

STEPwise Survey for Non Communicable Diseases Risk Factor 2004

Ministry of Health

report_generated_on: September 16, 2024

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

Identification

SURVEY ID NUMBER

TON_2004_STEPS_v01_M

TITLE

STEPwise Survey for Non Communicable Diseases Risk Factor 2004

ABBREVIATION OR ACRONYM

STEPS 2004

COUNTRY

Name	Country code
Tonga	TON

STUDY TYPE

Other Household Survey [hh/oth]

SERIES INFORMATION

This is the first 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 pressure. Additionally, the following measures were taken: blood pressure, height, weight, waist circumference, hip circumference, fasting blood glucose, total cholesterol, triglycerides and HDL 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
triglycerides
HDL cholesterol

Coverage

GEOGRAPHIC COVERAGE

National coverage

UNIVERSE

Adults aged 15-64 years.

Producers and sponsors

PRIMARY INVESTIGATORS

Name
Ministry of Health

Sampling

SAMPLING PROCEDURE

A multi-stage cluster sample design was used to produce representative data for that age range in Tonga.

RESPONSE RATE

The overall response rate was 80%.

WEIGHTING

Analysis weights are not available.

Data collection

DATES OF DATA COLLECTION

Start	End
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2004-09

2004-09

DATA COLLECTION MODE

Face-to-face [f2f]

DATA COLLECTION NOTES

Accu-Chek Advantage meter 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_2004_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

2020-03-18

DDI DOCUMENT VERSION

Identical to a metadata (TON_2004_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
ton2004 National public-use dataset	958	86

Data file: ton2004

National public-use dataset

Cases: 958

variables: 86

variables

ID	Name	Label	Question
V93	pid	participant ID - unique record ID	
V100	sex	sex	
V101	age	age for analysis	
V102	c4	yrs of education	
V103	c7	work status	
V104	c9a	average household earnings (per week)	
V105	c9b	average household earnings (per month)	
V106	c9c	average household earnings (per year)	
V107	c9d	refused/not applicable average household earnings	
V108	t1	current smoking	
V109	t2	current daily smoking	
V110	t3	age started smoking	
V111	t4a	time since started smoking (years)	
V112	t4b	time since started smoking (months)	
V113	t4c	time since started smoking (weeks)	
V114	t5a	manufactured cigs smoked per day	
V115	t5b	hand-rolled cigs smoked per day	
V116	t5c	pipes smoked per day	
V117	t5d	cigars smoked per day	
V118	t5e	other smoked per day	
V119	t5other	specify other product smoked	
V120	t6	past daily smoking	
V121	a1a	ever drank alcohol	
V122	a1	drank alcohol in past 12 mos	
V123	a2	freq drinking in past 12 mos	
V124	a3	average drinks consumed/day	
V125	a5a	number of drinks consumed last Monday	
V126	a5b	number of drinks consumed last Tuesday	
V127	a5c	number of drinks consumed last Wednesday	
V128	a5d	number of drinks consumed last Thursday	
V129	a5e	number of drinks consumed last Friday	
V130	a5f	number of drinks consumed last Saturday	
V131	a5g	number of drinks consumed last Sunday	
V132	h2	told had high BP in past 12 mos	
V133	h3a	currently receiving for high BP: drugs	
V134	h5	taking trad'l meds for high BP	
V135	d1	days fruit eaten per week	

ID	Name	Label	Question
V136	d2	servings fruit eaten per day	
V137	d3	days veg eaten per week	
V138	d4	servings veg eaten per day	
V139	p1	vig activity at work	
V140	p2	vig activity at work: days per week	
V141	p3a	vig activity at work: hours per day	
V142	p3b	vig activity at work: mins per day	
V143	p4	mod activity at work	
V144	p5	mod activity at work: days per week	
V145	p6a	mod activity at work: hours per day	
V146	p6b	mod activity at work: mins per day	
V147	p7	active transport	
V148	p8	active transport: days per week	
V149	p9a	active transport: hours per day	
V150	p9b	active transport: mins per day	
V151	p10	vig leisure activity	
V152	p11	vig leisure activity: days per week	
V153	p12a	vig leisure activity: hours per day	
V154	p12b	vig leisure activity: mins per day	
V155	p13	mod leisure activity	
V156	p14	mod leisure activity: days per week	
V157	p15a	mod leisure activity: hours per day	
V158	p15b	mod leisure activity: mins per day	
V159	p16a	sedentary time: hours per day	
V160	p16b	sedentary time: mins per day	
V161	m1	technician ID	
V162	m3	height (cm)	
V163	m4	weight (kg)	
V164	m7	waist circumference (cm)	
V165	m8	technician ID	
V166	m9	device ID	
V167	m10	cuff size	
V168	m11a	BP reading 1: systolic	
V169	m11b	BP reading 1: diastolic	
V170	m12a	BP reading 2: systolic	
V171	m12b	BP reading 2: diastolic	
V172	m13a	BP reading 3: systolic	
V173	m13b	BP reading 3: diastolic	
V174	m15	hip circumference	
V175	b1	ate/drank in past 12 hours (fasting status)	
V176	b2	technician ID	
V177	b3	gluc device ID	
V178	b4	time blood sample taken	
V179	b5	fasting blood glucose (mmol/l)	
V180	b6	chol device ID	

ID	Name	Label	Question
V181	b7	total cholesterol (mmol/l)	
V182	b8	triglycerides (mmol/l)	
V183	b9	HDL cholesterol (mmol/l)	
V184	agerange	ageranges for which survey was designed	

total: 86

SEX: sex**Data file: ton2004****Overview**

Valid: 958 Invalid: 0

Type: Discrete Width: 5 Range: - Format: character

Questions and instructions

CATEGORIES

Value	Category	Cases	
men		404	42.2%
women		554	57.8%

AGE: age for analysis**Data file: ton2004****Overview**

Valid: 958 Invalid: 0 Minimum: 15 Maximum: 64 Mean: 40.056 Standard deviation: 12.041

Type: Continuous Decimal: 0 Width: 8 Range: 15 - 64 Format: Numeric

C4: yrs of education**Data file: ton2004****Overview**

Valid: 941 Invalid: 17

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

Questions and instructions

CATEGORIES

Value	Category	Cases	
1		1	0.1%
2		1	0.1%
4		2	0.2%
5		13	1.4%
6		69	7.3%
7		30	3.2%
8		48	5.1%
9		96	10.2%
10		149	15.8%

11		218	23.2%
12		188	20%
13		54	5.7%
14		22	2.3%
15		18	1.9%
16		8	0.9%
17		9	1%
18		7	0.7%
19		2	0.2%
20		2	0.2%
77	Don't know	4	0.4%
Sysmiss		17	

C7: work status

Data file: ton2004

Overview

Valid: 953 Invalid: 5

Type: Discrete Decimal: 0 Width: 27 Range: 1 - 88 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Government employee	100	10.5%
2	Non-government employee	107	11.2%
3	Self-employed	33	3.5%
4	Non-paid	44	4.6%
5	Student	18	1.9%
6	Homemaker	407	42.7%
7	Retired	48	5%
8	Unemployed (able to work)	8	0.8%
9	Unemployed (unable to work)	187	19.6%
88	Refused	1	0.1%
Sysmiss		5	

C9A: average household earnings (per week)

Data file: ton2004

Overview

Valid: 181 Invalid: 777 Minimum: 30 Maximum: 114000 Mean: 967.884 Standard deviation: 8552.01
 Type: Continuous Decimal: 0 Width: 12 Range: 30 - 114000 Format: Numeric

C9B: average household earnings (per month)

Data file: ton2004

Overview

Valid: 31 Invalid: 927 Minimum: 70 Maximum: 1800 Mean: 562.806 Standard deviation: 435.285
 Type: Continuous Decimal: 0 Width: 8 Range: 70 - 1800 Format: Numeric

C9C: average household earnings (per year)

Data file: ton2004

Overview

Valid: 23 Invalid: 935 Minimum: 0 Maximum: 7777777 Mean: 683371.739 Standard deviation: 2238597.487
 Type: Continuous Decimal: 0 Width: 12 Range: 0 - 7777777 Format: Numeric

C9D: refused/not applicable average household earnings

Data file: ton2004

Overview

Valid: 0 Invalid: 958
 Type: Discrete Decimal: 0 Width: 8 Range: - Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
Sysmiss	

T1: current smoking

Data file: ton2004

Overview

Valid: 958 Invalid: 0
 Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	262	27.3%
2	No	696	72.7%

PID: participant ID - unique record ID

Data file: ton2004

Overview

Valid: 958 Invalid: 0 Minimum: 20040001 Maximum: 20041024 Mean: 20040511.414 Standard deviation: 296.732

Type: Continuous Decimal: 0 Width: 12 Range: 20040001 - 20041024 Format: Numeric

T2: current daily smoking

Data file: ton2004

Overview

Valid: 259 Invalid: 699

Type: Discrete Decimal: 0 Width: 10 Range: 1 - 7 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	224	86.5%
2	No	33	12.7%
7	Don't know	2	0.8%
Sysmiss		699	

T3: age started smoking

Data file: ton2004

Overview

Valid: 224 Invalid: 734

Type: Discrete Decimal: 0 Width: 10 Range: 9 - 77 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
9		1	0.4%
10		3	1.3%

11		5	2.2%
12		3	1.3%
13		5	2.2%
14		10	4.5%
15		21	9.4%
16		13	5.8%
17		15	6.7%
18		25	11.2%
19		14	6.3%
20		18	8%
21		8	3.6%
22		7	3.1%
23		5	2.2%
24		6	2.7%
25		7	3.1%
26		2	0.9%
27		5	2.2%
28		2	0.9%
29		1	0.4%
30		3	1.3%
31		1	0.4%
32		1	0.4%
35		3	1.3%
36		1	0.4%
40		1	0.4%
47		1	0.4%
51		1	0.4%
52		1	0.4%
77	Don't know	35	15.6%
Sysmiss		734	

T4A: time since started smoking (years)**Data file: ton2004****Overview**

Valid: 32 Invalid: 926

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

Questions and instructions

CATEGORIES

Value	Category	Cases	
1		1	3.1%
38		1	3.1%
45		1	3.1%
77	Don't know	29	90.6%
Sysmiss		926	

T4B: time since started smoking (months)

Data file: ton2004

Overview

Valid: 4 Invalid: 954

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

Questions and instructions

CATEGORIES

Value	Category	Cases	
77	Don't know	4	100%
Sysmiss		954	

T4C: time since started smoking (weeks)

Data file: ton2004

Overview

Valid: 4 Invalid: 954

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

Questions and instructions

CATEGORIES

Value	Category	Cases	
77	Don't know	4	100%
Sysmiss		954	

T5A: manufactured cigs smoked per day**Data file: ton2004****Overview**

Valid: 197 Invalid: 761

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

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		4	2%
1		8	4.1%
2		4	2%
3		6	3%
4		9	4.6%
5		20	10.2%
6		9	4.6%
7		4	2%
8		13	6.6%
9		2	1%
10		26	13.2%
11		1	0.5%
12		4	2%
13		5	2.5%
14		2	1%
15		17	8.6%
16		4	2%
18		3	1.5%
20		20	10.2%
21		1	0.5%
23		1	0.5%
25		13	6.6%
29		1	0.5%
30		2	1%
31		1	0.5%
39		1	0.5%
40		1	0.5%
50		4	2%
60		1	0.5%
77	Don't know	10	5.1%

Sysmiss		761	
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T5B: hand-rolled cigs smoked per day

Data file: ton2004

Overview

Valid: 43 Invalid: 915

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

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		5	11.6%
4		1	2.3%
5		2	4.7%
6		2	4.7%
8		6	14%
10		4	9.3%
12		1	2.3%
15		5	11.6%
20		8	18.6%
22		1	2.3%
25		1	2.3%
28		1	2.3%
30		2	4.7%
77	Don't know	4	9.3%
Sysmiss		915	

T5C: pipes smoked per day

Data file: ton2004

Overview

Valid: 14 Invalid: 944

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

Questions and instructions

CATEGORIES

Value	Category	Cases	
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0		13	92.9%
77	Don't know	1	7.1%
Sysmiss		944	

T5D: cigars smoked per day

Data file: ton2004

Overview

Valid: 13 Invalid: 945

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

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		13	100%
77	Don't know	0	0%
Sysmiss		945	

T5E: other smoked per day

Data file: ton2004

Overview

Valid: 16 Invalid: 942

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

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		13	81.3%
2		1	6.3%
77	Don't know	2	12.5%
Sysmiss		942	

T5OTHER: specify other product smoked

Data file: ton2004

Overview

Valid: 1 Invalid: 0

Type: Discrete Width: 14 Range: - Format: character

Questions and instructions

CATEGORIES

Value	Category	Cases	
TONGAN TOBACCO		1	100%

T6: past daily smoking

Data file: ton2004

Overview

Valid: 316 Invalid: 642

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

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	25	7.9%
2	No	291	92.1%
Sysmiss		642	

A1A: ever drank alcohol

Data file: ton2004

Overview

Valid: 955 Invalid: 3

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

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	123	12.9%
2	No	832	87.1%
Sysmiss		3	

A1: drank alcohol in past 12 mos

Data file: ton2004

Overview

Valid: 952 Invalid: 6

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

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	77	8.1%
2	No	875	91.9%
Sysmiss		6	

A2: freq drinking in past 12 mos**Data file: ton2004****Overview**

Valid: 74 Invalid: 884

Type: Discrete Decimal: 0 Width: 22 Range: 1 - 5 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Daily	0	0%
2	5-6 days per week	2	2.7%
3	1-4 days per week	18	24.3%
4	1-3 days per month	20	27%
5	Less than once a month	34	45.9%
Sysmiss		884	

A3: average drinks consumed/day**Data file: ton2004****Overview**

Valid: 74 Invalid: 884

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

Questions and instructions

CATEGORIES

Value	Category	Cases	
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1		4	5.4%
2		3	4.1%
3		4	5.4%
4		4	5.4%
5		4	5.4%
6		9	12.2%
7		1	1.4%
8		5	6.8%
10		9	12.2%
12		6	8.1%
15		5	6.8%
18		1	1.4%
20		1	1.4%
25		3	4.1%
35		1	1.4%
77	Don't know	14	18.9%
Sysmiss		884	

A5A: number of drinks consumed last Monday

Data file: ton2004

Overview

Valid: 31 Invalid: 927

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

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		25	80.6%
77	Don't know	6	19.4%
Sysmiss		927	

A5B: number of drinks consumed last Tuesday

Data file: ton2004

Overview

Valid: 32 Invalid: 926

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

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		25	78.1%
3		1	3.1%
10		1	3.1%
77	Don't know	5	15.6%
Sysmiss		926	

A5C: number of drinks consumed last Wednesday

Data file: ton2004

Overview

Valid: 31 Invalid: 927

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

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		23	74.2%
3		1	3.2%
5		1	3.2%
12		1	3.2%
77	Don't know	5	16.1%
Sysmiss		927	

A5D: number of drinks consumed last Thursday

Data file: ton2004

Overview

Valid: 32 Invalid: 926

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

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		22	68.8%

1		1	3.1%
2		1	3.1%
5		1	3.1%
6		1	3.1%
12		1	3.1%
77	Don't know	5	15.6%
Sysmiss		926	

A5E: number of drinks consumed last Friday

Data file: ton2004

Overview

Valid: 46 Invalid: 912

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

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		12	26.1%
1		2	4.3%
2		3	6.5%
3		1	2.2%
4		2	4.3%
5		2	4.3%
6		3	6.5%
7		2	4.3%
8		3	6.5%
10		2	4.3%
12		1	2.2%
15		1	2.2%
17		1	2.2%
20		1	2.2%
25		1	2.2%
77	Don't know	9	19.6%
Sysmiss		912	

A5F: number of drinks consumed last Saturday**Data file: ton2004****Overview**

Valid: 44 Invalid: 914

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

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		22	50%
2		2	4.5%
6		2	4.5%
8		4	9.1%
10		1	2.3%
12		1	2.3%
15		3	6.8%
18		1	2.3%
25		1	2.3%
35		1	2.3%
77	Don't know	6	13.6%
Sysmiss		914	

A5G: number of drinks consumed last Sunday**Data file: ton2004****Overview**

Valid: 31 Invalid: 927

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

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		25	80.6%
10		1	3.2%
77	Don't know	5	16.1%
Sysmiss		927	

H2: told had high BP in past 12 mos**Data file: ton2004****Overview**

Valid: 954 Invalid: 4

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

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	56	5.9%
2	No	898	94.1%
Sysmiss		4	

H3A: currently receiving for high BP: drugs**Data file: ton2004****Overview**

Valid: 56 Invalid: 902

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

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	31	55.4%
2	No	25	44.6%
Sysmiss		902	

H5: taking trad'l meds for high BP**Data file: ton2004****Overview**

Valid: 48 Invalid: 910

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

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	5	10.4%

2	No	43	89.6%
Sysmiss		910	

D1: days fruit eaten per week

Data file: ton2004

Overview

Valid: 957 Invalid: 1

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

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		58	6.1%
1		172	18%
2		318	33.2%
3		202	21.1%
4		32	3.3%
5		21	2.2%
6		8	0.8%
7		146	15.3%
77	Don't know	0	0%
Sysmiss		1	

D2: servings fruit eaten per day

Data file: ton2004

Overview

Valid: 898 Invalid: 60

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

Questions and instructions

CATEGORIES

Value	Category	Cases	
1		139	15.5%
2		214	23.8%
3		90	10%
4		183	20.4%

5		188	20.9%
6		44	4.9%
7		16	1.8%
8		9	1%
9		2	0.2%
10		13	1.4%
77	Don't know	0	0%
Sysmiss		60	

D3: days veg eaten per week

Data file: ton2004

Overview

Valid: 956 Invalid: 2

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

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		19	2%
1		75	7.8%
2		194	20.3%
3		209	21.9%
4		55	5.8%
5		48	5%
6		12	1.3%
7		344	36%
77	Don't know	0	0%
Sysmiss		2	

D4: servings veg eaten per day

Data file: ton2004

Overview

Valid: 936 Invalid: 22

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

Questions and instructions

CATEGORIES

Value	Category	Cases	
1		206	22%
2		682	72.9%
3		41	4.4%
4		4	0.4%
5		2	0.2%
77	Don't know	1	0.1%
Sysmiss		22	

P1: vig activity at work

Data file: ton2004

Overview

Valid: 953 Invalid: 5

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

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	181	19%
2	No	772	81%
Sysmiss		5	

P2: vig activity at work: days per week

Data file: ton2004

Overview

Valid: 180 Invalid: 778

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 7 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1		6	3.3%
2		8	4.4%

3		20	11.1%
4		16	8.9%
5		32	17.8%
6		93	51.7%
7		5	2.8%
Sysmiss		778	

P3A: vig activity at work: hours per day

Data file: ton2004

Overview

Valid: 177 Invalid: 781

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 10 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1		11	6.2%
2		22	12.4%
3		30	16.9%
4		48	27.1%
5		23	13%
6		23	13%
7		4	2.3%
8		9	5.1%
9		4	2.3%
10		3	1.7%
Sysmiss		781	

P3B: vig activity at work: mins per day

Data file: ton2004

Overview

Valid: 178 Invalid: 780 Minimum: 0 Maximum: 30 Mean: 1.011 Standard deviation: 5.43

Type: Continuous Decimal: 0 Width: 8 Range: 0 - 30 Format: Numeric

P4: mod activity at work

Data file: ton2004

Overview

Valid: 953 Invalid: 5

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

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	310	32.5%
2	No	643	67.5%
Sysmiss		5	

P5: mod activity at work: days per week**Data file: ton2004****Overview**

Valid: 305 Invalid: 653

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 7 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1		14	4.6%
2		25	8.2%
3		24	7.9%
4		23	7.5%
5		63	20.7%
6		99	32.5%
7		57	18.7%
Sysmiss		653	

P6A: mod activity at work: hours per day**Data file: ton2004****Overview**

Valid: 301 Invalid: 657

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 16 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		10	3.3%
1		43	14.3%
2		64	21.3%
3		41	13.6%
4		62	20.6%
5		18	6%
6		20	6.6%
7		8	2.7%
8		31	10.3%
9		3	1%
16		1	0.3%
Sysmiss		657	

P6B: mod activity at work: mins per day

Data file: ton2004

Overview

Valid: 305 Invalid: 653 Minimum: 0 Maximum: 50 Mean: 2.059 Standard deviation: 7.576
 Type: Continuous Decimal: 0 Width: 8 Range: 0 - 50 Format: Numeric

P7: active transport

Data file: ton2004

Overview

Valid: 949 Invalid: 9
 Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	576	60.7%
2	No	373	39.3%
Sysmiss		9	

P8: active transport: days per week**Data file: ton2004****Overview**

Valid: 571 Invalid: 387

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 7 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1		34	6%
2		52	9.1%
3		75	13.1%
4		30	5.3%
5		71	12.4%
6		105	18.4%
7		204	35.7%
Sysmiss		387	

P9A: active transport: hours per day**Data file: ton2004****Overview**

Valid: 538 Invalid: 420

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 18 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		238	44.2%
1		165	30.7%
2		82	15.2%
3		21	3.9%
4		20	3.7%
5		4	0.7%
6		2	0.4%
7		2	0.4%
8		1	0.2%
10		2	0.4%

18		1	0.2%
Sysmiss		420	

P9B: active transport: mins per day**Data file: ton2004****Overview**

Valid: 569 Invalid: 389 Minimum: 0 Maximum: 45 Mean: 13.485 Standard deviation: 13.595
 Type: Continuous Decimal: 0 Width: 8 Range: 0 - 45 Format: Numeric

P10: vig leisure activity**Data file: ton2004****Overview**

Valid: 952 Invalid: 6
 Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	62	6.5%
2	No	890	93.5%
Sysmiss		6	

P11: vig leisure activity: days per week**Data file: ton2004****Overview**

Valid: 60 Invalid: 898
 Type: Discrete Decimal: 0 Width: 8 Range: 1 - 7 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1		2	3.3%
2		5	8.3%
3		11	18.3%
4		7	11.7%

5		19	31.7%
6		15	25%
7		1	1.7%
Sysmiss		898	

P12A: vig leisure activity: hours per day

Data file: ton2004

Overview

Valid: 60 Invalid: 898

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 8 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		5	8.3%
1		24	40%
2		14	23.3%
3		6	10%
4		5	8.3%
5		3	5%
6		2	3.3%
8		1	1.7%
Sysmiss		898	

P12B: vig leisure activity: mins per day

Data file: ton2004

Overview

Valid: 60 Invalid: 898 Minimum: 0 Maximum: 45 Mean: 5 Standard deviation: 11.608

Type: Continuous Decimal: 0 Width: 8 Range: 0 - 45 Format: Numeric

P13: mod leisure activity

Data file: ton2004

Overview

Valid: 952 Invalid: 6

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

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	105	11%
2	No	847	89%
Sysmiss		6	

P14: mod leisure activity: days per week

Data file: ton2004

Overview

Valid: 91 Invalid: 867

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 7 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1		5	5.5%
2		14	15.4%
3		16	17.6%
4		9	9.9%
5		25	27.5%
6		19	20.9%
7		3	3.3%
Sysmiss		867	

P15A: mod leisure activity: hours per day

Data file: ton2004

Overview

Valid: 92 Invalid: 866

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 8 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		15	16.3%

1		28	30.4%
2		20	21.7%
3		15	16.3%
4		11	12%
5		1	1.1%
7		1	1.1%
8		1	1.1%
Sysmiss		866	

P15B: mod leisure activity: mins per day

Data file: ton2004

Overview

Valid: 93 Invalid: 865 Minimum: 0 Maximum: 45 Mean: 7.688 Standard deviation: 13.363
 Type: Continuous Decimal: 0 Width: 8 Range: 0 - 45 Format: Numeric

P16A: sedentary time: hours per day

Data file: ton2004

Overview

Valid: 946 Invalid: 12 Minimum: 0 Maximum: 70 Mean: 3.831 Standard deviation: 5.02
 Type: Continuous Decimal: 0 Width: 8 Range: 0 - 70 Format: Numeric

P16B: sedentary time: mins per day

Data file: ton2004

Overview

Valid: 944 Invalid: 14 Minimum: 0 Maximum: 45 Mean: 2.416 Standard deviation: 8.243
 Type: Continuous Decimal: 0 Width: 8 Range: 0 - 45 Format: Numeric

M1: technician ID

Data file: ton2004

Overview

Valid: 956 Invalid: 2 Minimum: 2 Maximum: 94 Mean: 32.546 Standard deviation: 15.769
 Type: Continuous Decimal: 0 Width: 8 Range: 2 - 94 Format: Numeric

M3: height (cm)

Data file: ton2004

Overview

Valid: 958 Invalid: 0 Minimum: 73.4 Maximum: 195 Mean: 169.849 Standard deviation: 8.98
 Type: Continuous Decimal: 0 Width: 9 Range: 73.4000015258789 - 195 Format: Numeric

M4: weight (kg)

Data file: ton2004

Overview

Valid: 958 Invalid: 0 Minimum: 52.4 Maximum: 635 Mean: 96.548 Standard deviation: 25.697
 Type: Continuous Decimal: 0 Width: 9 Range: 52.4000015258789 - 635 Format: Numeric

M7: waist circumference (cm)

Data file: ton2004

Overview

Valid: 958 Invalid: 0 Minimum: 32 Maximum: 199.9 Mean: 103.418 Standard deviation: 17.34
 Type: Continuous Decimal: 0 Width: 9 Range: 32 - 199.899993896484 Format: Numeric

M8: technician ID

Data file: ton2004

Overview

Valid: 949 Invalid: 9 Minimum: 3 Maximum: 113 Mean: 28.274 Standard deviation: 17.134
 Type: Continuous Decimal: 0 Width: 8 Range: 3 - 113 Format: Numeric

M9: device ID

Data file: ton2004

Overview

Valid: 948 Invalid: 10 Minimum: 4 Maximum: 67 Mean: 22.574 Standard deviation: 11.913
 Type: Continuous Decimal: 0 Width: 8 Range: 4 - 67 Format: Numeric

M10: cuff size

Data file: ton2004

Overview

Valid: 941 Invalid: 17
 Type: Discrete Decimal: 0 Width: 8 Range: 1 - 3 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	small	257	27.3%
2	medium	477	50.7%
3	large	207	22%
Sysmiss		17	

M11A: BP reading 1: systolic**Data file: ton2004****Overview**

Valid: 958 Invalid: 0 Minimum: 73 Maximum: 236 Mean: 130.053 Standard deviation: 20.104
 Type: Continuous Decimal: 0 Width: 8 Range: 73 - 236 Format: Numeric

M11B: BP reading 1: diastolic**Data file: ton2004****Overview**

Valid: 958 Invalid: 0 Minimum: 38 Maximum: 161 Mean: 76.339 Standard deviation: 13.418
 Type: Continuous Decimal: 0 Width: 8 Range: 38 - 161 Format: Numeric

M12A: BP reading 2: systolic**Data file: ton2004****Overview**

Valid: 958 Invalid: 0 Minimum: 76 Maximum: 203 Mean: 125.136 Standard deviation: 17.474
 Type: Continuous Decimal: 0 Width: 8 Range: 76 - 203 Format: Numeric

M12B: BP reading 2: diastolic**Data file: ton2004****Overview**

Valid: 958 Invalid: 0 Minimum: 42 Maximum: 840 Mean: 75.757 Standard deviation: 28.237
 Type: Continuous Decimal: 0 Width: 8 Range: 42 - 840 Format: Numeric

M13A: BP reading 3: systolic**Data file: ton2004****Overview**

Valid: 957 Invalid: 1 Minimum: 64 Maximum: 215 Mean: 124.714 Standard deviation: 17.918

Type: Continuous Decimal: 0 Width: 8 Range: 64 - 215 Format: Numeric

M13B: BP reading 3: diastolic

Data file: ton2004

Overview

Valid: 957 Invalid: 1 Minimum: 7 Maximum: 830 Mean: 75.079 Standard deviation: 27.234
 Type: Continuous Decimal: 0 Width: 8 Range: 7 - 830 Format: Numeric

M15: hip circumference

Data file: ton2004

Overview

Valid: 958 Invalid: 0 Minimum: 68 Maximum: 666.6 Mean: 116.049 Standard deviation: 22.691
 Type: Continuous Decimal: 0 Width: 9 Range: 68 - 666.599975585938 Format: Numeric

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

Data file: ton2004

Overview

Valid: 933 Invalid: 25
 Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	406	43.5%
2	No	527	56.5%
Sysmiss		25	

B2: technician ID

Data file: ton2004

Overview

Valid: 958 Invalid: 0 Minimum: 3 Maximum: 35 Mean: 4.082 Standard deviation: 2.681
 Type: Continuous Decimal: 0 Width: 8 Range: 3 - 35 Format: Numeric

B3: gluc device ID

Data file: ton2004

Overview

Valid: 958 Invalid: 0 Minimum: 13 Maximum: 35 Mean: 24.055 Standard deviation: 1.137
 Type: Continuous Decimal: 0 Width: 8 Range: 13 - 35 Format: Numeric

B4: time blood sample taken

Data file: ton2004

Overview

Valid: 952 Invalid: 6 Minimum: 2.12 Maximum: 19.25 Mean: 9.044 Standard deviation: 1.255
 Type: Continuous Decimal: 0 Width: 9 Range: 2.11999988555908 - 19.25 Format: Numeric

B5: fasting blood glucose (mmol/l)

Data file: ton2004

Overview

Valid: 956 Invalid: 2 Minimum: 2.8 Maximum: 25.3 Mean: 5.694 Standard deviation: 2.122
 Type: Continuous Decimal: 0 Width: 9 Range: 2.79999995231628 - 25.2999992370605 Format: Numeric

B6: chol device ID

Data file: ton2004

Overview

Valid: 950 Invalid: 8 Minimum: 2 Maximum: 45 Mean: 24.022 Standard deviation: 1.615
 Type: Continuous Decimal: 0 Width: 8 Range: 2 - 45 Format: Numeric

B7: total cholesterol (mmol/l)

Data file: ton2004

Overview

Valid: 956 Invalid: 2 Minimum: 2.59 Maximum: 8.33 Mean: 4.952 Standard deviation: 1.025
 Type: Continuous Decimal: 0 Width: 9 Range: 2.58999991416931 - 8.32999992370606 Format: Numeric

B8: triglycerides (mmol/l)

Data file: ton2004

Overview

Valid: 958 Invalid: 0 Minimum: 0.09 Maximum: 7.34 Mean: 1.461 Standard deviation: 0.965
 Type: Continuous Decimal: 0 Width: 9 Range: 0.0900000035762787 - 7.34000015258789 Format: Numeric

B9: HDL cholesterol (mmol/l)**Data file: ton2004****Overview**

Valid: 954 Invalid: 4 Minimum: 0.09 Maximum: 9.99 Mean: 1.098 Standard deviation: 0.643
 Type: Continuous Decimal: 0 Width: 9 Range: 0.0900000035762787 - 9.98999977111816 Format: Numeric

AGERANGE: ageranges for which survey was designed**Data file: ton2004****Overview**

Valid: 958 Invalid: 0
 Type: Discrete Width: 5 Range: - Format: character

Questions and instructions

CATEGORIES

Value	Category	Cases	
15-24		109	11.4%
25-34		205	21.4%
35-44		295	30.8%
45-54		221	23.1%
55-64		128	13.4%

study_resources

questionnaires

Questionnaire

title Questionnaire
country Tonga
filename STEPS_Tonga_2004_Questionnaire.pdf

reports

Fact Sheet

title Fact Sheet
country Tonga
filename STEPS_Tonga_2004_FactSheet.pdf

Report

title Report
country Tonga
filename STEPS_Tonga_2004_Report.pdf

technical_documents

Generic STEPS Questionnaire (version 1.4)

title Generic STEPS Questionnaire (version 1.4)
filename STEPS_Instrument_v1-4.pdf
