Gov't rented or leased; 7: Rent-free; -96: Other (specify)]
dwlsta_oth	Dwelling purchase status (SPECIFY OTHER)	String
rentja	Household Renting affordability	[1: YES; 2: NO]
rntafo	Household Renting affordability since the beginning of the 24hr curfew	[1: YES; 2: NO]
rntnxm	Household Renting affordability next month (in June)	[1: YES; 2: NO; -99:DON'T KNOW]
mrtgja	Household Renting affordability in January 2020	[1: YES; 2: NO]
mtgafo	Household mortgage repayments affordability since the beginning of the 24hr curfew	[1: YES; 2: NO]
mtgnxm	Household mortgage repayment affordability next month (in June)	[1: YES; 2: NO; -99:DON'T KNOW]
loanja	Ongoing personal loan in HH other than mortgages in January 2020	[1: YES; 2: NO]
loanmp	Household regular payment of personal loans affordability in January 2020	[1: YES; 2: NO; 3: DID NOT HAVE TO REPAY]
lonafo	Household affordability of repayments for personal loans since the beginning of the 24hr curfew	[1: YES; 2: NO; 3: REPAYMENTS ARE SUSPENDED; 4: LOAN HAS BEEN FULLY REPAID]
lonnxm	Household loan repayments affordability next month (in June)	[1: YES; 2: NO; -99: DON'T KNOW; 3: REPAYMENTS ARE SUSPENDED; 4: LOAN HAS BEEN FULLY REPAID; -99: DK/NA]
busins	Run a business/ self-employment or freelancing in the household in January 2020	[1: YES; 2: NO]

Name	Label	Values
bsnnum	Number of business/ self-employment or freelancing in the household in January 2020	Numbers 0 to 4
rmtrcv	Received money from relatives abroad from January to March 2020	[1: YES; 2: NO]
rmtcnt	Country from where received most of the money	Numbers 52 to 840
rmtsta	State from where received most of the money (US)	Numbers 4 to 53
rmtsnd	Person from whom did receive most of that money	[1: MARRIED OR COMMON-LAW PARTNER; 2: MOTHER/FATHER OF MY KID(S) (NOT IN A RELATIONSHIP); 3: MOTHER/FATHER; 4: DAUGHTER/SON; 5: BROTHER/SISTER; 6: AUNT/UNCLE; FRIEND; -96: OTHER (SPECIFY)]
rmtsnd_oth	Person from whom did receive most of that money (SPECIFY OTHER)	String
sndaff	That person was economically affected by COVID-19	[1: YES; 2: NO; -99: DON'T KNOW]
sdafhw__1	How was that person affected by COVID-19	[1: CONTRACTED THE DISEASE AND PASSED AWAY]
sdafhw__2	How was that person affected by COVID-19	[1: CONTRACTED THE DISEASE AND LOST WORKDAYS]
sdafhw__3	How was that person affected by COVID-19	[1: EMPLOYER REDUCED THE NUMBER OFWORKING HOURS]
sdafhw__4	How was that person affected by COVID-19	[1: LOST HER/HIS JOB]
sdafhw__5	How was that person affected by COVID-19	[1: WAS FORCED TO CLOSE HER/HIS BUSINESS DUE TO GOVERNMENT MANDATED POLICIES]
sdafhw__6	How was that person affected by COVID-19	[1: CLOSED HER/HIS BUSINESS DUE TO DECREASED DEMAND/CONSUMERS]
sdafhw__7	How was that person affected by COVID-19	[1: BUSINESS THEY WORKED IN WAS (TEMPORARILY) CLOSED DUE TO CORONA]
sdafhw__96	How was that person affected by COVID-19	[1: OTHER (SPECIFY)]
sdafhw__oth	How was that person affected by COVID-19	String
incjan	Total HH income in January 2020 (in BBD)	Numbers 0 to 99999
rmtjan	HH income in January 2020 received from abroad (in BBD)	Numbers 0 to 99999
spnjan	Total HH spending in January 2020 (in BDD)	Numbers 0 to 99999
incapr	Total HH income in April 2020 (in BBD)	Numbers 0 to 99999
rmtapr	HH income in January 2020 received from abroad (in BBD)	Number [0: None] to 99999
spnapr	Total HH spending in April 2020 (in BDD)	Numbers 0 to 99999
incmay	Expected total HH income in May 2020 (in BBD)	Numbers 0 to 99999
rmtmay	HH income expected from abroad in May 2020 (in BBD)	Number [0: None] to 99999

Name	Label	Values
spnmay	Total HH spending expected in May 2020 (in BDD)	Numbers 0 to 99999
bnfjan	Government assistance for HH in January 2020	[1: YES; 2: NO]
bnfrcv__1	Department/program received the benefits from_THE WELFARE DEPARTMENT	[1: YES]
bnfrcv__2	Department/program received the benefits from_THE NATIONAL ASSISTANCE BOARD	[1: YES]
bnfrcv__3	Department/program received the benefits from_CHILDCARE BOARD	[1: YES]
bnfrcv__4	Department/program received the benefits from_CONTRIBUTORY PENSION FROM THE NATIONAL INSURANCE SCHEME	[1: YES]
bnfrcv__5	Department/program received the benefits from_NON-CONTRIBUTORY PENSION FROM THE NATIONAL INSURANCE SCHEME	[1: YES]
bnfrcv__6	Department/program received the benefits from_UNEMPLOYMENT BENEFIT FROM THE NATIONAL INSURANCE SCHEME	[1: YES]
bnfrcv__7	Department/program received the benefits from_MATERNITY BENEFIT FROM THE NATIONAL INSURANCE SCHEME	[1: YES]
bnfrcv__n96	Department/program received the benefits from_OTHER (SPECIFY)	[1: YES]
bnfrcv_oth	SPECIFY OTHER	String
bnfnwr	Reception of Government assistance since the beginning of the 24hr curfew in HH	[1: YES; 2: NO]
bnfnew__1	Department/program received the benefits from_THE WELFARE DEPARTMENT	[1: YES]
bnfnew__2	Department/program started receiving the benefits from_THE NATIONAL ASSISTANCE BOARD	[1: YES]
bnfnew__3	Department/program started receiving the benefits from_CHILDCARE BOARD	[1: YES]
bnfnew__4	Department/program started receiving the benefits from_CONTRIBUTORY PENSION FROM THE NATIONAL INSURANCE SCHEME	[1: YES]
bnfnew__5	Department/program started receiving the benefits from_NON-CONTRIBUTORY PENSION FROM THE NATIONAL INSURANCE SCHEME	[1: YES]
bnfnew__6	Department/program started receiving the benefits from_UNEMPLOYMENT BENEFIT FROM THE NATIONAL INSURANCE SCHEME	[1: YES]

Name	Label	Values
bnfnew__7	Department/program started receiving the benefits from_MATERNITY BENEFIT FROM THE NATIONAL INSURANCE SCHEME	[1: YES]
bnfnew__8	Department/program started receiving the benefits from_ADOPT A FAMILY PROGRAM	[1: YES]
bnfnew__n96	Department/program started receiving the benefits from_OTHER (SPECIFY)	[1: YES]
bnfnew_oth	SPECIFY OTHER	String
hngjan	Hunger in HH for lack of money during January 2020	[1: YES; 2: NO; -99: PREFER NOT TO SAY]
hngapr	Hunger in HH for lack of money during April 2020	[1: YES; 2: NO; -99: PREFER NOT TO SAY]
hngmay	Hunger in HH for lack of money during May 2020	[1: YES; 2: NO; -99: PREFER NOT TO SAY]
lstinc	Lost of HH's main source of income since January 2020	[1: YES; 2: NO]
ltindy	# of days since HH lost main source of income	Numbers 0 to 99999
mtneed	Met basic HH needs during all these days	[1: YES; 2: NO]
mtnddy	# of days expected to continue meeting basic HH needs	Numbers 0 to 99999 [-1: INDEFINITELY]
abmtdy	# of days unable to meet basic HH needs	Numbers 0 to 99999
igmtdy	# of days expected to continue meeting basic HH needs if lost main source of income	Numbers 0 to 99999 [-1: INDEFINITELY]
rpemyn	Agrees to share e-mail address	[1: AGREED; 2: PREFERS NOT TO SHARE EMAIL; 3: DOESN'T HAVE EMAIL]
rspeml	e-mail address	String
complt	Complete interview	[1: COMPLETE; 2: INCOMPLETE]
rsninc	Reasons why is not completed	String
result	Type of completion	[54: complete partial; 842: completed full]
dtetme_12	Date / Time of finalization	Date
interview__status	Status of the interview	[60: Interviewer Assigned; 65: Rejected By Supervisor; 100; Completed; 120: Approved By Supervisor; 130: Approved By Headquarters]

Data file: bsimpact_public

Name	Label	Values
hhid	Household ID	Numbers
w_hh	Household weights	Numbers
psu	Primary Sampling Unit (Enumeration District)	Numbers 1 to 582
stratum	Stratum	Numbers 1 to 11
businessid	Business ID	Numbers 1 to 4
interview__key	Interview key (identifier in XX-XX-XX-XX format)	String
interview__id	Interview ID	String
bsimpact__id	Id in bsimpact	[1: cancel the purchase of inputs of inventory; 2:cancel sales; 3: stop paying a loan ; 4: sell off or give away produce or inventory ; 5: reduce hours of employees; 6: give employees unpaid leave; 7: layoff employees]
bactma	Actions taken by the business since March 15…	[1: YES; 2: NO; -98: NOT APPLICABLE]
bactfu	Actions expected to be taken in the coming weeks…	[1: YES; 2: NO; -98: NOT APPLICABLE]

Data file: business_public

Name	Label	Values
hhid	Household ID	Numbers
w_hh	Household weights	Numbers
psu	Primary Sampling Unit (Enumeration District)	Numbers 1 to 582
stratum	Stratum	Numbers 1 to 11
interview__key	Interview key (identifier in XX-XX-XX-XX format)	String
interview__id	Interview ID	String
businessid	Business ID	Numbers 1 to 4
busemp	# of employees or interns the business have	Numbers [0: None] to 99999
bussct	Main activity of the business	[1: government; 2: agriculture, livestock, hunting and fishing; 3: accommodation & food services; 4: construction; 5: mining & quarrying; 6: wholesale & retail trade; 7: finance & insurance; 8: transport, storage, and communications; 9: manufacturing industry; -96: other (specify)]
bussct_oth	Main activity of the business (SPECIFY OTHER)	String
oprate	Business operating status	[1: operating under normal hours; 2: operating under reduced hours; 3: temporarily closed; 4: permanently closed]

Data file: labaffect_public

Name	Label	Values
hhid	Household ID	Numbers
w_hh	Household weights	Numbers
psu	Primary Sampling Unit (Enumeration District)	Numbers 1 to 582
stratum	Stratum	Numbers 1 to 11
interview__key	Interview key (identifier in XX-XX-XX-XX format)	String
interview__id	Interview ID	String
labaffect__id	Id in ak	[1: lose their job?; 2: take unpaid leave?; 3: have to close their business due to government policy?; 4: have to close their business due to lack of demand/consumers?; 5: have to receive emergency medical assistance?; 6: looked for a job and could not find one?]
affect	Since March 15 2020 HH member…	[1: YES; 2: NO; -98: NOT APPLICABLE]

Data file: members_public

Name	Label	Values
hhid	Household ID	Numbers
memid	Member ID	Numbers 1 to 13
w_ind	Individual weights	Numbers
psu	Primary Sampling Unit (Enumeration District)	Numbers 1 to 582
stratum	Stratum	Numbers 1 to 11
sex	Gender	[1: Male; 2: Female]
memage	Member age in years	Numbers 0 to 109
memid16	2016 housheold member id	Numbers 1 to 12
dob16	2016 date of birth	String
gender16	2016 gender	[1: Male; 2: Female]
curmem	Currently member of HH	[1: Yes; 2: No]
memdob	Member Date of Birth	String
memgnd	Member gender	[1: Male; 2: Female]
incact	Worked at least 1 hour in past 7 days	[1: YES; 2: NO]
wrkrtn	Absent from job or business, to which will return	[1: YES; 2: NO; -98: DON'T KNOW]
avlbl	Avalability to work in next 2 weeks if opportunity arose	[1: YES; 2: NO]
search	Looked for a job / try to start a business in the past 30 days	[1: YES; 2: NO]
incbfr	Worked before mid-march	[1: YES; 2: NO]

Name	Label	Values
stprsn	Main reason to stop working	[1: business / office temporary closed; 2: business / office permanently closed; 3: layed off while business continues; 4: unpaid leave; 5: vacation; 6: ill / quarantined; 7: need to care for ill relative; 8: seasonal worker; 9: retired; 10: not able to go to work due to movement restrictions; 11: health and safety; -96: other, specify]
stprsn_oth	Main reason to stop working (SPECIFY OTHER)	String
emptyp	Main working activity	[1: As an employee for a private company or another individual (not household member); 2: as an employee for the government; 7: as an employee for NGOs, international organisations, the church, etc; 3: in their own business (non-farm); 4: in a business operated by a household member (non-farm); 5: as an apprentice, trainee, intern; 6: in a family farm, growing crops, raising livestock, or fishing]
sector	Main activity of main job	[1: government; 2: agriculture, livestock, hunting and fishing; 3: accommodation & food services; 4: construction; 5: mining & quarrying; 6: wholesale & retail trade; 7: finance & insurance; 8: transport, storage, and communications; 9: manufacturing industry; -96: other (specify)]
sector_oth	Main activity of main job (SPECIFY OTHER)	String
unembf	Filed for unemployment benefits since mid-March	[1: YES; 2: NO]
wrknml	Work as usual in the last week	[1: the same hours as before mid-March; 2: reduced hours; 3: or increased hours]
fulpay	Pay to receive for having worked last 7 days	[1: Full normal payment; 2: Partial payment; 3: No payment; -99: DON'T KNOW]
rsnlft	Reason why [NAME] leave the household	[1: overseas for studies/educational reason; 2: overseas for work; 3: overseas for health reasons; 6: divorce/separation; 7: for marriage/cohabitation; 8: moved out to set up own home; 9: deseased; 10: never was a member / error in last round; -96: other (specify)]
rsnlft_oth	SPECIFY OTHER	String
rsnjon	Reason why [NAME] joined the household	[1: new born/adopted child; 2: marriage /cohabitation; 3: divorce /separation; 4: returned from college/univ; 6: moved in with parent or relative; 7: shared accommodation; 8: return from work migration; 9: mistakenly not reported or forgotten last visit; -96: other (specify)]
rsnjon_oth	SPECIFY OTHER	String
jnhhyn	Has (member) joined the household since	[1: since the beginning of January 2020; 2:

Name	Label	Values
	january or before?	before that]
govrmt	Department of Government that worked for	String

Data file: paymethods_public

Name	Label	Values
hhid	Household ID	Numbers
w_hh	Household Weights	Numbers
psu	Primary Sampling Unit (Enumeration District)	Numbers 1 to 582
stratum	Stratum	Numbers 1 to 11
interview__key	Interview key (identifier in XX-XX-XX-XX format)	String
interview__id	Interview ID	String
paymethods__id	Id in paymethods	[1: used cash; 2: used a debit or credit card; 4: used a check ; 5: made an online transfer; 6: used mMoney or another mobile payment system (e wallet); 7: used PayPal, SurePay or any other online payment system; 8: used an app, internet or mobile based payment system such as Mmoney, PayPal, SurePay or similar; -96: used any other payment method (specify)]
paycfw	S2Q1. Since the beginning of the 24hr curfew (April 3), has anyone in your household ...?	[1: YES; 2: NO]
paybfr	S2Q2. And before the curfew, has anyone in your HH...?	[1: YES; 2: NO]
paycfw_oth	SPECIFY OTHER	String

Data file: spreading_pub

Name	Label	Values
hhid	Household ID	Numbers
w_hh	Household Weights	Numbers
psu	Primary Sampling Unit (Enumeration District)	Numbers 1 to 582
stratum	Stratum	Numbers 1 to 11
interview__key	Interview key (identifier in XX-XX-XX-XX format)	String
interview__id	Interview ID	String
optseq	options asked in random order, sequence	Numbers 1 to 7
spropt	Options asked	String
sprdyn	Reasons why COVID-19 was spread out	[1: YES; 2: NO]