

# Tonga - High Frequency Phone Survey of Households 2022, Round 1

**World Bank**

Report generated on: September 8, 2022

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## Overview

### Identification

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#### ID NUMBER

SPC\_TON\_2022\_HFPS-W1\_v01\_M\_v01\_A\_PUF

### Version

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#### VERSION DESCRIPTION

Version 01: Cleaned, labelled and anonymized version of the Master file.

#### PRODUCTION DATE

2022-07

#### NOTES

Dataset distributed by the World Bank Group (WBG).

### Overview

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#### ABSTRACT

The phone survey was conducted to gather data on the socio-economic impacts of COVID-19 crisis, as well as the Hunga Tonga-Hunga Ha'apai volcanic eruption and tsunami in Tonga. Round 1 interviewed 2,527 households both in urban and rural regions of the country from April 12, 2022, to May 7, 2022. Survey topics included employment and income, food security, coping strategies, access to health services, asset ownership, and preparedness. While these findings are not without their caveats due to the lack of baseline data, constraints of the mobile phone survey methodology, and data quality constraints, they represent the best estimates to date and supplement other data on macroeconomic conditions, exports, firm-level information, etc. to develop an initial picture of the impacts of the crises on the population.

#### KIND OF DATA

Sample survey data [ssd]

#### UNITS OF ANALYSIS

Household.

### Scope

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#### NOTES

-HOUSEHOLD: Basic Information, Livelihood, Assets (pre- and post-crises), Food Insecurity, Public Services, Coping Strategies, Preparedness.

#### TOPICS

Topic	Vocabulary	URI
pacific-skills, education, training		
pacific-skills, employment		

#### KEYWORDS

COVID-19, Phone survey, Health, Income, Employment, Assets, Food security

## Coverage

### GEOGRAPHIC COVERAGE

Urban and rural areas.

### UNIVERSE

All respondents must be at least 18 years of age to undertake the survey.

## Producers and Sponsors

### PRIMARY INVESTIGATOR(S)

Name	Affiliation
World Bank	World Bank Group

### OTHER PRODUCER(S)

Name	Affiliation	Role
Sistemas Integrales Consulting Ltda.		Technical assistance
The International Bank for Reconstruction and Development	World Bank Group	Technical assistance

### FUNDING

Name	Abbreviation	Role
World Bank Group		Funding
Australian Department of Foreign Affairs and Trade	DFAT	Funding

## Metadata Production

### METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
Statistics for Development Division	SDD	Pacific Community	Documentation of the study

### DATE OF METADATA PRODUCTION

2022-09-08

### DDI DOCUMENT VERSION

-Version 01 (September 2022): This is the first attempt at documenting the Round 1 of Tonga's 2022 High Frequency Phone Survey. Done by the Statistics for Development Division in Noumea.

### DDI DOCUMENT ID

DDI\_SPC\_TON\_2022\_HFPS-W1\_v01\_M\_v01\_A\_PUF

## Sampling

### Sampling Procedure

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The Tonga HFPS Round 1 sample was generated through a Random Digit Dialing (RDD) process covering all cell telephone numbers active at the time of the sample selection. The survey was administered by Sistemas Integrales.

The RDD methodology generates virtually all possible telephone numbers in the country under the national telephone numbering plan and then draws a random sample of numbers. This method guarantees full coverage of the population with a phone.

First, a large first-phase sample of cell phone numbers was selected and screened through an automated process to identify the active numbers. Then, a smaller second-phase sample was selected from the active residential numbers identified in the first-phase sample and was delivered to the data collection team to be called by the interviewers. When a cell phone was called, the call answerer was interviewed as long as he or she was 18 years of age or above and knowledgeable about the household activities.

It was initially planned to stratify the sample by island group based on the phone number prefixes. However, this was not feasible given the high internal migration across islands and the atypical assignment of phone number prefixes across islands in Tonga. The sample is overrepresenting urban areas and the population of Tongatapu.

### Response Rate

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The survey interviewed 2,527 households with an unweighted phone response rate of 31.2%.

### Weighting

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Tonga HFPS Round 1 includes only household-level data. The household weighting process involves the following five steps:

1. Calculation of the inclusion probabilities of cell phone numbers.
2. Computation of household design weights.
3. Nonresponse weighting adjustment.
4. Weight calibration.
5. Weight trimming and recalibration.

Adjusted weights of respondent households were calibrated to reflect the country distribution of households by island group, sex, age and educational attainment of the household head, the average household size and the average household's wealth status according to the 2016 Tonga Population Census and the 2019 Tonga Multiple Indicator Cluster Survey (MICS).

Survey methodology literature and experience show that cell phone survey results tend to be biased towards male, younger and more educated individuals than the overall population, and towards poorer households. This is due to both cell phone ownership patterns (coverage bias) and differential response rates (nonresponse bias). Such overrepresentation of male, younger and more educated individuals and better-off households can be compensated via weight calibration adjustment. Among the existing calibration techniques, HFPS Round 1 applied the raking method using the logit distance function. The raking margins were based on 2016 Census household counts by island groups and MICS relative distribution of households by household heads' sex, age, education level, household size, and wealth index based on MICS data.

# Questionnaires

## Overview

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The questionnaire was developed in both English and Tongan. Sections of the Questionnaire:

1. Interview Information
2. Basic Information
3. Livelihood
4. Assets
5. Food Insecurity
6. Public Services
7. Coping Strategies
8. Preparedness
9. Recontact.

The questionnaire is provided in this documentation.

## Data Collection

### Data Collection Dates

Start	End	Cycle
2022-04-12	2022-05-07	Data collection

### Data Collection Mode

Computer Assisted Telephone Interview [cati]

### Data Collection Notes

The survey management team of Sistemas Integrales included a Project Director, a Project Manager, a Fieldwork Manager, and a Data Manager. The data collection was implemented over 23 days with a team formed by one local coordinator, 20 interviewers and 3 supervisors. All interviewers worked from home, given the mobility restrictions due to the COVID-19 pandemic. The average interview time was 37 minutes.

Total of 11,175 numbers were contacted out of which 2,520 completed the interview. Not accounting for 3,075 inactive/invalid numbers contacted:

- The (unweighted) response rate is 31.2%
- The cooperation rate is 88.5%
- The completion rate is 98.4%.

### Questionnaires

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### Data Collectors

Name	Abbreviation	Affiliation
Sistemas Integrales Consulting		

## Data Processing

### **Data Editing**

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At the end of data collection, the raw dataset was cleaned by the survey firm and the World Bank team. Data cleaning mainly included formatting, relabeling, and excluding survey monitoring variables (e.g., interview start and end times). Data was edited using the software STATA.

### **Other Processing**

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For consistency purposes, all categorical levels were labeled identically across variables, where applicable.

# Data Appraisal

No content available

# File Description

# Variable List

**WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF**

Content	This file is the "Household" dataset of the first round of the 2022 High Frequency Phone Survey on COVID-19 of Tonga. It contains information collected using the following modules from the questionnaire: 1. Interview Information 2. Basic Information 3. Livelihood 4. Assets 5. Food Insecurity 6. Public Services 7. Coping Strategies 8. Preparedness 9. Recontact.
Cases	2527
Variable(s)	238
Structure	Type: relational Keys: hhid(household id)
Version	Version 01: Cleaned, labelled and anonymized version of the Master file.
Producer	World Bank.
Missing Data	Missing values are signified by the "." symbol. Direct identifiers were removed from the data file (phone numbers, names...etc).

**Variables**

ID	NAME	LABEL	TYPE	FORMAT	QUESTION
V1	hhid	household id	contin	numeric	
V2	date_int	interview date	discrete	character	
V3	division	division	discrete	character	
V4	island_group	groups of five islands	discrete	numeric	
V5	urban	urban or rural	discrete	numeric	
V6	weight	household weights wave 1	contin	numeric	
V7	wealth_index	wealth index score	contin	numeric	
V8	wealth_decile	10 deciles of mics wealth index	discrete	numeric	
V9	wealth_quint	wealth quintile	discrete	numeric	
V10	hhsz	household size	contin	numeric	
V11	hhsz_group	household size groups	discrete	numeric	
V12	sex	respondent sex	discrete	numeric	WHAT IS THE SEX OF THE RESPONDENT
V13	q01_04	are you over 18 years of age?	contin	numeric	How old are you?
V14	q02_02	respondent's relationship to the household head	discrete	numeric	What is your relationship to the head of the household?
V15	q02_03	household head age	contin	numeric	Can you tell me the age of the head of the household please?
V16	head_sex	household head sex	discrete	numeric	
V17	q02_06	households with children younger than 5	discrete	numeric	Are there any children 5 years of age or younger who live in the household?
V18	q02_07	households with children ages 6-14	discrete	numeric	Are there any children in the age group 6-14 who live in the household?
V19	q02_08	household with servants	discrete	numeric	Are any of those living in the household, live-in servants?
V20	q02_09	respondent's highest level of education'	discrete	numeric	What is the highest level of education you have attended?
V21	q02_10	respondent's marital status	discrete	numeric	What is your marital status?

V22	residence	respondent's current residence'	discrete	numeric	
V23	q02_12	district	discrete	numeric	
V24	q02_13	respondent's current village residence	discrete	numeric	In what village are you currently living?
V25	q02_15	did your household move as a result of the volcanic eruption and/or tsunami?	discrete	numeric	Did your household move as a result of the volcanic eruption and tsunami?
V26	q02_16	did your household move within the same village?	discrete	numeric	Did your household move within the same village?
V27	q02_18	did your household move within the same island group?	discrete	numeric	Did your household move within the same island group?
V28	q02_19	in what island group did your household live before eruption or tsunami?	discrete	numeric	In what island group were you living before the volcanic eruption and tsunami?
V29	q02_21	in what village did your household live before eruption or tsunami?	discrete	numeric	In what village were you living before the volcanic eruption and tsunami?
V30	q03_01	handicraft business?	discrete	numeric	Do you or any household member operate a handicraft business? This is, produce handicrafts intended mainly for sale?
V31	q03_02	handicraft income compared to before natural disasters?	discrete	numeric	Compared to prior to the volcanic eruption and tsunami, is the income from the handicraft business expected to be...
V32	q03_05	grow or harvest crops?	discrete	numeric	Do you or any member of your household grow or harvest crops either for home consumption or sale?
V33	q03_06	acres of land owned	discrete	numeric	How many acres of agricultural land do members of this household own?
V34	q03_07a	sources of agricultural income: root crops	discrete	numeric	What type of crops are grown by this household?
V35	q03_07b	sources of agricultural income: fruit crops	discrete	numeric	What type of crops are grown by this household?
V36	q03_07c	sources of agricultural income: vegetable crops	discrete	numeric	What type of crops are grown by this household?
V37	q03_07d	sources of agricultural income: cash crops	discrete	numeric	What type of crops are grown by this household?
V38	q03_08	purpose of crop production	discrete	numeric	The crops produced by your household are mainly...
V39	q03_09	since the natural disaster, has your ability to grow crops been disrupted?	discrete	numeric	Since the volcanic eruption and tsunami, has your household's ability to grow crops been disrupted?
V40	q03_10_1	reasons for disruption: ash	discrete	numeric	What are the main reasons why you were not able to farm as before the tsunami?
V41	q03_10_2	reasons for disruption: lack of water	discrete	numeric	What are the main reasons why you were not able to farm as before the tsunami?
V42	q03_10_3	reasons for disruption: air pollution	discrete	numeric	What are the main reasons why you were not able to farm as before the tsunami?
V43	q03_10_4	reasons for disruption: loss of farming implements	discrete	numeric	What are the main reasons why you were not able to farm as before the tsunami?
V44	q03_10_5	reasons for disruption: advised to stay home	discrete	numeric	What are the main reasons why you were not able to farm as before the tsunami?

V45	q03_10_6	reasons for disruption: reduced availability of labor	discrete	numeric	What are the main reasons why you were not able to farm as before the tsunami?
V46	q03_10_7	reasons for disruption: restriction on movement/travel	discrete	numeric	What are the main reasons why you were not able to farm as before the tsunami?
V47	q03_10_8	reasons for disruption: unable to acquire/transport inputs	discrete	numeric	What are the main reasons why you were not able to farm as before the tsunami?
V48	q03_10_9	reasons for disruption: unable to sell/transport outputs	discrete	numeric	What are the main reasons why you were not able to farm as before the tsunami?
V49	q03_10_10	reasons for disruption: care for disabled	discrete	numeric	What are the main reasons why you were not able to farm as before the tsunami?
V50	q03_10_11	reasons for disruption: care for children	discrete	numeric	What are the main reasons why you were not able to farm as before the tsunami?
V51	q03_10_12	reasons for disruption: increased input price	discrete	numeric	What are the main reasons why you were not able to farm as before the tsunami?
V52	q03_10_13	reasons for disruption: bad weather	discrete	numeric	What are the main reasons why you were not able to farm as before the tsunami?
V53	q03_11	agricultural income compared to previous season	discrete	numeric	Compared to the last agricultural season, this season the income from farming is expected to be...
V54	q03_12	raising livestock?	discrete	numeric	Do you or any member of your household raise livestock either for home consumption or sale?
V55	q03_13a	livestock owned: chickens	discrete	numeric	
V56	q03_13b	livestock owned: ducks	discrete	numeric	
V57	q03_13c	livestock owned: pigs	discrete	numeric	
V58	q03_13d	livestock owned: cows/cattle/bulls	discrete	numeric	
V59	q03_13e	livestock owned: goats	discrete	numeric	
V60	q03_13f	livestock owned: sheep	discrete	numeric	
V61	q03_13g	livestock owned: horses/donkey	discrete	numeric	
V62	q03_14	number of milk cows/bulls owned	discrete	numeric	How many milk cows or bulls are owned by this household?
V63	q03_15	number of other cattle owned	discrete	numeric	How many other cattle are owned by this household?
V64	q03_16	purpose of raising livestock	discrete	numeric	The livestock raised by this household are mainly...
V65	q03_17	since the natural disaster, has your ability to raise livestock been disrupted?	discrete	numeric	Since the volcanic eruption and tsunami, has your household's ability to raise livestock been disrupted?
V66	q03_18_1	reasons for disruption: livestock died	discrete	numeric	What are the main reasons why you were not able to raise livestock as before the tsunami?
V67	q03_18_2	reasons for disruption: advised to stay home	discrete	numeric	What are the main reasons why you were not able to raise livestock as before the tsunami?
V68	q03_18_3	reasons for disruption: reduced labor	discrete	numeric	What are the main reasons why you were not able to raise livestock as before the tsunami?
V69	q03_18_4	reasons for disruption: restriction on travel	discrete	numeric	What are the main reasons why you were not able to raise livestock as before the tsunami?
V70	q03_18_5	reasons for disruption: unable to acquire/transport inputs	discrete	numeric	What are the main reasons why you were not able to raise livestock as before the tsunami?

V71	q03_18_6	reasons for disruption: unable to sell/transport outputs	discrete	numeric	What are the main reasons why you were not able to raise livestock as before the tsunami?
V72	q03_18_7	reasons for disruption: care for disabled	discrete	numeric	What are the main reasons why you were not able to raise livestock as before the tsunami?
V73	q03_18_8	reasons for disruption: care for children	discrete	numeric	What are the main reasons why you were not able to raise livestock as before the tsunami?
V74	q03_18_9	reasons for disruption: increased input prices	discrete	numeric	What are the main reasons why you were not able to raise livestock as before the tsunami?
V75	q03_18_10	reasons for disruption: bad weather	discrete	numeric	What are the main reasons why you were not able to raise livestock as before the tsunami?
V76	q03_18_96	reasons for disruption: other	discrete	numeric	What are the main reasons why you were not able to raise livestock as before the tsunami?
V77	q03_19	livestock income compared to previous season	discrete	numeric	Compared to last year, this year is the income from raising livestock expected to be...
V78	q03_20	catching fish?	discrete	numeric	Do you or any member of your household catch fish either for home consumption or sale?
V79	q03_21	purpose of catching fish	discrete	numeric	The fish caught by this household are mainly...
V80	q03_22	since the natural disaster, has your ability to fish been disrupted?	discrete	numeric	Since the volcanic eruption and tsunami, has your household's ability to fish been disrupted?
V81	q03_23_1	reasons for disruption: air pollution	discrete	numeric	What are the main reasons why you were not able to fish as before the tsunami?
V82	q03_23_2	reasons for disruption: loss of boat	discrete	numeric	What are the main reasons why you were not able to fish as before the tsunami?
V83	q03_23_3	reasons for disruption: loss of nets	discrete	numeric	What are the main reasons why you were not able to fish as before the tsunami?
V84	q03_23_4	reasons for disruption: seas too rough	discrete	numeric	What are the main reasons why you were not able to fish as before the tsunami?
V85	q03_23_5	reasons for disruption: afraid to go into ocean	discrete	numeric	What are the main reasons why you were not able to fish as before the tsunami?
V86	q03_23_6	reasons for disruption: fad washed away	discrete	numeric	What are the main reasons why you were not able to fish as before the tsunami?
V87	q03_23_7	reasons for disruption: no fish	discrete	numeric	What are the main reasons why you were not able to fish as before the tsunami?
V88	q03_23_8	reasons for disruption: advised to stay home	discrete	numeric	What are the main reasons why you were not able to fish as before the tsunami?
V89	q03_23_9	reasons for disruption: restriction on movement	discrete	numeric	What are the main reasons why you were not able to fish as before the tsunami?
V90	q03_23_10	reasons for disruption: unable to acquire/transport inputs	discrete	numeric	What are the main reasons why you were not able to fish as before the tsunami?
V91	q03_23_11	reasons for disruption: unable to sell/transport outputs	discrete	numeric	What are the main reasons why you were not able to fish as before the tsunami?
V92	q03_23_12	reasons for disruption: care for disabled	discrete	numeric	What are the main reasons why you were not able to fish as before the tsunami?
V93	q03_23_13	reasons for disruption: bad weather	discrete	numeric	What are the main reasons why you were not able to fish as before the tsunami?
V94	q03_24	fishery income compared to last year	discrete	numeric	Compared to last year, is the income from the fishing expected to be...
V95	q03_24a	wage employment	discrete	numeric	Do you or any member of your household work for an employer for a wage or salary?

V96	q03_24b	wage income compared to before natural disasters	discrete	numeric	Compared to prior to the volcanic eruption and tsunami, is the income from this/these job/s expected to be...
V97	q03_24c	non-farming business	discrete	numeric	Do you or any member of your household operate a non-farming business other than handicrafts?
V98	q03_24d	non-farming income compared to before natural disasters	discrete	numeric	Compared to prior to the volcanic eruption and tsunami, is the income from the family business expected to be...
V99	q03_25	remittances before natural disasters	discrete	numeric	Prior to the volcanic eruption and tsunami, did your household usually receive money from someone who lives elsewhere in Tonga or abroad?
V100	q03_26a	remittances from within tonga	discrete	numeric	From which country does your household typically receive money?
V101	q03_26b	remittances from australia	discrete	numeric	From which country does your household typically receive money?
V102	q03_26c	remittances from new zealand	discrete	numeric	From which country does your household typically receive money?
V103	q03_26d	remittances from united states	discrete	numeric	From which country does your household typically receive money?
V104	q03_26z	remittances from other countries	discrete	numeric	From which country does your household typically receive money?
V105	q03_27	remittances income compared to before natural disasters	discrete	numeric	Compared to prior to the volcanic eruption and tsunami, the money received by your household was ...
V106	q04_01a	assets owned: telephone line	discrete	numeric	Did your household have a ...
V107	q04_01b	assets owned: radio	discrete	numeric	Did your household have a ...
V108	q04_01c	assets owned: sofa	discrete	numeric	Did your household have a ...
V109	q04_01d	assets owned: bed	discrete	numeric	Did your household have a ...
V110	q04_01e	assets owned: table	discrete	numeric	Did your household have a ...
V111	q04_01f	assets owned: chair	discrete	numeric	Did your household have a ...
V112	q04_01g	assets owned: cupboard/cabinet	discrete	numeric	Did your household have a ...
V113	q04_01h	assets owned: wrist watch	discrete	numeric	Did your household have a ...
V114	q04_01i	assets owned: water tank	discrete	numeric	Did your household have a ...
V115	q04_01j	assets owned: tv	discrete	numeric	Did your household have a ...
V116	q04_01k	assets owned: fridge	discrete	numeric	Did your household have a ...
V117	q04_01l	assets owned: freezer	discrete	numeric	Did your household have a ...
V118	q04_01m	assets owned: washing machine	discrete	numeric	Did your household have a ...
V119	q04_01n	assets owned: dvd	discrete	numeric	Did your household have a ...
V120	q04_01o	assets owned: microwave	discrete	numeric	Did your household have a ...
V121	q04_01p	assets owned: electric seqing machine	discrete	numeric	Did your household have a ...
V122	q04_01q	assets owned: ac	discrete	numeric	Did your household have a ...
V123	q04_01r	assets owned: water heater	discrete	numeric	Did your household have a ...
V124	q04_01s	assets owned: bike	discrete	numeric	Did your household have a ...

V125	q04_01t	assets owned: motorcycle/scooter	discrete	numeric	Did your household have a ...
V126	q04_01u	assets owned: car/truck/van	discrete	numeric	Did your household have a ...
V127	q04_01v	assets owned: canoe/boat w/o motor	discrete	numeric	Did your household have a ...
V128	q04_01w	assets owned: boat w/ motor	discrete	numeric	Did your household have a ...
V129	q04_01x	assets owned: generator	discrete	numeric	Did your household have a ...
V130	q04_01y	assets owned: solar panel	discrete	numeric	Did your household have a ...
V131	q04_01z	assets owned: computer/tablet	discrete	numeric	Did your household have a ...
V132	q04_02i	assets owned after disaster: water tank	discrete	numeric	Do you still have [ITEM] that works?
V133	q04_02j	assets owned after disaster: tv	discrete	numeric	Do you still have [ITEM] that works?
V134	q04_02k	assets owned after disaster: fridge	discrete	numeric	Do you still have [ITEM] that works?
V135	q04_02l	assets owned after disaster: freezer	discrete	numeric	Do you still have [ITEM] that works?
V136	q04_02m	assets owned after disaster: washing machine	discrete	numeric	Do you still have [ITEM] that works?
V137	q04_02n	assets owned after disaster: dvd	discrete	numeric	Do you still have [ITEM] that works?
V138	q04_02o	assets owned after disaster: microwave	discrete	numeric	Do you still have [ITEM] that works?
V139	q04_02p	assets owned after disaster: electric seqing machine	discrete	numeric	Do you still have [ITEM] that works?
V140	q04_02q	assets owned after disaster: ac	discrete	numeric	Do you still have [ITEM] that works?
V141	q04_02r	assets owned after disaster: water heater	discrete	numeric	Do you still have [ITEM] that works?
V142	q04_02s	assets owned after disaster: bike	discrete	numeric	Do you still have [ITEM] that works?
V143	q04_02t	assets owned after disaster: motorcycle/scooter	discrete	numeric	Do you still have [ITEM] that works?
V144	q04_02u	assets owned after disaster: car/truck/van	discrete	numeric	Do you still have [ITEM] that works?
V145	q04_02v	assets owned after disaster: canoe/boat w/o motor	discrete	numeric	Do you still have [ITEM] that works?
V146	q04_02w	assets owned after disaster: boat w/ motor	discrete	numeric	Do you still have [ITEM] that works?
V147	q04_02x	assets owned after disaster: generator	discrete	numeric	Do you still have [ITEM] that works?
V148	q04_02y	assets owned after disaster: solar panel	discrete	numeric	Do you still have [ITEM] that works?
V149	q04_02z	assets owned after disaster: computer/tablet	discrete	numeric	Do you still have [ITEM] that works?
V150	q04_03	how many active mobile phones in the household?	discrete	numeric	How many active mobile phones are owned by the members of this household?
V151	q04_04	how many active mobile phones 2 sims?	discrete	numeric	Out of these mobile phones, how many have two active SIM cards?"

V152	q04_05	bank account?	discrete	numeric	Does any member of this household have a bank account?
V153	q04_06	prior to disaster: internet?	discrete	numeric	Prior to the volcanic eruption and tsunami, did any member of your household have access to internet at home?
V154	q04_07	how many rooms used for sleeping prior to disaster?	discrete	numeric	Prior to the underwater volcanic eruption and tsunami, how many rooms do members of your household usually use for sleeping?
V155	q04_07a	type of living quarter	discrete	numeric	What type of living quarter is this?
V156	q04_07b	tenure of residence	discrete	numeric	What is the tenure of this house/dwelling/apartment?
V157	q04_08	prior to disaster: floor material	discrete	numeric	Prior to the underwater volcanic eruption and tsunami, what was the main material of the dwelling floor?
V158	q04_09	prior to disaster: roof material	discrete	numeric	Prior to the underwater volcanic eruption and tsunami, what was the main material of the roof?
V159	q04_10	prior to disaster: exterior walls material	discrete	numeric	Prior to the underwater volcanic eruption and tsunami, what was the main material of exterior walls?
V160	q04_11	prior to disaster: electricity access	discrete	numeric	Prior to the underwater volcanic eruption and tsunami, did your household have electricity?
V161	q04_12	prior to disaster: type of cookstove used	discrete	numeric	In your household, what type of cookstove was mainly used for cooking before the volcanic eruption?
V162	q04_13	prior to disaster: type of fuel energy used	discrete	numeric	What type of fuel or energy source was mainly used in this cookstove before the volcanic eruption?
V163	q04_14	prior to disaster: cooking done outside/main building	discrete	numeric	Was the cooking usually done in the house, in a separate building, or outdoors, before the volcanic eruption?
V164	q04_15	prior to disaster: light source	discrete	numeric	At night, what did your household mainly use to light the household before the volcanic eruption?
V165	q04_16	prior to disaster: drinking water source	discrete	numeric	What was the main source of drinking water used by members of your household before the volcanic eruption?
V166	q04_17	prior to disaster: water source location	discrete	numeric	Where was that water source located?
V167	q04_18	prior to disaster: distance to water source (mins)	contin	numeric	How long did it take for members of your household to go there, get water, and come back?
V168	q04_19	after disaster: drinking water source	discrete	numeric	What is the main source of drinking water used by members of your household now, after the volcanic eruption?
V169	q04_20	month prior to disaster: no sufficient drinking water	discrete	numeric	In the month prior to the volcanic eruption, was there any time when your household did not have sufficient quantities of drinking water?
V170	q04_21	prior to disaster: type of toilet facility used	discrete	numeric	Prior to the volcanic eruption, what kind of toilet facility did members of your household most usually use?
V171	q04_22	prior to disaster: shared toilet facility	discrete	numeric	Prior to the volcanic eruption and tsunami, did you share this facility with others who are not members of your household?

V172	q04_23	prior to disaster: handwashing	discrete	numeric	Prior to the volcanic eruption and tsunami, did you have any soap or detergent or ash/mud/sand in your house for washing hands?
V173	q05_01a	12 months prior to disaster: not enough food due to lack of money/other resourc	discrete	numeric	In the 12 months before the volcanic eruption and tsunami, was there a time when you worried or there were concerns that you or any other adult in the household would not have enough food to eat because of a lack of enough money or other resources?
V174	q05_01b	since the disaster: not enough food at least once	discrete	numeric	Did this happen at least once since the volcanic eruption and tsumani?
V175	q05_02a	12 months prior to disaster: no access to healthy/nutritious food	discrete	numeric	In the 12 months before the volcanic eruption and tsunami, was there any time when you or any other adult in your household were unable to eat healthy and nutritious / good food because of a lack of money or other resources?
V176	q05_02b	since the disaster: no access to healthy/nutritious food at least once	discrete	numeric	Did this happen at least once since the volcanic eruption and tsumani?
V177	q05_03a	12 months prior to disaster: ate only few kinds of food?	discrete	numeric	In the 12 months before the volcanic eruption and tsunami, were there periods when you or any other adult in your household had to eat only a few kinds of foods because of a lack of money or other resources?
V178	q05_03b	since the disaster: ate only few kinds of food at least once?	discrete	numeric	Did this happen at least once since the volcanic eruption and tsumani?
V179	q05_04a	12 months prior to disaster: skip a meal?	discrete	numeric	In the 12 months before the volcanic eruption and tsunami, was there any time when, because of a lack of money or other means to get food, you or any other adult in your household had to skip a meal?
V180	q05_04b	since the disaster: skipped a meal at least once?	discrete	numeric	Did this happen at least once since the volcanic eruption and tsumani?
V181	q05_05a	12 months prior to disaster: ate less than you should have?	discrete	numeric	In the 12 months before the volcanic eruption and tsunami, was there any time when, because of a lack of money or other resources to get food, you or any other adult in your households ate less than you thought you should?
V182	q05_05b	since the disaster: ate less than you should have at least once?	discrete	numeric	Did this happen at least once since the volcanic eruption and tsumani?
V183	q05_06a	12 months prior to disaster: ran out of food?	discrete	numeric	In the 12 months before the volcanic eruption and tsunami, did it ever happen that your household ran out of food because of a lack of money or other resources?
V184	q05_06b	since the disaster: ran out of food at least once?	discrete	numeric	Did this happen at least once since the volcanic eruption and tsumani?
V185	q05_07a	12 months prior to disaster: hungry but did not eat?	discrete	numeric	In the 12 months before the volcanic eruption and tsunami, was there any time when, because of a lack of money or other resources to get food, you or any other adult in your household were hungry but did not eat?
V186	q05_07b	since the disaster: hungry but did not eat at least once?	discrete	numeric	Did this happen at least once since the volcanic eruption and tsumani?

V187	q05_08a	12 months prior to disaster: whole day without eating?	discrete	numeric	In the 12 months before the volcanic eruption and tsunami, was there any time when, because of a lack of money or other resources to get food, you or any other adult in your household went without eating for a whole day?
V188	q05_08b	since the disaster: whole day without eating at least once?	discrete	numeric	Did this happen at least once since the volcanic eruption and tsunami?
V189	q06_01	during disaster: were you injured?	discrete	numeric	During the volcanic eruption and tsunami, were you or any member of your household injured?
V190	q06_02	during disaster: were you able to access medical treatment?	discrete	numeric	Were you or that member of your household able to access medical treatment for that injury?
V191	q06_04	since disaster: difficulty breathing?	discrete	numeric	Since the volcanic eruption and tsunami, have you or any member of your household had difficulty breathing to the point where he or she needed medical treatment?
V192	q06_05	since disaster: have you needed medical assistance?	discrete	numeric	Excluding injuries suffered during the volcanic eruption and tsunami, have you or any member of your household needed any medical care since the volcanic eruption?
V193	q06_06	since disaster: were you able to access medical treatment?	discrete	numeric	Were you or that member of your household able to access medical treatment?
V194	q06_07	since disaster: reasons for no access to medical treatment	discrete	numeric	What was the main reason you or that member of your household were not able to access medical treatment?
V195	q07_01	was your residence damaged during disaster?	discrete	numeric	Was your dwelling lost or damaged in the tsunami?
V196	q07_02	since disaster: sold assets	discrete	numeric	Has your household had to take any of the following actions since the volcanic eruption and tsunami: Sell assets?
V197	q07_03	since disaster: sold handicrafts	discrete	numeric	Has your household had to take any of the following actions since the volcanic eruption and tsunami: Sell handicrafts?
V198	q07_04	since disaster: sold livestock	discrete	numeric	Has your household had to take any of the following actions since the volcanic eruption and tsunami: Sell livestock?
V199	q07_05	since disaster: start/increase fishing	discrete	numeric	Has your household had to take any of the following actions since the volcanic eruption and tsunami: Start or increase fishing activities?
V200	q07_06	since disaster: find ways to earn extra money	discrete	numeric	Has your household had to take any of the following actions since the volcanic eruption and tsunami: Find ways to earn extra money?
V201	q07_07	since disaster: receive cash or borrow from friends/family	discrete	numeric	Has your household had to take any of the following actions since the volcanic eruption and tsunami: Receive cash or borrow from friends or family?
V202	q07_08	since disaster: other assistance from friends/family	discrete	numeric	Has your household had to take any of the following actions since the volcanic eruption and tsunami: Receive other assistance from friends or family?
V203	q07_09	since disaster: assistance from church/other religious body	discrete	numeric	Has your household had to take any of the following actions since the volcanic eruption and tsunami: Receive assistance from church or other religious body?

V204	q07_10	since disaster: loan from financial institution	discrete	numeric	Has your household had to take any of the following actions since the volcanic eruption and tsunami: Take a loan from a formal financial institution?
V205	q07_11	since disaster: loan from moneylender/saving group	discrete	numeric	Has your household had to take any of the following actions since the volcanic eruption and tsunami: Take a loan from an informal moneylender or saving group?
V206	q07_12	since disaster: credit purchase	discrete	numeric	Has your household had to take any of the following actions since the volcanic eruption and tsunami: Purchase items on credit?
V207	q07_13	since disaster: delayed repayments	discrete	numeric	Has your household had to take any of the following actions since the volcanic eruption and tsunami: Delay making re-payments?
V208	q07_14	since disaster: sell harvest in advance	discrete	numeric	Has your household had to take any of the following actions since the volcanic eruption and tsunami: Sell harvest in advance?
V209	q07_15	since disaster: reduced food consumption	discrete	numeric	Has your household had to take any of the following actions since the volcanic eruption and tsunami: Reduce food consumption?
V210	q07_16	since disaster: reduced non-food consumption	discrete	numeric	Has your household had to take any of the following actions since the volcanic eruption and tsunami: Reduce non-food consumption?
V211	q07_17	since disaster: savings spending	discrete	numeric	Has your household had to take any of the following actions since the volcanic eruption and tsunami: Spend from savings?
V212	q07_18	since disaster: assistance from community groups/chiefs/kinship ties	discrete	numeric	Has your household had to take any of the following actions since the volcanic eruption and tsunami: Receive assistance from community groups, chiefs, kinship ties?
V213	q07_19	since disaster: assistance from ngo	discrete	numeric	Has your household had to take any of the following actions since the volcanic eruption and tsunami: Receive assistance from NGO?
V214	q07_20	since disaster: advance from employer	discrete	numeric	Has your household had to take any of the following actions since the volcanic eruption and tsunami: Take an advance from an employer?
V215	q07_21	since disaster: reduce number of children attending school	discrete	numeric	Has your household had to take any of the following actions since the volcanic eruption and tsunami: Reduce the number of children attending school?
V216	q07_22	since disaster: assistance from government	discrete	numeric	Has your household had to take any of the following actions since the volcanic eruption and tsunami: Receive government assistance?
V217	q07_23a	government assistance through: elderly program	discrete	numeric	Has your household received assistance from the government through elderly benefit program?
V218	q07_23b	government assistance through: disability program	discrete	numeric	Has your household received assistance from the government through a disability benefit program?
V219	q07_23c	government assistance through: hs students/set project	discrete	numeric	Has your household received money assistance from the government to high school students / SET project?
V220	q07_23d	government assistance through: disaster response	discrete	numeric	Has your household received assistance from the government in response to the volcanic eruption and tsunami?

V221	q07_24	since disaster: has the household had to take other actions?	discrete	numeric	Has the household had to take other actions since the volcanic eruption and tsunami
V222	q07_25_1	assistance type: food access	discrete	numeric	What forms of assistance do you think would be most beneficial to Tongan households to cope with the after effects of the volcanic eruption and tsunami?
V223	q07_25_2	assistance type: water access	discrete	numeric	What forms of assistance do you think would be most beneficial to Tongan households to cope with the after effects of the volcanic eruption and tsunami?
V224	q07_25_3	assistance type: temporary housing	discrete	numeric	What forms of assistance do you think would be most beneficial to Tongan households to cope with the after effects of the volcanic eruption and tsunami?
V225	q07_25_4	assistance type: clothing and household supplies	discrete	numeric	What forms of assistance do you think would be most beneficial to Tongan households to cope with the after effects of the volcanic eruption and tsunami?
V226	q07_25_5	assistance type: medicine and health services	discrete	numeric	What forms of assistance do you think would be most beneficial to Tongan households to cope with the after effects of the volcanic eruption and tsunami?
V227	q07_25_6	assistance type: cash/cash for work/government assistance	discrete	numeric	What forms of assistance do you think would be most beneficial to Tongan households to cope with the after effects of the volcanic eruption and tsunami?
V228	q07_25_7	assistance type: transport access	discrete	numeric	What forms of assistance do you think would be most beneficial to Tongan households to cope with the after effects of the volcanic eruption and tsunami?
V229	q07_25_96	assistance type: other	discrete	numeric	What forms of assistance do you think would be most beneficial to Tongan households to cope with the after effects of the volcanic eruption and tsunami?
V230	q08_01	did you receive early warning system before disaster?	discrete	numeric	Did you receive a warning through an early warning system prior to the tsunami?
V231	q08_02	property insurance?	discrete	numeric	Do you or anyone in your household have property insurance?
V232	q08_03	reasons for no property insurance	discrete	numeric	Why not?
V233	q08_04	are you expecting to receive a payout from your insurance	discrete	numeric	Are you expecting to receive a payout from your insurance policy as a result of the volcanic eruption and tsunami?
V234	q08_05	reasons for no payout from insurance	discrete	numeric	Why not?
V235	q08_06	are you receiving updates about what is being done to help the affected populat	discrete	numeric	Are you receiving current updates about what is being done to help the affected population?
V236	q08_07	main source of information on disaster relief updates	discrete	numeric	What is your main source of information?

V237	q09_01	recontact within next month?	discrete	numeric	We would like to call you again within the next months as a follow up of this study about the volcanic eruption and tsunami and to hear how your family is doing. If you agree, could I call you on this number or, could you provide me with another phone number where I could reach you? If you do not want me to call you back, we will delete your Information after 3 months, otherwise we will keep your Information for [12] months. Do you agree that we may call you back within the next months?
V238	q09_02	alternative number?	discrete	numeric	Could we have another alternative number to call?



## household id (hhid)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Continuous	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 8	
Decimals: 0	
Range: 67600004-67668099	

**Description**

Unique household identifier.

## interview date (date\_int)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: character	Invalid: 0
Width: 8	

## division (division)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: character	Invalid: 0
Width: 12	

## groups of five islands (island\_group)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 3
Range: 1-3	

## urban or rural (urban)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

## household weights wave 1 (weight)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Continuous	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 7	
Decimals: 4	
Range: 2.02779811170654-45.9224109466155	

**Description**

Final household sampling weight

wealth index score (wealth\_index)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Continuous	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 18	
Decimals: 0	
Range: -0.744431674480438-1.583251953125	

**Description**

Wealth index calculated using Demographic and Health Survey (DHS)

10 deciles of mics wealth index (wealth\_decile)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 2	Minimum: 1
Decimals: 0	Maximum: 10
Range: 1-10	

wealth quintile (wealth\_quint)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 5
Range: 1-5	

household size (hhsiz)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Continuous	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 2	Minimum: 1
Decimals: 0	Maximum: 25
Range: 1-25	Mean: 7

**Description**

Number of household members per household

## household size groups (hhsiz\_group)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 5
Range: 1-5	

## respondent sex (sex)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

**Literal question**

WHAT IS THE SEX OF THE RESPONDENT

**Interviewer instructions**

CONFIRM IF UNSURE

## are you over 18 years of age? (q01\_04)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Continuous	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 2	Minimum: 18
Decimals: 0	Maximum: 81
Range: 18-81	

**Literal question**

How old are you?

## respondent's relationship to the household head (q02\_02)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 2	Minimum: 1
Decimals: 0	Maximum: 15
Range: 1-15	

**Literal question**

What is your relationship to the head of the household?

## household head age (q02\_03)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Continuous  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 18-99

Valid cases: 2527  
 Invalid: 0  
 Minimum: 18  
 Maximum: 99  
 Mean: 51.3

#### Literal question

Can you tell me the age of the head of the household please?

### household head sex (head\_sex)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

### households with children younger than 5 (q02\_06)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

Are there any children 5 years of age or younger who live in the household?

### households with children ages 6-14 (q02\_07)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

Are there any children in the age group 6-14 who live in the household?

### household with servants (q02\_08)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

Are any of those living in the household, live-in servants?

## respondent's highest level of education' (q02\_09)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 2	Minimum: 1
Decimals: 0	Maximum: 96
Range: 1-96	

**Literal question**

What is the highest level of education you have attended?

## respondent's marital status (q02\_10)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 6
Range: 1-6	

**Literal question**

What is your marital status?

## respondent's current residence' (residence)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 4	Minimum: 6761
Decimals: 0	Maximum: 6765
Range: 6761-6765	

## district (q02\_12)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 5	Minimum: 67611
Decimals: 0	Maximum: 67651
Range: 67611-67651	

## respondent's current village residence (q02\_13)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 7	Minimum: 6761101
Decimals: 0	Maximum: 6765103
Range: 6761101-6765208	

**Literal question**

In what village are you currently living?

did your household move as a result of the volcanic eruption and/or tsunami? (q02\_15)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

**Literal question**

Did your household move as a result of the volcanic eruption and tsunami?

did your household move within the same village? (q02\_16)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 523
Format: numeric	Invalid: 2004
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

**Literal question**

Did your household move within the same village?

did your household move within the same island group? (q02\_18)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 347
Format: numeric	Invalid: 2180
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

**Literal question**

Did your household move within the same island group?

in what island group did your household live before eruption or tsunami? (q02\_19)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 347
Format: numeric	Invalid: 2180
Width: 4	Minimum: 6761
Decimals: 0	Maximum: 6764
Range: 6761-6765	

**Literal question**

In what island group were you living before the volcanic eruption and tsunami?

in what village did your household live before eruption or tsunami?  
(q02\_21)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete	Valid cases: 347
Format: numeric	Invalid: 2180
Width: 7	Minimum: 6761101
Decimals: 0	Maximum: 6764207
Range: 6761101-6765208	

#### Literal question

In what village were you living before the volcanic eruption and tsunami?

handicraft business? (q03\_01)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

#### Literal question

Do you or any household member operate a handicraft business? This is, produce handicrafts intended mainly for sale?

handicraft income compared to before natural disasters? (q03\_02)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete	Valid cases: 828
Format: numeric	Invalid: 1699
Width: 1	Minimum: 1
Decimals: 0	Maximum: 5
Range: 1-5	

#### Literal question

Compared to prior to the volcanic eruption and tsunami, is the income from the handicraft business expected to be...

grow or harvest crops? (q03\_05)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

#### Literal question

Do you or any member of your household grow or harvest crops either for home consumption or sale?

## acres of land owned (q03\_06)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 1453
Format: numeric	Invalid: 1074
Width: 2	Minimum: -1
Decimals: 0	Maximum: 95
Range: -1-95	

**Literal question**

How many acres of agricultural land do members of this household own?

## sources of agricultural income: root crops (q03\_07a)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 1453
Format: numeric	Invalid: 1074
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

**Literal question**

What type of crops are grown by this household?

## sources of agricultural income: fruit crops (q03\_07b)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 1448
Format: numeric	Invalid: 1079
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

**Literal question**

What type of crops are grown by this household?

## sources of agricultural income: vegetable crops (q03\_07c)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 1449
Format: numeric	Invalid: 1078
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

**Literal question**

What type of crops are grown by this household?

## sources of agricultural income: cash crops (q03\_07d)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 1448  
 Invalid: 1079  
 Minimum: 1  
 Maximum: 2

#### Literal question

What type of crops are grown by this household?

purpose of crop production (q03\_08)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 1-96

Valid cases: 1453  
 Invalid: 1074  
 Minimum: 1  
 Maximum: 96

#### Literal question

The crops produced by your household are mainly...

since the natural disaster, has your ability to grow crops been disrupted? (q03\_09)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 1453  
 Invalid: 1074  
 Minimum: 1  
 Maximum: 2

#### Literal question

Since the volcanic eruption and tsunami, has your household's ability to grow crops been disrupted?

reasons for disruption: ash (q03\_10\_1)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 10  
 Decimals: 0  
 Range: 0-2147483647

Valid cases: 2527  
 Invalid: 0  
 Minimum: 0  
 Maximum: 1

#### Literal question

What are the main reasons why you were not able to farm as before the tsunami?

reasons for disruption: lack of water (q03\_10\_2)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 10  
 Decimals: 0  
 Range: 0-2147483647

Valid cases: 2527  
 Invalid: 0  
 Minimum: 0  
 Maximum: 1

#### Literal question

What are the main reasons why you were not able to farm as before the tsunami?

reasons for disruption: air pollution (q03\_10\_3)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 10  
 Decimals: 0  
 Range: 0-2147483647

Valid cases: 2527  
 Invalid: 0  
 Minimum: 0  
 Maximum: 1

#### Literal question

What are the main reasons why you were not able to farm as before the tsunami?

reasons for disruption: loss of farming implements (q03\_10\_4)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 10  
 Decimals: 0  
 Range: 0-2147483647

Valid cases: 2527  
 Invalid: 0  
 Minimum: 0  
 Maximum: 1

#### Literal question

What are the main reasons why you were not able to farm as before the tsunami?

reasons for disruption: advised to stay home (q03\_10\_5)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 10  
 Decimals: 0  
 Range: 0-2147483647

Valid cases: 2527  
 Invalid: 0  
 Minimum: 0  
 Maximum: 1

#### Literal question

What are the main reasons why you were not able to farm as before the tsunami?

reasons for disruption: reduced availability of labor (q03\_10\_6)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 10  
 Decimals: 0  
 Range: 0-2147483647

Valid cases: 2527  
 Invalid: 0  
 Minimum: 0  
 Maximum: 1

**Literal question**

What are the main reasons why you were not able to farm as before the tsunami?

reasons for disruption: restriction on movement/travel (q03\_10\_7)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 10	Minimum: 0
Decimals: 0	Maximum: 1
Range: 0-2147483647	

**Literal question**

What are the main reasons why you were not able to farm as before the tsunami?

reasons for disruption: unable to aquire/transport inputs (q03\_10\_8)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 10	Minimum: 0
Decimals: 0	Maximum: 1
Range: 0-2147483647	

**Literal question**

What are the main reasons why you were not able to farm as before the tsunami?

reasons for disruption: unable to sell/transport outputs (q03\_10\_9)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 10	Minimum: 0
Decimals: 0	Maximum: 1
Range: 0-2147483647	

**Literal question**

What are the main reasons why you were not able to farm as before the tsunami?

reasons for disruption: care for disabled (q03\_10\_10)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 10	Minimum: 0
Decimals: 0	Maximum: 0
Range: 0-2147483647	

**Literal question**

What are the main reasons why you were not able to farm as before the tsunami?

## reasons for disruption: care for children (q03\_10\_11)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 10	Minimum: 0
Decimals: 0	Maximum: 1
Range: 0-2147483647	

**Literal question**

What are the main reasons why you were not able to farm as before the tsunami?

## reasons for disruption: increased input price (q03\_10\_12)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 10	Minimum: 0
Decimals: 0	Maximum: 1
Range: 0-2147483647	

**Literal question**

What are the main reasons why you were not able to farm as before the tsunami?

## reasons for disruption: bad weather (q03\_10\_13)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 10	Minimum: 0
Decimals: 0	Maximum: 1
Range: 0-2147483647	

**Literal question**

What are the main reasons why you were not able to farm as before the tsunami?

## agricultural income compared to previous season (q03\_11)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 1453
Format: numeric	Invalid: 1074
Width: 1	Minimum: 1
Decimals: 0	Maximum: 4
Range: 1-5	

**Literal question**

Compared to the last agricultural season, this season the income from farming is expected to be...

## raising livestock? (q03\_12)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

Do you or any member of your household raise livestock either for home consumption or sale?

livestock owned: chickens (q03\_13a)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 1583  
 Invalid: 944  
 Minimum: 1  
 Maximum: 2

livestock owned: ducks (q03\_13b)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 1579  
 Invalid: 948  
 Minimum: 1  
 Maximum: 2

livestock owned: pigs (q03\_13c)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 1584  
 Invalid: 943  
 Minimum: 1  
 Maximum: 2

livestock owned: cows/cattle/bulls (q03\_13d)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 1582  
 Invalid: 945  
 Minimum: 1  
 Maximum: 2

livestock owned: goats (q03\_13e)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 1580  
 Invalid: 947  
 Minimum: 1  
 Maximum: 2

livestock owned: sheep (q03\_13f)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 1579  
 Invalid: 948  
 Minimum: 1  
 Maximum: 2

livestock owned: horses/donkey (q03\_13g)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 1579  
 Invalid: 948  
 Minimum: 1  
 Maximum: 2

number of milk cows/bulls owned (q03\_14)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: -1-95

Valid cases: 329  
 Invalid: 2198  
 Minimum: -1  
 Maximum: 95  
 Mean: 4.1

#### Literal question

How many milk cows or bulls are owned by this household?

number of other cattle owned (q03\_15)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: -1-29

Valid cases: 329  
 Invalid: 2198  
 Minimum: -1  
 Maximum: 29  
 Mean: 1.8

#### Literal question

How many other cattle are owned by this household?

## purpose of raising livestock (q03\_16)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 1585
Format: numeric	Invalid: 942
Width: 2	Minimum: 1
Decimals: 0	Maximum: 96
Range: 1-96	

**Literal question**

The livestock raised by this household are mainly...

## since the natural disaster, has your ability to raise livestock been disrupted? (q03\_17)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 1585
Format: numeric	Invalid: 942
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

**Literal question**

Since the volcanic eruption and tsunami, has your household's ability to raise livestock been disrupted?

## reasons for disruption: livestock died (q03\_18\_1)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 10	Minimum: 0
Decimals: 0	Maximum: 1
Range: 0-2147483647	

**Literal question**

What are the main reasons why you were not able to raise livestock as before the tsunami?

## reasons for disruption: advised to stay home (q03\_18\_2)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 10	Minimum: 0
Decimals: 0	Maximum: 1
Range: 0-2147483647	

**Literal question**

What are the main reasons why you were not able to raise livestock as before the tsunami?

## reasons for disruption: reduced labor (q03\_18\_3)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 10  
 Decimals: 0  
 Range: 0-2147483647

Valid cases: 2527  
 Invalid: 0  
 Minimum: 0  
 Maximum: 1

**Literal question**

What are the main reasons why you were not able to raise livestock as before the tsunami?

reasons for disruption: restriction on travel (q03\_18\_4)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 10  
 Decimals: 0  
 Range: 0-2147483647

Valid cases: 2527  
 Invalid: 0  
 Minimum: 0  
 Maximum: 1

**Literal question**

What are the main reasons why you were not able to raise livestock as before the tsunami?

reasons for disruption: unable to aquire/transport inputs (q03\_18\_5)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 10  
 Decimals: 0  
 Range: 0-2147483647

Valid cases: 2527  
 Invalid: 0  
 Minimum: 0  
 Maximum: 1

**Literal question**

What are the main reasons why you were not able to raise livestock as before the tsunami?

reasons for disruption: unable to sell/transport outputs (q03\_18\_6)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 10  
 Decimals: 0  
 Range: 0-2147483647

Valid cases: 2527  
 Invalid: 0  
 Minimum: 0  
 Maximum: 1

**Literal question**

What are the main reasons why you were not able to raise livestock as before the tsunami?

reasons for disruption: care for disabled (q03\_18\_7)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 10  
 Decimals: 0  
 Range: 0-2147483647

Valid cases: 2527  
 Invalid: 0  
 Minimum: 0  
 Maximum: 1

#### Literal question

What are the main reasons why you were not able to raise livestock as before the tsunami?

reasons for disruption: care for children (q03\_18\_8)  
 File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 10  
 Decimals: 0  
 Range: 0-2147483647

Valid cases: 2527  
 Invalid: 0  
 Minimum: 0  
 Maximum: 1

#### Literal question

What are the main reasons why you were not able to raise livestock as before the tsunami?

reasons for disruption: increased input prices (q03\_18\_9)  
 File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 10  
 Decimals: 0  
 Range: 0-2147483647

Valid cases: 2527  
 Invalid: 0  
 Minimum: 0  
 Maximum: 1

#### Literal question

What are the main reasons why you were not able to raise livestock as before the tsunami?

reasons for disruption: bad weather (q03\_18\_10)  
 File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 10  
 Decimals: 0  
 Range: 0-2147483647

Valid cases: 2527  
 Invalid: 0  
 Minimum: 0  
 Maximum: 1

#### Literal question

What are the main reasons why you were not able to raise livestock as before the tsunami?

reasons for disruption: other (q03\_18\_96)  
 File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 10  
 Decimals: 0  
 Range: 0-2147483647

Valid cases: 2527  
 Invalid: 0  
 Minimum: 0  
 Maximum: 1

**Literal question**

What are the main reasons why you were not able to raise livestock as before the tsunami?

livestock income compared to previous season (q03\_19)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 1585
Format: numeric	Invalid: 942
Width: 1	Minimum: 1
Decimals: 0	Maximum: 4
Range: 1-5	

**Literal question**

Compared to last year, this year is the income from raising livestock expected to be...

catching fish? (q03\_20)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

**Literal question**

Do you or any member of your household catch fish either for home consumption or sale?

purpose of catching fish (q03\_21)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 487
Format: numeric	Invalid: 2040
Width: 2	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-96	

**Literal question**

The fish caught by this household are mainly...

since the natural disaster, has your ability to fish been disrupted?  
(q03\_22)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 487
Format: numeric	Invalid: 2040
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

**Literal question**

Since the volcanic eruption and tsunami, has your household's ability to fish been disrupted?

## reasons for disruption: air pollution (q03\_23\_1)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 10	Minimum: 0
Decimals: 0	Maximum: 1
Range: 0-2147483647	

**Literal question**

What are the main reasons why you were not able to fish as before the tsunami?

## reasons for disruption: loss of boat (q03\_23\_2)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 10	Minimum: 0
Decimals: 0	Maximum: 1
Range: 0-2147483647	

**Literal question**

What are the main reasons why you were not able to fish as before the tsunami?

## reasons for disruption: loss of nets (q03\_23\_3)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 10	Minimum: 0
Decimals: 0	Maximum: 1
Range: 0-2147483647	

**Literal question**

What are the main reasons why you were not able to fish as before the tsunami?

## reasons for disruption: seas too rough (q03\_23\_4)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 10	Minimum: 0
Decimals: 0	Maximum: 1
Range: 0-2147483647	

**Literal question**

What are the main reasons why you were not able to fish as before the tsunami?

## reasons for disruption: afraid to go into ocean (q03\_23\_5)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 10  
 Decimals: 0  
 Range: 0-2147483647

Valid cases: 2527  
 Invalid: 0  
 Minimum: 0  
 Maximum: 1

#### Literal question

What are the main reasons why you were not able to fish as before the tsunami?

reasons for disruption: fad washed away (q03\_23\_6)  
 File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 10  
 Decimals: 0  
 Range: 0-2147483647

Valid cases: 2527  
 Invalid: 0  
 Minimum: 0  
 Maximum: 1

#### Literal question

What are the main reasons why you were not able to fish as before the tsunami?

reasons for disruption: no fish (q03\_23\_7)  
 File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 10  
 Decimals: 0  
 Range: 0-2147483647

Valid cases: 2527  
 Invalid: 0  
 Minimum: 0  
 Maximum: 1

#### Literal question

What are the main reasons why you were not able to fish as before the tsunami?

reasons for disruption: advised to stay home (q03\_23\_8)  
 File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 10  
 Decimals: 0  
 Range: 0-2147483647

Valid cases: 2527  
 Invalid: 0  
 Minimum: 0  
 Maximum: 1

#### Literal question

What are the main reasons why you were not able to fish as before the tsunami?

reasons for disruption: restriction on movement (q03\_23\_9)  
 File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 10  
 Decimals: 0  
 Range: 0-2147483647

Valid cases: 2527  
 Invalid: 0  
 Minimum: 0  
 Maximum: 0

**Literal question**

What are the main reasons why you were not able to fish as before the tsunami?

reasons for disruption: unable to aquire/transport inputs (q03\_23\_10)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 10	Minimum: 0
Decimals: 0	Maximum: 1
Range: 0-2147483647	

**Literal question**

What are the main reasons why you were not able to fish as before the tsunami?

reasons for disruption: unable to sell/transport outputs (q03\_23\_11)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 10	Minimum: 0
Decimals: 0	Maximum: 1
Range: 0-2147483647	

**Literal question**

What are the main reasons why you were not able to fish as before the tsunami?

reasons for disruption: care for disabled (q03\_23\_12)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 10	Minimum: 0
Decimals: 0	Maximum: 1
Range: 0-2147483647	

**Literal question**

What are the main reasons why you were not able to fish as before the tsunami?

reasons for disruption: bad weather (q03\_23\_13)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 10	Minimum: 0
Decimals: 0	Maximum: 1
Range: 0-2147483647	

**Literal question**

What are the main reasons why you were not able to fish as before the tsunami?

## fishery income compared to last year (q03\_24)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 487
Format: numeric	Invalid: 2040
Width: 1	Minimum: 1
Decimals: 0	Maximum: 4
Range: 1-5	

**Literal question**

Compared to last year, is the income from the fishing expected to be...

## wage employment (q03\_24a)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

**Literal question**

Do you or any member of your household work for an employer for a wage or salary?

## wage income compared to before natural disasters (q03\_24b)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 1609
Format: numeric	Invalid: 918
Width: 1	Minimum: 1
Decimals: 0	Maximum: 3
Range: 1-3	

**Literal question**

Compared to prior to the volcanic eruption and tsunami, is the income from this/these job/s expected to be...

## non-farming business (q03\_24c)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

**Literal question**

Do you or any member of your household operate a non-farming business other than handicrafts?

## non-farming income compared to before natural disasters (q03\_24d)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-5

Valid cases: 528  
 Invalid: 1999  
 Minimum: 1  
 Maximum: 5

#### Literal question

Compared to prior to the volcanic eruption and tsunami, is the income from the family business expected to be...

### remittances before natural disasters (q03\_25)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

Prior to the volcanic eruption and tsunami, did your household usually receive money from someone who lives elsewhere in Tonga or abroad?

### remittances from within tonga (q03\_26a)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 1942  
 Invalid: 585  
 Minimum: 1  
 Maximum: 2

#### Literal question

From which country does your household typically receive money?

### remittances from australia (q03\_26b)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 1945  
 Invalid: 582  
 Minimum: 1  
 Maximum: 2

#### Literal question

From which country does your household typically receive money?

### remittances from new zealand (q03\_26c)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 1943  
 Invalid: 584  
 Minimum: 1  
 Maximum: 2

#### Literal question

From which country does your household typically receive money?

remittances from united states (q03\_26d)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 1943  
 Invalid: 584  
 Minimum: 1  
 Maximum: 2

#### Literal question

From which country does your household typically receive money?

remittances from other countries (q03\_26z)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 1941  
 Invalid: 586  
 Minimum: 2  
 Maximum: 2

#### Literal question

From which country does your household typically receive money?

remittances income compared to before natural disasters (q03\_27)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-5

Valid cases: 1948  
 Invalid: 579  
 Minimum: 1  
 Maximum: 4

#### Literal question

Compared to prior to the volcanic eruption and tsunamis, the money received by your household was ...

assets owned: telephone line (q04\_01a)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

**Literal question**

Did your household have a ...

**Interviewer instructions**

I am going to ask you a series of questions about items you or your household may have had prior to the underwater volcanic eruption and tsunami. We use this information to better understand the baseline conditions in the household.

For now, please refer to the time before the volcanic eruption and tsunami.

assets owned: radio (q04\_01b)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

**Literal question**

Did your household have a ...

**Interviewer instructions**

For now, please refer to the time before the volcanic eruption and tsunami.

assets owned: sofa (q04\_01c)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

**Literal question**

Did your household have a ...

**Interviewer instructions**

For now, please refer to the time before the volcanic eruption and tsunami.

assets owned: bed (q04\_01d)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

**Literal question**

Did your household have a ...

**Interviewer instructions**

For now, please refer to the time before the volcanic eruption and tsunami.

## assets owned: table (q04\_01e)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

**Literal question**

Did your household have a ...

**Interviewer instructions**

For now, please refer to the time before the volcanic eruption and tsunami.

## assets owned: chair (q04\_01f)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

**Literal question**

Did your household have a ...

**Interviewer instructions**

For now, please refer to the time before the volcanic eruption and tsunami.

## assets owned: cupboard/cabinet (q04\_01g)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

**Literal question**

Did your household have a ...

**Interviewer instructions**

For now, please refer to the time before the volcanic eruption and tsunami.

## assets owned: wrist watch (q04\_01h)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

**Literal question**

Did your household have a ...

**Interviewer instructions**

For now, please refer to the time before the volcanic eruption and tsunami.

assets owned: water tank (q04\_01i)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

**Literal question**

Did your household have a ...

**Interviewer instructions**

For now, please refer to the time before the volcanic eruption and tsunami.

assets owned: tv (q04\_01j)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

**Literal question**

Did your household have a ...

**Interviewer instructions**

For now, please refer to the time before the volcanic eruption and tsunami.

assets owned: fridge (q04\_01k)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

**Literal question**

Did your household have a ...

**Interviewer instructions**

For now, please refer to the time before the volcanic eruption and tsunami.

assets owned: freezer (q04\_01l)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

Did your household have a ...

#### Interviewer instructions

For now, please refer to the time before the volcanic eruption and tsunami.

assets owned: washing machine (q04\_01m)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

Did your household have a ...

#### Interviewer instructions

For now, please refer to the time before the volcanic eruption and tsunami.

assets owned: dvd (q04\_01n)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

Did your household have a ...

#### Interviewer instructions

For now, please refer to the time before the volcanic eruption and tsunami.

assets owned: microwave (q04\_01o)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

Did your household have a ...

#### Interviewer instructions

For now, please refer to the time before the volcanic eruption and tsunami.

assets owned: electric seqing machine (q04\_01p)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

**Literal question**

Did your household have a ...

**Interviewer instructions**

For now, please refer to the time before the volcanic eruption and tsunami.

assets owned: ac (q04\_01q)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

**Literal question**

Did your household have a ...

**Interviewer instructions**

For now, please refer to the time before the volcanic eruption and tsunami.

assets owned: water heater (q04\_01r)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

**Literal question**

Did your household have a ...

**Interviewer instructions**

For now, please refer to the time before the volcanic eruption and tsunami.

assets owned: bike (q04\_01s)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

**Literal question**

Did your household have a ...

**Interviewer instructions**

For now, please refer to the time before the volcanic eruption and tsunami.

assets owned: motorcycle/scooter (q04\_01t)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

**Literal question**

Did your household have a ...

**Interviewer instructions**

For now, please refer to the time before the volcanic eruption and tsunami.

assets owned: car/truck/van (q04\_01u)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

**Literal question**

Did your household have a ...

**Interviewer instructions**

For now, please refer to the time before the volcanic eruption and tsunami.

assets owned: canoe/boat w/o motor (q04\_01v)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

**Literal question**

Did your household have a ...

**Interviewer instructions**

For now, please refer to the time before the volcanic eruption and tsunami.

assets owned: boat w/ motor (q04\_01w)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

Did your household have a ...

#### Interviewer instructions

For now, please refer to the time before the volcanic eruption and tsunami.

assets owned: generator (q04\_01x)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

Did your household have a ...

#### Interviewer instructions

For now, please refer to the time before the volcanic eruption and tsunami.

assets owned: solar panel (q04\_01y)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

Did your household have a ...

#### Interviewer instructions

For now, please refer to the time before the volcanic eruption and tsunami.

assets owned: computer/tablet (q04\_01z)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

Did your household have a ...

#### Interviewer instructions

For now, please refer to the time before the volcanic eruption and tsunami.

## assets owned after disaster: water tank (q04\_02i)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 1918
Format: numeric	Invalid: 609
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

**Literal question**

Do you still have [ITEM] that works?

## assets owned after disaster: tv (q04\_02j)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 1677
Format: numeric	Invalid: 850
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

**Literal question**

Do you still have [ITEM] that works?

## assets owned after disaster: fridge (q04\_02k)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 1547
Format: numeric	Invalid: 980
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

**Literal question**

Do you still have [ITEM] that works?

## assets owned after disaster: freezer (q04\_02l)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 1756
Format: numeric	Invalid: 771
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

**Literal question**

Do you still have [ITEM] that works?

## assets owned after disaster: washing machine (q04\_02m)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2187  
 Invalid: 340  
 Minimum: 1  
 Maximum: 2

#### Literal question

Do you still have [ITEM] that works?

assets owned after disaster: dvd (q04\_02n)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 1085  
 Invalid: 1442  
 Minimum: 1  
 Maximum: 2

#### Literal question

Do you still have [ITEM] that works?

assets owned after disaster: microwave (q04\_02o)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 678  
 Invalid: 1849  
 Minimum: 1  
 Maximum: 2

#### Literal question

Do you still have [ITEM] that works?

assets owned after disaster: electric seqing machine (q04\_02p)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 498  
 Invalid: 2029  
 Minimum: 1  
 Maximum: 2

#### Literal question

Do you still have [ITEM] that works?

assets owned after disaster: ac (q04\_02q)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 106  
 Invalid: 2421  
 Minimum: 1  
 Maximum: 2

**Literal question**

Do you still have [ITEM] that works?

assets owned after disaster: water heater (q04\_02r)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 336
Format: numeric	Invalid: 2191
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

**Literal question**

Do you still have [ITEM] that works?

assets owned after disaster: bike (q04\_02s)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 596
Format: numeric	Invalid: 1931
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

**Literal question**

Do you still have [ITEM] that works?

assets owned after disaster: motorcycle/scooter (q04\_02t)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 133
Format: numeric	Invalid: 2394
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

**Literal question**

Do you still have [ITEM] that works?

assets owned after disaster: car/truck/van (q04\_02u)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2048
Format: numeric	Invalid: 479
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

**Literal question**

Do you still have [ITEM] that works?

## assets owned after disaster: canoe/boat w/o motor (q04\_02v)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 65
Format: numeric	Invalid: 2462
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

**Literal question**

Do you still have [ITEM] that works?

## assets owned after disaster: boat w/ motor (q04\_02w)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 125
Format: numeric	Invalid: 2402
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

**Literal question**

Do you still have [ITEM] that works?

## assets owned after disaster: generator (q04\_02x)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 274
Format: numeric	Invalid: 2253
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

**Literal question**

Do you still have [ITEM] that works?

## assets owned after disaster: solar panel (q04\_02y)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 110
Format: numeric	Invalid: 2417
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

**Literal question**

Do you still have [ITEM] that works?

## assets owned after disaster: computer/tablet (q04\_02z)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 1183  
 Invalid: 1344  
 Minimum: 1  
 Maximum: 2

#### Literal question

Do you still have [ITEM] that works?

how many active mobile phones in the household? (q04\_03)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 1-12

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 12  
 Mean: 3.4

#### Literal question

How many active mobile phones are owned by the members of this household?

how many active mobile phones 2 sims? (q04\_04)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 0-10

Valid cases: 2527  
 Invalid: 0  
 Minimum: 0  
 Maximum: 10  
 Mean: 1.3

#### Literal question

Out of these mobile phones, how many have two active SIM cards?"

bank account? (q04\_05)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

Does any member of this household have a bank account?

prior to disaster: internet? (q04\_06)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

**Literal question**

Prior to the volcanic eruption and tsunami, did any member of your household have access to internet at home?

**Interviewer instructions**

I will now ask you some questions about your dwelling. Please answer these questions referring to the time before the volcanic eruption and tsunami.

how many rooms used for sleeping prior to disaster? (q04\_07)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 2	Minimum: 1
Decimals: 0	Maximum: 11
Range: 1-11	Mean: 3

**Literal question**

Prior to the underwater volcanic eruption and tsunami, how many rooms do members of your household usually use for sleeping?

type of living quarter (q04\_07a)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 2	Minimum: 1
Decimals: 0	Maximum: 96
Range: 1-96	

**Literal question**

What type of living quarter is this?

tenure of residence (q04\_07b)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 2	Minimum: 1
Decimals: 0	Maximum: 96
Range: 1-96	

**Literal question**

What is the tenure of this house/dwelling/apartment?

prior to disaster: floor material (q04\_08)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 2	Minimum: 11
Decimals: 0	Maximum: 96
Range: 0-96	

**Literal question**

Prior to the underwater volcanic eruption and tsunami, what was the main material of the dwelling floor?

prior to disaster: roof material (q04\_09)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 2	Minimum: 11
Decimals: 0	Maximum: 96
Range: 0-96	

**Literal question**

Prior to the underwater volcanic eruption and tsunami, what was the main material of the roof?

prior to disaster: exterior walls material (q04\_10)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 2	Minimum: 12
Decimals: 0	Maximum: 96
Range: 0-96	

**Literal question**

Prior to the underwater volcanic eruption and tsunami, what was the main material of exterior walls?

prior to disaster: electricity access (q04\_11)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 3
Range: 1-3	

**Literal question**

Prior to the underwater volcanic eruption and tsunami, did your household have electricity?

**Interviewer instructions**

IF YES, PROBE ABOUT THE TYPE OF ELECTRICITY

prior to disaster: type of cookstove used (q04\_12)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 2	Minimum: 1
Decimals: 0	Maximum: 96
Range: 1-96	

**Literal question**

In your household, what type of cookstove was mainly used for cooking before the volcanic eruption?

prior to disaster: type of fuel energy used (q04\_13)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete	Valid cases: 187
Format: numeric	Invalid: 2340
Width: 2	Minimum: 2
Decimals: 0	Maximum: 96
Range: 1-96	

#### Literal question

What type of fuel or energy source was mainly used in this cookstove before the volcanic eruption?

prior to disaster: cooking done outside/main building (q04\_14)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete	Valid cases: 2524
Format: numeric	Invalid: 3
Width: 2	Minimum: 1
Decimals: 0	Maximum: 96
Range: 0-96	

#### Literal question

Was the cooking usually done in the house, in a separate building, or outdoors, before the volcanic eruption?

prior to disaster: light source (q04\_15)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 2	Minimum: 1
Decimals: 0	Maximum: 96
Range: 1-96	

#### Literal question

At night, what did your household mainly use to light the household before the volcanic eruption?

prior to disaster: drinking water source (q04\_16)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 2	Minimum: 1
Decimals: 0	Maximum: 96
Range: 0-96	

#### Literal question

What was the main source of drinking water used by members of your household before the volcanic eruption?

prior to disaster: water source location (q04\_17)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-3

Valid cases: 80  
 Invalid: 2447  
 Minimum: 2  
 Maximum: 3

#### Literal question

Where was that water source located?

prior to disaster: distance to water source (mins) (q04\_18)  
 File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Continuous  
 Format: numeric  
 Width: 3  
 Decimals: 0  
 Range: 2-160

Valid cases: 80  
 Invalid: 2447  
 Minimum: 2  
 Maximum: 160  
 Mean: 21.7

#### Literal question

How long did it take for members of your household to go there, get water, and come back?

after disaster: drinking water source (q04\_19)  
 File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 0-96

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 96

#### Literal question

What is the main source of drinking water used by members of your household now, after the volcanic eruption?

month prior to disaster: no sufficient drinking water (q04\_20)  
 File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 1-98

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 98

#### Literal question

In the month prior to the volcanic eruption, was there any time when your household did not have sufficient quantities of drinking water?

prior to disaster: type of toilet facility used (q04\_21)  
 File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 0-96

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 96

#### Literal question

Prior to the volcanic eruption, what kind of toilet facility did members of your household most usually use?

prior to disaster: shared toilet facility (q04\_22)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2525  
 Invalid: 2  
 Minimum: 1  
 Maximum: 2

#### Literal question

Prior to the volcanic eruption and tsunami, did you share this facility with others who are not members of your household?

prior to disaster: handwashing (q04\_23)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

Prior to the volcanic eruption and tsunami, did you have any soap or detergent or ash/mud/sand in your house for washing hands?

12 months prior to disaster: not enough food due to lack of money/other resourc (q05\_01a)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

In the 12 months before the volcanic eruption and tsunami, was there a time when you worried or there were concerns that you or any other adult in the household would not have enough food to eat because of a lack of enough money or other resources?

since the disaster: not enough food at least once (q05\_01b)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

Did this happen at least once since the volcanic eruption and tsumani?

12 months prior to disaster: no access to healthy/nutritious food  
 (q05\_02a)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

In the 12 months before the volcanic eruption and tsunami, was there any time when you or any other adult in your household were unable to eat healthy and nutritious / good food because of a lack of money or other resources?

since the disaster: no access to healthy/nutritious food at least once  
 (q05\_02b)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

Did this happen at least once since the volcanic eruption and tsumani?

12 months prior to disaster: ate only few kinds of food? (q05\_03a)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

In the 12 months before the volcanic eruption and tsunami, were there periods when you or any other adult in your household had to eat only a few kinds of foods because of a lack of money or other resources?

since the disaster: ate only few kinds of food at least once? (q05\_03b)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

Did this happen at least once since the volcanic eruption and tsumani?

12 months prior to disaster: skip a meal? (q05\_04a)  
 File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

In the 12 months before the volcanic eruption and tsunami, was there any time when, because of a lack of money or other means to get food, you or any other adult in your household had to skip a meal?

since the disaster: skipped a meal at least once? (q05\_04b)  
 File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

Did this happen at least once since the volcanic eruption and tsumani?

12 months prior to disaster: ate less than you should have? (q05\_05a)  
 File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

In the 12 months before the volcanic eruption and tsunami, was there any time when, because of a lack of money or other resources to get food, you or any other adult in your households ate less than you thought you should?

since the disaster: ate less than you should have at least once?  
 (q05\_05b)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

Did this happen at least once since the volcanic eruption and tsumani?

12 months prior to disaster: ran out of food? (q05\_06a)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

In the 12 months before the volcanic eruption and tsunami, did it ever happen that your household ran out of food because of a lack of money or other resources?

since the disaster: ran out of food at least once? (q05\_06b)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

Did this happen at least once since the volcanic eruption and tsumani?

12 months prior to disaster: hungry but did not eat? (q05\_07a)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

In the 12 months before the volcanic eruption and tsunami, was there any time when, because of a lack of money or other resources to get food, you or any other adult in your household were hungry but did not eat?

since the disaster: hungry but did not eat at least once? (q05\_07b)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

Did this happen at least once since the volcanic eruption and tsumani?

12 months prior to disaster: whole day without eating? (q05\_08a)  
 File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

In the 12 months before the volcanic eruption and tsunami, was there any time when, because of a lack of money or other resources to get food, you or any other adult in your household went without eating for a whole day?

since the disaster: whole day without eating at least once? (q05\_08b)  
 File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

Did this happen at least once since the volcanic eruption and tsumani?

during disaster: were you injured? (q06\_01)  
 File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

During the volcanic eruption and tsunami, were you or any member of your household injured?

during disaster: were you able to access medical treatment? (q06\_02)  
 File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 51  
 Invalid: 2476  
 Minimum: 1  
 Maximum: 2

#### Literal question

Were you or that member of your household able to access medical treatment for that injury?

since disaster: difficulty breathing? (q06\_04)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

Since the volcanic eruption and tsunami, have you or any member of your household had difficulty breathing to the point where he or she needed medical treatment?

since disaster: have you needed medical assistance? (q06\_05)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

Excluding injuries suffered during the volcanic eruption and tsunami, have you or any member of your household needed any medical care since the volcanic eruption?

since disaster: were you able to access medical treatment? (q06\_06)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 236  
 Invalid: 2291  
 Minimum: 1  
 Maximum: 2

#### Literal question

Were you or that member of your household able to access medical treatment?

since disaster: reasons for no access to medical treatment (q06\_07)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 1-96

Valid cases: 33  
 Invalid: 2494  
 Minimum: 1  
 Maximum: 96

#### Literal question

What was the main reason you or that member of your household were not able to access medical treatment?

was your residence damaged during disaster? (q07\_01)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

Was your dwelling lost or damaged in the tsunami?

since disaster: sold assets (q07\_02)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

Has your household had to take any of the following actions since the volcanic eruption and tsunami:  
 Sell assets?

since disaster: sold handicrafts (q07\_03)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

Has your household had to take any of the following actions since the volcanic eruption and tsunami:  
 Sell handicrafts?

since disaster: sold livestock (q07\_04)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

Has your household had to take any of the following actions since the volcanic eruption and tsunami:  
 Sell livestock?

since disaster: start/increase fishing (q07\_05)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

Has your household had to take any of the following actions since the volcanic eruption and tsunami:  
 Start or increase fishing activities?

since disaster: find ways to earn extra money (q07\_06)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

Has your household had to take any of the following actions since the volcanic eruption and tsunami:  
 Find ways to earn extra money?

since disaster: receive cash or borrow from friends/family (q07\_07)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

Has your household had to take any of the following actions since the volcanic eruption and tsunami:  
 Receive cash or borrow from friends or family?

since disaster: other assistance from friends/family (q07\_08)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

Has your household had to take any of the following actions since the volcanic eruption and tsunami:  
 Receive other assistance from friends or family?

since disaster: assistance from church/other religious body (q07\_09)  
 File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

Has your household had to take any of the following actions since the volcanic eruption and tsunami:  
 Receive assistance from church or other religious body?

since disaster: loan from financial institution (q07\_10)  
 File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

Has your household had to take any of the following actions since the volcanic eruption and tsunami:  
 Take a loan from a formal financial institution?

since disaster: loan from moneylender/saving group (q07\_11)  
 File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

Has your household had to take any of the following actions since the volcanic eruption and tsunami:  
 Take a loan from an informal moneylender or saving group?

since disaster: credit purchase (q07\_12)  
 File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

Has your household had to take any of the following actions since the volcanic eruption and tsunami:  
 Purchase items on credit?

since disaster: delayed repayments (q07\_13)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

Has your household had to take any of the following actions since the volcanic eruption and tsunami:  
 Delay making re-payments?

since disaster: sell harvest in advance (q07\_14)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 1452  
 Invalid: 1075  
 Minimum: 1  
 Maximum: 2

#### Literal question

Has your household had to take any of the following actions since the volcanic eruption and tsunami:  
 Sell harvest in advance?

since disaster: reduced food consumption (q07\_15)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

Has your household had to take any of the following actions since the volcanic eruption and tsunami:  
 Reduce food consumption?

since disaster: reduced non-food consumption (q07\_16)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

Has your household had to take any of the following actions since the volcanic eruption and tsunami:  
 Reduce non-food consumption?

since disaster: savings spending (q07\_17)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-3

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 3

#### Literal question

Has your household had to take any of the following actions since the volcanic eruption and tsunami:  
 Spend from savings?

since disaster: assistance from community groups/chiefs/kinship ties  
 (q07\_18)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

Has your household had to take any of the following actions since the volcanic eruption and tsunami:  
 Receive assistance from community groups, chiefs, kinship ties?

since disaster: assistance from ngo (q07\_19)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

Has your household had to take any of the following actions since the volcanic eruption and tsunami:  
 Receive assistance from NGO?

since disaster: advance from employer (q07\_20)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

Has your household had to take any of the following actions since the volcanic eruption and tsunami:  
 Take an advance from an employer?

since disaster: reduce number of children attending school (q07\_21)  
 File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

Has your household had to take any of the following actions since the volcanic eruption and tsunami:  
 Reduce the number of children attending school?

since disaster: assistance from government (q07\_22)  
 File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

Has your household had to take any of the following actions since the volcanic eruption and tsunami:  
 Receive government assistance?

government assistance through: elderly program (q07\_23a)  
 File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 890  
 Invalid: 1637  
 Minimum: 1  
 Maximum: 2

#### Literal question

Has your household received assistance from the government through elderly benefit program?

government assistance through: disability program (q07\_23b)  
 File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 890  
 Invalid: 1637  
 Minimum: 1  
 Maximum: 2

#### Literal question

Has your household received assistance from the government through a disability benefit program?

government assistance through: hs students/set project (q07\_23c)  
 File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 890  
 Invalid: 1637  
 Minimum: 1  
 Maximum: 2

#### Literal question

Has your household received money assistance from the government to high school students / SET project?

government assistance through: disaster response (q07\_23d)  
 File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 890  
 Invalid: 1637  
 Minimum: 1  
 Maximum: 2

#### Literal question

Has your household received assistance from the government in response to the volcanic eruption and tsunami?

since disaster: has the household had to take other actions? (q07\_24)  
 File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

Valid cases: 2527  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

#### Literal question

Has the household had to take other actions since the volcanic eruption and tsunami

assistance type: food access (q07\_25\_1)  
 File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 10  
 Decimals: 0  
 Range: 0-2147483647

Valid cases: 2527  
 Invalid: 0  
 Minimum: 0  
 Maximum: 1

**Literal question**

What forms of assistance do you think would be most beneficial to Tongan households to cope with the after effects of the volcanic eruption and tsunami?

assistance type: water access (q07\_25\_2)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 10	Minimum: 0
Decimals: 0	Maximum: 1
Range: 0-2147483647	

**Literal question**

What forms of assistance do you think would be most beneficial to Tongan households to cope with the after effects of the volcanic eruption and tsunami?

assistance type: temporary housing (q07\_25\_3)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 10	Minimum: 0
Decimals: 0	Maximum: 1
Range: 0-2147483647	

**Literal question**

What forms of assistance do you think would be most beneficial to Tongan households to cope with the after effects of the volcanic eruption and tsunami?

assistance type: clothing and household supplies (q07\_25\_4)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 10	Minimum: 0
Decimals: 0	Maximum: 1
Range: 0-2147483647	

**Literal question**

What forms of assistance do you think would be most beneficial to Tongan households to cope with the after effects of the volcanic eruption and tsunami?

assistance type: medicine and health services (q07\_25\_5)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 10	Minimum: 0
Decimals: 0	Maximum: 1
Range: 0-2147483647	

**Literal question**

What forms of assistance do you think would be most beneficial to Tongan households to cope with the after effects of the volcanic eruption and tsunami?

assistance type: cash/cash for work/government assistance  
(q07\_25\_6)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 10	Minimum: 0
Decimals: 0	Maximum: 1
Range: 0-2147483647	

#### Literal question

What forms of assistance do you think would be most beneficial to Tongan households to cope with the after effects of the volcanic eruption and tsunami?

assistance type: transport access (q07\_25\_7)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 10	Minimum: 0
Decimals: 0	Maximum: 1
Range: 0-2147483647	

#### Literal question

What forms of assistance do you think would be most beneficial to Tongan households to cope with the after effects of the volcanic eruption and tsunami?

assistance type: other (q07\_25\_96)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 10	Minimum: 0
Decimals: 0	Maximum: 1
Range: 0-2147483647	

#### Literal question

What forms of assistance do you think would be most beneficial to Tongan households to cope with the after effects of the volcanic eruption and tsunami?

did you receive early warning system before disaster? (q08\_01)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

#### Literal question

Did you receive a warning through an early warning system prior to the tsunami?

### property insurance? (q08\_02)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 2	Minimum: 1
Decimals: 0	Maximum: 98
Range: 1-98	

#### Literal question

Do you or anyone in your household have property insurance?

### reasons for no property insurance (q08\_03)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete	Valid cases: 1672
Format: numeric	Invalid: 855
Width: 2	Minimum: 1
Decimals: 0	Maximum: 96
Range: 1-96	

#### Literal question

Why not?

### are you expecting to receive a payout from your insurance (q08\_04)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete	Valid cases: 369
Format: numeric	Invalid: 2158
Width: 2	Minimum: 1
Decimals: 0	Maximum: 98
Range: 1-98	

#### Literal question

Are you expecting to receive a payout from your insurance policy as a result of the volcanic eruption and tsunami?

### reasons for no payout from insurance (q08\_05)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete	Valid cases: 139
Format: numeric	Invalid: 2388
Width: 2	Minimum: 1
Decimals: 0	Maximum: 96
Range: 1-96	

#### Pre question

If q08\_04==2

#### Literal question

Why not?

are you receiving updates about what is being done to help the affected population (q08\_06)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

#### Literal question

Are you receiving current updates about what is being done to help the affected population?

main source of information on disaster relief updates (q08\_07)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete	Valid cases: 1033
Format: numeric	Invalid: 1494
Width: 2	Minimum: 1
Decimals: 0	Maximum: 96
Range: 1-96	

#### Literal question

What is your main source of information?

recontact within next month? (q09\_01)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete	Valid cases: 2527
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

#### Literal question

We would like to call you again within the next months as a follow up of this study about the volcanic eruption and tsunami and to hear how your family is doing. If you agree, could I call you on this number or, could you provide me with another phone number where I could reach you? If you do not want me to call you back, we will delete your information after 3 months, otherwise we will keep your information for [12] months. Do you agree that we may call you back within the next months?

alternative number? (q09\_02)

File: WBG\_TON\_2022\_HFPS-W1\_Household\_v01\_PUF

#### Overview

Type: Discrete	Valid cases: 2507
Format: numeric	Invalid: 20
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

#### Literal question

Could we have another alternative number to call?



# Documentation

## Questionnaires

### Questionnaire (English) - Tonga 2022 HFPS round 1

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Title	Questionnaire (English) - Tonga 2022 HFPS round 1
Author(s)	World Bank
Date	2022-04-01
Country	Tonga
Language	English
Publisher(s)	World Bank
Description	<p>This file is the questionnaire (in English and Tongan) of the 1st round of the 2022 High Frequency Phone Survey (HFPS) of Tonga.</p> <p>The questionnaire contains the following modules: Interview Information, Basic Information, Livelihood, Assets, Food Insecurity, Public Services, Coping Strategies, Preparedness, Recontact.</p>
Filename	C:/Users/olivierm/OneDrive - SPC/Olivier Menaouer/NADA/Tonga/SPC_TON_2022_HFPS-W1_v01_M_v01_A_PUF/Doc/Questionnaires/TON_HFPS_Round1.xlsx

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