

# STEPwise Survey for Non Communicable Diseases Risk Factor 2005

**Ministry of Health and Family Planning**

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## Identification

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### SURVEY ID NUMBER

MDG\_2005\_STEPS\_v01\_M

### TITLE

STEPwise Survey for Non Communicable Diseases Risk Factor 2005

### SUBTITLE

Antananarivo and Toliara

### COUNTRY

Name	Country code
Madagascar	MDG

### STUDY TYPE

Other Household Survey [hh/oth]

### SERIES INFORMATION

This is the first STEPS conducted by Madagascar.

### 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

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### VERSION DESCRIPTION

Public-use dataset

## Scope

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### 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.

### 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

## Coverage

### GEOGRAPHIC COVERAGE

Subnational coverage: Antananarivo and Toliara

### UNIVERSE

Adults aged 25-64 years.

## Producers and sponsors

### PRIMARY INVESTIGATORS

Name
Ministry of Health and Family Planning

## Sampling

### SAMPLING PROCEDURE

A multi-stage cluster sample design was used to produce representative data for that age range in Madagascar. Please refer to pages 7 and 8 of report for further information.

### RESPONSE RATE

Overall response rate: 96%

### WEIGHTING

Data were unable to be weighted.

## data\_collection

### DATES OF DATA COLLECTION

Start	End
2005-08	2005-09

### DATA COLLECTION MODE

Face-to-face [f2f]

## Access policy

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### CONTACTS

Name	Affiliation	Email	URL
NCD Surveillance Team	World Health Organization	ncdmonitoring@who.int	<a href="#">Link</a>

### 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	<a href="#">Link</a>

## Disclaimer and copyrights

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### 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

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### DDI DOCUMENT ID

DDI\_MDG\_2005\_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

2019-12-31

### DDI DOCUMENT VERSION

Identical to a metadata (MDG\_2005\_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
<b>MDG205</b> Subnational public-use dataset	5626	116



**Data file: MDG205**

Subnational public-use dataset

Cases: 5626

variables: 116

**variables**

ID	Name	Label	Question
V117	pid	participant ID - unique record ID	
V118	c6	highest level of education	
V119	sex	sex	
V120	age	age for analysis	
V121	c4	yrs of education	
V122	c5	ethnic group	
V123	c7	work status	
V124	c8	adults older than 18yrs in household	
V125	c9a	household earnings per day	
V126	c9b	household earnings per month	
V127	c9c	household earnings per year	
V128	c9d	household earnings refused	
V129	c10	estimated household income (range)	
V130	t1	current smoking	
V131	t2	current daily smoking	
V132	t3	age started smoking	
V133	t4a	time since started smoking (years)	
V134	t4b	time since started smoking (months)	
V135	t4c	time since started smoking (weeks)	
V136	t5a	manufactured cigs smoked per day	
V137	t5b	hand-rolled cigs smoked per day	
V138	t5c	pipes smoked per day	
V139	t5d	cigars smoked per day	
V140	t5e	other smoked per day	
V141	t5other	specify other product smoked	
V142	t6	past daily smoking	
V143	t7	age quit smoking	
V144	t8a	time since quitting smoking (years)	
V145	t8b	time since quitting smoking (months)	
V146	t8c	time since quitting smoking (weeks)	
V147	t9	current smokeless tobacco use	
V148	t10	current daily smokeless tobacco use	
V149	a1a	ever drank alcohol	
V150	a1	drank alcohol in past 12 mos	
V151	a2	freq drinking in past 12 mos	
V152	a3	average drinks during one day	
V153	a5a	number of drinks consumed last Monday	

ID	Name	Label	Question
V154	a5b	number of drinks consumed last Tuesday	
V155	a5c	number of drinks consumed last Wednesday	
V156	a5d	number of drinks consumed last Thursday	
V157	a5e	number of drinks consumed last Friday	
V158	a5f	number of drinks consumed last Saturday	
V159	a5g	number of drinks consumed last Sunday	
V160	a6	largest number drinks past 12 months	
V161	a7	times drank 5+(men) drinks in single occasion past 12 mos	
V162	a8	times drank 4+(women) drinks in single occasion past 12 mos	
V163	d1	days fruit eaten per week	
V164	d2	servings fruit eaten per day	
V165	d4	servings veg eaten per day	
V166	d3	days veg eaten per week	
V167	d5	oil used most often	
V168	d5other	other oil used most often	
V169	p1	vig activity at work	
V170	p2	vig activity at work: days per week	
V171	p3a	vig activity at work: hours per day	
V172	p3b	vig activity at work: mins per day	
V173	p4	mod activity at work	
V174	p5	mod activity at work: days per week	
V175	p6a	mod activity at work: hours per day	
V176	p6b	mod activity at work: mins per day	
V177	p7	active transport	
V178	p8	active transport: days per week	
V179	p9a	active transport: hours per day	
V180	p9b	active transport: mins per day	
V181	p10	vig leisure activity	
V182	p11	vig leisure activity: days per week	
V183	p12a	vig leisure activity: hours per day	
V184	p12b	vig leisure activity: mins per day	
V185	p13	mod leisure activity	
V186	p14	mod leisure activity: days per week	
V187	p15a	mod leisure activity: hours per day	
V188	p15b	mod leisure activity: mins per day	
V189	p16a	sedentary time: hours per day	
V190	p16b	sedentary time: mins per day	
V191	h1	BP last measured	
V192	h2	told had high BP in past 12 mos	
V193	h3a	currently receiving for high BP: drugs	
V194	h3b	currently receiving for high BP: special diet	
V195	h3c	currently receiving for high BP: advice/treatment to lose weight	
V196	h3d	currently receiving for high BP: advice/treatment to stop smoking	
V197	h3e	currently receiving for high BP: advice/treatment to exercise more	
V198	h4	ever seen trad'l healer for high BP	



ID	Name	Label	Question
V199	h5	taking trad'l meds for high BP	
V200	h6	gluc measured in past 12 mos	
V201	h7	told had high gluc in past 12 mos	
V202	h8a	currently receiving for high gluc: insulin	
V203	h8b	currently receiving for high gluc: drugs	
V204	h8c	currently receiving for high gluc: special diet	
V205	h8d	currently receiving for high gluc: advice/treatment to lose weight	
V206	h8e	currently receiving for high gluc: advice/treatment to stop smoking	
V207	h8f	currently receiving for high gluc: advice/treatment to exercise more	
V208	h9	seen trad'l healer for high gluc in past 12 mos	
V209	h10	taking trad'l meds for high gluc	
V210	m1	interviewer ID	
V211	m2a	height device ID	
V212	m2b	weight device ID	
V213	m3	height (cm)	
V214	m4	weight (kg)	
V215	m6	waist device ID	
V216	m5	pregnant	
V217	m7	waist circumference (cm)	
V218	m8	interviewer ID	
V219	m9	interviewer ID	
V220	m10	cuff size	
V221	m11a	BP reading 1: systolic	
V222	m11b	BP reading 1: diastolic	
V223	m12a	BP reading 2: systolic	
V224	m12b	BP reading 2: diastolic	
V225	m13a	BP reading 3: systolic	
V226	m13b	BP reading 3: diastolic	
V227	m14	took raised BP meds in past 2 weeks	
V228	m15	hip circumference (cm)	
V229	m16a	heart rate reading 1	
V230	m16b	heart rate reading 2	
V231	m16c	heart rate reading 3	
V232	agerange	ageranges for which survey was designed	

total: 116



## PID: participant ID - unique record ID

Data file: MDG205

### Overview

Valid: 5626 Invalid: 0 Minimum: 1 Maximum: 5825 Mean: 2933.177 Standard deviation: 1690.354  
Type: Continuous Decimal: 0 Width: 8 Range: 1 - 5825 Format: Numeric

## C6: highest level of education

Data file: MDG205

### Overview

Valid: 5519 Invalid: 107  
Type: Discrete Decimal: 0 Width: 34 Range: 1 - 7 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Aucune instruction officielle	1102	20%
2	Moins que l'�cole primaire	1056	19.1%
3	Fin de l'�cole primaire	1559	28.2%
4	Fin de l'�cole secondaire	1132	20.5%
5	Fin du lyc�e ou �quivalent	457	8.3%
6	Ecole sup�rieure, Universitaire	176	3.2%
7	Dipl�me post-universitaire obtenu	37	0.7%
Sysmiss		107	

## SEX: sex

Data file: MDG205

### Overview

Valid: 5626 Invalid: 0  
Type: Discrete Width: 5 Range: - Format: character

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
Men		2764	49.1%
Women		2862	50.9%

## AGE: age for analysis

Data file: MDG205

### Overview

Valid: 5626   Invalid: 0   Minimum: 25   Maximum: 64   Mean: 39.375   Standard deviation: 10.568  
Type: Continuous   Decimal: 0   Width: 8   Range: 25 - 64   Format: Numeric

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## C4: yrs of education

Data file: MDG205

### Overview

Valid: 4241   Invalid: 1385  
Type: Discrete   Decimal: 0   Width: 10   Range: 0 - 99   Format: Numeric

### Questions and instructions

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#### CATEGORIES

Value	Category	Cases	
0		116	2.7%
1		90	2.1%
2		253	6%
3		317	7.5%
4		303	7.1%
5		721	17%
6		354	8.3%
7		276	6.5%
8		190	4.5%
9		418	9.9%
10		272	6.4%
11		143	3.4%
12		225	5.3%
13		169	4%
14		144	3.4%
15		82	1.9%
16		36	0.8%
17		32	0.8%
18		22	0.5%
19		8	0.2%
20		20	0.5%
21		6	0.1%
22		3	0.1%

23		2	0%
24		3	0.1%
25		3	0.1%
27		2	0%
28		1	0%
41		1	0%
77	Don't know	17	0.4%
88	Refused	1	0%
99	Missing	11	0.3%
Sysmiss		1385	

## C5: ethnic group

Data file: MDG205

### Overview

Valid: 5275 Invalid: 351

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

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1		27	0.5%
2		65	1.2%
3		155	2.9%
4		13	0.2%
5		18	0.3%
6		570	10.8%
7		444	8.4%
8		184	3.5%
9		374	7.1%
10		59	1.1%
11		10	0.2%
12		555	10.5%
13		2542	48.2%
14		82	1.6%
15		29	0.5%
16		44	0.8%
17		9	0.2%



2		2522	48.6%
3		886	17.1%
4		492	9.5%
5		270	5.2%
6		147	2.8%
7		88	1.7%
8		45	0.9%
9		23	0.4%
10		26	0.5%
11		7	0.1%
12		4	0.1%
13		3	0.1%
14		1	0%
15		2	0%
16		3	0.1%
17		1	0%
18		7	0.1%
20		3	0.1%
21		1	0%
22		1	0%
24		1	0%
27		1	0%
30		1	0%
35		1	0%
43		1	0%
77	Don't know	12	0.2%
88	Refused	2	0%
Sysmiss		435	

## C9A: household earnings per day

Data file: MDG205

### Overview

Valid: 1296    Invalid: 4330    Minimum: 0    Maximum: 800088    Mean: 42574.091    Standard deviation: 96419.523

Type: Continuous    Decimal: 0    Width: 12    Range: 0 - 800088    Format: Numeric

## C9B: household earnings per month

Data file: MDG205

## Overview

Valid: 1652   Invalid: 3974   Minimum: 0   Maximum: 980000   Mean: 74672.218   Standard deviation: 108667.073

Type: Continuous   Decimal: 0   Width: 12   Range: 0 - 980000   Format: Numeric

---

## C9C: household earnings per year

Data file: MDG205

### Overview

Valid: 3009   Invalid: 2617   Minimum: 10   Maximum: 52999947   Mean: 1531537.401   Standard deviation: 3665588.758

Type: Continuous   Decimal: 0   Width: 12   Range: 10 - 52999947   Format: Numeric

---

## C9D: household earnings refused

Data file: MDG205

### Overview

Valid: 0   Invalid: 5626

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

### Questions and instructions

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#### CATEGORIES

Value	Category
Sysmiss	

---

## C10: estimated household income (range)

Data file: MDG205

### Overview

Valid: 3126   Invalid: 2500

Type: Discrete   Decimal: 0   Width: 18   Range: 1 - 99   Format: Numeric

### Questions and instructions

---

#### CATEGORIES

Value	Category	Cases	
1	<=Quintile (Q)1	1377	44%
2	More than Q1, <=Q2	241	7.7%
3	More than Q2, <=Q3	100	3.2%
4	More than Q3, <=Q4	79	2.5%
5	More than Q4	294	9.4%



77	Don't know	454	14.5%
88	Refused	487	15.6%
99	Missing	94	3%
Sysmiss		2500	

## T1: current smoking

Data file: MDG205

### Overview

Valid: 5515 Invalid: 111

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

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Yes	1126	20.4%
2	No	4388	79.6%
8		1	0%
Sysmiss		111	

## T2: current daily smoking

Data file: MDG205

### Overview

Valid: 1288 Invalid: 4338

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

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Yes	981	76.2%
2	No	307	23.8%
Sysmiss		4338	

## T3: age started smoking

Data file: MDG205

## Overview

Valid: 862    Invalid: 4764    Minimum: 0    Maximum: 50    Mean: 19.379    Standard deviation: 5.976  
Type: Continuous    Decimal: 0    Width: 8    Range: 0 - 50    Format: Numeric

---

### T4A: time since started smoking (years)

Data file: MDG205

## Overview

Valid: 0    Invalid: 5626  
Type: Discrete    Decimal: 0    Width: 8    Range: -    Format: Numeric

## Questions and instructions

---

### CATEGORIES

Value	Category
Sysmiss	

---

### T4B: time since started smoking (months)

Data file: MDG205

## Overview

Valid: 0    Invalid: 5626  
Type: Discrete    Decimal: 0    Width: 8    Range: -    Format: Numeric

## Questions and instructions

---

### CATEGORIES

Value	Category
Sysmiss	

---

### T4C: time since started smoking (weeks)

Data file: MDG205

## Overview

Valid: 0    Invalid: 5626  
Type: Discrete    Decimal: 0    Width: 8    Range: -    Format: Numeric

## Questions and instructions

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### CATEGORIES

Value	Category
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Sysmiss	
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## T5A: manufactured cigs smoked per day

Data file: MDG205

### Overview

Valid: 786    Invalid: 4840    Minimum: 0    Maximum: 60    Mean: 8.963    Standard deviation: 7.541  
Type: Continuous    Decimal: 0    Width: 8    Range: 0 - 60    Format: Numeric

## T5B: hand-rolled cigs smoked per day

Data file: MDG205

### Overview

Valid: 0    Invalid: 5626  
Type: Discrete    Decimal: 0    Width: 8    Range: -    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category
Sysmiss	

## T5C: pipes smoked per day

Data file: MDG205

### Overview

Valid: 0    Invalid: 5626  
Type: Discrete    Decimal: 0    Width: 8    Range: -    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category
Sysmiss	

## T5D: cigars smoked per day

Data file: MDG205

### Overview

Valid: 0    Invalid: 5626

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

## Questions and instructions

---

### CATEGORIES

Value	Category
Sysmiss	

## T5E: other smoked per day

Data file: MDG205

### Overview

Valid: 0    Invalid: 5626

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

## Questions and instructions

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### CATEGORIES

Value	Category
Sysmiss	

## T5OTHER: specify other product smoked

Data file: MDG205

### Overview

Valid: 244    Invalid: 0

Type: Discrete    Width: 10    Range: -    Format: character

## Questions and instructions

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### CATEGORIES

Value	Category	Cases	
1 SACH PAR		1	0.4%
130		1	0.4%
2		1	0.4%
20DA		1	0.4%
8		1	0.4%
88		1	0.4%
CHIQUER		51	20.9%
DODA		13	5.3%
DODO		1	0.4%

DORA		1	0.4%
FEUIL TABA		1	0.4%
FEUILLE		1	0.4%
PARAKY		42	17.2%
PARAKY GAS		4	1.6%
PARAKY2		1	0.4%
PARAKYGASY		1	0.4%
PRAKY		1	0.4%
RAPAKY		1	0.4%
SACH PARA		1	0.4%
SACH PARAK		78	32%
TABAC		39	16%
TABAC SEC		1	0.4%
TABAC2		1	0.4%

## T6: past daily smoking

Data file: MDG205

### Overview

Valid: 4102 Invalid: 1524

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

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Yes	556	13.6%
2	No	3546	86.4%
Sysmiss		1524	

## T7: age quit smoking

Data file: MDG205

### Overview

Valid: 288 Invalid: 5338 Minimum: 1 Maximum: 63 Mean: 30.288 Standard deviation: 12.247

Type: Continuous Decimal: 0 Width: 8 Range: 1 - 63 Format: Numeric

## T8A: time since quitting smoking (years)

Data file: MDG205

## Overview

Valid: 0    Invalid: 5626

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

## Questions and instructions

---

### CATEGORIES

Value	Category
Sysmiss	

---

## T8B: time since quitting smoking (months)

Data file: MDG205

## Overview

Valid: 0    Invalid: 5626

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

## Questions and instructions

---

### CATEGORIES

Value	Category
Sysmiss	

---

## T8C: time since quitting smoking (weeks)

Data file: MDG205

## Overview

Valid: 0    Invalid: 5626

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

## Questions and instructions

---

### CATEGORIES

Value	Category
Sysmiss	

---

## T9: current smokeless tobacco use

Data file: MDG205

## Overview

Valid: 3437    Invalid: 2189

Type: Discrete    Decimal: 0    Width: 10    Range: 1 - 9    Format: Numeric

## Questions and instructions

---

### CATEGORIES

Value	Category	Cases	
1	Yes	115	3.3%
2	No	2956	86%
7	Don't know	1	0%
8	Refused	354	10.3%
9	Missing	11	0.3%
Sysmiss		2189	

---

## T10: current daily smokeless tobacco use

Data file: MDG205

### Overview

Valid: 629    Invalid: 4997

Type: Discrete    Decimal: 0    Width: 10    Range: 1 - 9    Format: Numeric

## Questions and instructions

---

### CATEGORIES

Value	Category	Cases	
1	Yes	88	14%
2	No	221	35.1%
7	Don't know	1	0.2%
8	Refused	304	48.3%
9	Missing	15	2.4%
Sysmiss		4997	

---

## A1A: ever drank alcohol

Data file: MDG205

### Overview

Valid: 5515    Invalid: 111

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

## Questions and instructions

---

### CATEGORIES

Value	Category	Cases	
1	Yes	2208	40%
2	No	3307	60%
Sysmiss		111	

## A1: drank alcohol in past 12 mos

Data file: MDG205

### Overview

Valid: 5496 Invalid: 130

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

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Yes	1731	31.5%
2	No	3765	68.5%
Sysmiss		130	

## A2: freq drinking in past 12 mos

Data file: MDG205

### Overview

Valid: 2156 Invalid: 3470

Type: Discrete Decimal: 0 Width: 14 Range: 1 - 9 Format: Numeric

### Questions and instructions

#### CATEGORIES



