

STEPwise Survey for Non Communicable Diseases Risk Factor 2004

Kiribati Ministry of Health and Medical Services

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Identification

SURVEY ID NUMBER
KIR_2004_STEPS_v01_M

TITLE
STEPwise Survey for Non Communicable Diseases Risk Factor 2004

COUNTRY

Name	Country code
Kiribati	KIR

STUDY TYPE
Other Household Survey [hh/oth]

SERIES INFORMATION
This is the first STEPS conducted by Kiribati.

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, heart rate, fasting blood glucose, total cholesterol and haemoglobin.

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 15-64 years.

Producers and sponsors

PRIMARY INVESTIGATORS

Name
Kiribati Ministry of Health and Medical Services

PRODUCERS

Name
Fiji School of Medicine
Centre for Physical Activity and Health, University of Sydney

Sampling

SAMPLING PROCEDURE

A multi-stage cluster sample design was used to produce representative data for that age range in Kiribati. Please refer to page 18 of report for further information.

WEIGHTING

Analysis weights reflect adjustments 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.

Please refer to page 23 of report for further information.

data_collection

DATES OF DATA COLLECTION

Start	End
2004-01	2006-10

DATA COLLECTION MODE

Face-to-face [f2f]

DATA COLLECTION NOTES

Advantage Complete was used for glucose measurements.

Accutrend GC was used for cholesterol 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_KIR_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
2019-12-21

DDI DOCUMENT VERSION

Identical to a metadata (KIR_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
KIR2004 National public-use dataset	1755	126

Data file: KIR2004

National public-use dataset

Cases: 1755

variables: 126

variables

ID	Name	Label	Question
V505	id	ID	
V506	i8	interview language	
V507	sex	sex	
V508	age	age for analysis	
V509	c4	yrs of education	
V510	c5	ethnic group	
V511	c6	highest level of education	
V512	c7	work status	
V513	c8	adults older than 18yrs in household	
V514	c9a	household earnings per week	
V515	c9b	household earnings per month	
V516	c9c	household earnings per year	
V517	c9d	household earnings refused	
V518	t1	current smoking	
V519	t2	current daily smoking	
V520	t3	age started smoking	
V521	t4a	time since started smoking (years)	
V522	t4b	time since started smoking (months)	
V523	t4c	time since started smoking (weeks)	
V524	t5a	manufactured cigs smoked per day	
V525	t5b	hand-rolled cigs smoked per day	
V526	t5c	pipes smoked per day	
V527	t5d	cigars smoked per day	
V528	t5e	other smoked per day	
V529	t5other	specify other product smoked	
V530	t6	past daily smoking	
V531	t7	age quit smoking	
V532	t8a	time since quitting smoking (years)	
V533	t8b	time since quitting smoking (months)	
V534	t8c	time since quitting smoking (weeks)	
V535	a1	drank alcohol in past 12 mos	
V536	a2	freq drinking in past 12 mos	
V537	a3	average drinks during one day	
V538	a5a	number of drinks consumed last Monday	
V539	a5b	number of drinks consumed last Tuesday	
V540	a5c	number of drinks consumed last Wednesday	
V541	a5d	number of drinks consumed last Thursday	

ID	Name	Label	Question
V542	a5e	number of drinks consumed last Friday	
V543	a5f	number of drinks consumed last Saturday	
V544	a5g	number of drinks consumed last Sunday	
V545	d1	days fruit eaten per week	
V546	d2	servings fruit eaten per day	
V547	d3	days veg eaten per week	
V548	d4	servings veg eaten per day	
V549	d5	oil used most often	
V550	d5other	other oil used most often	
V551	p1	vig activity at work	
V552	p2	vig activity at work: days per week	
V553	p3a	vig activity at work: hours per day	
V554	p3b	vig activity at work: mins per day	
V555	p4	mod activity at work	
V556	p5	mod activity at work: days per week	
V557	p6a	mod activity at work: hours per day	
V558	p6b	mod activity at work: mins per day	
V559	p7	active transport	
V560	p8	active transport: days per week	
V561	p9a	active transport: hours per day	
V562	p9b	active transport: mins per day	
V563	p10	vig leisure activity	
V564	p11	vig leisure activity: days per week	
V565	p12a	vig leisure activity: hours per day	
V566	p12b	vig leisure activity: mins per day	
V567	p13	mod leisure activity	
V568	p14	mod leisure activity: days per week	
V569	p15a	mod leisure activity: hours per day	
V570	p15b	mod leisure activity: mins per day	
V571	p16a	sedentary time: hours per day	
V572	p16b	sedentary time: mins per day	
V573	h1	BP last measured	
V574	h2	told had high BP in past 12 mos	
V575	h3a	currently receiving for high BP: drugs	
V576	h3b	currently receiving for high BP: special diet	
V577	h3c	currently receiving for high BP: advice/treatment to lose weight	
V578	h3d	currently receiving for high BP: advice/treatment to stop smoking	
V579	h3e	currently receiving for high BP: advice/treatment to exercise more	
V580	h4	ever seen trad'l healer for high BP	
V581	h5	taking trad'l meds for high BP	
V582	x11	gluc last measured	
V583	x12	ever told have diabetes	
V584	h6	gluc measured past 12 mos	
V585	h7	told had high gluc in past 12 mos	
V586	h8a	currently receiving for high gluc: insulin	

ID	Name	Label	Question
V587	h8b	currently receiving for high gluc: drugs	
V588	h8c	currently receiving for high gluc: special diet	
V589	h8d	currently receiving for high gluc: advice/treatment to lose weight	
V590	h8e	currently receiving for high gluc: advice/treatment to stop smoking	
V591	h8f	currently receiving for high gluc: advice/treatment to exercise more	
V592	h9	seen trad'l healer for high gluc in past 12 mos	
V593	h10	taking trad'l meds for high gluc	
V594	m1	interviewer ID	
V595	m2a	height device ID	
V596	m2b	weight device ID	
V597	m3	height (cm)	
V598	m4	weight (kg)	
V599	m5	pregnant	
V600	m6	waist device ID	
V601	m7	waist circumference (cm)	
V602	m8	interviewer ID	
V603	m9	interviewer ID	
V604	m10	cuff size	
V605	m11a	BP reading 1: systolic	
V606	m11b	BP reading 1: diastolic	
V607	m12a	BP reading 2: systolic	
V608	m12b	BP reading 2: diastolic	
V609	m13a	BP reading 3: systolic	
V610	m13b	BP reading 3: diastolic	
V611	m14	took raised BP meds in past 2 weeks	
V612	m15	hip circumference (cm)	
V613	m16a	heart rate reading 1	
V614	m16b	heart rate reading 2	
V615	m16c	heart rate reading 3	
V616	b1	ate/drank in past 12 hours (fasting status)	
V617	b2	technician ID	
V618	b3	gluc device ID	
V619	b4hr	time blood sample taken (hours)	
V620	b4min	time blood sample taken (minutes)	
V621	b5	fasting blood glucose (mmol/l)	
V622	b6	chol device ID	
V623	b7	total cholesterol (mmol/l)	
V624	x21	haemoglobin	
V625	agerange	ageranges for which survey was designed	
V626	wstep1	final analysis weight for step 1 (interview) - pop adjusted only	
V627	wstep2	final analysis weight for step 2 (physical measures) - pop adjusted only	
V628	wstep3	final analysis weight for step 3 (biochemical measures) - pop adjusted only	
V629	stratum	stratum	
V630	psu	psu	

total: 126

ID: ID

Data file: KIR2004

Overview

Valid: 1755 Invalid: 0 Minimum: 1001 Maximum: 43035 Mean: 20553.86 Standard deviation: 12767.279
Type: Continuous Decimal: 0 Width: 10 Range: 1001 - 43035 Format: Numeric

I8: interview language

Data file: KIR2004

Overview

Valid: 1752 Invalid: 3
Type: Discrete Decimal: 0 Width: 10 Range: 1 - 2 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	English	72	4.1%
2	Kiribati	1680	95.9%
Sysmiss		3	

SEX: sex

Data file: KIR2004

Overview

Valid: 1755 Invalid: 0
Type: Discrete Width: 5 Range: - Format: character

Questions and instructions

CATEGORIES

Value	Category	Cases	
Men		785	44.7%
Women		970	55.3%

AGE: age for analysis

Data file: KIR2004

Overview

Valid: 1755 Invalid: 0 Minimum: 15 Maximum: 64 Mean: 37.275 Standard deviation: 13.182
Type: Continuous Decimal: 0 Width: 10 Range: 15 - 64 Format: Numeric

C4: yrs of education

Data file: KIR2004

Overview

Valid: 1735 Invalid: 20
Type: Discrete Decimal: 0 Width: 10 Range: 0 - 77 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		15	0.9%
1		12	0.7%
2		36	2.1%
3		68	3.9%
4		93	5.4%
5		76	4.4%
6		87	5%
7		101	5.8%
8		106	6.1%
9		553	31.9%
10		127	7.3%
11		107	6.2%
12		154	8.9%
13		93	5.4%
14		57	3.3%
15		21	1.2%
16		8	0.5%
17		9	0.5%
18		5	0.3%
19		3	0.2%
21		2	0.1%
23		1	0.1%
77	Don't know	1	0.1%
Sysmiss		20	

C5: ethnic group

Data file: KIR2004

Overview

Valid: 1745 Invalid: 10
Type: Discrete Decimal: 0 Width: 10 Range: 1 - 88 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Kiribati	1732	99.3%
2	Other	10	0.6%
88	Refused	3	0.2%
Sysmiss		10	

C6: highest level of education

Data file: KIR2004

Overview

Valid: 1748 Invalid: 7
Type: Discrete Decimal: 0 Width: 28 Range: 1 - 99 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	No formal schooling	53	3%
2	Less than primary school	337	19.3%
3	Primary school completed	1059	60.6%
4	Secondary school completed	263	15%
5	High school completed	31	1.8%
6	College/University completed	5	0.3%
7	Post graduate degree	0	0%
77	Don't know	0	0%
88	Refused	0	0%
99	Missing	0	0%
Sysmiss		7	

C7: work status

Data file: KIR2004

Overview

Valid: 1749 Invalid: 6
Type: Discrete Decimal: 0 Width: 27 Range: 1 - 99 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Government employee	247	14.1%
2	Non-government employee	164	9.4%
3	Self-employed	162	9.3%
4	Non-paid	113	6.5%
5	Student	93	5.3%
6	Homemaker	542	31%
7	Retired	59	3.4%
8	Unemployed (able to work)	238	13.6%
9	Unemployed (unable to work)	131	7.5%
77	Dont know	0	0%
88	Refused	0	0%
99	Missing	0	0%
Sysmiss		6	

C8: adults older than 18yrs in household

Data file: KIR2004

Overview

Valid: 1725 Invalid: 30
Type: Discrete Decimal: 0 Width: 10 Range: 1 - 19 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1		24	1.4%
2		410	23.8%
3		343	19.9%
4		350	20.3%
5		210	12.2%
6		152	8.8%
7		98	5.7%

8		53	3.1%
9		40	2.3%
10		15	0.9%
11		7	0.4%
12		11	0.6%
13		4	0.2%
14		3	0.2%
15		1	0.1%
16		1	0.1%
18		2	0.1%
19		1	0.1%
Sysmiss		30	

C9A: household earnings per week

Data file: KIR2004

Overview

Valid: 676 Invalid: 1079 Minimum: 0 Maximum: 9303 Mean: 148.546 Standard deviation: 567.227
Type: Continuous Decimal: 0 Width: 10 Range: 0 - 9303 Format: Numeric

C9B: household earnings per month

Data file: KIR2004

Overview

Valid: 854 Invalid: 901 Minimum: 0 Maximum: 7202 Mean: 506.652 Standard deviation: 677.864
Type: Continuous Decimal: 0 Width: 10 Range: 0 - 7202 Format: Numeric

C9C: household earnings per year

Data file: KIR2004

Overview

Valid: 5 Invalid: 1750 Minimum: 250 Maximum: 8500 Mean: 4152 Standard deviation: 3462.235
Type: Continuous Decimal: 0 Width: 10 Range: 250 - 8500 Format: Numeric

C9D: household earnings refused

Data file: KIR2004

Overview

Valid: 26 Invalid: 1729
Type: Discrete Decimal: 0 Width: 10 Range: 88 - 88 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
88	Refused	26	100%
Sysmiss		1729	

T1: current smoking

Data file: KIR2004

Overview

Valid: 1754 Invalid: 1
Type: Discrete Decimal: 0 Width: 10 Range: 1 - 2 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	1030	58.7%
2	No	724	41.3%
Sysmiss		1	

T2: current daily smoking

Data file: KIR2004

Overview

Valid: 1030 Invalid: 725
Type: Discrete Decimal: 0 Width: 10 Range: 1 - 2 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	974	94.6%
2	No	56	5.4%
Sysmiss		725	

T3: age started smoking

Data file: KIR2004

Overview

Valid: 942 Invalid: 813 Minimum: 2 Maximum: 54 Mean: 18.765 Standard deviation: 6.268
Type: Continuous Decimal: 0 Width: 10 Range: 2 - 54 Format: Numeric

T4A: time since started smoking (years)

Data file: KIR2004

Overview

Valid: 16 Invalid: 1739 Minimum: 3 Maximum: 43 Mean: 18.5 Standard deviation: 10.764
Type: Continuous Decimal: 0 Width: 10 Range: 3 - 43 Format: Numeric

T4B: time since started smoking (months)

Data file: KIR2004

Overview

Valid: 0 Invalid: 1755
Type: Discrete Decimal: 0 Width: 10 Range: - Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
Sysmiss	

T4C: time since started smoking (weeks)

Data file: KIR2004

Overview

Valid: 0 Invalid: 1755
Type: Discrete Decimal: 0 Width: 10 Range: - Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
Sysmiss	

T5A: manufactured cigs smoked per day

Data file: KIR2004

Overview

Valid: 603 Invalid: 1152 Minimum: 0 Maximum: 75 Mean: 6.566 Standard deviation: 9.782
Type: Continuous Decimal: 0 Width: 10 Range: 0 - 75 Format: Numeric

T5B: hand-rolled cigs smoked per day

Data file: KIR2004

Overview

Valid: 366 Invalid: 1389
Type: Discrete Decimal: 0 Width: 10 Range: 0 - 15 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		354	96.7%
1		1	0.3%
2		3	0.8%
3		2	0.5%
4		2	0.5%
5		1	0.3%
6		1	0.3%
10		1	0.3%
15		1	0.3%
Sysmiss		1389	

T5C: pipes smoked per day

Data file: KIR2004

Overview

Valid: 908 Invalid: 847
Type: Discrete Decimal: 0 Width: 10 Range: 0 - 20 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		34	3.7%
1		161	17.7%
2		187	20.6%
3		159	17.5%

4		120	13.2%
5		117	12.9%
6		38	4.2%
7		25	2.8%
8		14	1.5%
9		5	0.6%
10		31	3.4%
12		2	0.2%
13		2	0.2%
14		1	0.1%
15		6	0.7%
16		1	0.1%
17		1	0.1%
18		1	0.1%
20		3	0.3%
Sysmiss		847	

T5D: cigars smoked per day

Data file: KIR2004

Overview

Valid: 0 Invalid: 1755

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

Questions and instructions

CATEGORIES

Value	Category
Sysmiss	

T5E: other smoked per day

Data file: KIR2004

Overview

Valid: 337 Invalid: 1418

Type: Discrete Decimal: 0 Width: 10 Range: 0 - 20 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		333	98.8%
1		1	0.3%
3		1	0.3%
4		1	0.3%
20		1	0.3%
Sysmiss		1418	

T5OTHER: specify other product smoked

Data file: KIR2004

Overview

Valid: 0 Invalid: 1755
 Type: Discrete Decimal: 0 Width: 10 Range: - Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
Sysmiss	

T6: past daily smoking

Data file: KIR2004

Overview

Valid: 759 Invalid: 996
 Type: Discrete Decimal: 0 Width: 10 Range: 1 - 2 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	195	25.7%
2	No	564	74.3%
Sysmiss		996	

T7: age quit smoking

Data file: KIR2004

Overview

Valid: 174 Invalid: 1581 Minimum: 1 Maximum: 59 Mean: 31.569 Standard deviation: 14.079
Type: Continuous Decimal: 0 Width: 10 Range: 1 - 59 Format: Numeric

T8A: time since quitting smoking (years)

Data file: KIR2004

Overview

Valid: 11 Invalid: 1744 Minimum: 2 Maximum: 34 Mean: 12.455 Standard deviation: 11.588
Type: Continuous Decimal: 0 Width: 10 Range: 2 - 34 Format: Numeric

T8B: time since quitting smoking (months)

Data file: KIR2004

Overview

Valid: 1 Invalid: 1754
Type: Discrete Decimal: 0 Width: 10 Range: 10 - 10 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
10		1	100%
Sysmiss		1754	

T8C: time since quitting smoking (weeks)

Data file: KIR2004

Overview

Valid: 1 Invalid: 1754
Type: Discrete Decimal: 0 Width: 10 Range: 2 - 2 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
2		1	100%
Sysmiss		1754	

A1: drank alcohol in past 12 mos

Data file: KIR2004

Overview

Valid: 1752 Invalid: 3
Type: Discrete Decimal: 0 Width: 10 Range: 1 - 2 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	463	26.4%
2	No	1289	73.6%
Sysmiss		3	

A2: freq drinking in past 12 mos

Data file: KIR2004

Overview

Valid: 459 Invalid: 1296
Type: Discrete Decimal: 0 Width: 14 Range: 1 - 4 Format: Numeric

Questions and instructions

CATEGORIES

