STEPwise Survey for Non Communicable Diseases Risk Factor 2011

Ministry of Health

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visit_data_catalog_at: http://catalog.ihsn.org/

Identification

SURVEY ID NUMBER
TON_2011_STEPS_v01_M

TITLE
STEPwise Survey for Non Communicable Diseases Risk Factor 2011

ABBREVIATION OR ACRONYM
STEPS 2011

COUNTRY

Name	Country code
Tonga	TON

STUDY TYPE
Other Household Survey [hh/oth]

SERIES INFORMATION
This is the second STEPS conducted by Tonga.

ABSTRACT
STEPS is a household-based survey to obtain core data on the established risk factors that determine the major burden of NCDs.

KIND OF DATA
Sample survey data [ssd]

UNIT OF ANALYSIS
Individuals

Version

VERSION DESCRIPTION
Public-use dataset

Scope

NOTES
The following topics were included in the survey: tobacco use, alcohol consumption, diet, physical activity, history of raised blood glucose and history of raised blood pressure. Additionally, the following measures were taken: blood pressure, height, weight, waist circumference, hip circumference, fasting blood glucose and total cholesterol.

TOPICS

Topic	Vocabulary
STEPS	Survey

KEYWORDS

Keyword
noncommunicable diseases
risk factors
health surveys

tobacco use
alcohol use
diet
nutrition
physical activity
blood pressure
overweight
obesity
diabetes
hypertension
blood glucose
cholesterol

Coverage

GEOGRAPHIC COVERAGE
National coverage.

UNIVERSE
Adults aged 25-64 years.

Producers and sponsors

PRIMARY INVESTIGATORS

Name
Ministry of Health

Sampling

SAMPLING PROCEDURE
Multi-stage clustering sample design. Please refer to page 21 of report for further information.

RESPONSE RATE
The overall response rate was 88.8%.

WEIGHTING
Analysis weights were calculated by taking the inverse of the probability of selection of each participant. These weights were adjusted for differences in the age-sex composition of the sample population as compared to the target population.

Different weight variables are available per Step:
wStep1 - for interview data
wStep2 - for physical measures
wStep3 - for biochemical measures
This allows for differences in the weight calculation for each Step of the survey as the age-sex composition of the respondents to each Step can differ slightly due to refusal or drop out. Additionally, some countries perform subsampling for Step 2 and/or Step 3. When no subsampling is done and response rates do not differ across Steps of the survey, the 3 weight variables will be the same.

Data collection

DATES OF DATA COLLECTION

Start	End
2011-09	2012-08

DATA COLLECTION MODE
Face-to-face [f2f]

DATA COLLECTION NOTES
Accu-Chek Performa was used for blood glucose measurements.

Access policy

CONTACTS

Name	Affiliation	Email	URL
NCD Surveillance Team	World Health Organization	ncdmonitoring@who.int	[Link](#)

ACCESS CONDITIONS
The user undertakes:
(1) to acknowledge the data source.
(2) to share any planned publications with WHO prior to publication.
(3) to offer co-authorship of any reports or publications using the survey results to the coordinator of the survey.
(4) to use the data for non-commercial, not-for-profit public health purposes only.

CITATION REQUIREMENTS
Publications based on STEPS data should cite the survey report (if available) and acknowledge the data source in the following manner:
"This paper uses data from the [country] [year] STEPS survey, implemented by [implementing agency] with the support of the World Health Organization."

ACCESS AUTHORITY

Name	Affiliation	Email	URL
NCD Surveillance Team	World Health Organization	ncdmonitoring@who.int	[Link](#)

Disclaimer and copyrights

DISCLAIMER
The data is being distributed without warranty of any kind. The responsibility for the use of the data lies with the user. In no event shall the World Health Organization be liable for damages arising from its use.

Metadata production

DDI DOCUMENT ID
DDI_TON_2011_STEPS_v01_M

PRODUCERS

Name	Abbreviation	Affiliation	Role
Yue Wu		World Health Organization	Documentation of data

Melanie Cowan		World Health Organization	Supervision and review of metadata and documentation of study
Development Economics Data Group	DECDG	The World Bank	Metadata adapted for World Bank Microdata Library

DATE OF METADATA PRODUCTION
2020-03-21

DDI DOCUMENT VERSION
Identical to a metadata (TON_2011_STEPS_v01) published on WHO NCD microdata repository (http://extranet.who.int/ncdsmicrodata/index.php/catalog). Some of the metadata fields have been edited.

data_dictionary

Data file	Cases	variables
tonga2011 National public-use dataset	2457	134

Data file: tonga2011

National public-use dataset

Cases:	2457
variables:	134

variables

ID	Name	Label	Question
V287	pid	participant ID - unique record ID	
V297	sex	sex	
V298	age	age for analysis	
V299	c4	yrs of education	
V300	c5	highest level of education	
V301	c6	ethnic group	
V302	c7	marital status	
V303	c8	work status	
V304	c9	adults older than 18yrs in household	
V305	c10a	household earnings per week	
V306	c10b	household earnings per month	
V307	c10c	household earnings per year	
V308	c10d	household earnings refused	
V309	c11	estimate of annual household income	
V310	t1a	ever smoked	
V311	t1	current smoke	
V312	t2	current daily smoking	
V313	t3	age started smoking	
V314	t4a	time since started smoking (years)	
V315	t4b	time since started smoking (months)	
V316	t4c	time since started smoking (weeks)	
V317	t5a	manufactured cigs smoked per day	
V318	t5b	hand-rolled cigs smoked per day	
V319	t5c	pipes smoked per day	
V320	t5d	cigars smoked per day	
V321	t5e	other smoked per day	
V322	t5other	specify other product smoked	
V323	x1	stop smoking attempt in past 12 mos	
V324	x2	advised by MD to stop smoking	
V325	t6	past daily smoking	
V326	t7	age quit smoking	
V327	t8a	time since quitting smoking (years)	
V328	t8b	time since quitting smoking (months)	
V329	t8c	time since quitting smoking (days)	
V330	t13	exposed to smoke in home	
V331	t14	exposed to smoke at work	
V332	a1a	ever drank alcohol	

ID	Name	Label	Question
V333	a1b	drank alcohol in past 12 mos	
V334	a2	freq drinking in past 12 mos	
V335	a3	drank alcohol in past 30 days	
V336	a4	number drinking occasions past 30 days	
V337	a5	average number drinks per occasion past 30 days	
V338	a6	largest number drinks past 30 days	
V339	a7	times drank 5+(men)/4+(women) drinks in single occasion past 30 days	
V340	a8	drinking with meals in past 30 days	
V341	a9a	number of drinks consumed last Monday	
V342	a9b	number of drinks consumed last Tuesday	
V343	a9c	number of drinks consumed last Wednesday	
V344	a9d	number of drinks consumed last Thursday	
V345	a9e	number of drinks consumed last Friday	
V346	a9f	number of drinks consumed last Saturday	
V347	a9g	number of drinks consumed last Sunday	
V348	d1	days fruit eaten per week	
V349	d2	servings fruit eaten per day	
V350	d3	days veg eaten per week	
V351	d4	servings veg eaten per day	
V352	d5	oil used most often	
V353	d5other	other oil used most often	
V354	d6	meals per week eaten outside home	
V355	p1	vig activity at work	
V356	p2	vig activity at work: days per week	
V357	p3a	vig activity at work: hours per day	
V358	p3b	vig activity at work: mins per day	
V359	p4	mod activity at work	
V360	p5	mod activity at work: days per week	
V361	p6a	mod activity at work: hours per day	
V362	p6b	mod activity at work: mins per day	
V363	p7	active transport	
V364	p8	active transport: days per week	
V365	p9a	active transport: hours per day	
V366	p9b	active transport: mins per day	
V367	p10	vig leisure activity	
V368	p11	vig leisure activity: days per week	
V369	p12a	vig leisure activity: hours per day	
V370	p12b	vig leisure activity: mins per day	
V371	p13	mod leisure activity	
V372	p14	mod leisure activity: days per week	
V373	p15a	mod leisure activity: hours per day	
V374	p15b	mod leisure activity: mins per day	
V375	p16a	sedentary time: hours per day	
V376	p16b	sedentary time: mins per day	
V377	h1	BP ever measured	

ID	Name	Label	Question
V378	h2a	ever told had high BP	
V379	h2b	told had high BP in past 12 mos	
V380	h3a	currently receiving for high BP: drugs	
V381	h3b	currently receiving for high BP: advice to reduce salt intake	
V382	h3c	currently receiving for high BP: advice/treatment to lose weight	
V383	h3d	currently receiving for high BP: advice/treatment to stop smoking	
V384	h3e	currently receiving for high BP: advice/treatment to exercise more	
V385	h4	ever seen trad'l healer for high BP	
V386	h5	taking trad'l meds for high BP	
V387	h6	ever had gluc measured	
V388	h7a	ever told had high gluc	
V389	h7b	told had high gluc in past 12 mos	
V390	h8a	currently receiving for high gluc: insulin	
V391	h8b	currently receiving for high gluc: drugs	
V392	h8c	currently receiving for high gluc: special diet	
V393	h8d	currently receiving for high gluc: advice/treatment to lose weight	
V394	h8e	currently receiving for high gluc: advice/treatment to stop smoking	
V395	h8f	currently receiving for high gluc: advice/treatment to exercise more	
V396	h9	seen trad'l healer for high gluc in past 12 mos	
V397	h10	taking trad'l meds for high gluc	
V398	m2a	height device ID	
V399	m2b	weight device ID	
V400	m3	height (cm)	
V401	m4	weight (kg)	
V402	m5	pregnant	
V403	m6	waist device ID	
V404	m7	waist circumference (cm)	
V405	m9	BP device ID	
V406	m10	cuff size	
V407	m11a	BP reading 1: systolic	
V408	m11b	BP reading 1: diastolic	
V409	m12a	BP reading 2: systolic	
V410	m12b	BP reading 2: diastolic	
V411	m13a	BP reading 3: systolic	
V412	m13b	BP reading 3: diastolic	
V413	m14	took raised BP meds in past 2 weeks	
V414	m15	hip circumference (cm)	
V415	b1	ate/drank in past 12 hours (fasting status)	
V416	b3	gluc device ID	
V417	b4a	time blood sample taken (hours)	
V418	b4b	time blood sample taken (minutes)	
V419	b5	fasting blood glucose (mmol/l)	
V420	b6	took insulin today	
V421	b7	chol device ID	
V422	b8	total cholesterol (mmol/l)	

ID	Name	Label	Question
V423	b9	chol meds taken in past 2 weeks	
V424	agerange	ageranges for which survey was designed	
V425	psu	psu	
V426	stratum	stratum	
V427	wstep1	final analysis weight for step 1 (interview)	
V428	wstep2	final analysis weight for step 2 (physical measures)	
V429	wstep3	final analysis weight for step 3 (biochemical measures)	

total: 134

ID	Name	Label	Question

PID: participant ID - unique record ID

Data file: tonga2011

Overview

Valid: 2457   Invalid: 0   Minimum: 110102013   Maximum: 510301062   Mean: 190078801.919   Standard deviation: 94456201.551
Type: Continuous   Decimal: 0   Width: 12   Range: 110102013 - 510301062   Format: Numeric

SEX: sex

Data file: tonga2011

Overview

Valid: 2457   Invalid: 0
Type: Discrete   Width: 5   Range: -   Format: character

Questions and instructions

CATEGORIES

Value	Category	Cases	
Men		930	37.9%
Women		1527	62.1%

AGE: age for analysis

Data file: tonga2011

Overview

Valid: 2457   Invalid: 0   Minimum: 25   Maximum: 64   Mean: 43.107   Standard deviation: 10.178
Type: Continuous   Decimal: 0   Width: 8   Range: 25 - 64   Format: Numeric

C4: yrs of education

Data file: tonga2011

Overview

Valid: 2453   Invalid: 4
Type: Discrete   Decimal: 0   Width: 10   Range: 0 - 77   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		5	0.2%
1		1	0%

2		3	0.1%
3		3	0.1%
4		4	0.2%
5		22	0.9%
6		112	4.6%
7		67	2.7%
8		88	3.6%
9		213	8.7%
10		449	18.3%
11		536	21.9%
12		474	19.3%
13		147	6%
14		109	4.4%
15		89	3.6%
16		50	2%
17		24	1%
18		14	0.6%
19		14	0.6%
20		9	0.4%
21		5	0.2%
22		3	0.1%
23		2	0.1%
24		1	0%
25		3	0.1%
28		1	0%
30		2	0.1%
77	Don't know	3	0.1%
Sysmiss		4	

C5: highest level of education

Data file: tonga2011

Overview

Valid: 2452   Invalid: 5
Type: Discrete   Decimal: 0   Width: 28   Range: 1 - 88   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	No formal schooling	6	0.2%
2	Less than primary school	104	4.2%
3	Primary school completed	1458	59.5%
4	Secondary school completed	647	26.4%
5	High school completed	197	8%
6	College/University completed	39	1.6%
7	Post graduate degree	0	0%
88	Refused	1	0%
Sysmiss		5	

C6: ethnic group

Data file: tonga2011

Overview

Valid: 2452   Invalid: 5
Type: Discrete   Decimal: 0   Width: 10   Range: 1 - 88   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Tongan	2413	98.4%
2	Non-Tongan	39	1.6%
88	Refused	0	0%
Sysmiss		5	

C7: marital status

Data file: tonga2011

Overview

Valid: 2452   Invalid: 5
Type: Discrete   Decimal: 0   Width: 17   Range: 1 - 88   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Never married	270	11%
2	Currently married	1955	79.7%

3	Separated	55	2.2%
4	Divorced	44	1.8%
5	Widowed	123	5%
6	Cohabitating	5	0.2%
88	Refused	0	0%
Sysmiss		5	

C8: work status

Data file: tonga2011

Overview

Valid: 2452   Invalid: 5
Type: Discrete   Decimal: 0   Width: 27   Range: 1 - 88   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Government employee	283	11.5%
2	Non-government employee	390	15.9%
3	Self employed	522	21.3%
4	Non-paid	139	5.7%
5	Student	10	0.4%
6	Homemaker	848	34.6%
7	Retired	41	1.7%
8	Unemployed (able to work)	184	7.5%
9	Unemployed (unable to work)	35	1.4%
88	Refused	0	0%
Sysmiss		5	

C9: adults older than 18yrs in household

Data file: tonga2011

Overview

Valid: 2452   Invalid: 5   Minimum: 1   Maximum: 30   Mean: 3.184   Standard deviation: 1.741
Type: Continuous   Decimal: 0   Width: 8   Range: 1 - 30   Format: Numeric

C10A: household earnings per week

Data file: tonga2011

Overview

Valid: 1960   Invalid: 497   Minimum: 0   Maximum: 8000   Mean: 239.405   Standard deviation: 348.178
Type: Continuous   Decimal: 0   Width: 8   Range: 0 - 8000   Format: Numeric

C10B: household earnings per month

Data file: tonga2011

Overview

Valid: 431   Invalid: 2026   Minimum: 0   Maximum: 20000   Mean: 1081.2   Standard deviation: 1597.639
Type: Continuous   Decimal: 0   Width: 8   Range: 0 - 20000   Format: Numeric

C10C: household earnings per year

Data file: tonga2011

Overview

Valid: 26   Invalid: 2431   Minimum: 1000   Maximum: 200000   Mean: 35193.231   Standard deviation: 45040.103

Type: Continuous   Decimal: 0   Width: 12   Range: 1000 - 200000   Format: Numeric

C10D: household earnings refused

Data file: tonga2011

Overview

Valid: 2452   Invalid: 5
Type: Discrete   Decimal: 0   Width: 9   Range: 0 - 1   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	Disclosed	2408	98.2%
1	Refused	44	1.8%
Sysmiss		5	

C11: estimate of annual household income

Data file: tonga2011

Overview

Valid: 44   Invalid: 2413
Type: Discrete   Decimal: 0   Width: 18   Range: 1 - 88   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	<=Quintile 1	0	0%
2	More than Q1, <=Q2	1	2.3%
3	More than Q2, <=Q3	1	2.3%
4	More than Q3, <=Q4	0	0%
5	More than Q4	1	2.3%
77	Don't know	29	65.9%
88	Refused	12	27.3%
Sysmiss		2413	

T1A: ever smoked

Data file: tonga2011

Overview

Valid: 2452   Invalid: 5
Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 2   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	852	34.7%
2	No	1600	65.3%
Sysmiss		5	

T1: current smoke

Data file: tonga2011

Overview

Valid: 859   Invalid: 1598
Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 2   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	619	72.1%

2	No	240	27.9%
Sysmiss		1598	

T2: current daily smoking

Data file: tonga2011

Overview

Valid: 620   Invalid: 1837
Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 2   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	563	90.8%
2	No	57	9.2%
Sysmiss		1837	

T3: age started smoking

Data file: tonga2011

Overview

Valid: 563   Invalid: 1894
Type: Discrete   Decimal: 0   Width: 10   Range: 8 - 77   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
8		2	0.4%
9		2	0.4%
10		14	2.5%
11		9	1.6%
12		32	5.7%
13		13	2.3%
14		23	4.1%
15		54	9.6%
16		40	7.1%
17		45	8%
18		78	13.9%

19		45	8%
20		65	11.5%
21		20	3.6%
22		18	3.2%
23		16	2.8%
24		6	1.1%
25		15	2.7%
26		5	0.9%
27		2	0.4%
28		8	1.4%
29		4	0.7%
30		17	3%
32		7	1.2%
34		2	0.4%
35		3	0.5%
36		2	0.4%
37		2	0.4%
38		1	0.2%
40		2	0.4%
42		1	0.2%
44		2	0.4%
45		2	0.4%
49		1	0.2%
51		1	0.2%
52		1	0.2%
58		1	0.2%
77	Don't know	2	0.4%
Sysmiss		1894	

▍ T4A: time since started smoking (years)

Data file: tonga2011

Overview

Valid: 2   Invalid: 2455
Type: Discrete   Decimal: 0   Width: 10   Range: 13 - 77   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
13		1	50%
77	Don't know	1	50%
Sysmiss		2455	

T4B: time since started smoking (months)

Data file: tonga2011

Overview

Valid: 1   Invalid: 2456
Type: Discrete   Decimal: 0   Width: 10   Range: 77 - 77   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
77	Don't know	1	100%
Sysmiss		2456	

T4C: time since started smoking (weeks)

Data file: tonga2011

Overview

Valid: 1   Invalid: 2456
Type: Discrete   Decimal: 0   Width: 10   Range: 77 - 77   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
77	Don't know	1	100%
Sysmiss		2456	

T5A: manufactured cigs smoked per day

Data file: tonga2011

Overview

Valid: 563   Invalid: 1894
Type: Discrete   Decimal: 0   Width: 10   Range: 0 - 77   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		95	16.9%
1		4	0.7%
2		9	1.6%
3		17	3%
4		19	3.4%
5		45	8%
6		23	4.1%
7		17	3%
8		21	3.7%
9		8	1.4%
10		90	16%
11		1	0.2%
12		18	3.2%
13		1	0.2%
14		1	0.2%
15		33	5.9%
16		5	0.9%
17		2	0.4%
18		6	1.1%
20		81	14.4%
21		1	0.2%
25		24	4.3%
30		13	2.3%
33		1	0.2%
40		11	2%
45		1	0.2%
50		4	0.7%
77	Don't know	12	2.1%
Sysmiss		1894	

T5B: hand-rolled cigs smoked per day

Data file: tonga2011

Overview

Valid: 563   Invalid: 1894

Type: Discrete   Decimal: 0   Width: 10   Range: 0 - 77   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		342	60.7%
1		16	2.8%
2		13	2.3%
3		19	3.4%
4		8	1.4%
5		22	3.9%
6		12	2.1%
7		12	2.1%
8		7	1.2%
9		4	0.7%
10		44	7.8%
12		4	0.7%
13		2	0.4%
14		1	0.2%
15		10	1.8%
17		1	0.2%
18		1	0.2%
20		13	2.3%
25		2	0.4%
30		3	0.5%
35		1	0.2%
40		1	0.2%
50		1	0.2%
77	Don't know	24	4.3%
Sysmiss		1894	

T5C: pipes smoked per day

Data file: tonga2011

Overview

Valid: 563   Invalid: 1894
Type: Discrete   Decimal: 0   Width: 10   Range: 0 - 77   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		519	92.2%
5		1	0.2%
77	Don't know	43	7.6%
Sysmiss		1894	

T5D: cigars smoked per day

Data file: tonga2011

Overview

Valid: 563   Invalid: 1894
Type: Discrete   Decimal: 0   Width: 10   Range: 0 - 77   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		499	88.6%
1		3	0.5%
2		1	0.2%
3		1	0.2%
4		1	0.2%
8		2	0.4%
9		1	0.2%
10		4	0.7%
12		1	0.2%
15		2	0.4%
16		1	0.2%
20		3	0.5%
25		1	0.2%
77	Don't know	43	7.6%
Sysmiss		1894	

T5E: other smoked per day

Data file: tonga2011

Overview

Valid: 563   Invalid: 1894
Type: Discrete   Decimal: 0   Width: 10   Range: 0 - 77   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		511	90.8%
1		1	0.2%
5		1	0.2%
6		1	0.2%
10		2	0.4%
13		1	0.2%
77	Don't know	46	8.2%
Sysmiss		1894	

▎ T5OTHER: specify other product smoked

Data file: tonga2011

Overview

Valid: 0   Invalid: 2457
Type: Discrete   Decimal: 0   Width: 8   Range: -   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
Sysmiss	

▎ X1: stop smoking attempt in past 12 mos

Data file: tonga2011

Overview

Valid: 620   Invalid: 1837
Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 2   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	

1	Yes	499	80.5%
2	No	121	19.5%
Sysmiss		1837	

X2: advised by MD to stop smoking

Data file: tonga2011

Overview

Valid: 620   Invalid: 1837
Type: Discrete   Decimal: 0   Width: 26   Range: 1 - 77   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	287	46.3%
2	No	259	41.8%
77	NA/ did not visit a doctor	74	11.9%
Sysmiss		1837	

T6: past daily smoking

Data file: tonga2011

Overview

Valid: 297   Invalid: 2160
Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 2   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	160	53.9%
2	No	137	46.1%
Sysmiss		2160	

T7: age quit smoking

Data file: tonga2011

Overview

Valid: 160   Invalid: 2297   Minimum: 9   Maximum: 64   Mean: 33.569   Standard deviation: 12.294

Type: Continuous   Decimal: 0   Width: 8   Range: 9 - 64   Format: Numeric

T8A: time since quitting smoking (years)

Data file: tonga2011

Overview

Valid: 0   Invalid: 2457
Type: Discrete   Decimal: 0   Width: 8   Range: -   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
Sysmiss	

T8B: time since quitting smoking (months)

Data file: tonga2011

Overview

Valid: 0   Invalid: 2457
Type: Discrete   Decimal: 0   Width: 8   Range: -   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
Sysmiss	

T8C: time since quitting smoking (days)

Data file: tonga2011

Overview

Valid: 0   Invalid: 2457
Type: Discrete   Decimal: 0   Width: 8   Range: -   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
Sysmiss	

T13: exposed to smoke in home

Data file: tonga2011

Overview

Valid: 2452   Invalid: 5
Type: Discrete   Decimal: 0   Width: 10   Range: 0 - 77   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		1506	61.4%
1		135	5.5%
2		61	2.5%
3		29	1.2%
4		15	0.6%
5		14	0.6%
6		10	0.4%
7		650	26.5%
77	Don't know	32	1.3%
Sysmiss		5	

T14: exposed to smoke at work

Data file: tonga2011

Overview

Valid: 2452   Invalid: 5
Type: Discrete   Decimal: 0   Width: 38   Range: 0 - 77   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		1483	60.5%
1		62	2.5%
2		32	1.3%
3		42	1.7%
4		18	0.7%
5		137	5.6%

6		59	2.4%
7		266	10.8%
77	Don't know/don't work in a closed area	353	14.4%
Sysmiss		5	

A1A: ever drank alcohol

Data file: tonga2011

Overview

Valid: 2452   Invalid: 5
Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 2   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	553	22.6%
2	No	1899	77.4%
Sysmiss		5	

A1B: drank alcohol in past 12 mos

Data file: tonga2011

Overview

Valid: 555   Invalid: 1902
Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 2   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	280	50.5%
2	No	275	49.5%
Sysmiss		1902	

A2: freq drinking in past 12 mos

Data file: tonga2011

Overview

Valid: 280   Invalid: 2177

Type: Discrete   Decimal: 0   Width: 22   Range: 1 - 88   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Daily	5	1.8%
2	5-6 days per week	11	3.9%
3	1-4 days per week	56	20%
4	1-3 days per month	81	28.9%
5	Less than once a month	119	42.5%
88	Refused	8	2.9%
Sysmiss		2177	

A3: drank alcohol in past 30 days

Data file: tonga2011

Overview

Valid: 280   Invalid: 2177
Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 2   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	174	62.1%
2	No	106	37.9%
Sysmiss		2177	

A4: number drinking occasions past 30 days

Data file: tonga2011

Overview

Valid: 174   Invalid: 2283
Type: Discrete   Decimal: 0   Width: 10   Range: 1 - 77   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1		53	30.5%

2		40	23%
3		23	13.2%
4		16	9.2%
5		6	3.4%
6		6	3.4%
7		2	1.1%
8		1	0.6%
10		6	3.4%
12		1	0.6%
15		2	1.1%
18		1	0.6%
20		7	4%
25		1	0.6%
30		1	0.6%
40		1	0.6%
77	Don't know	7	4%
Sysmiss		2283	

A5: average number drinks per occasion past 30 days

Data file: tonga2011

Overview

Valid: 174   Invalid: 2283
Type: Discrete   Decimal: 0   Width: 10   Range: 1 - 77   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1		27	15.5%
2		23	13.2%
3		23	13.2%
4		10	5.7%
5		12	6.9%
6		9	5.2%
7		2	1.1%
8		4	2.3%
9		4	2.3%
10		26	14.9%

12		2	1.1%
15		5	2.9%
16		1	0.6%
18		2	1.1%
20		12	6.9%
24		2	1.1%
30		2	1.1%
40		2	1.1%
77	Don't know	6	3.4%
Sysmiss		2283	

A6: largest number drinks past 30 days

Data file: tonga2011

Overview

Valid: 174   Invalid: 2283
Type: Discrete   Decimal: 0   Width: 10   Range: 1 - 77   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1		23	13.2%
2		15	8.6%
3		13	7.5%
4		6	3.4%
5		6	3.4%
6		7	4%
7		1	0.6%
8		3	1.7%
9		7	4%
10		24	13.8%
12		7	4%
15		11	6.3%
18		2	1.1%
20		20	11.5%
21		1	0.6%
24		3	1.7%
25		7	4%

30		4	2.3%
35		1	0.6%
40		2	1.1%
77	Don't know	11	6.3%
Sysmiss		2283	

A7: times drank 5+(men)/4+(women) drinks in single occasion past 30 days

Data file: tonga2011

Overview

Valid: 174   Invalid: 2283
Type: Discrete   Decimal: 0   Width: 10   Range: 0 - 77   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		13	7.5%
1		36	20.7%
2		23	13.2%
3		24	13.8%
4		15	8.6%
5		20	11.5%
6		7	4%
7		3	1.7%
8		2	1.1%
10		11	6.3%
12		1	0.6%
15		5	2.9%
20		5	2.9%
24		1	0.6%
25		1	0.6%
77	Don't know	7	4%
Sysmiss		2283	

A8: drinking with meals in past 30 days

Data file: tonga2011

Overview

Valid: 174   Invalid: 2283
Type: Discrete   Decimal: 0   Width: 20   Range: 1 - 4   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	usually with meals	41	23.6%
2	sometimes with meals	40	23%
3	rarely with meals	26	14.9%
4	never with meals	67	38.5%
Sysmiss		2283	

A9A: number of drinks consumed last Monday

Data file: tonga2011

Overview

Valid: 174   Invalid: 2283
Type: Discrete   Decimal: 0   Width: 10   Range: 0 - 77   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		140	80.5%
1		8	4.6%
2		4	2.3%
10		1	0.6%
77	Don't know	21	12.1%
Sysmiss		2283	

A9B: number of drinks consumed last Tuesday

Data file: tonga2011

Overview

Valid: 174   Invalid: 2283
Type: Discrete   Decimal: 0   Width: 10   Range: 0 - 77   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		137	78.7%
1		7	4%
2		4	2.3%
3		3	1.7%
5		1	0.6%
77	Don't know	22	12.6%
Sysmiss		2283	

A9C: number of drinks consumed last Wednesday

Data file: tonga2011

Overview

Valid: 174   Invalid: 2283
Type: Discrete   Decimal: 0   Width: 10   Range: 0 - 77   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		132	75.9%
1		7	4%
2		6	3.4%
3		3	1.7%
4		2	1.1%
6		1	0.6%
8		1	0.6%
15		1	0.6%
77	Don't know	21	12.1%
Sysmiss		2283	

A9D: number of drinks consumed last Thursday

Data file: tonga2011

Overview

Valid: 174   Invalid: 2283
Type: Discrete   Decimal: 0   Width: 10   Range: 0 - 77   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		136	78.2%
1		3	1.7%
2		5	2.9%
3		3	1.7%
4		1	0.6%
6		1	0.6%
10		1	0.6%
11		1	0.6%
15		1	0.6%
20		1	0.6%
77	Don't know	21	12.1%
Sysmiss		2283	

A9E: number of drinks consumed last Friday

Data file: tonga2011

Overview

Valid: 174   Invalid: 2283
Type: Discrete   Decimal: 0   Width: 10   Range: 0 - 77   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		63	36.2%
1		14	8%
2		11	6.3%
3		3	1.7%
4		4	2.3%
5		4	2.3%
6		8	4.6%
8		2	1.1%
9		2	1.1%
10		13	7.5%
12		4	2.3%

15		8	4.6%
18		1	0.6%
20		8	4.6%
24		1	0.6%
25		5	2.9%
30		3	1.7%
35		1	0.6%
36		1	0.6%
77	Don't know	18	10.3%
Sysmiss		2283	

A9F: number of drinks consumed last Saturday

Data file: tonga2011

Overview

Valid: 174   Invalid: 2283
Type: Discrete   Decimal: 0   Width: 10   Range: 0 - 77   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		90	51.7%
1		15	8.6%
2		1	0.6%
3		2	1.1%
4		2	1.1%
5		11	6.3%
6		5	2.9%
8		1	0.6%
9		2	1.1%
10		9	5.2%
11		1	0.6%
12		2	1.1%
15		3	1.7%
20		6	3.4%
24		2	1.1%
77	Don't know	22	12.6%
Sysmiss		2283	

A9G: number of drinks consumed last Sunday

Data file: tonga2011

Overview

Valid: 174   Invalid: 2283
Type: Discrete   Decimal: 0   Width: 10   Range: 0 - 77   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		141	81%
1		6	3.4%
4		1	0.6%
5		3	1.7%
8		1	0.6%
12		2	1.1%
77	Don't know	20	11.5%
Sysmiss		2283	

D1: days fruit eaten per week

Data file: tonga2011

Overview

Valid: 2450   Invalid: 7
Type: Discrete   Decimal: 0   Width: 10   Range: 0 - 77   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		335	13.7%
1		373	15.2%
2		374	15.3%
3		377	15.4%
4		117	4.8%
5		239	9.8%
6		169	6.9%
7		451	18.4%

| 77 | Don't know | 15 | 0.6% |
| Sysmiss | | 7 | |

D2: servings fruit eaten per day

Data file: tonga2011

Overview

Valid: 2103   Invalid: 354
Type: Discrete   Decimal: 0   Width: 10   Range: 1 - 77   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1		276	13.1%
2		551	26.2%
3		596	28.3%
4		379	18%
5		92	4.4%
6		63	3%
7		9	0.4%
8		21	1%
9		32	1.5%
10		32	1.5%
12		13	0.6%
14		5	0.2%
15		3	0.1%
16		10	0.5%
18		2	0.1%
20		19	0.9%
77	Don't know	0	0%
Sysmiss		354	

D3: days veg eaten per week

Data file: tonga2011

Overview

Valid: 2450   Invalid: 7
Type: Discrete   Decimal: 0   Width: 10   Range: 0 - 77   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		115	4.7%
1		188	7.7%
2		378	15.4%
3		460	18.8%
4		240	9.8%
5		204	8.3%
6		156	6.4%
7		689	28.1%
77	Don't know	20	0.8%
Sysmiss		7	

▌ D4: servings veg eaten per day

Data file: tonga2011

Overview

Valid: 2316   Invalid: 141
Type: Discrete   Decimal: 0   Width: 10   Range: 1 - 77   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1		355	15.3%
2		688	29.7%
3		668	28.8%
4		295	12.7%
5		116	5%
6		54	2.3%
7		6	0.3%
8		14	0.6%
9		27	1.2%
10		11	0.5%
12		7	0.3%
14		15	0.6%
15		1	0%

16		18	0.8%
18		5	0.2%
20		36	1.6%
77	Don't know	0	0%
Sysmiss		141	

D5: oil used most often

Data file: tonga2011

Overview

Valid: 2450   Invalid: 7
Type: Discrete   Decimal: 0   Width: 18   Range: 1 - 77   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Vegetable oil	1761	71.9%
2	Lard or suet	140	5.7%
3	Butter or ghee	169	6.9%
4	Margarine	35	1.4%
5	Other	260	10.6%
6	None in particular	37	1.5%
7	None used	34	1.4%
77	Don't know	14	0.6%
Sysmiss		7	

D5OTHER: other oil used most often

Data file: tonga2011

Overview

Valid: 2   Invalid: 2455
Type: Discrete   Decimal: 0   Width: 8   Range: 0 - 0   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		2	100%
Sysmiss		2455	

D6: meals per week eaten outside home

Data file: tonga2011

Overview

Valid: 2450   Invalid: 7
Type: Discrete   Decimal: 0   Width: 10   Range: 0 - 77   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		1765	72%
1		325	13.3%
2		151	6.2%
3		101	4.1%
4		28	1.1%
5		39	1.6%
6		15	0.6%
7		3	0.1%
10		1	0%
14		1	0%
21		1	0%
77	Don't know	20	0.8%
Sysmiss		7	

P1: vig activity at work

Data file: tonga2011

Overview

Valid: 2450   Invalid: 7
Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 2   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	583	23.8%
2	No	1867	76.2%
Sysmiss		7	

P2: vig activity at work: days per week

Data file: tonga2011

Overview

Valid: 592   Invalid: 1865
Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 7   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1		53	9%
2		56	9.5%
3		67	11.3%
4		40	6.8%
5		156	26.4%
6		203	34.3%
7		17	2.9%
Sysmiss		1865	

P3A: vig activity at work: hours per day

Data file: tonga2011

Overview

Valid: 592   Invalid: 1865
Type: Discrete   Decimal: 0   Width: 8   Range: 0 - 15   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		49	8.3%
1		120	20.3%
2		118	19.9%
3		66	11.1%
4		82	13.9%
5		61	10.3%
6		37	6.3%
7		11	1.9%

8		35	5.9%
9		3	0.5%
10		4	0.7%
11		1	0.2%
12		4	0.7%
15		1	0.2%
Sysmiss		1865	

P3B: vig activity at work: mins per day

Data file: tonga2011

Overview

Valid: 592   Invalid: 1865   Minimum: 0   Maximum: 59   Mean: 4.943   Standard deviation: 11.152
Type: Continuous   Decimal: 0   Width: 8   Range: 0 - 59   Format: Numeric

P4: mod activity at work

Data file: tonga2011

Overview

Valid: 2450   Invalid: 7
Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 2   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	1237	50.5%
2	No	1213	49.5%
Sysmiss		7	

P5: mod activity at work: days per week

Data file: tonga2011

Overview

Valid: 1243   Invalid: 1214
Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 7   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1		50	4%
2		95	7.6%
3		157	12.6%
4		82	6.6%
5		329	26.5%
6		437	35.2%
7		93	7.5%
Sysmiss		1214	

P6A: mod activity at work: hours per day

Data file: tonga2011

Overview

Valid: 1243   Invalid: 1214
Type: Discrete   Decimal: 0   Width: 8   Range: 0 - 16   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		150	12.1%
1		239	19.2%
2		291	23.4%
3		177	14.2%
4		149	12%
5		99	8%
6		48	3.9%
7		17	1.4%
8		52	4.2%
9		6	0.5%
10		6	0.5%
12		5	0.4%
16		4	0.3%
Sysmiss		1214	

P6B: mod activity at work: mins per day

Data file: tonga2011

Overview

Valid: 1243   Invalid: 1214   Minimum: 0   Maximum: 59   Mean: 6.409   Standard deviation: 12.87
Type: Continuous   Decimal: 0   Width: 8   Range: 0 - 59   Format: Numeric

P7: active transport

Data file: tonga2011

Overview

Valid: 2450   Invalid: 7
Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 2   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	1663	67.9%
2	No	787	32.1%
Sysmiss		7	

P8: active transport: days per week

Data file: tonga2011

Overview

Valid: 1666   Invalid: 791
Type: Discrete   Decimal: 0   Width: 10   Range: 1 - 77   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1		62	3.7%
2		96	5.8%
3		168	10.1%
4		82	4.9%
5		200	12%
6		207	12.4%
7		850	51%
77	Don't know	1	0.1%
Sysmiss		791	

P9A: active transport: hours per day

Data file: tonga2011

Overview

Valid: 1665   Invalid: 792
Type: Discrete   Decimal: 0   Width: 10   Range: 0 - 77   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		756	45.4%
1		483	29%
2		288	17.3%
3		81	4.9%
4		25	1.5%
5		14	0.8%
6		9	0.5%
7		2	0.1%
10		2	0.1%
12		1	0.1%
15		1	0.1%
16		2	0.1%
77	Don't know	1	0.1%
Sysmiss		792	

P9B: active transport: mins per day

Data file: tonga2011

Overview

Valid: 1665   Invalid: 792
Type: Discrete   Decimal: 0   Width: 10   Range: 0 - 77   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		737	44.3%
1		4	0.2%
5		1	0.1%
8		1	0.1%

10		91	5.5%
12		1	0.1%
15		84	5%
20		135	8.1%
25		12	0.7%
29		1	0.1%
30		461	27.7%
35		10	0.6%
40		27	1.6%
45		73	4.4%
50		17	1%
55		7	0.4%
59		2	0.1%
77	Don't know	1	0.1%
Sysmiss		792	

P10: vig leisure activity

Data file: tonga2011

Overview

Valid: 2450   Invalid: 7
Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 2   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	263	10.7%
2	No	2187	89.3%
Sysmiss		7	

P11: vig leisure activity: days per week

Data file: tonga2011

Overview

Valid: 273   Invalid: 2184
Type: Discrete   Decimal: 0   Width: 10   Range: 1 - 77   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1		51	18.7%
2		42	15.4%
3		54	19.8%
4		17	6.2%
5		48	17.6%
6		48	17.6%
7		9	3.3%
77	Don't know	4	1.5%
Sysmiss		2184	

P12A: vig leisure activity: hours per day

Data file: tonga2011

Overview

Valid: 269   Invalid: 2188
Type: Discrete   Decimal: 0   Width: 10   Range: 0 - 77   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		39	14.5%
1		119	44.2%
2		73	27.1%
3		20	7.4%
4		5	1.9%
5		4	1.5%
6		4	1.5%
7		1	0.4%
9		1	0.4%
12		1	0.4%
77	Don't know	2	0.7%
Sysmiss		2188	

P12B: vig leisure activity: mins per day

Data file: tonga2011

Overview

Valid: 269   Invalid: 2188
Type: Discrete   Decimal: 0   Width: 10   Range: 0 - 77   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		173	64.3%
3		1	0.4%
5		1	0.4%
10		1	0.4%
15		4	1.5%
20		5	1.9%
25		1	0.4%
30		66	24.5%
35		1	0.4%
40		3	1.1%
45		10	3.7%
55		1	0.4%
77	Don't know	2	0.7%
Sysmiss		2188	

P13: mod leisure activity

Data file: tonga2011

Overview

Valid: 2450   Invalid: 7
Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 2   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	399	16.3%
2	No	2051	83.7%
Sysmiss		7	

P14: mod leisure activity: days per week

Data file: tonga2011

Overview

Valid: 408   Invalid: 2049
Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 7   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1		60	14.7%
2		55	13.5%
3		57	14%
4		35	8.6%
5		101	24.8%
6		81	19.9%
7		19	4.7%
Sysmiss		2049	

P15A: mod leisure activity: hours per day

Data file: tonga2011

Overview

Valid: 408   Invalid: 2049
Type: Discrete   Decimal: 0   Width: 10   Range: 0 - 77   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		109	26.7%
1		136	33.3%
2		90	22.1%
3		37	9.1%
4		18	4.4%
5		6	1.5%
6		8	2%
8		1	0.2%

10		1	0.2%
16		1	0.2%
77	Don't know	1	0.2%
Sysmiss		2049	

P15B: mod leisure activity: mins per day

Data file: tonga2011

Overview

Valid: 408   Invalid: 2049
Type: Discrete   Decimal: 0   Width: 10   Range: 0 - 77   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		217	53.2%
2		1	0.2%
10		6	1.5%
15		5	1.2%
20		16	3.9%
25		2	0.5%
26		1	0.2%
30		132	32.4%
36		1	0.2%
40		6	1.5%
45		18	4.4%
50		1	0.2%
55		1	0.2%
77	Don't know	1	0.2%
Sysmiss		2049	

P16A: sedentary time: hours per day

Data file: tonga2011

Overview

Valid: 2450   Invalid: 7
Type: Discrete   Decimal: 0   Width: 10   Range: 0 - 77   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		368	15%
1		460	18.8%
2		578	23.6%
3		345	14.1%
4		238	9.7%
5		189	7.7%
6		105	4.3%
7		19	0.8%
8		72	2.9%
9		16	0.7%
10		24	1%
11		2	0.1%
12		13	0.5%
13		2	0.1%
14		3	0.1%
15		3	0.1%
16		9	0.4%
77	Don't know	4	0.2%
Sysmiss		7	

P16B: sedentary time: mins per day

Data file: tonga2011

Overview

Valid: 2450   Invalid: 7
Type: Discrete   Decimal: 0   Width: 10   Range: 0 - 77   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		1905	77.8%
2		2	0.1%
3		1	0%
5		2	0.1%

10		44	1.8%
15		52	2.1%
18		1	0%
20		61	2.5%
23		1	0%
25		12	0.5%
29		1	0%
30		295	12%
33		1	0%
40		10	0.4%
41		1	0%
45		30	1.2%
50		10	0.4%
51		1	0%
55		12	0.5%
59		4	0.2%
77	Don't know	4	0.2%
Sysmiss		7	

H1: BP ever measured

Data file: tonga2011

Overview

Valid: 2450   Invalid: 7
Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 2   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	1632	66.6%
2	No	818	33.4%
Sysmiss		7	

H2A: ever told had high BP

Data file: tonga2011

Overview

Valid: 1644   Invalid: 813
Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 2   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	259	15.8%
2	No	1385	84.2%
Sysmiss		813	

H2B: told had high BP in past 12 mos

Data file: tonga2011

Overview

Valid: 260   Invalid: 2197
Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 2   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	202	77.7%
2	No	58	22.3%
Sysmiss		2197	

H3A: currently receiving for high BP: drugs

Data file: tonga2011

Overview

Valid: 260   Invalid: 2197
Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 2   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	150	57.7%
2	No	110	42.3%
Sysmiss		2197	

H3B: currently receiving for high BP: advice to reduce salt intake

Data file: tonga2011

Overview

Valid: 260   Invalid: 2197
Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 2   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	201	77.3%
2	No	59	22.7%
Sysmiss		2197	

H3C: currently receiving for high BP: advice/treatment to lose weight

Data file: tonga2011

Overview

Valid: 260   Invalid: 2197
Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 2   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	202	77.7%
2	No	58	22.3%
Sysmiss		2197	

H3D: currently receiving for high BP: advice/treatment to stop smoking

Data file: tonga2011

Overview

Valid: 260   Invalid: 2197
Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 2   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	166	63.8%

2	No	94	36.2%
Sysmiss		2197	

H3E: currently receiving for high BP: advice/treatment to exercise more

Data file: tonga2011

Overview

Valid: 260   Invalid: 2197
Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 2   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	215	82.7%
2	No	45	17.3%
Sysmiss		2197	

H4: ever seen trad'l healer for high BP

Data file: tonga2011

Overview

Valid: 260   Invalid: 2197
Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 2   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	39	15%
2	No	221	85%
Sysmiss		2197	

H5: taking trad'l meds for high BP

Data file: tonga2011

Overview

Valid: 260   Invalid: 2197
Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 2   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	42	16.2%
2	No	218	83.8%
Sysmiss		2197	

H6: ever had gluc measured

Data file: tonga2011

Overview

Valid: 2449   Invalid: 8
Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 2   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	1551	63.3%
2	No	898	36.7%
Sysmiss		8	

H7A: ever told had high gluc

Data file: tonga2011

Overview

Valid: 1563   Invalid: 894
Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 2   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	258	16.5%
2	No	1305	83.5%
Sysmiss		894	

H7B: told had high gluc in past 12 mos

Data file: tonga2011

Overview

Valid: 258   Invalid: 2199
Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 2   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	207	80.2%
2	No	51	19.8%
Sysmiss		2199	

H8A: currently receiving for high gluc: insulin

Data file: tonga2011

Overview

Valid: 258   Invalid: 2199
Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 2   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	41	15.9%
2	No	217	84.1%
Sysmiss		2199	

H8B: currently receiving for high gluc: drugs

Data file: tonga2011

Overview

Valid: 258   Invalid: 2199
Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 2   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	158	61.2%

2	No	100	38.8%
Sysmiss		2199	

H8C: currently receiving for high gluc: special diet

Data file: tonga2011

Overview

Valid: 258   Invalid: 2199
Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 2   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	156	60.5%
2	No	102	39.5%
Sysmiss		2199	

H8D: currently receiving for high gluc: advice/treatment to lose weight

Data file: tonga2011

Overview

Valid: 258   Invalid: 2199
Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 2   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	186	72.1%
2	No	72	27.9%
Sysmiss		2199	

H8E: currently receiving for high gluc: advice/treatment to stop smoking

Data file: tonga2011

Overview

Valid: 258   Invalid: 2199
Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 2   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	156	60.5%
2	No	102	39.5%
Sysmiss		2199	

H8F: currently receiving for high gluc: advice/treatment to exercise more

Data file: tonga2011

Overview

Valid: 258   Invalid: 2199
Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 2   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	201	77.9%
2	No	57	22.1%
Sysmiss		2199	

H9: seen trad'l healer for high gluc in past 12 mos

Data file: tonga2011

Overview

Valid: 258   Invalid: 2199
Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 2   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	37	14.3%
2	No	221	85.7%
Sysmiss		2199	

H10: taking trad'l meds for high gluc

Data file: tonga2011

Overview

Valid: 258   Invalid: 2199
Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 2   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	33	12.8%
2	No	225	87.2%
Sysmiss		2199	

M2A: height device ID

Data file: tonga2011

Overview

Valid: 2352   Invalid: 105   Minimum: 4   Maximum: 175   Mean: 43.753   Standard deviation: 5.955
Type: Continuous   Decimal: 0   Width: 8   Range: 4 - 175   Format: Numeric

M2B: weight device ID

Data file: tonga2011

Overview

Valid: 2352   Invalid: 105   Minimum: 3   Maximum: 100   Mean: 44.758   Standard deviation: 5.949
Type: Continuous   Decimal: 0   Width: 8   Range: 3 - 100   Format: Numeric

M3: height (cm)

Data file: tonga2011

Overview

Valid: 2352   Invalid: 105   Minimum: 100   Maximum: 888.8   Mean: 172.544   Standard deviation: 37.401
Type: Continuous   Decimal: 0   Width: 9   Range: 100 - 888.799987792969   Format: Numeric

M4: weight (kg)

Data file: tonga2011

Overview

Valid: 2352   Invalid: 105   Minimum: 38.3   Maximum: 888.8   Mean: 101.405   Standard deviation: 52.789
Type: Continuous   Decimal: 0   Width: 9   Range: 38.2999992370606 - 888.799987792969   Format: Numeric

M5: pregnant

Data file: tonga2011

Overview

Valid: 1474   Invalid: 983
Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 2   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	57	3.9%
2	No	1417	96.1%
Sysmiss		983	

M6: waist device ID

Data file: tonga2011

Overview

Valid: 2297   Invalid: 160   Minimum: 4   Maximum: 99   Mean: 45.505   Standard deviation: 5.284
Type: Continuous   Decimal: 0   Width: 8   Range: 4 - 99   Format: Numeric

M7: waist circumference (cm)

Data file: tonga2011

Overview

Valid: 2297   Invalid: 160   Minimum: 43   Maximum: 888.8   Mean: 111.677   Standard deviation: 68.725
Type: Continuous   Decimal: 0   Width: 9   Range: 43 - 888.799987792969   Format: Numeric

M9: BP device ID

Data file: tonga2011

Overview

Valid: 2353   Invalid: 104   Minimum: 3   Maximum: 99   Mean: 29.877   Standard deviation: 12.847
Type: Continuous   Decimal: 0   Width: 8   Range: 3 - 99   Format: Numeric

M10: cuff size

Data file: tonga2011

Overview

Valid: 2353   Invalid: 104
Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 88   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	small	18	0.8%
2	medium	1062	45.1%
3	large	1273	54.1%
88	refused	0	0%
Sysmiss		104	

M11A: BP reading 1: systolic

Data file: tonga2011

Overview

Valid: 2353   Invalid: 104   Minimum: 70   Maximum: 236   Mean: 133.564   Standard deviation: 19.497
Type: Continuous   Decimal: 0   Width: 8   Range: 70 - 236   Format: Numeric

M11B: BP reading 1: diastolic

Data file: tonga2011

Overview

Valid: 2353   Invalid: 104   Minimum: 41   Maximum: 154   Mean: 81.551   Standard deviation: 12.137
Type: Continuous   Decimal: 0   Width: 8   Range: 41 - 154   Format: Numeric

M12A: BP reading 2: systolic

Data file: tonga2011

Overview

Valid: 2353   Invalid: 104   Minimum: 74   Maximum: 888   Mean: 137.479   Standard deviation: 73.629
Type: Continuous   Decimal: 0   Width: 8   Range: 74 - 888   Format: Numeric

M12B: BP reading 2: diastolic

Data file: tonga2011

Overview

Valid: 2353   Invalid: 104   Minimum: 43   Maximum: 888   Mean: 86.683   Standard deviation: 76.914
Type: Continuous   Decimal: 0   Width: 8   Range: 43 - 888   Format: Numeric

M13A: BP reading 3: systolic

Data file: tonga2011

Overview

Valid: 2331   Invalid: 126   Minimum: 81   Maximum: 888   Mean: 149.273   Standard deviation: 125.38
Type: Continuous   Decimal: 0   Width: 8   Range: 81 - 888   Format: Numeric

M13B: BP reading 3: diastolic

Data file: tonga2011

Overview

Valid: 2331   Invalid: 126   Minimum: 32   Maximum: 888   Mean: 100.456   Standard deviation: 132.838
Type: Continuous   Decimal: 0   Width: 8   Range: 32 - 888   Format: Numeric

M14: took raised BP meds in past 2 weeks

Data file: tonga2011

Overview

Valid: 2352   Invalid: 105
Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 2   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	160	6.8%
2	No	2192	93.2%
Sysmiss		105	

M15: hip circumference (cm)

Data file: tonga2011

Overview

Valid: 2297   Invalid: 160   Minimum: 45   Maximum: 888.8   Mean: 121.229   Standard deviation: 67.759
Type: Continuous   Decimal: 0   Width: 9   Range: 45 - 888.799987792969   Format: Numeric

B1: ate/drank in past 12 hours (fasting status)

Data file: tonga2011

Overview

Valid: 2338   Invalid: 119
Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 2   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	51	2.2%
2	No	2287	97.8%
Sysmiss		119	

B3: gluc device ID

Data file: tonga2011

Overview

Valid: 2289   Invalid: 168   Minimum: 5   Maximum: 99   Mean: 28.703   Standard deviation: 7.41
Type: Continuous   Decimal: 0   Width: 8   Range: 5 - 99   Format: Numeric

B4A: time blood sample taken (hours)

Data file: tonga2011

Overview

Valid: 2289   Invalid: 168   Minimum: 0   Maximum: 24   Mean: 7.31   Standard deviation: 1.553
Type: Continuous   Decimal: 0   Width: 8   Range: 0 - 24   Format: Numeric

B4B: time blood sample taken (minutes)

Data file: tonga2011

Overview

Valid: 2289   Invalid: 168   Minimum: 0   Maximum: 59   Mean: 29.598   Standard deviation: 17.301
Type: Continuous   Decimal: 0   Width: 8   Range: 0 - 59   Format: Numeric

B5: fasting blood glucose (mmol/l)

Data file: tonga2011

Overview

Valid: 2289   Invalid: 168   Minimum: 2.6   Maximum: 33.3   Mean: 6.548   Standard deviation: 2.556
Type: Continuous   Decimal: 0   Width: 9   Range: 2.59999990463257 - 33.2999992370606   Format: Numeric

B6: took insulin today

Data file: tonga2011

Overview

Valid: 2289   Invalid: 168
Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 2   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	64	2.8%
2	No	2225	97.2%
Sysmiss		168	

B7: chol device ID

Data file: tonga2011

Overview

Valid: 2338   Invalid: 119   Minimum: 0   Maximum: 53   Mean: 33.38   Standard deviation: 6.175
Type: Continuous   Decimal: 0   Width: 8   Range: 0 - 53   Format: Numeric

B8: total cholesterol (mmol/l)

Data file: tonga2011

Overview

Valid: 2338   Invalid: 119   Minimum: 3.88   Maximum: 77.77   Mean: 13.657   Standard deviation: 23.331
Type: Continuous   Decimal: 0   Width: 9   Range: 3.88000011444092 - 77.7699966430664   Format: Numeric

B9: chol meds taken in past 2 weeks

Data file: tonga2011

Overview

Valid: 2337   Invalid: 120
Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 2   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	18	0.8%
2	No	2319	99.2%

Sysmiss		120	

AGERANGE: ageranges for which survey was designed

Data file: tonga2011

Overview

Valid: 2457   Invalid: 0
Type: Discrete   Width: 5   Range: -   Format: character

Questions and instructions

CATEGORIES

Value	Category	Cases	
25-44		1404	57.1%
45-64		1053	42.9%

PSU: psu

Data file: tonga2011

Overview

Valid: 2457   Invalid: 0   Minimum: 1101020   Maximum: 5103010   Mean: 1900787.709   Standard deviation: 944562.054
Type: Continuous   Decimal: 0   Width: 12   Range: 1101020 - 5103010   Format: Numeric

STRATUM: stratum

Data file: tonga2011

Overview

Valid: 2457   Invalid: 0
Type: Discrete   Decimal: 0   Width: 8   Range: 1 - 1   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1		2457	100%

WSTEP1: final analysis weight for step 1 (interview)

Data file: tonga2011

Overview

Valid: 2457   Invalid: 0   Minimum: 0.676   Maximum: 59.014   Mean: 4.045   Standard deviation: 3.417
Type: Continuous   Decimal: 0   Width: 9   Range: 0.675670802593231 - 59.0144805908203   Format: Numeric

WSTEP2: final analysis weight for step 2 (physical measures)

Data file: tonga2011

Overview

Valid: 2457   Invalid: 0   Minimum: 0.676   Maximum: 59.014   Mean: 4.045   Standard deviation: 3.417
Type: Continuous   Decimal: 0   Width: 9   Range: 0.675670802593231 - 59.0144805908203   Format: Numeric

WSTEP3: final analysis weight for step 3 (biochemical measures)

Data file: tonga2011

Overview

Valid: 2457   Invalid: 0   Minimum: 0.676   Maximum: 59.014   Mean: 4.045   Standard deviation: 3.417
Type: Continuous   Decimal: 0   Width: 9   Range: 0.675670802593231 - 59.0144805908203   Format: Numeric

study_resources

questionnaires

Questionnaire

title	Questionnaire
country	Tonga
filename	STEPS_Tonga_2011_Questionnaire.pdf

reports

Report

title	Report
country	Tonga
filename	STEPS_Tonga_2011_Report.pdf

technical_documents

Generic STEPS Questionnaire (version 2.1)

title	Generic STEPS Questionnaire (version 2.1)
filename	STEPS_Instrument_v2-1.pdf