

# Report card Nepal

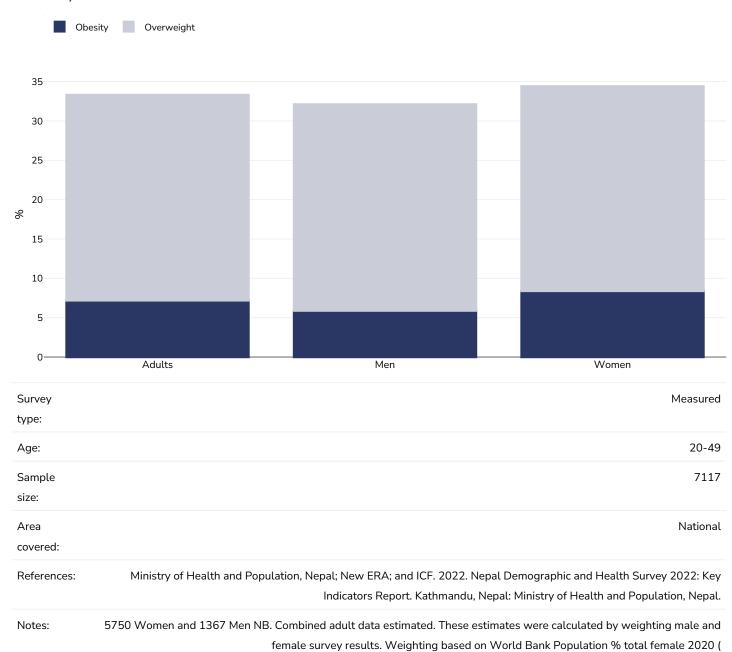


Contents	Page
Obesity prevalence	2
Trend: % Adults living with obesity, 1996-2016	4
Trend: % Adults living with overweight or obesity, 1996-2016	5
Trend: % Adults living with obesity, selected countries, 1976-2023	6
Overweight/obesity by education	8
Overweight/obesity by age	12
Overweight/obesity by region	14
Overweight/obesity by socio-economic group	17
Overweight/obesity by ethnicity	20
Insufficient physical activity	23
Estimated per capita fruit intake	29
Estimated per-capita processed meat intake	30
Estimated per capita whole grains intake	31
Mental health - depression disorders	32
Mental health - anxiety disorders	33
% Infants exclusively breastfed 0-5 months	34
Oesophageal cancer	35
Breast cancer	37
Colorectal cancer	38
Pancreatic cancer	40
Gallbladder cancer	42
Kidney cancer	44
Cancer of the uterus	46
Raised blood pressure	47
Raised cholesterol	50
Raised fasting blood glucose	53
Diabetes prevalence	55
Contextual factors	56



### **Obesity prevalence**

#### Adults, 2022

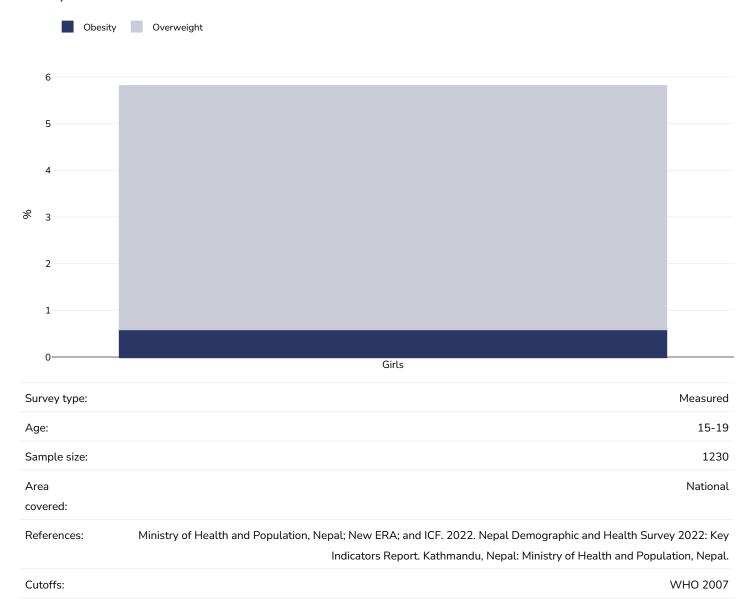


 $Unless \ otherwise \ noted, \ overweight \ refers \ to \ a \ BMI \ between \ 25kg \ and \ 29.9kg/m^2, \ obesity \ refers \ to \ a \ BMI \ greater \ than \ 30kg/m^2.$ 

https://data.worldbank.org/indicator/SP.POP.TOTL.FE.ZS - accessed 06.07.23)



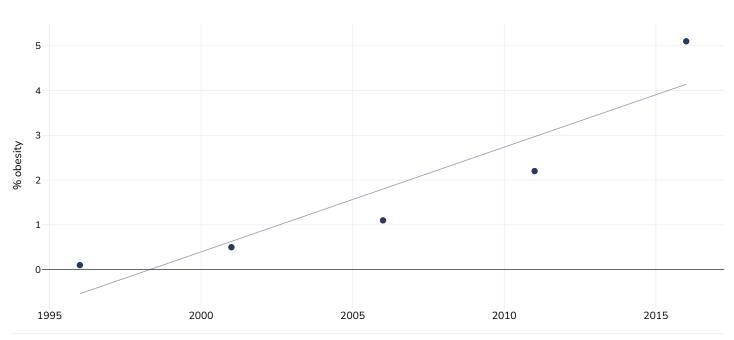
### Girls, 2022





### % Adults living with obesity, 1996-2016

Obesity, Women



Survey type: Measured

References:

For full details of references visit https://data.worldobesity.org/

Notes:

Adults aged 15-49

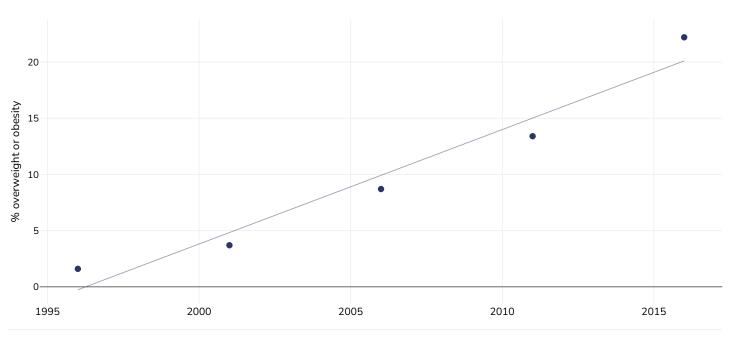
Unless otherwise noted, overweight refers to a BMI between 25kg and 29.9kg/m², obesity refers to a BMI greater than 30kg/m².

Different methodologies may have been used to collect this data and so data from different surveys may not be strictly comparable. Please check with original data sources for methodologies used.



### % Adults living with overweight or obesity, 1996-2016

Overweight or obesity, Women



Survey type: Measured

References:

For full details of references visit https://data.worldobesity.org/

Notes:

Adults aged 15-49

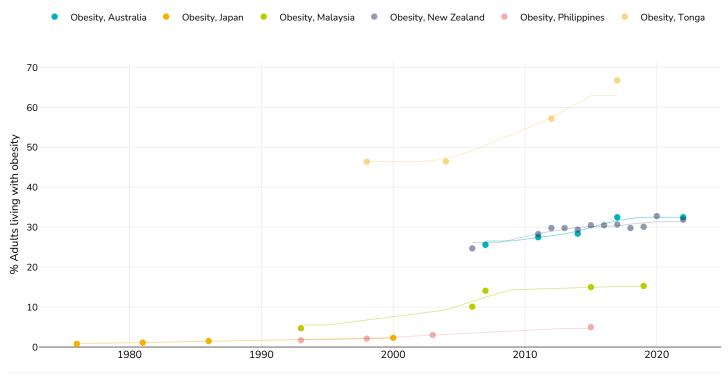
Unless otherwise noted, overweight refers to a BMI between 25kg and 29.9kg/m², obesity refers to a BMI greater than 30kg/m².

Different methodologies may have been used to collect this data and so data from different surveys may not be strictly comparable. Please check with original data sources for methodologies used.



# % Adults living with obesity, selected countries, 1976-2023

#### Men



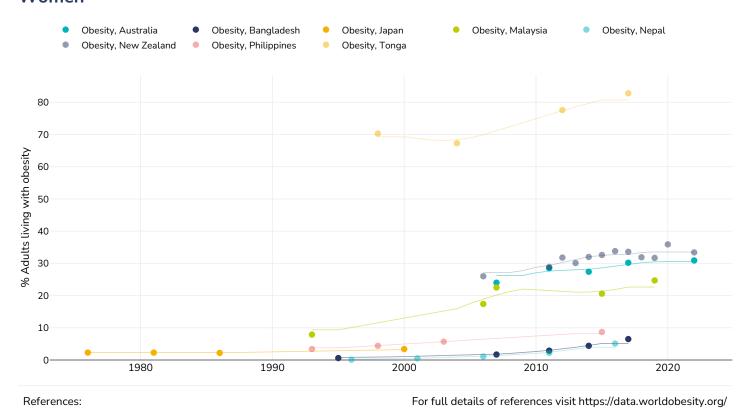
References:

For full details of references visit https://data.worldobesity.org/

Different methodologies may have been used to collect this data and so data from different surveys may not be strictly comparable. Please check with original data sources for methodologies used.



#### Women



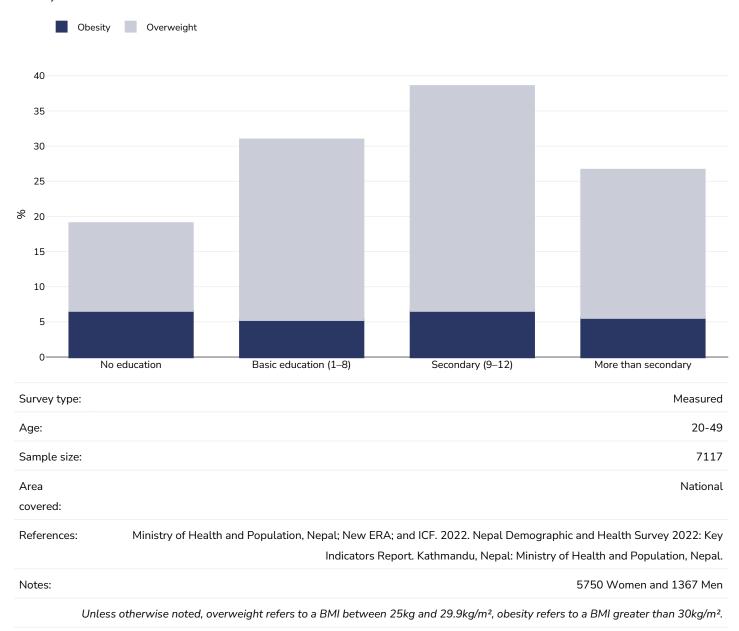
Different methodologies may have been used to collect this data and so data from different surveys may not be strictly comparable. Please

check with original data sources for methodologies used.



### Overweight/obesity by education

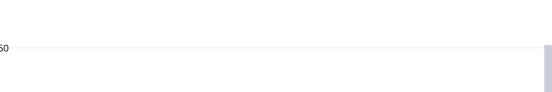
#### Men, 2022

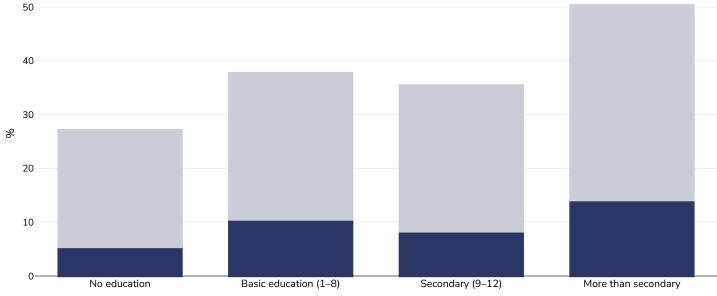




### Women, 2022

Obesity Overweight



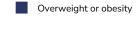


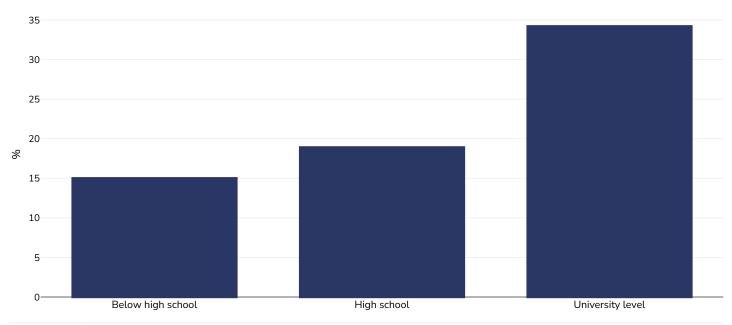
Survey type:	Measured
Age:	20-49
Sample size:	7117
Area covered:	National
References:	Ministry of Health and Population, Nepal; New ERA; and ICF. 2022. Nepal Demographic and Health Survey 2022: Key Indicators Report. Kathmandu, Nepal: Ministry of Health and Population, Nepal.
Notes:	5750 Women and 1367 Men

Unless otherwise noted, overweight refers to a BMI between 25kg and 29.9kg/ $m^2$ , obesity refers to a BMI greater than  $30kg/m^2$ .



# Boys, 2017





Survey type:	Measured
Age:	6-13
Sample size:	575
Area covered:	Lalitpur Metropolitan City

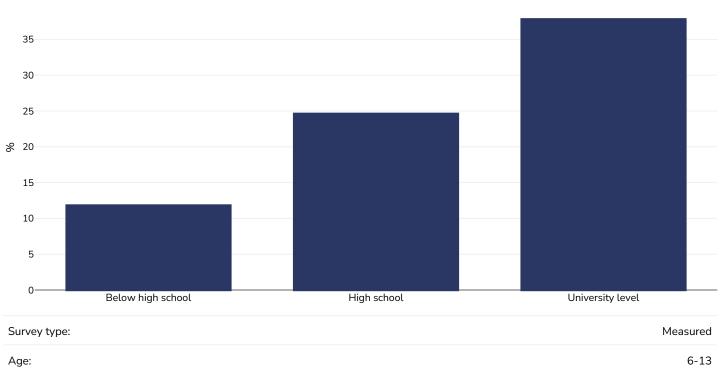
References: Prevalence and associated factors of childhood overweight/obesity among primary school children in urban Nepal. Available at: <a href="https://bmcpublichealth.biomedcentral.com/articles/10.1186/s12889-019-7406-9">https://bmcpublichealth.biomedcentral.com/articles/10.1186/s12889-019-7406-9</a>

Cutoffs: BMI-for-age-sex



### Girls, 2017

Overweight or obesity



Survey type:	Measured
Age:	6-13
Sample size:	575
Area	Lalitpur Metropolitan City
covered:	

References: Prevalence and associated factors of childhood overweight/obesity among primary school children in urban Nepal. Available at: https://bmcpublichealth.biomedcentral.com/articles/10.1186/s12889-019-7406-9

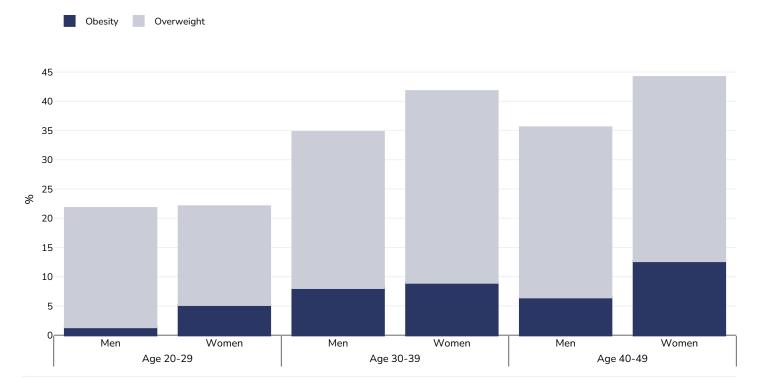
Cutoffs: BMI-for-age-sex



# Overweight/obesity by age

#### Adults, 2022

Notes:



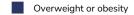
Survey type:	Measured
Sample size:	7117
Area covered:	National
References:	Ministry of Health and Population, Nepal; New ERA; and ICF. 2022. Nepal Demographic and Health Survey 2022: Key Indicators Report. Kathmandu, Nepal: Ministry of Health and Population, Nepal.

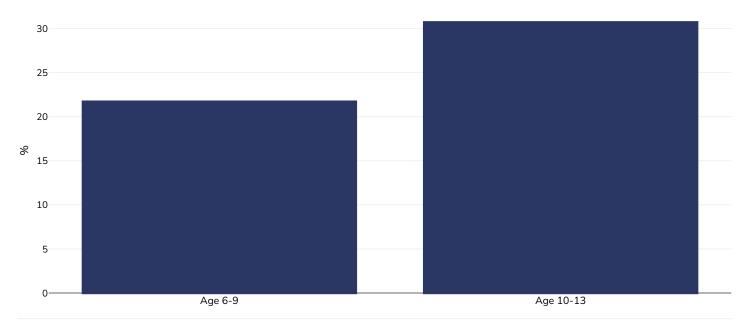
Unless otherwise noted, overweight refers to a BMI between 25kg and 29.9kg/m², obesity refers to a BMI greater than 30kg/m².

5750 Women and 1367 Men



#### Children, 2017





Survey	Measured
type:	
Sample size:	575
Area covered:	Urban

References: Prevalence and associated factors of childhood overweight/obesity among primary school children in urban Nepal. Available at: https://bmcpublichealth.biomedcentral.com/articles/10.1186/s12889-019-7406-9

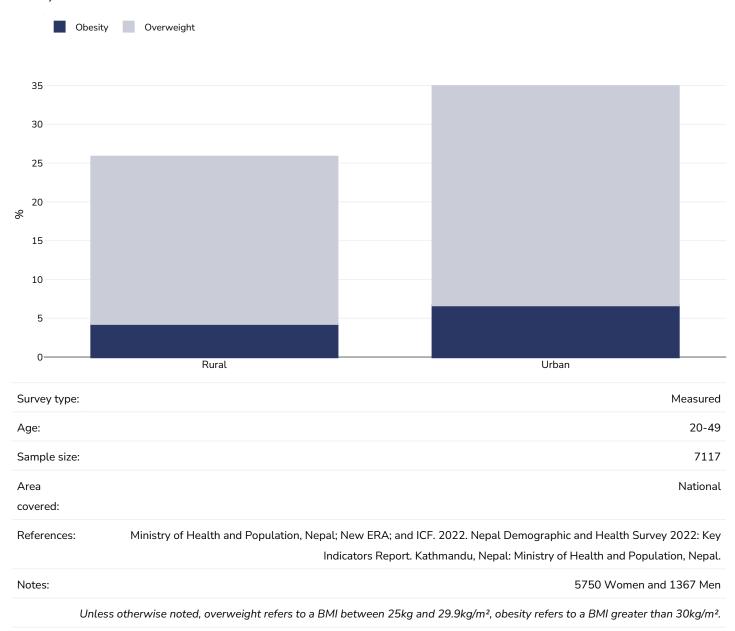
Notes: A cross-sectional survey was conducted from May to October of 2017. Behavioral data were collected using a structured self-administered questionnaire with parents of children aged 6–13 years old in grades 1–5 studying in private schools of Lalitpur district in Nepal. Children with amputated body parts, or any acute or chronic health condition were excluded from the study as these conditions could affect their body weight. Those staying in a hostel away from their parents were also excluded as the questionnaire had to be filled out by a parent.

Cutoffs: BMI-for-age-sex was calculated using WHO AnthroPlus



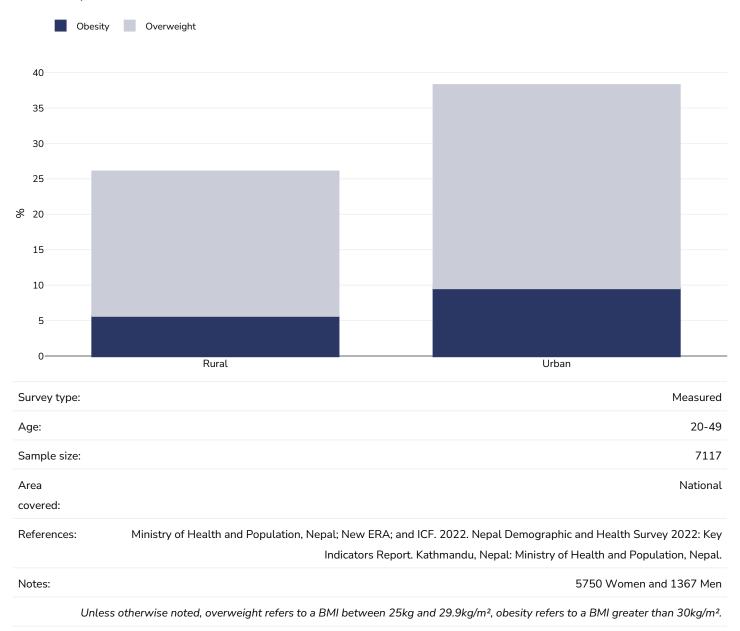
### Overweight/obesity by region

#### Men, 2022





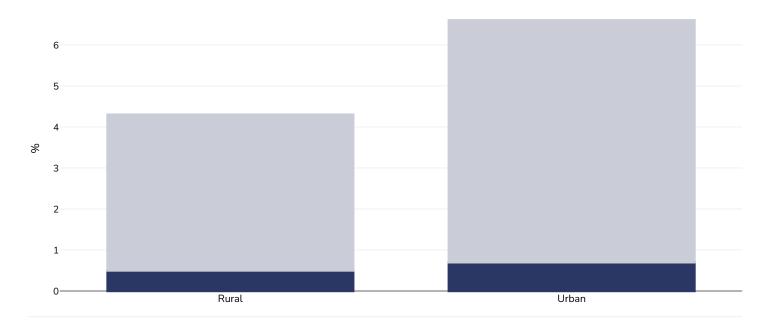
### Women, 2022





# Girls, 2022



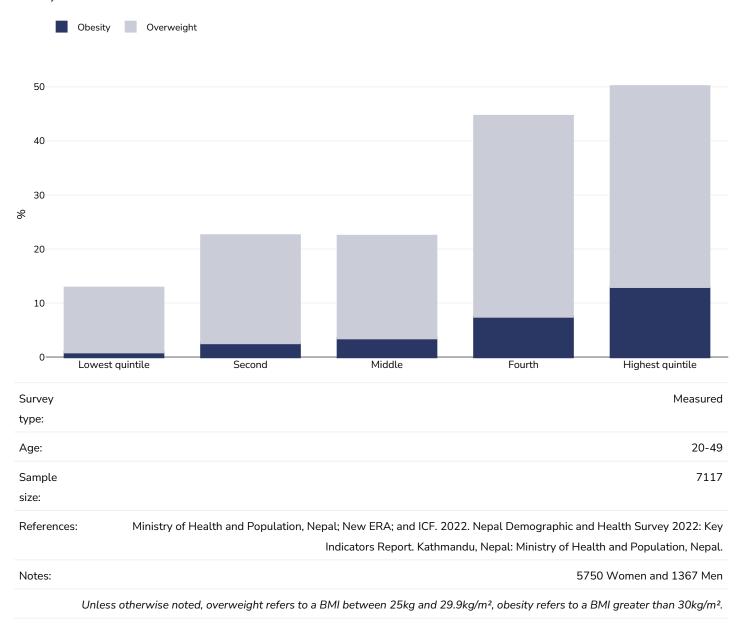


Survey type:	Measured
Age:	15-19
Sample size:	1230
Area covered:	National
References:	Ministry of Health and Population, Nepal; New ERA; and ICF. 2022. Nepal Demographic and Health Survey 2022: Key Indicators Report. Kathmandu, Nepal: Ministry of Health and Population, Nepal.
Cutoffs:	WHO 2007



### Overweight/obesity by socio-economic group

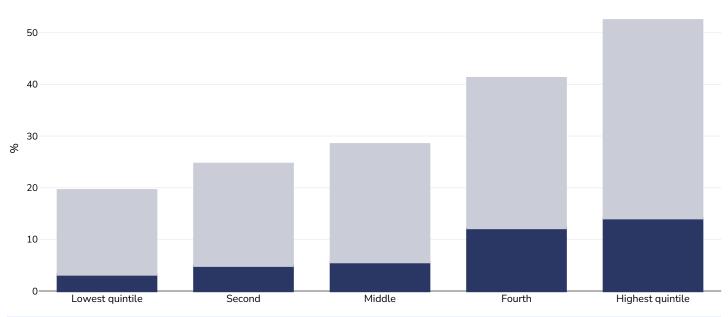
#### Men, 2022





### Women, 2022





Survey	Measured
type:	
Age:	20-49
Sample size:	7117
References:	Ministry of Health and Population, Nepal; New ERA; and ICF. 2022. Nepal Demographic and Health Survey 2022: Key

Notes: 5750 Women and 1367 Men

Unless otherwise noted, overweight refers to a BMI between 25kg and 29.9kg/m², obesity refers to a BMI greater than 30kg/m².

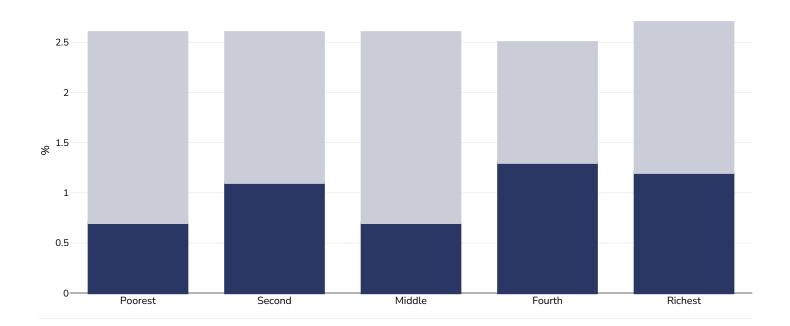
Indicators Report. Kathmandu, Nepal: Ministry of Health and Population, Nepal.



### Children, 2019

Survey





type:	
Sample size:	6477
Area covered:	National
References:	Central Bureau of Statistics (CBS),2020. Nepal Multiple Indicator Cluster Survey 2019, Survey Findings Report. Kathmandu, Nepal: Central Bureau of Statistics and UNICEF Nepal. <a href="https://www.unicef.org/nepal/media/11081/file/Nepal%20MICS%202019%20Final%20Report.pdf">https://www.unicef.org/nepal/media/11081/file/Nepal%20MICS%202019%20Final%20Report.pdf</a> (Accessed 28.6.21)
Notes:	Infants.
Definitions:	Weight for height. Overweight = +2SD - 3SD. Obesity = >+3SD
Cutoffs:	Other

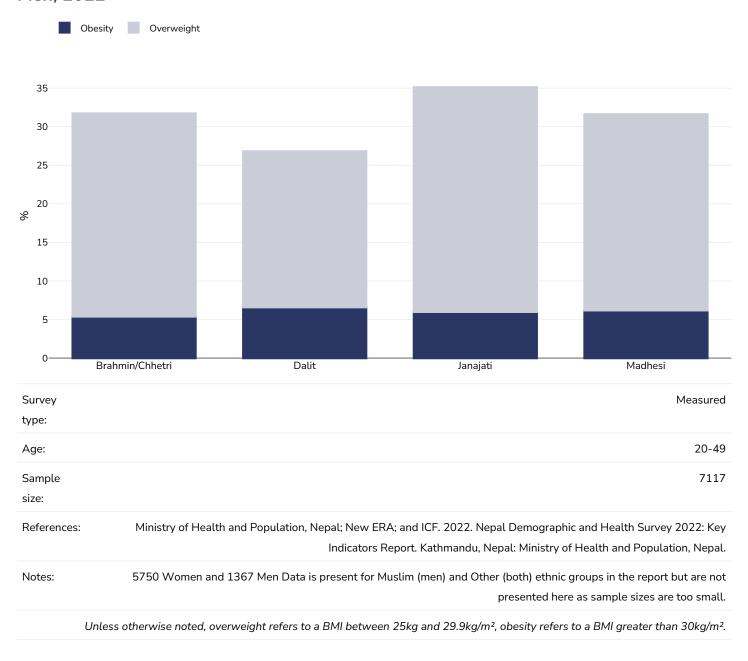
Measured



### Overweight/obesity by ethnicity

Ethnic groups are as defined by publication of origin and are not as defined by WOF. In some instances ethnicity is conflated with nationality and/or race.

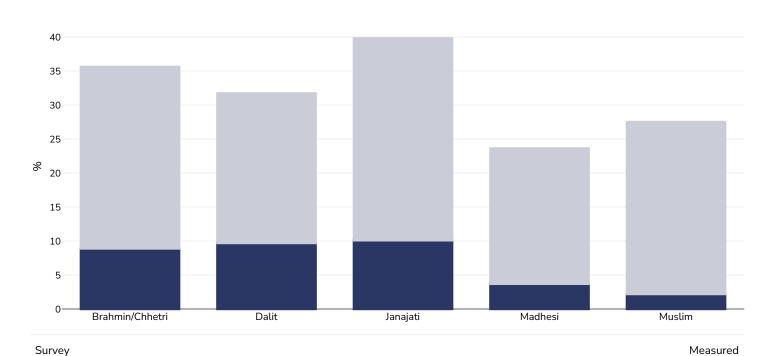
#### Men, 2022





### Women, 2022





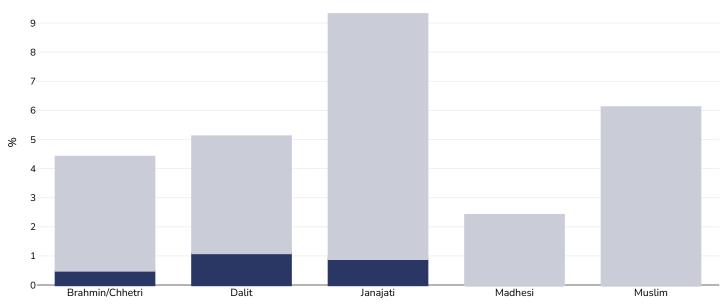
type:	
Age:	20-49
Sample size:	7117
References:	Ministry of Health and Population, Nepal; New ERA; and ICF. 2022. Nepal Demographic and Health Survey 2022: Key Indicators Report. Kathmandu, Nepal: Ministry of Health and Population, Nepal.
Notes:	5750 Women and 1367 Men Data is present for Muslim (men) and Other (both) ethnic groups in the report but are not presented here as sample sizes are too small.

Unless otherwise noted, overweight refers to a BMI between 25kg and 29.9kg/m², obesity refers to a BMI greater than 30kg/m².



# Girls, 2022



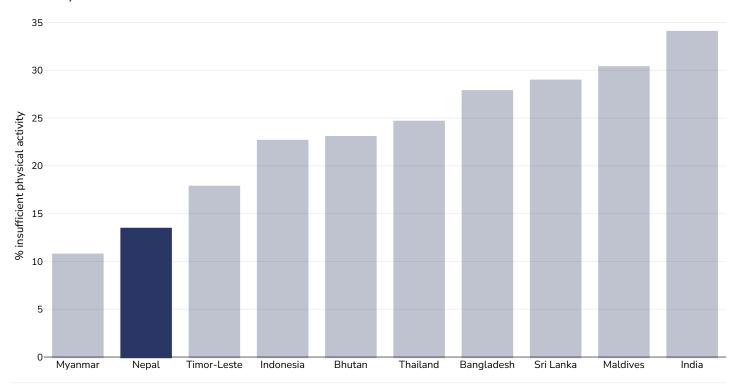


Survey type:	Measured
Age:	15-19
Sample size:	1230
Area covered:	National
References:	Ministry of Health and Population, Nepal; New ERA; and ICF. 2022. Nepal Demographic and Health Survey 2022: Key Indicators Report. Kathmandu, Nepal: Ministry of Health and Population, Nepal.
Cutoffs:	WHO 2007



# Insufficient physical activity

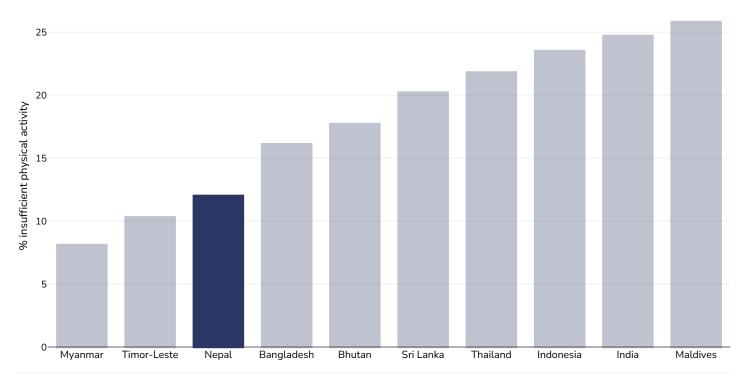
#### Adults, 2016



References: Guthold R, Stevens GA, Riley LM, Bull FC. Worldwide trends in insufficient physical activity from 2001 to 2016: a pooled analysis of 358 population-based surveys with 1.9 million participants. Lancet 2018 <a href="http://dx.doi.org/10.1016/S2214-109X">http://dx.doi.org/10.1016/S2214-109X</a>
(18)30357-7



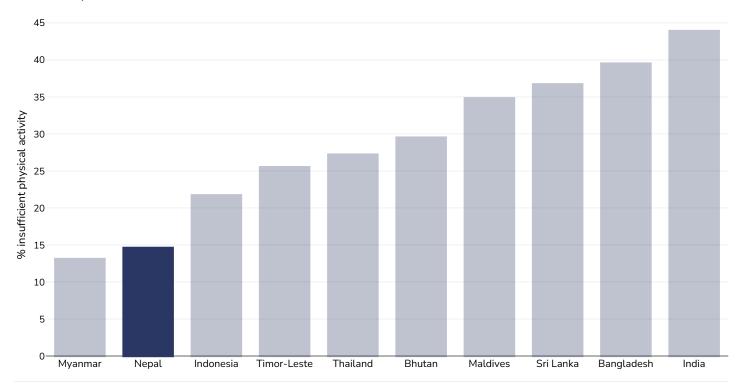
### Men, 2016



References: Guthold R, Stevens GA, Riley LM, Bull FC. Worldwide trends in insufficient physical activity from 2001 to 2016: a pooled analysis of 358 population-based surveys with 1.9 million participants. Lancet 2018 <a href="http://dx.doi.org/10.1016/S2214-109X">http://dx.doi.org/10.1016/S2214-109X</a>
(18)30357-7



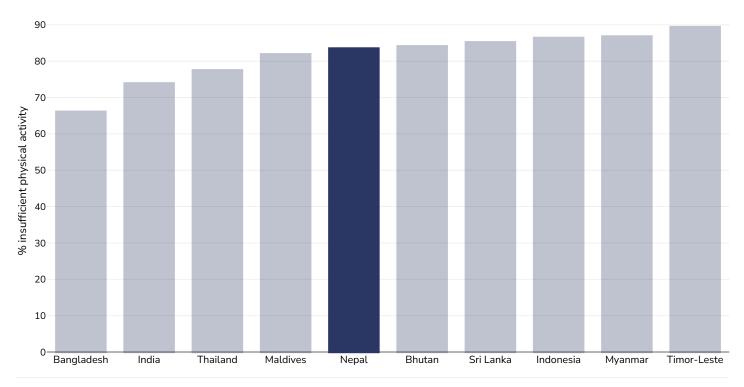
### Women, 2016



References: Guthold R, Stevens GA, Riley LM, Bull FC. Worldwide trends in insufficient physical activity from 2001 to 2016: a pooled analysis of 358 population-based surveys with 1.9 million participants. Lancet 2018 <a href="http://dx.doi.org/10.1016/S2214-109X">http://dx.doi.org/10.1016/S2214-109X</a>
(18)30357-7



#### Children, 2016



Survey Self-reported

type:

Age: 11-17

References:

Global Health Observatory data repository, World Health Organisation,

https://apps.who.int/gho/data/node.main.A893ADO?lang=en (last accessed 16.03.21)

Notes:

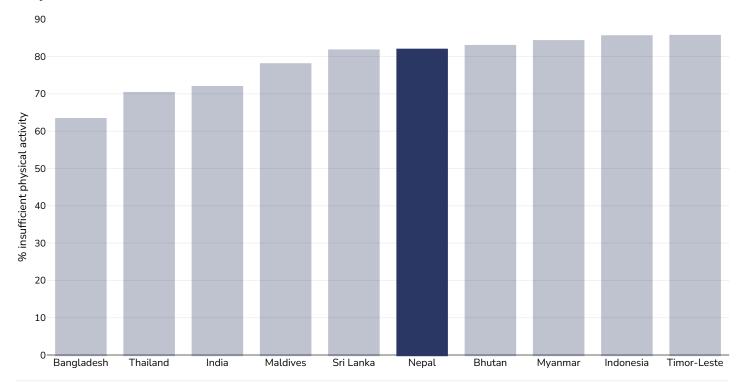
% of school going adolescents not meeting WHO recommendations on Physical Activity for Health, i.e. doing less than 60 minutes of moderate- to vigorous-intensity physical activity daily.

Definitions:

% Adolescents insufficiently active (age standardised estimate)



### Boys, 2016



Survey	Self-reported
type:	
Age:	11-17

References: Global Health Observatory data repository, World Health Organisation, <a href="https://apps.who.int/gho/data/node.main.A893ADO?lang=en">https://apps.who.int/gho/data/node.main.A893ADO?lang=en</a> (last accessed 16.03.21)

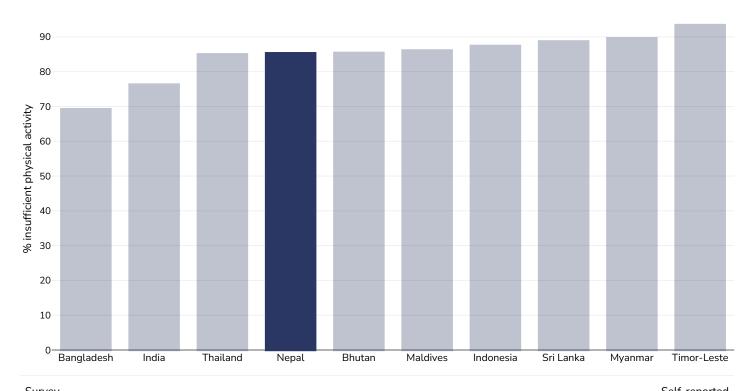
Notes: % of school going adolescents not meeting WHO recommendations on Physical Activity for Health, i.e. doing less than 60 minutes of moderate- to vigorous-intensity physical activity daily.

Definitions: % Adolescents insufficiently active (age standardised estimate)



#### Girls, 2016

Notes:



Survey	Seti-reported
type:	
Age:	11-17
References:	Global Health Observatory data repository, World Health Organisation,

% of school going adolescents not meeting WHO recommendations on Physical Activity for Health, i.e. doing less than 60 minutes of moderate- to vigorous-intensity physical activity daily.

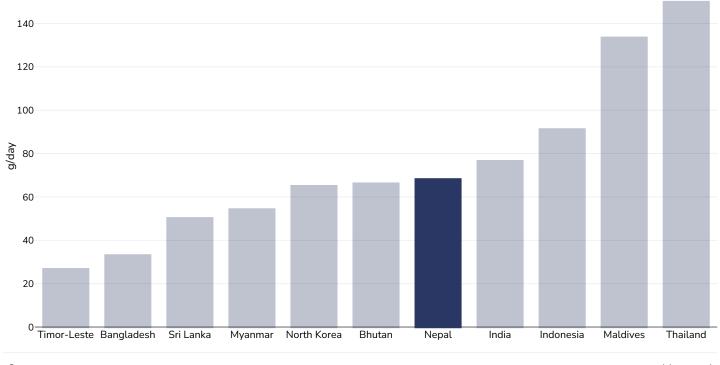
https://apps.who.int/gho/data/node.main.A893ADO?lang=en (last accessed 16.03.21)

Definitions: % Adolescents insufficiently active (age standardised estimate)



# Estimated per capita fruit intake

### Adults, 2017



Survey type:

Age:

Clobal Burden of Disease, the Institute for Health Metrics and Evaluation <a href="http://ghdx.healthdata.org/">http://ghdx.healthdata.org/</a>

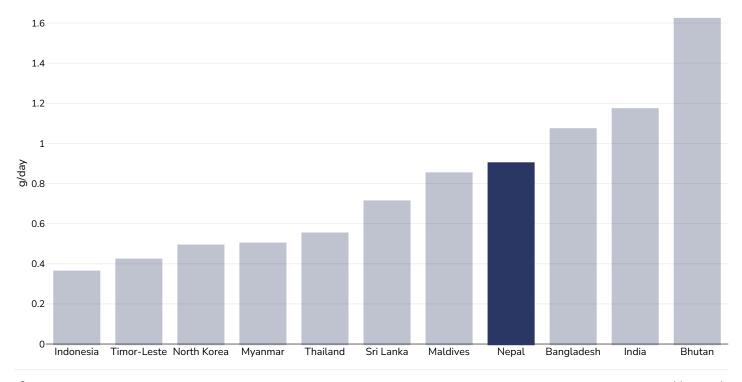
Definitions:

Estimated per-capita fruit intake (g/day)



# Estimated per-capita processed meat intake

#### Adults, 2017



Survey type:

Age:

Clobal Burden of Disease, the Institute for Health Metrics and Evaluation <a href="http://ghdx.healthdata.org/">http://ghdx.healthdata.org/</a>

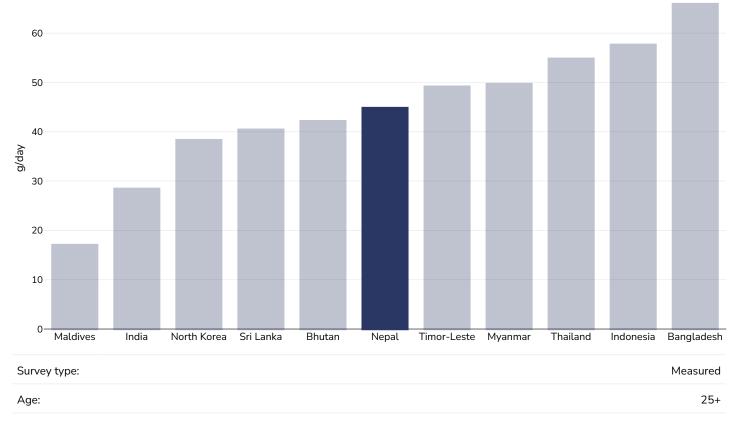
Definitions:

Estimated per-capita processed meat intake (g per day)



# Estimated per capita whole grains intake

### Adults, 2017



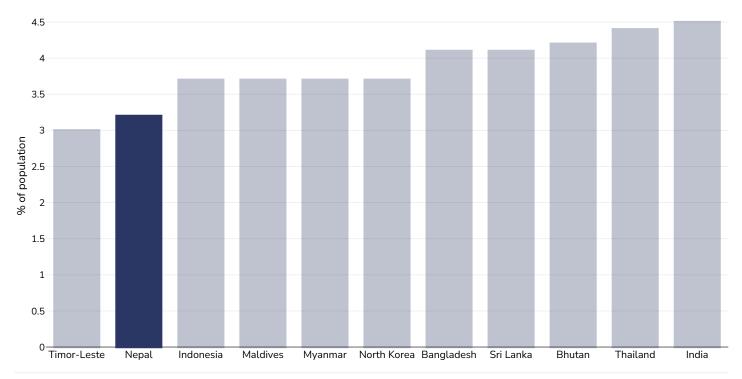
References: Global Burden of Disease, the Institute for Health Metrics and Evaluation http://ghdx.healthdata.org/

Definitions: Estimated per-capita whole grains intake (g/day)



# Mental health - depression disorders

#### Adults, 2015



References: Prevalence data from Global Burden of Disease study 2015 (<a href="http://ghdx.healthdata.org">http://ghdx.healthdata.org</a>) published in: Depression and Other Common Mental Disorders: Global Health Estimates. Geneva: World Health Organization; 2017. Licence: CC BY-NC-SA 3.0 IGO.

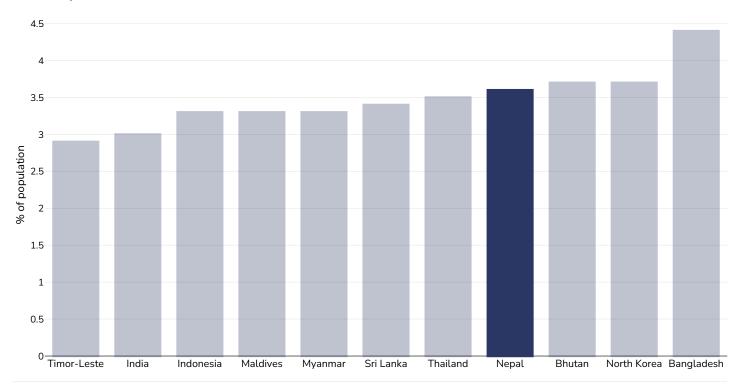
Definitions:

% of population with depression disorders



### Mental health - anxiety disorders

#### Adults, 2015



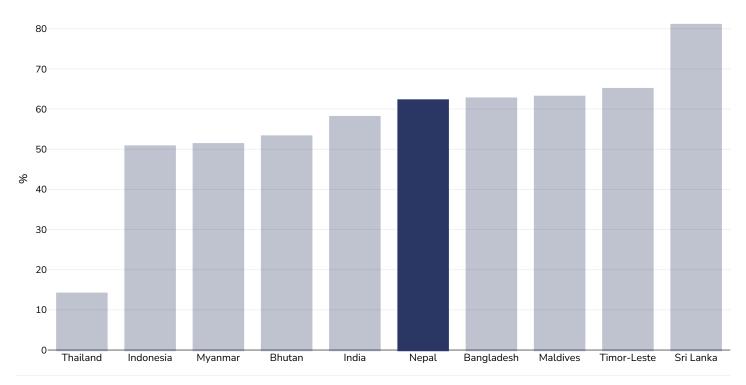
References: Prevalence data from Global Burden of Disease study 2015 (<a href="http://ghdx.healthdata.org">http://ghdx.healthdata.org</a>) published in: Depression and Other Common Mental Disorders: Global Health Estimates. Geneva: World Health Organization; 2017. Licence: CC BY-NC-SA 3.0 IGO.

Definitions: % of population with anxiety disorders



### % Infants exclusively breastfed 0-5 months

#### Children, 2015-2020



Area National covered:

References:

Nepal Multiple Indicator Cluster Survey 2019, Survey Findings Report. Kathmandu, Nepal: Central Bureau of Statistics and UNICEF Nepal.

Notes:

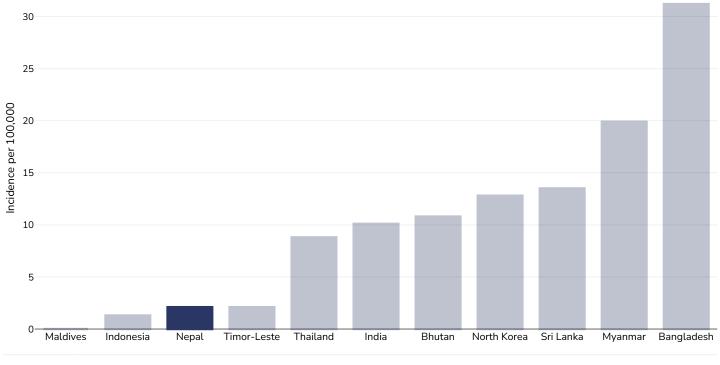
See UNICEF website for further survey information. Available at: <a href="https://data.unicef.org/resources/dataset/infant-young-child-feeding/">https://data.unicef.org/resources/dataset/infant-young-child-feeding/</a> (last accessed 28.9.21) Citation: United Nations Children's Fund, Division of Data, Analysis, Planning and Monitoring (2021). Global UNICEF Global Databases: Infant and Young Child Feeding: Exclusive breastfeeding, New York, September 2021.

Definitions: % exclusively breastfed 0-5 months



### Oesophageal cancer

#### Men, 2020



Age: 20+

Area National

covered:

References: Ferlay J, Ervik M, Lam F, Colombet M, Mery L, Piñeros M, Znaor A, Soerjomataram I, Bray F (2020). Global Cancer Observatory: Cancer Today. Lyon, France: International Agency for Research on Cancer. Available from:

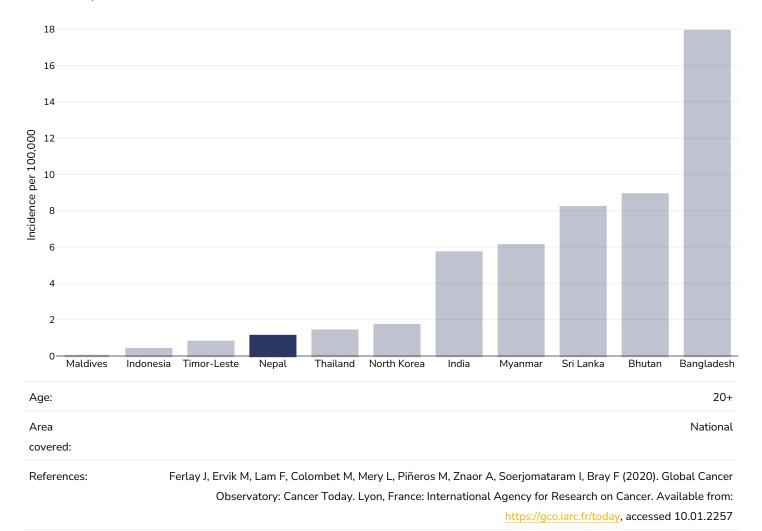
https://gco.iarc.fr/today, accessed 10.01.2257

Definitions: Age-standardized indicence rates per 100 000



### Women, 2020

Definitions:

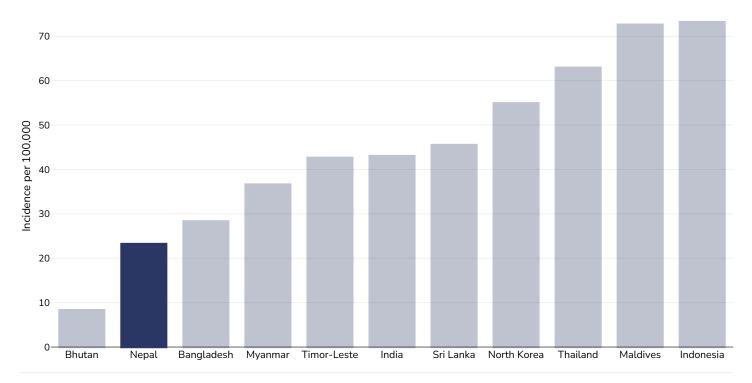


Age-standardized indicence rates per 100 000



#### **Breast cancer**

### Women, 2020



Age: 20+

Area National covered:

References:

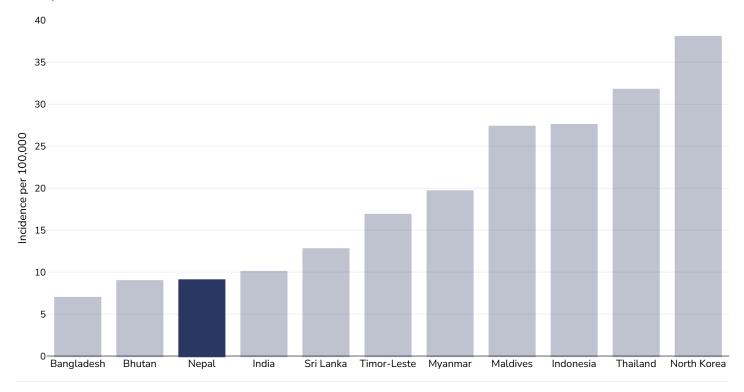
Ferlay J, Ervik M, Lam F, Colombet M, Mery L, Piñeros M, Znaor A, Soerjomataram I, Bray F (2020). Global Cancer Observatory: Cancer Today. Lyon, France: International Agency for Research on Cancer. Available from:

https://gco.iarc.fr/today, accessed 10.01.2257



### **Colorectal cancer**

### Men, 2020



Age: 20+

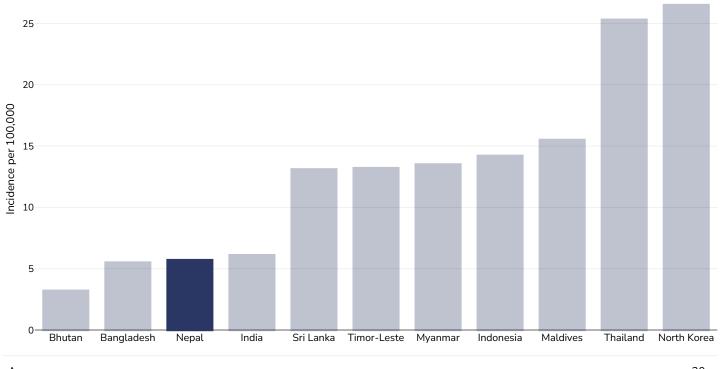
Area National covered:

References:

Ferlay J, Ervik M, Lam F, Colombet M, Mery L, Piñeros M, Znaor A, Soerjomataram I, Bray F (2020). Global Cancer Observatory: Cancer Today. Lyon, France: International Agency for Research on Cancer. Available from:

https://gco.iarc.fr/today, accessed 10.01.2257





Age: 20+

Area National

covered:

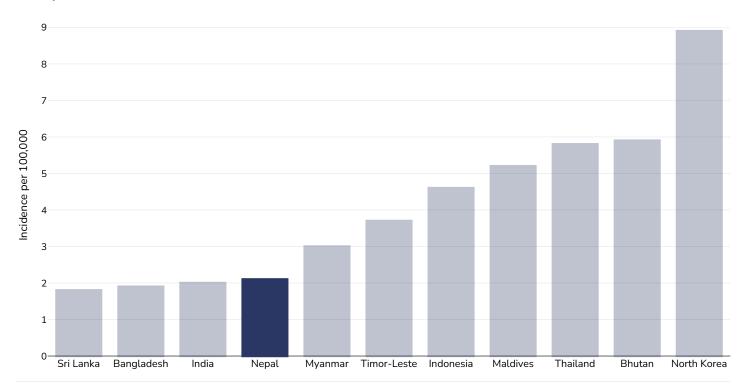
References: Ferlay J, Ervik M, Lam F, Colombet M, Mery L, Piñeros M, Znaor A, Soerjomataram I, Bray F (2020). Global Cancer Observatory: Cancer Today. Lyon, France: International Agency for Research on Cancer. Available from:

https://gco.iarc.fr/today, accessed 10.01.2257



### Pancreatic cancer

### Men, 2020



Age: 20+

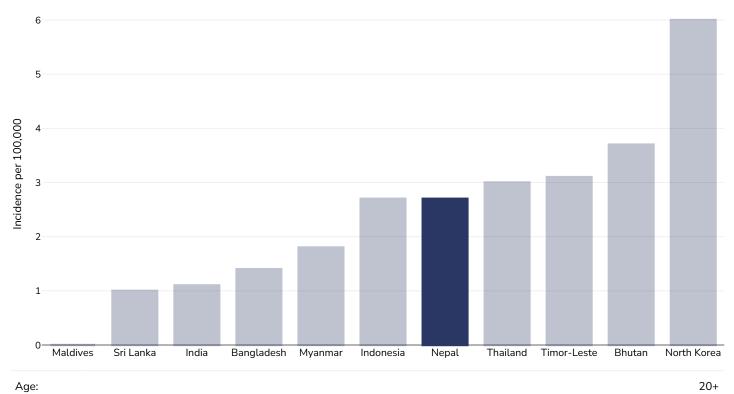
Area National covered:

References:

Ferlay J, Ervik M, Lam F, Colombet M, Mery L, Piñeros M, Znaor A, Soerjomataram I, Bray F (2020). Global Cancer Observatory: Cancer Today. Lyon, France: International Agency for Research on Cancer. Available from:

https://gco.iarc.fr/today, accessed 10.01.2257





Area National

covered: References:

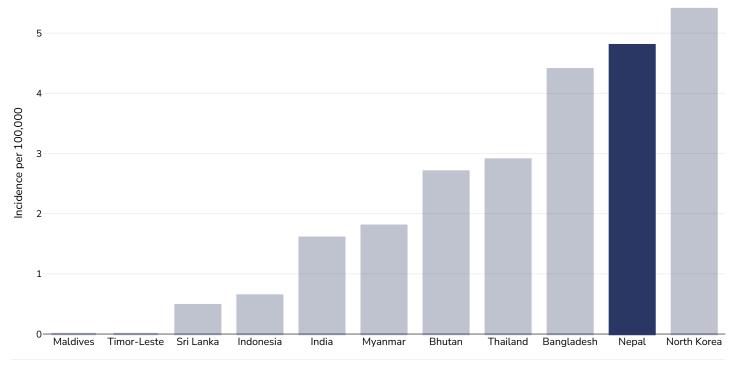
Ferlay J, Ervik M, Lam F, Colombet M, Mery L, Piñeros M, Znaor A, Soerjomataram I, Bray F (2020). Global Cancer Observatory: Cancer Today. Lyon, France: International Agency for Research on Cancer. Available from:

https://gco.iarc.fr/today, accessed 10.01.2257



### Gallbladder cancer

### Men, 2020



Age: 20+

Area National

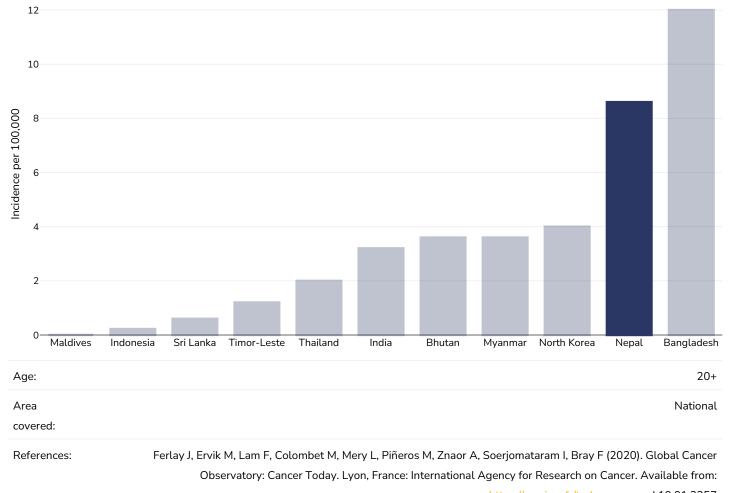
covered:

References:

Ferlay J, Ervik M, Lam F, Colombet M, Mery L, Piñeros M, Znaor A, Soerjomataram I, Bray F (2020). Global Cancer Observatory: Cancer Today. Lyon, France: International Agency for Research on Cancer. Available from:

https://gco.iarc.fr/today, accessed 10.01.2257





https://gco.iarc.fr/today, accessed 10.01.2257

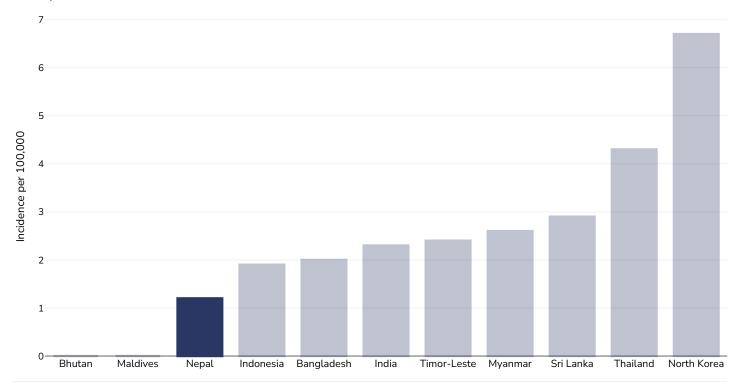
Age-standardized indicence rates per 100 000

Definitions:



# Kidney cancer

### Men, 2020



Age: 20+

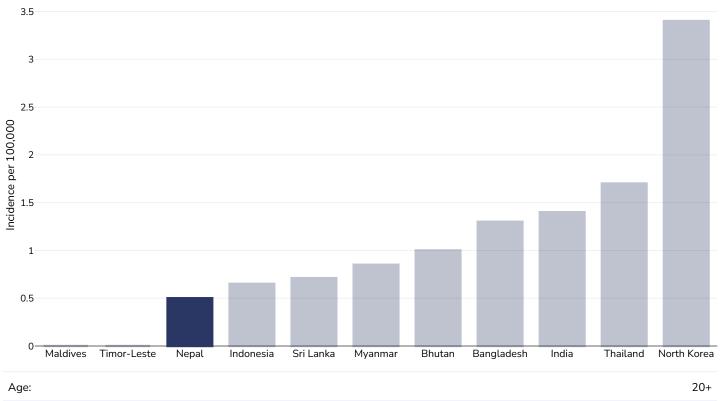
Area National covered:

References:

Ferlay J, Ervik M, Lam F, Colombet M, Mery L, Piñeros M, Znaor A, Soerjomataram I, Bray F (2020). Global Cancer Observatory: Cancer Today. Lyon, France: International Agency for Research on Cancer. Available from:

https://gco.iarc.fr/today, accessed 10.01.2257





Area National

covered:

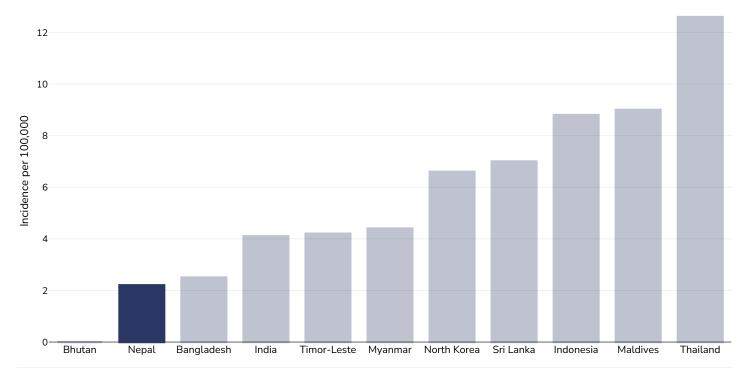
Ferlay J, Ervik M, Lam F, Colombet M, Mery L, Piñeros M, Znaor A, Soerjomataram I, Bray F (2020). Global Cancer Observatory: Cancer Today. Lyon, France: International Agency for Research on Cancer. Available from:

https://gco.iarc.fr/today, accessed 10.01.2257



### Cancer of the uterus

### Women, 2020



Age: 20+

Area National covered:

References:

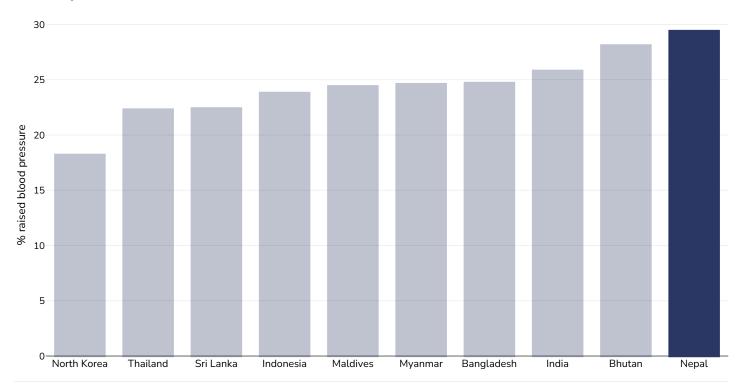
Ferlay J, Ervik M, Lam F, Colombet M, Mery L, Piñeros M, Znaor A, Soerjomataram I, Bray F (2020). Global Cancer Observatory: Cancer Today. Lyon, France: International Agency for Research on Cancer. Available from:

https://gco.iarc.fr/today, accessed 10.01.2257



# Raised blood pressure

# Adults, 2015



References:

Global Health Observatory data repository, World Health Organisation,

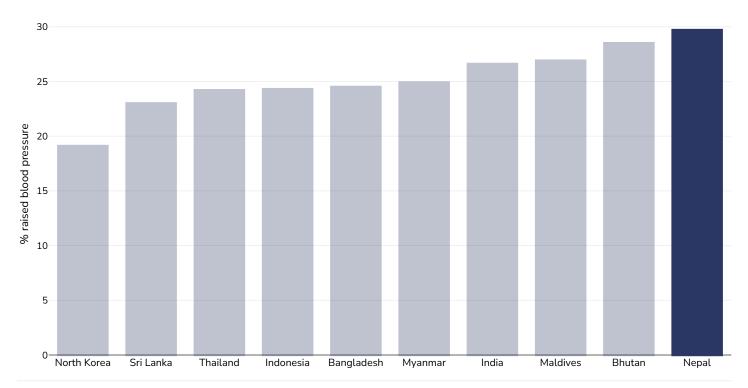
http://apps.who.int/gho/data/node.main.A875?lang=en

Definitions:

Age Standardised estimated % Raised blood pressure 2015 (SBP>=140 OR DBP>=90).



# Men, 2015



References:

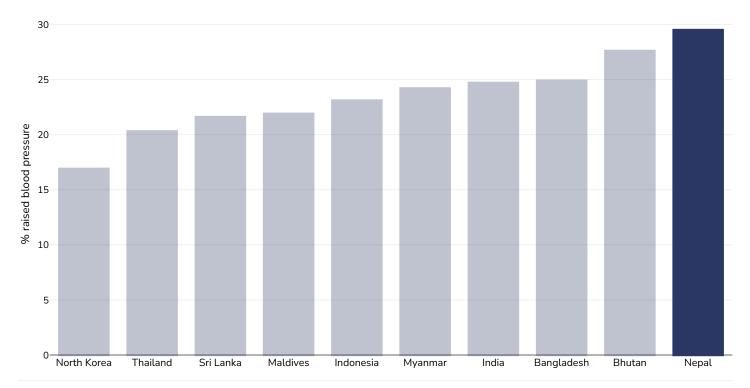
Global Health Observatory data repository, World Health Organisation,

http://apps.who.int/gho/data/node.main.A875?lang=en

Definitions:

Age Standardised estimated % Raised blood pressure 2015 (SBP>=140 OR DBP>=90).





References:

Global Health Observatory data repository, World Health Organisation,

 $\underline{\text{http://apps.who.int/gho/data/node.main.A875?lang=en}}$ 

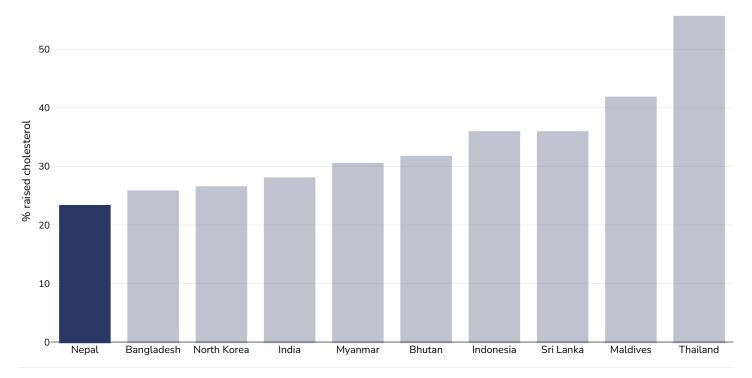
Definitions:

Age Standardised estimated % Raised blood pressure 2015 (SBP>=140 OR DBP>=90).



# Raised cholesterol

# Adults, 2008



References:

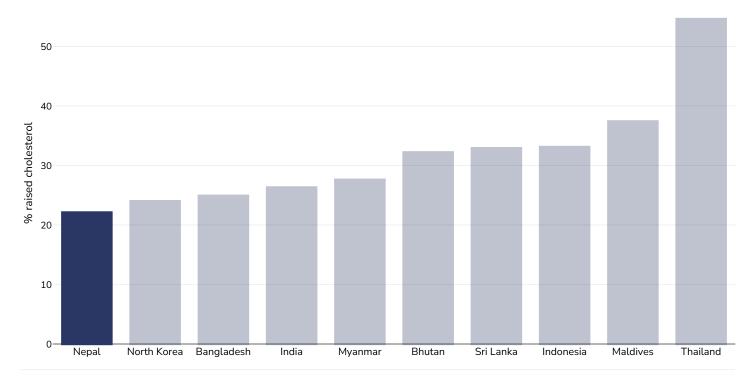
Global Health Observatory data repository, World Health Organisation, <a href="http://apps.who.int/gho/data/node.main.A885">http://apps.who.int/gho/data/node.main.A885</a>

Definitions:

% Raised total cholesterol (>= 5.0 mmol/L) (age-standardized estimate).



# Men, 2008



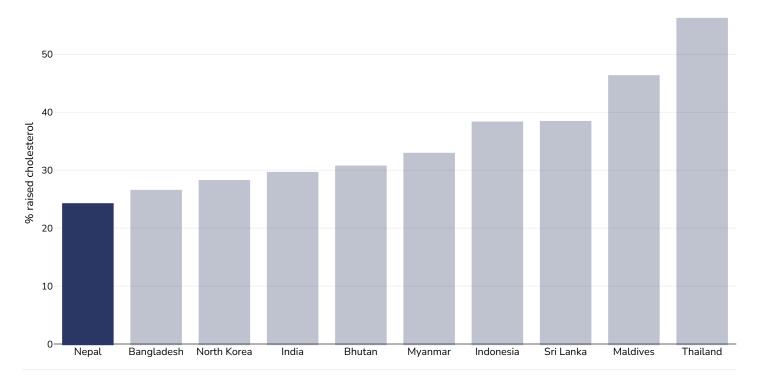
References:

Global Health Observatory data repository, World Health Organisation, http://apps.who.int/gho/data/node.main.A885

Definitions:

% Raised total cholesterol (>= 5.0 mmol/L) (age-standardized estimate).





References:

Global Health Observatory data repository, World Health Organisation, http://apps.who.int/gho/data/node.main.A885

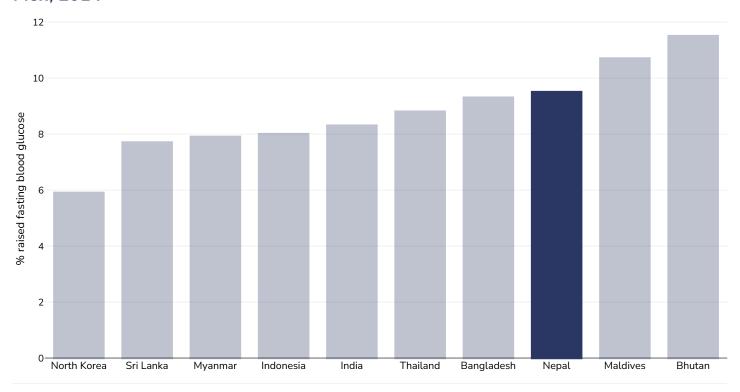
Definitions:

% Raised total cholesterol (>= 5.0 mmol/L) (age-standardized estimate).



# Raised fasting blood glucose

### Men, 2014



References:

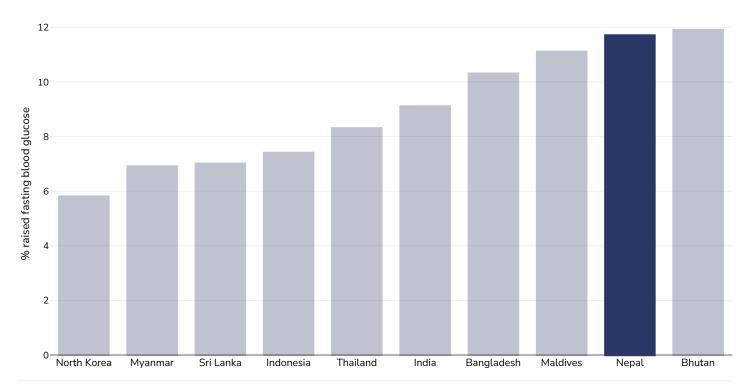
Global Health Observatory data repository, World Health Organisation,

http://apps.who.int/gho/data/node.main.A869?lang=en

Definitions:

Age Standardised % raised fasting blood glucose (>= 7.0 mmol/L or on medication).





References:

Global Health Observatory data repository, World Health Organisation,

http://apps.who.int/gho/data/node.main.A869?lang=en

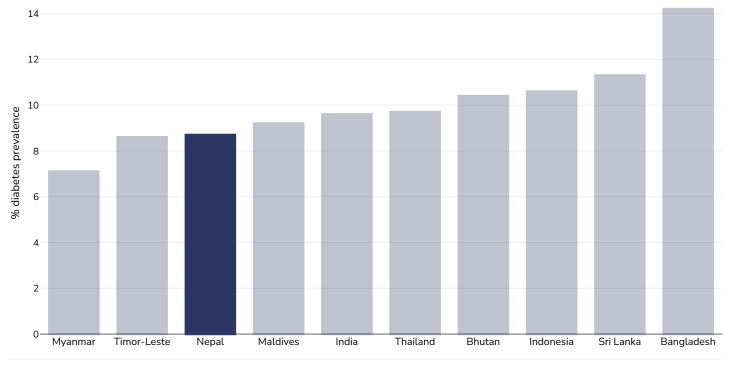
Definitions:

Age Standardised % raised fasting blood glucose ( $\geq$  7.0 mmol/L or on medication).



# Diabetes prevalence

### Adults, 2021



Age: 20-79

Area National

covered:

References: Reproduced with kind permission International Diabetes Federation. IDF Diabetes Atlas, 10th edn. Brussels,

Belgium:International Diabetes Federation, 2021. <u>http://www.diabetesatlas.org</u>

Definitions: Age-adjusted comparative prevalence of diabetes, %



# **Contextual factors**

**Disclaimer:** These contextual factors should be interpreted with care. Results are updated as regularly as possible and use very specific criteria. The criteria used and full definitions are available for download at the bottom of this page.



### Labelling

Is there mandatory nutrition labelling?	X
Front-of-package labelling?	×
Back-of-pack nutrition declaration?	×
Color coding?	×
Warning label?	×





# Regulation and marketing

Are there fiscal policies on unhealthy products?	X
Tax on unhealthy foods?	×
Tax on unhealthy drinks?	×
Are there fiscal policies on healthy products?	X
Subsidy on fruits?	×
Subsidy on vegetables?	×
Subsidy on other healthy products?	×
Mandatory limit or ban of trans fat (all settings)?	X
Mandatory limit of trans fats in place (all settings)?	×
Ban on trans-fats or phos in place (all settings)?	×
Are there any mandatory policies/marketing restrictions on the promotion of unhealthy food/drinks to children?	X
Mandatory restriction on broadcast media?	X
Mandatory restriction on non-broadcast media?	×
Voluntary policies/marketing restrictions on the promotion of unhealthy food/drinks to children?	×
Are there mandatory standards for food in schools?	X
Are there any mandatory nutrient limits in any manufactured food products?	X
Nutrition standards for public sector procurement?	X





# Political will and support

National obesity strategy	or nutrition and phy	sical activity nationa	l strategy?		X
National obesity strategy?					X
National childhood obesity strat	egy?				X
Comprehensive nutrition strateg	ıy?				<b>~</b>
Comprehensive physical activity	strategy?				X
Evidence-based dietary g	uidelines and/or RD/	As?			X
National target(s) on redu	ıcing obesity?				<b>~</b>
Guidelines/policy on obes	ity treatment?				X
Promotion of breastfeeding	ng?				<b>~</b>
Monitoring an	d surveillance				
Monitoring of the prevale	nce and incidence fo	r the main obesity-r	elated NCDs and ri	sk factors?	<b>~</b>
Within 5 years?					~
Governance a	nd resource				
Multi-sectoral national co	-ordination mechan	ism for obesity or nu	trition (including o	besity)?	X
Key					
Present	<b>V</b> Present	Incoming	Absent	Unkn	own
	(voluntary)				

Last updated September 13, 2022