

Report card Thailand

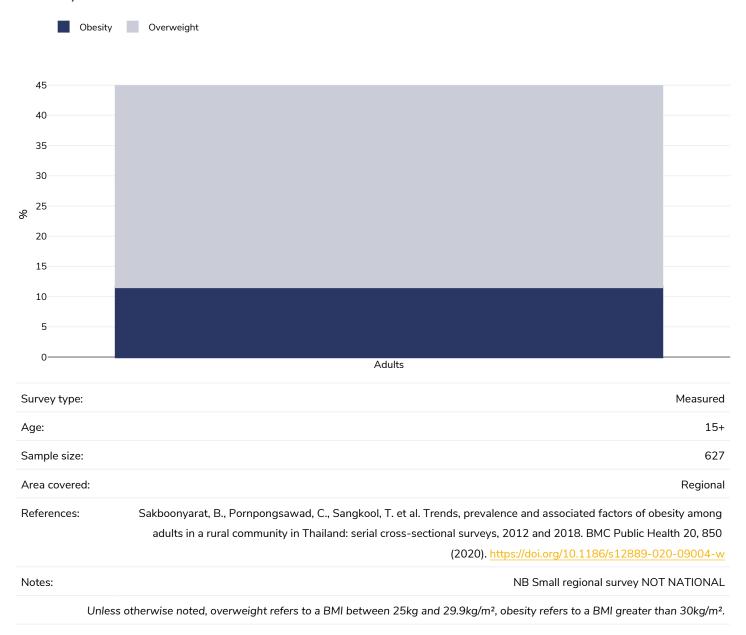


| Contents | Page |
|--|------|
| Obesity prevalence | 2 |
| Trend: % Adults living with obesity, 1997-2014 | 4 |
| Trend: % Adults living with overweight or obesity, 2003-2014 | 6 |
| Overweight/obesity by education | 8 |
| Overweight/obesity by age | 10 |
| Overweight/obesity by region | 12 |
| Insufficient physical activity | 16 |
| Average daily frequency of carbonated soft drink consumption | 22 |
| Estimated per capita fruit intake | 23 |
| Prevalence of less than daily fruit consumption | 24 |
| Prevalence of less than daily vegetable consumption | 25 |
| Average weekly frequency of fast food consumption | 26 |
| Estimated per-capita processed meat intake | 27 |
| Estimated per capita whole grains intake | 28 |
| Mental health - depression disorders | 29 |
| Mental health - anxiety disorders | 30 |
| % Infants exclusively breastfed 0-5 months | 31 |
| Oesophageal cancer | 32 |
| Breast cancer | 34 |
| Colorectal cancer | 35 |
| Pancreatic cancer | 37 |
| Gallbladder cancer | 39 |
| Kidney cancer | 41 |
| Cancer of the uterus | 43 |
| Raised blood pressure | 44 |
| Raised cholesterol | 47 |
| Raised fasting blood glucose | 50 |
| Diabetes prevalence | 52 |
| Contextual factors | 53 |



Obesity prevalence

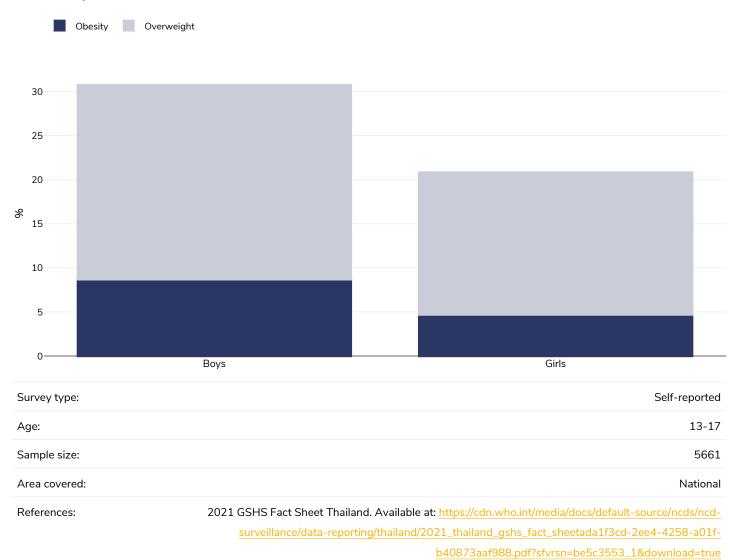
Adults, 2018





Children, 2021

Cutoffs:



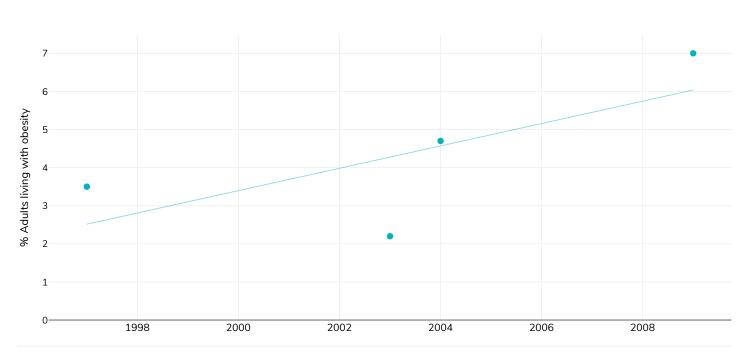
BMI-for-age-sex



% Adults living with obesity, 1997-2014

Men

Obesity



Survey type: Measured

References:

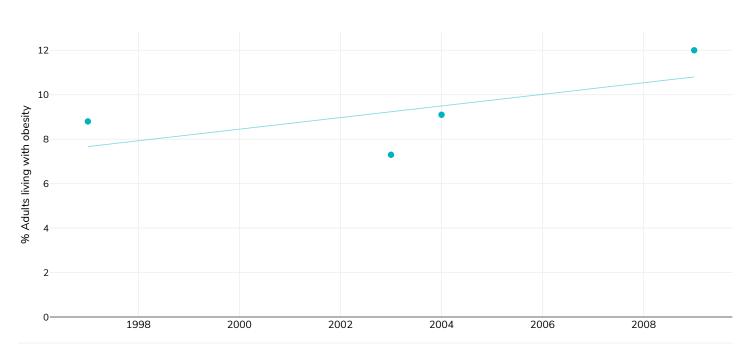
For full details of references visit https://data.worldobesity.org/

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



Women





Survey type: Measured

References:

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

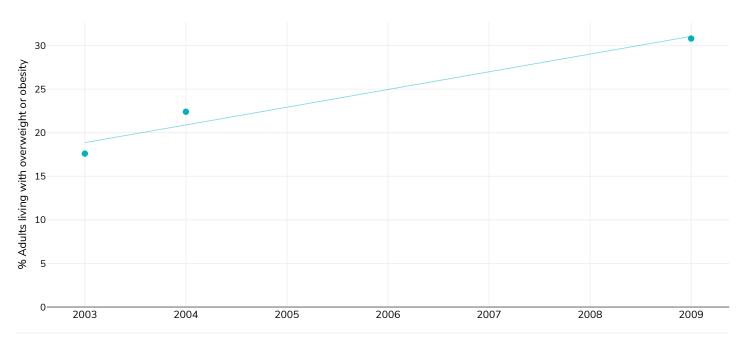
Unless otherwise noted, overweight refers to a BMI between 25kg and 29.9kg/m², obesity refers to a BMI greater than 30kg/m².



% Adults living with overweight or obesity, 2003-2014

Men

Overweight or obesity



Survey type: Measured

References:

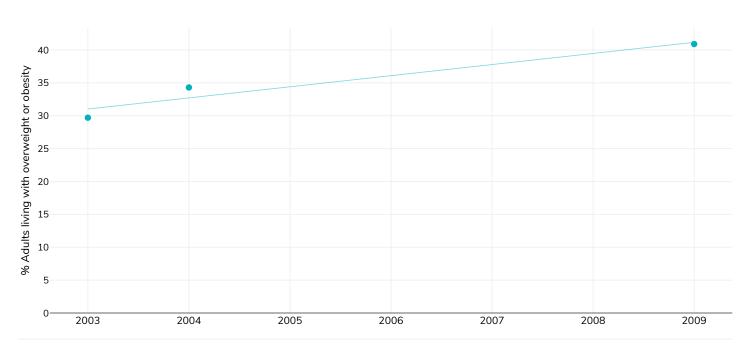
For full details of references visit https://data.worldobesity.org/

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



Women

Overweight or obesity



Survey type: Measured

References:

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

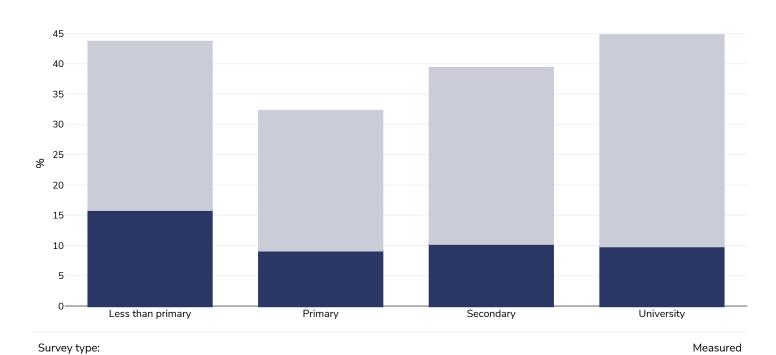
Unless otherwise noted, overweight refers to a BMI between 25kg and 29.9kg/m², obesity refers to a BMI greater than 30kg/m².



Overweight/obesity by education

Men, 2009





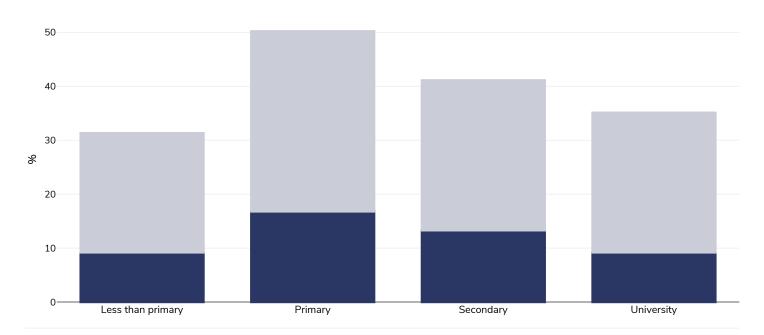
| Age: | 20+ |
|---------------|--|
| Sample size: | 19,181 |
| Area covered: | National - URBAN |
| References: | Wichai Aekplakorn, Rungkarn Inthawong, Pattapong Kessomboon, et al., ¶Prevalence and Trends of Obesity and Association with Socioeconomic Status in Thai Adults: National Health Examination Surveys, 1991–2009,¶ Journal of Obesity, vol. 2014, Article ID 410259, 8 pages, 2014. doi:10.1155/2014/410259 |
| Notes: | Prevalence of Overweight & Obesity by Education in Urban Areas In this graph, overweight refers to BMI 25–<30, and obesity as BMI ≥30 kg/m2 |

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



Women, 2009





| Survey type: | Measured |
|---------------|--|
| Age: | 20+ |
| Sample size: | 19,181 |
| Area covered: | National - URBAN |
| References: | Wichai Aekplakorn, Rungkarn Inthawong, Pattapong Kessomboon, et al., ¶Prevalence and Trends of Obesity and Association with Socioeconomic Status in Thai Adults: National Health Examination Surveys, 1991–2009,¶ Journal of Obesity, vol. 2014, Article ID 410259, 8 pages, 2014. doi:10.1155/2014/410259 |
| Notes: | Prevalence of Overweight & Obesity by Education in Urban Areas In this graph, overweight refers to BMI 25–<30, and obesity as BMI ≥30 kg/m2 |

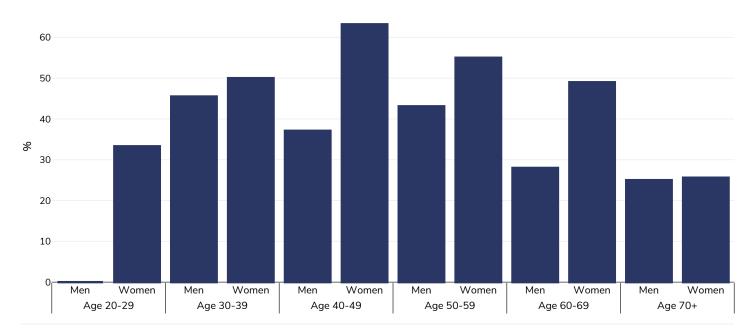
Unless otherwise noted, overweight refers to a BMI between 25kg and 29.9kg/m², obesity refers to a BMI greater than 30kg/m².



Overweight/obesity by age

Adults, 2018

Obesity



Survey type: Measured

Sample size: 627

Area covered: Na-Ngam rural community

References:

Trends, prevalence and associated factors of obesity among adults in a rural community in Thailand: serial cross-sectional surveys, 2012 and 2018. Available at: https://bmcpublichealth.biomedcentral.com/articles/10.1186/s12889-020-09004-w#:~:text=In%20Thailand%2C%20the%20Thai%20National%20Health%20Examination%20Surveys

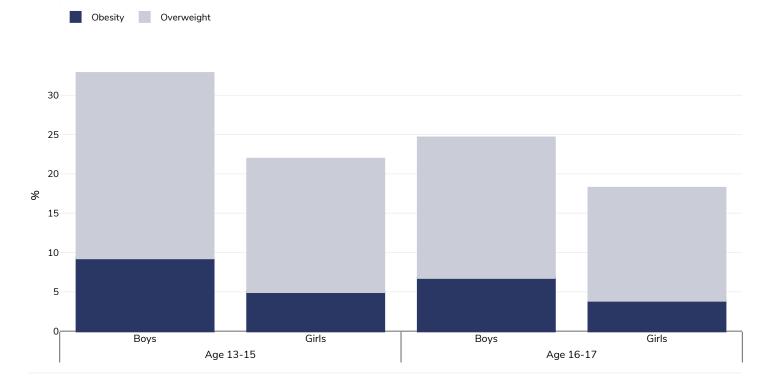
, among % 20 males % 20 and % 20 females % 2C% 20 respectively % 20% 5B% 203% 20% 5D.

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



Children, 2021

Survey type:



Sample size: 5661
Area covered: National

References: 2021 GSHS Fact Sheet Thailand. Available at: <a href="https://cdn.who.int/media/docs/default-source/ncds/ncd-surveillance/data-reporting/thailand/2021_thailand_gshs_fact_sheetada1f3cd-2ee4-4258-a01f-surveillance/data-reporting/thailand/2021_thailand_gshs_fact_sheetada1f3cd-2ee4-4258-a01f-surveillance/data-reporting/thailand/2021_thailand_gshs_fact_sheetada1f3cd-2ee4-4258-a01f-surveillance/data-reporting/thailand/2021_thailand_gshs_fact_sheetada1f3cd-2ee4-4258-a01f-surveillance/data-reporting/thailand/2021_thailand_gshs_fact_sheetada1f3cd-2ee4-4258-a01f-surveillance/data-reporting/thailand/2021_thailand_gshs_fact_sheetada1f3cd-2ee4-4258-a01f-surveillance/data-reporting/thailand/2021_thailand_gshs_fact_sheetada1f3cd-2ee4-4258-a01f-surveillance/data-reporting/thailand/2021_thailand_gshs_fact_sheetada1f3cd-2ee4-4258-a01f-surveillance/data-reporting/thailand/2021_thailand_gshs_fact_sheetada1f3cd-2ee4-4258-a01f-surveillance/data-reporting/thailand/2021_thailand_gshs_fact_sheetada1f3cd-2ee4-4258-a01f-surveillance/data-reporting/thailand/2021_thailand_gshs_fact_sheetada1f3cd-2ee4-4258-a01f-surveillance/data-reporting/thailand/2021_thailand/20

b40873aaf988.pdf?sfvrsn=be5c3553_1&download=true

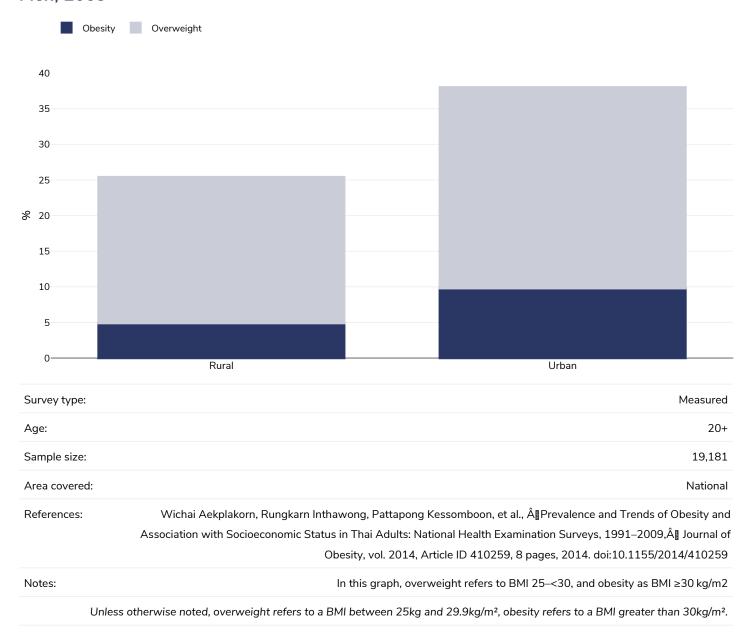
Measured

Cutoffs: BMI-for-age-sex



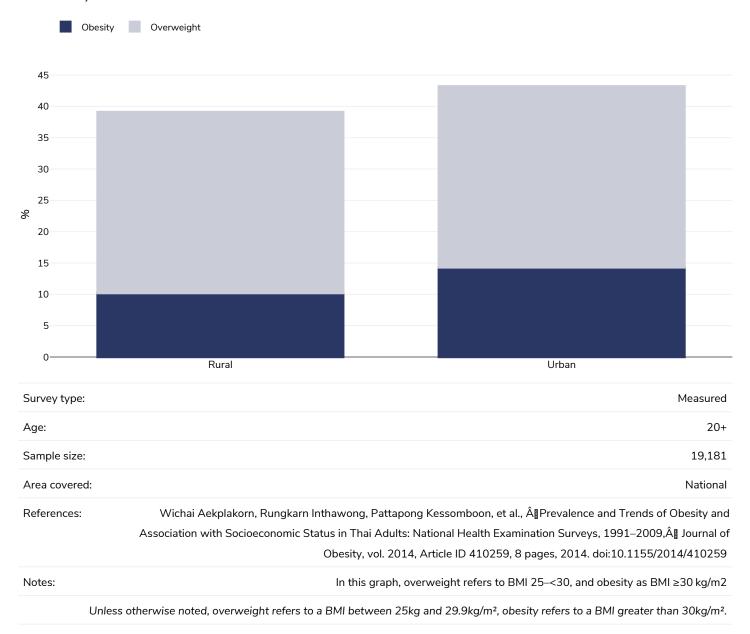
Overweight/obesity by region

Men, 2009



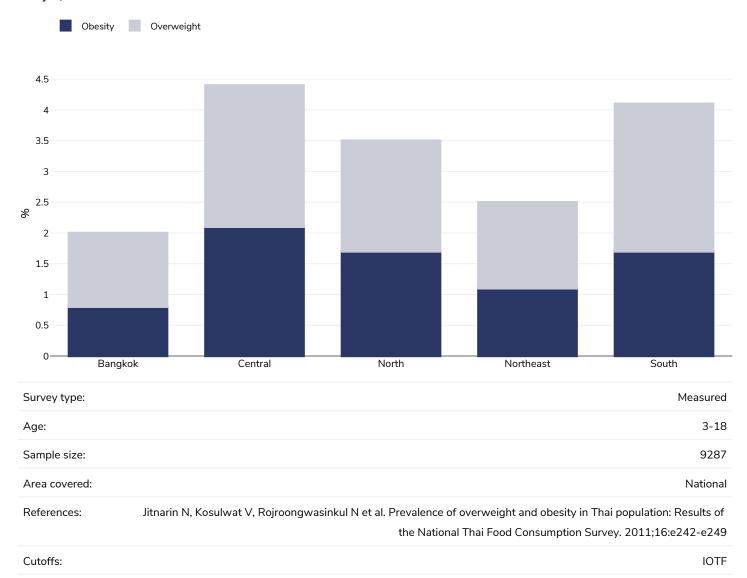


Women, 2009





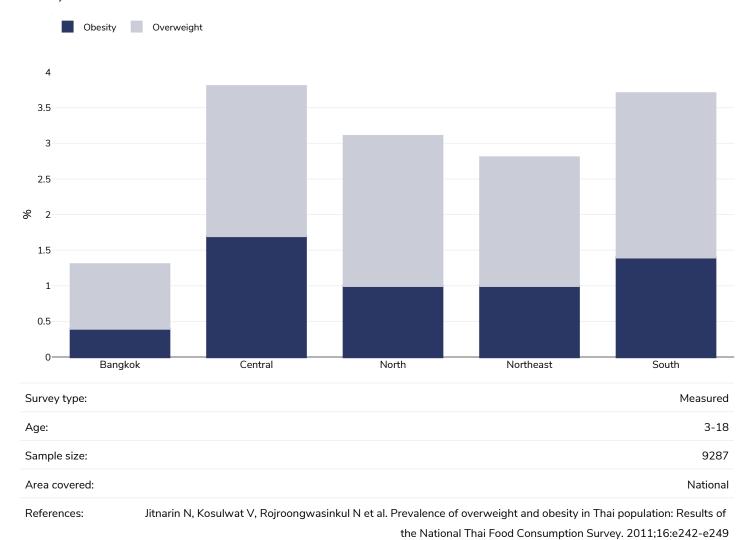
Boys, 2003-2005





Girls, 2003-2005

Cutoffs:

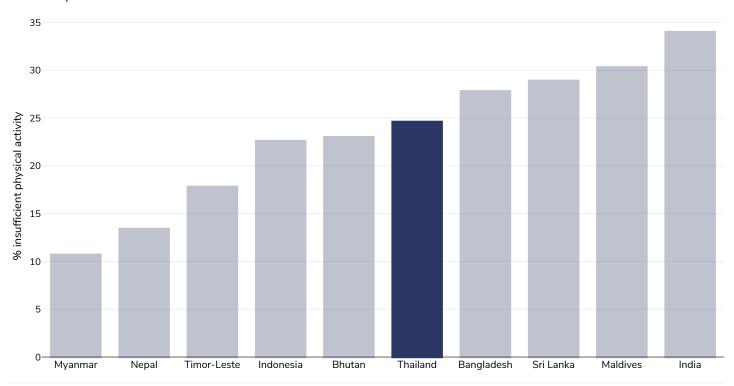


IOTF



Insufficient physical activity

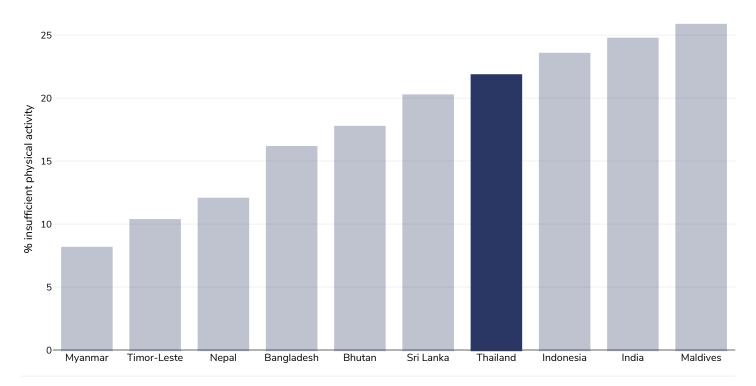
Adults, 2016



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 http://dx.doi.org/10.1016/S2214-109X(18)30357-7



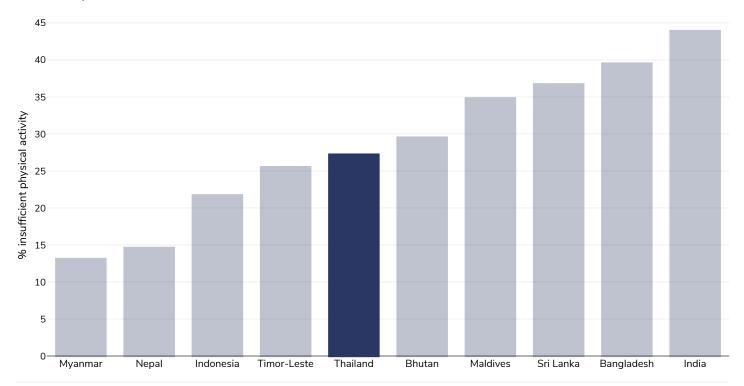
Men, 2016



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 http://dx.doi.org/10.1016/S2214-109X(18)30357-7



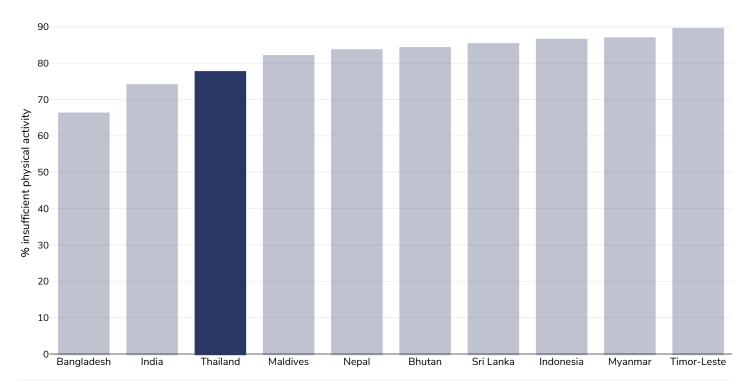
Women, 2016



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 http://dx.doi.org/10.1016/S2214-109X(18)30357-7



Children, 2016



Survey type: Self-reported

Age: 11-17

References: Global Health Observatory data repository, World Health Organisation,

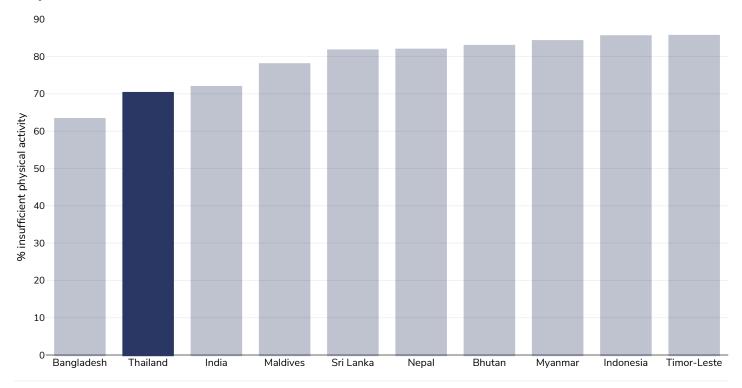
https://apps.who.int/gho/data/node.main.A893ADO?lang=en (last accessed 16.03.21)

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 type: Self-reported

Age: 11-17

References: Global Health Observatory data repository, World Health Organisation,

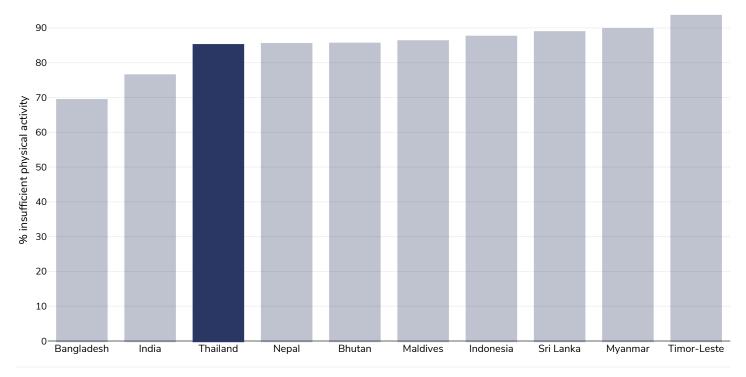
https://apps.who.int/gho/data/node.main.A893ADO?lang=en (last accessed 16.03.21)

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)



Girls, 2016



Survey type: Self-reported

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)

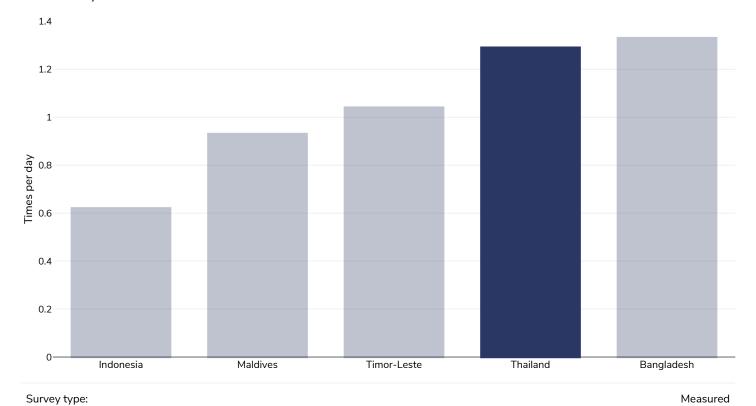
Notes: % of school going adolescents not meeting WHO recommendations on Physical Activity for Health, i.e. doing less than 60 minutes of moderate- to vigorous-intensity physical activity daily.

Definitions: % Adolescents insufficiently active (age standardised estimate)



Average daily frequency of carbonated soft drink consumption

Children, 2014-2015



Age: 12-17

References:

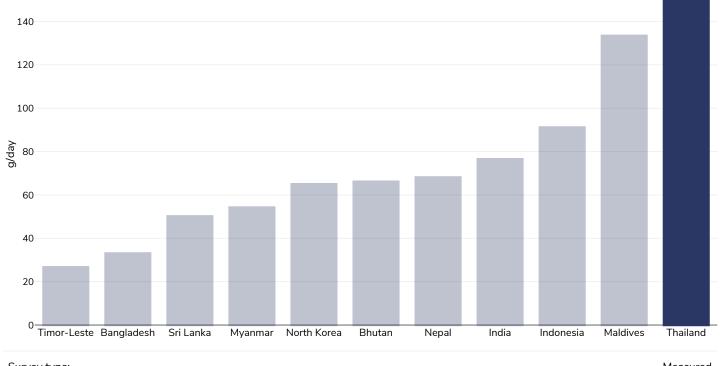
Beal et al. (2019). Global Patterns of Adolescent Fruit, Vegetable, Carbonated Soft Drink, and Fast-food consumption: A meta-analysis of global school-based student health surveys. Food and Nutrition Bulletin. https://doi.org/10.1177/0379572119848287 sourced from Food Systems Dashboard

http://www.foodsystemsdashboard.org/food-system



Estimated per capita fruit intake

Adults, 2017



Survey type: Measured

Age: 25+

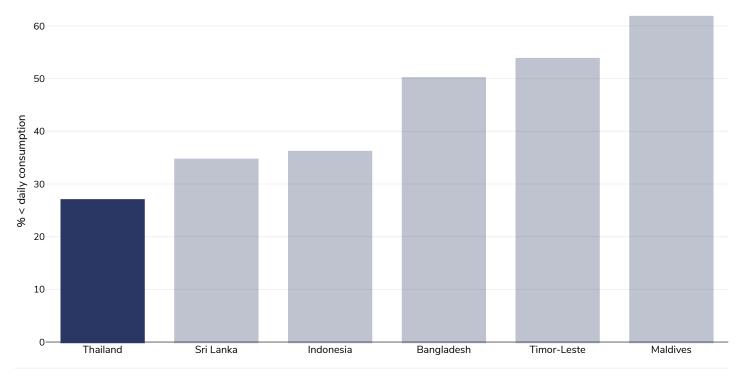
References: Global Burden of Disease, the Institute for Health Metrics and Evaluation http://ghdx.healthdata.org/

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



Prevalence of less than daily fruit consumption

Children, 2008-2015



Survey type: Measured

Age: 12-17

References:

Global School-based Student Health Surveys. Beal et al (2019). Global Patterns of Adolescent Fruit, Vegetable, Carbonated Soft Drink, and Fast-food consumption: A meta-analysis of global school-based student health surveys. Food and Nutrition Bulletin. https://doi.org/10.1177/0379572119848287. Sourced from Food Systems Dashboard

http://www.foodsystemsdashboard.org/food-system

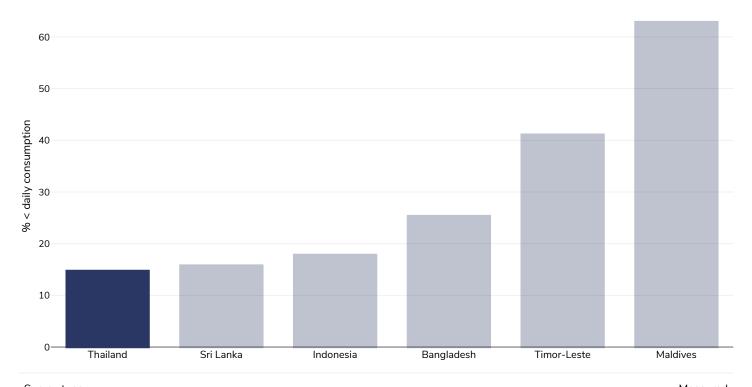
Definitions:

Prevalence of less-than-daily fruit consumption (% less-than-daily fruit consumption)



Prevalence of less than daily vegetable consumption

Children, 2008-2015



Survey type: Measured

Age: 12-17

References:

Beal et al. (2019). Global Patterns of Adolescent Fruit, Vegetable, Carbonated Soft Drink, and Fast-food consumption: A meta-analysis of global school-based student health surveys. Food and Nutrition Bulletin.

https://doi.org/10.1177/0379572119848287 sourced from Food Systems Dashboard http://www.foodsystemsdashboard.org/food-system

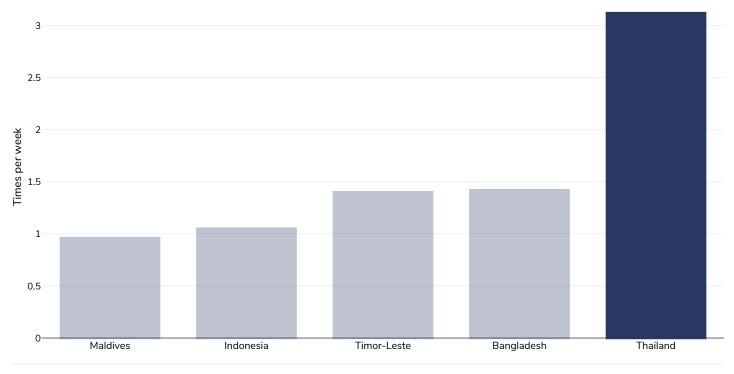
Definitions:

Prevalence of less-than-daily vegetable consumption (% less-than-daily vegetable consumption)



Average weekly frequency of fast food consumption

Children, 2014-2015



Age: 12-17

References:

Beal et al. (2019). Global Patterns of Adolescent Fruit, Vegetable, Carbonated Soft Drink, and Fast-food consumption: A meta-analysis of global school-based student health surveys. Food and Nutrition Bulletin.

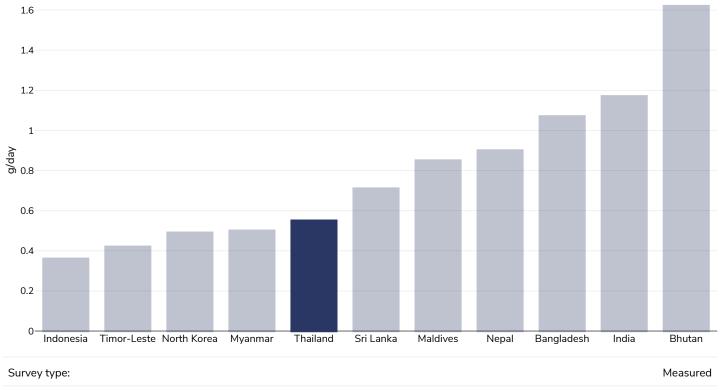
https://doi.org/10.1177/0379572119848287 sourced from Food Systems Dashboard

 $\underline{\text{http://www.foodsystemsdashboard.org/food-system}}$



Estimated per-capita processed meat intake

Adults, 2017



Age:

References:

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

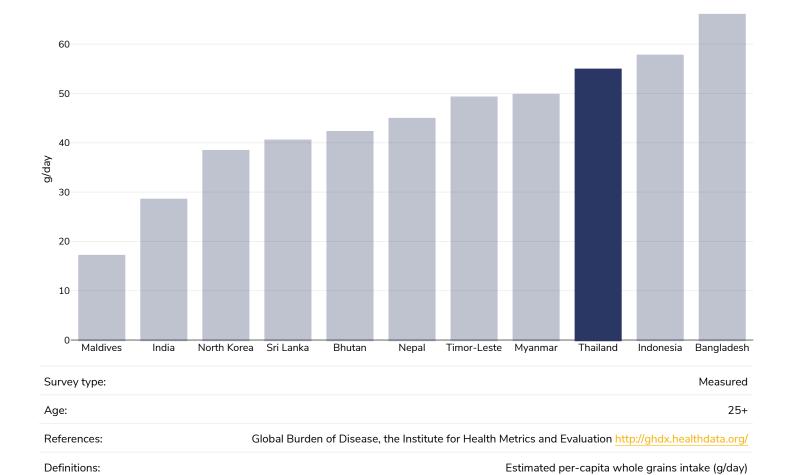
Definitions:

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



Estimated per capita whole grains intake

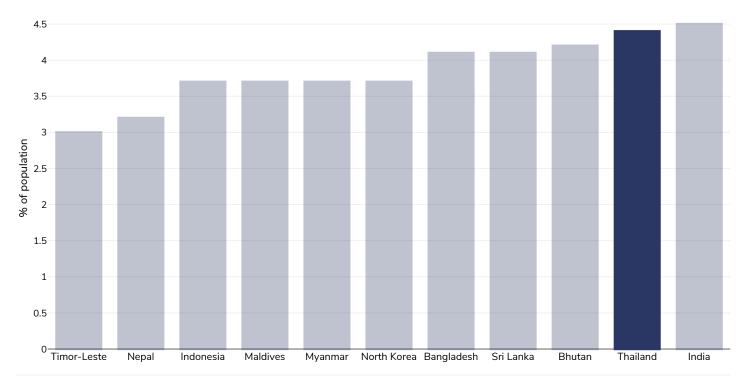
Adults, 2017





Mental health - depression disorders

Adults, 2015



References:

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

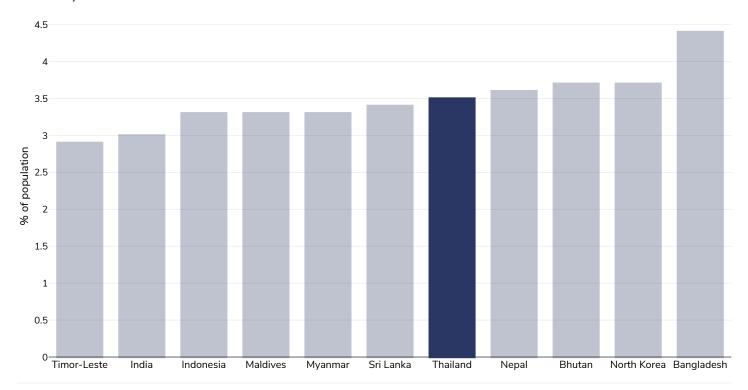
Definitions:

% of population with depression disorders



Mental health - anxiety disorders

Adults, 2015



References:

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

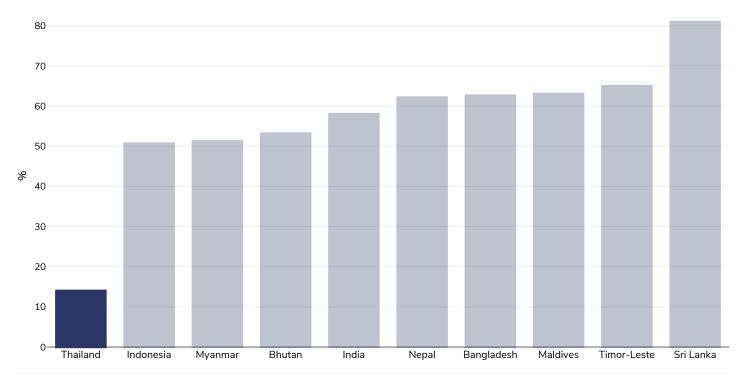
Definitions:

% of population with anxiety disorders



% Infants exclusively breastfed 0-5 months

Children, 2015-2020



Area covered: National

References:

Thailand Multiple Indicator Cluster Survey 2019, Survey Findings Report. Bangkok, Thailand: National Statistical Office of Thailand.

Notes:

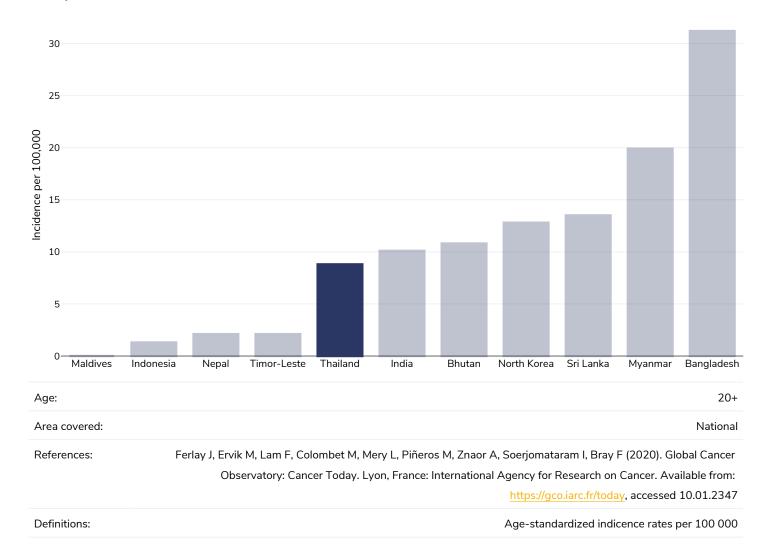
See UNICEF website for further survey information. Available at: https://data.unicef.org/resources/dataset/infant-young-child-feeding/ (last accessed 28.9.21) Citation: United Nations Children's Fund, Division of Data, Analysis, Planning and Monitoring (2021). Global UNICEF Global Databases: Infant and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

Definitions: % exclusively breastfed 0-5 months



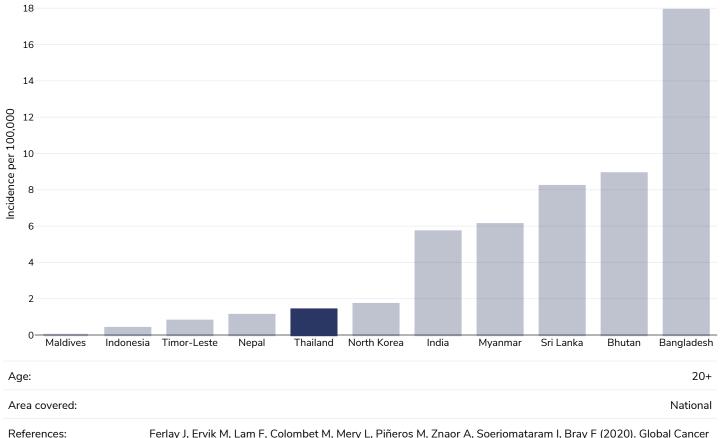
Oesophageal cancer

Men, 2020





Women, 2020



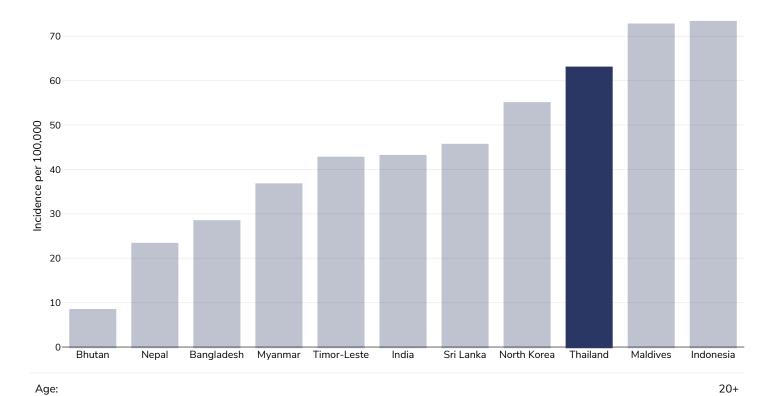
Ferlay J, Ervik M, Lam F, Colombet M, Mery L, Piñeros M, Znaor A, Soerjomataram I, Bray F (2020). Global Cancer Observatory: Cancer Today. Lyon, France: International Agency for Research on Cancer. Available from: https://gco.iarc.fr/today, accessed 10.01.2347

Definitions: Age-standardized indicence rates per 100 000



Breast cancer

Women, 2020



Area covered: National

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:

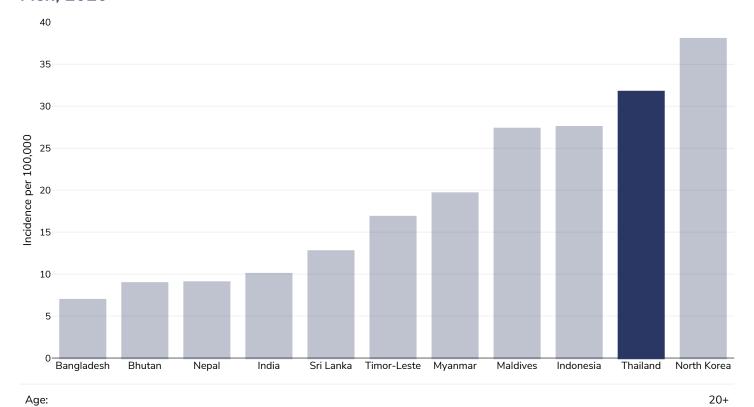
https://gco.iarc.fr/today, accessed 10.01.2347

Definitions: Age-standardized indicence rates per 100 000



Colorectal cancer

Men, 2020



References:

Area 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 10.01.2347

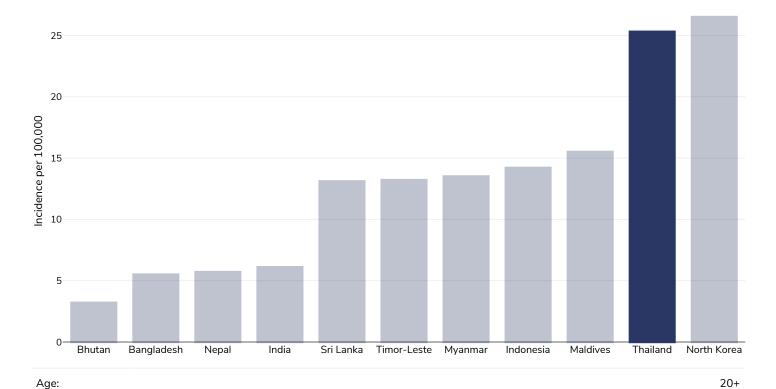
National

Definitions:

Age-standardized indicence rates per 100 000



Women, 2020



Area covered: National

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 10.01.2347

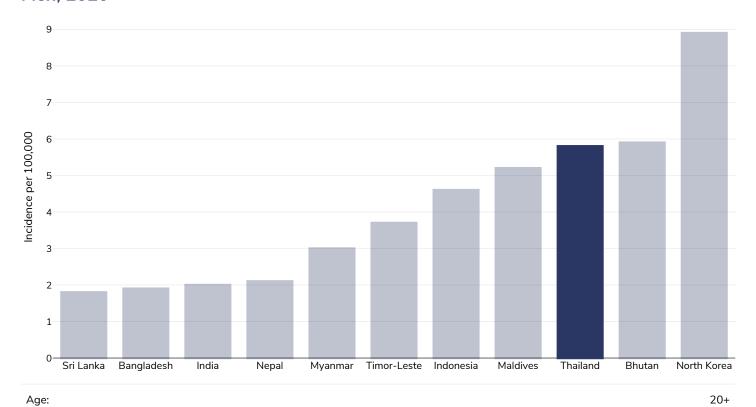
Definitions:

Age-standardized indicence rates per 100 000



Pancreatic cancer

Men, 2020



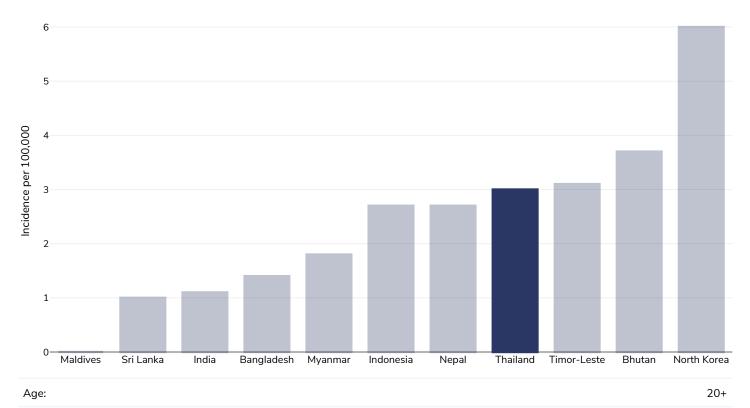
Area covered: National

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 10.01.2347

Definitions: Age-standardized indicence rates per 100 000





Area covered: National

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 10.01.2347

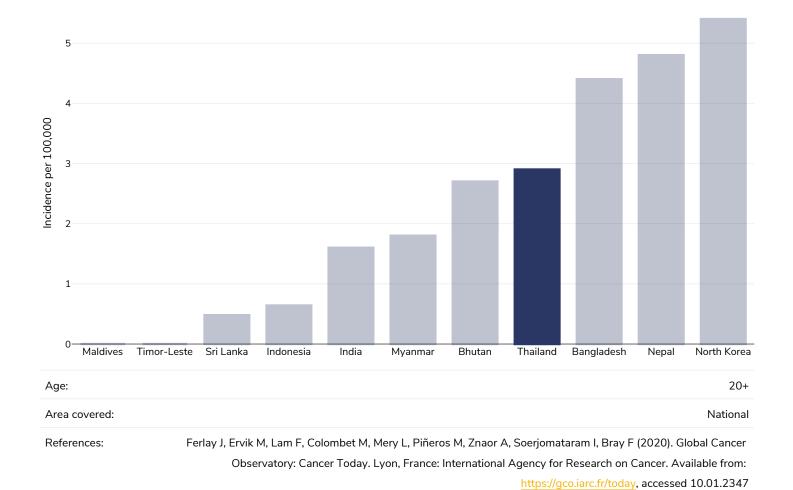
Definitions:



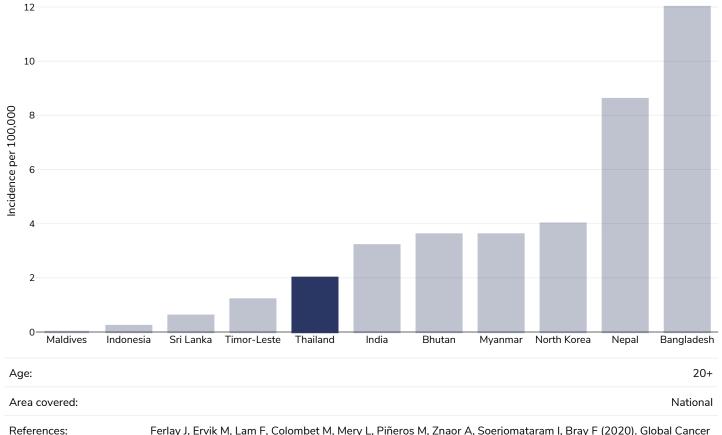
Gallbladder cancer

Men, 2020

Definitions:







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:

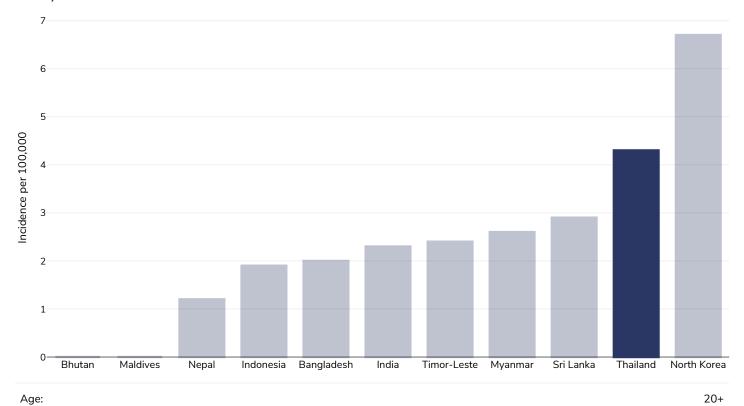
https://gco.iarc.fr/today, accessed 10.01.2347

Definitions:



Kidney cancer

Men, 2020



Area covered: National

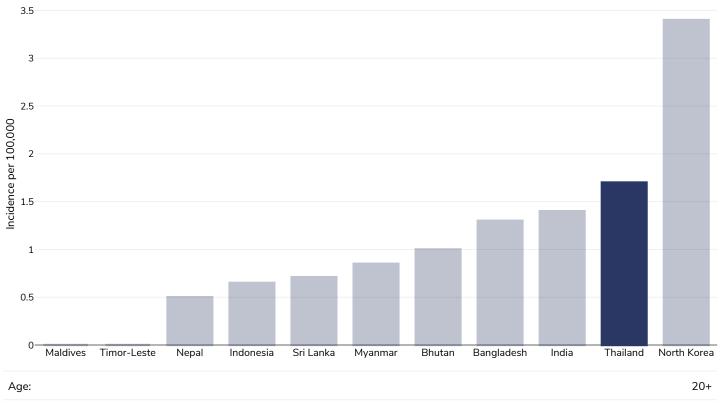
References:

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 10.01.2347

Definitions:





Area covered: National

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:

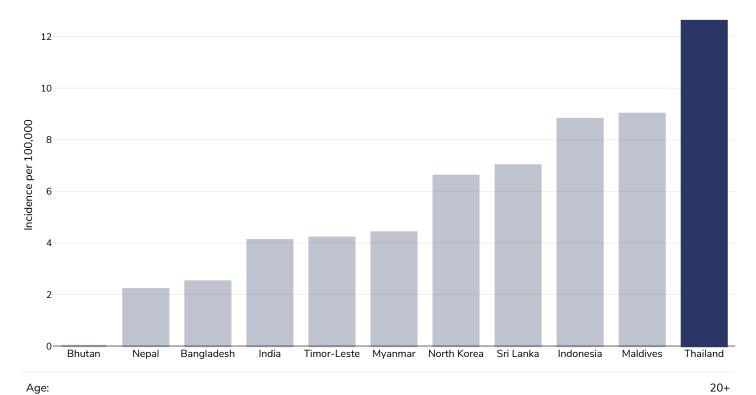
https://gco.iarc.fr/today, accessed 10.01.2347

Definitions:



Cancer of the uterus

Women, 2020



20.

Area covered: National

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:

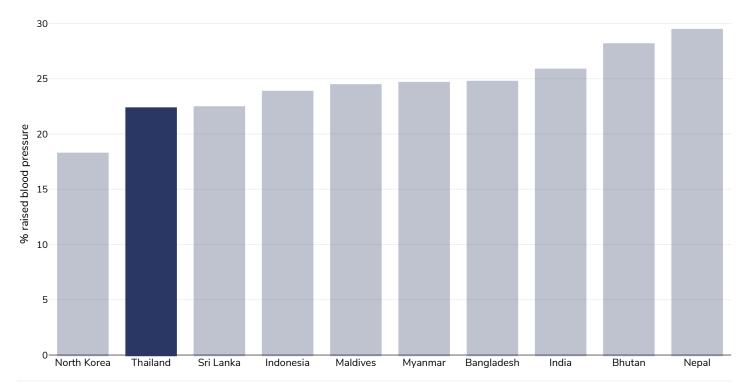
https://gco.iarc.fr/today, accessed 10.01.2347

Definitions: Age-standardized indicence rates per 100 000



Raised blood pressure

Adults, 2015



References:

Global Health Observatory data repository, World Health Organisation,

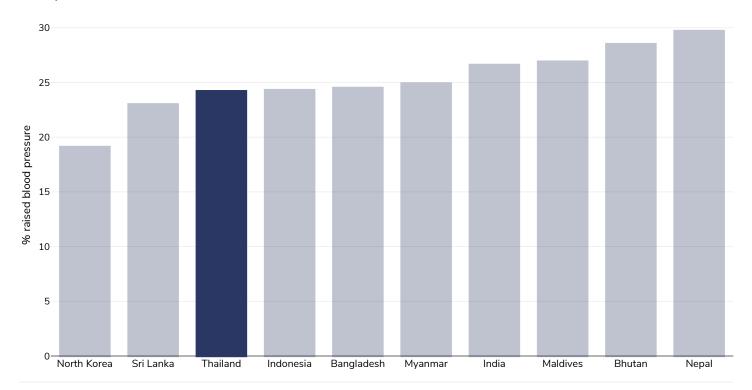
http://apps.who.int/gho/data/node.main.A875?lang=en

Definitions:

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



Men, 2015



References:

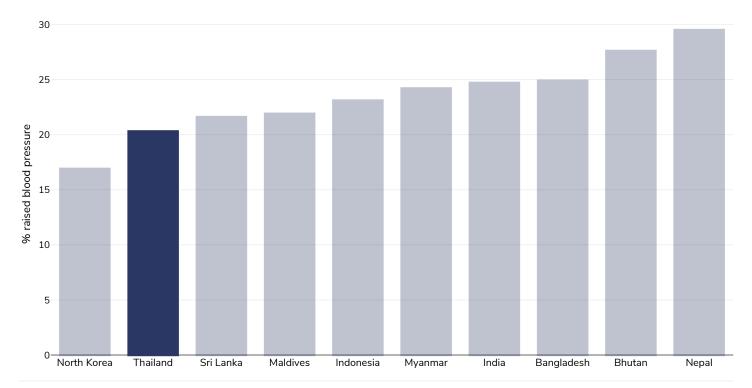
Global Health Observatory data repository, World Health Organisation,

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,

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

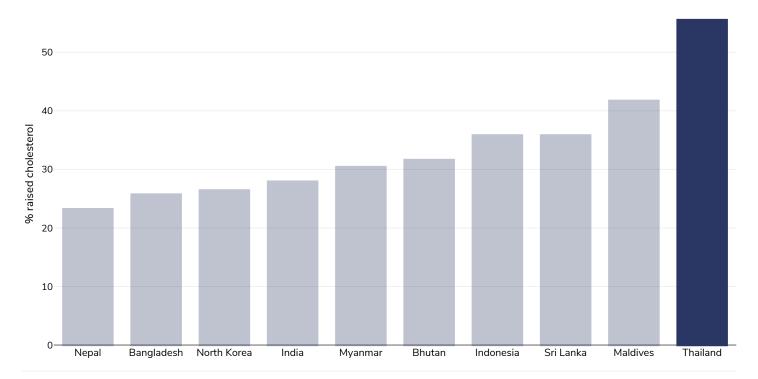
Definitions:

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,

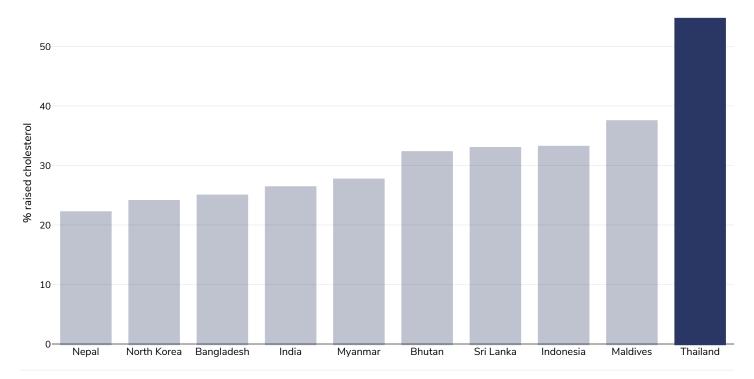
http://apps.who.int/gho/data/node.main.A885

Definitions:

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



Men, 2008



References:

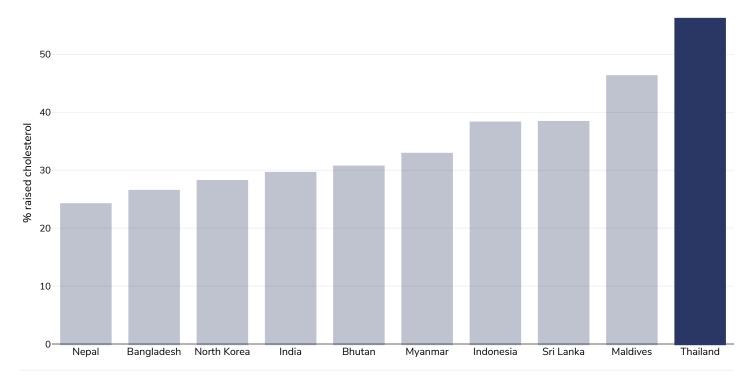
Global Health Observatory data repository, World Health Organisation,

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

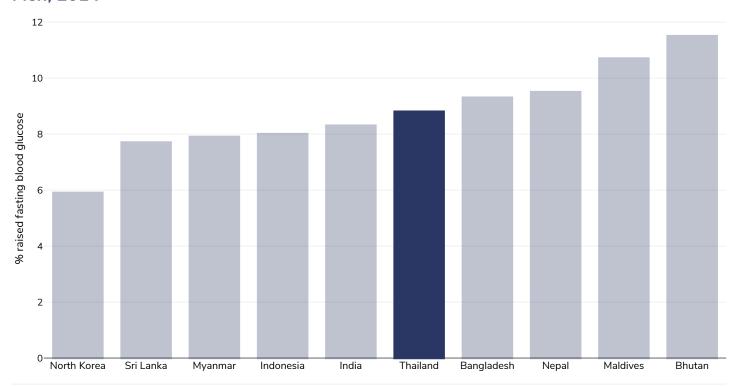
Definitions:

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



Raised fasting blood glucose

Men, 2014



References:

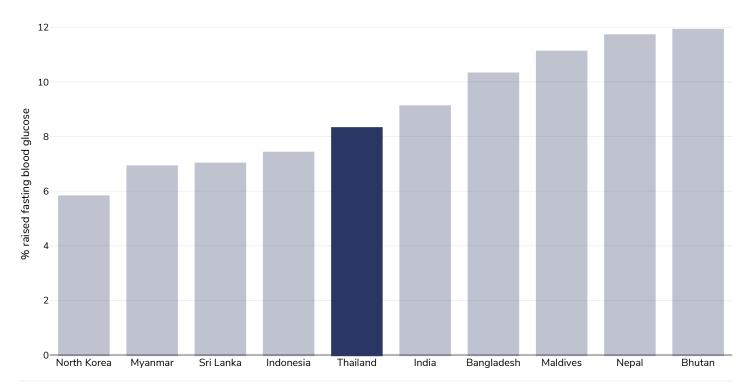
Global Health Observatory data repository, World Health Organisation,

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

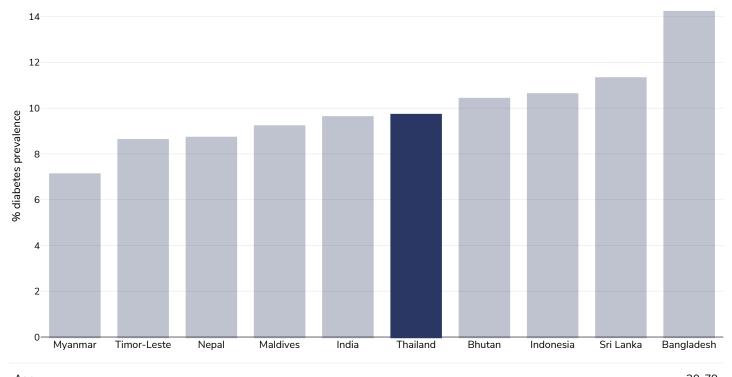
Definitions:

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



Diabetes prevalence

Adults, 2021



Age: 20-79

Area covered: National

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

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

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? | ✓ |
|---|----------|
| Front-of-package labelling? | ✓v |
| Back-of-pack nutrition declaration? | ✓ |
| Color coding? | × |
| Warning label? | × |





Regulation and marketing

| Are there fiscal policies on unhealthy products? | ~ |
|--|------------|
| Tax on unhealthy foods? | × |
| Tax on unhealthy drinks? | ~ |
| Are there fiscal policies on healthy products? | X |
| Subsidy on fruits? | X |
| Subsidy on vegetables? | × |
| Subsidy on other healthy products? | × |
| Mandatory limit or ban of trans fat (all settings)? | ~ |
| 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? | ~ |
| Mandatory restriction on broadcast media? | ~ |
| Mandatory restriction on non-broadcast media? | ~ |
| Voluntary policies/marketing restrictions on the promotion of unhealthy food/drinks to children? | √ v |
| 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 physical activity national strategy? | / |
|--|----------|
| National obesity strategy? | × |
| National childhood obesity strategy? | × |
| Comprehensive nutrition strategy? | ~ |
| Comprehensive physical activity strategy? | ~ |
| Evidence-based dietary guidelines and/or RDAs? | ✓ ✓ |
| National target(s) on reducing obesity? | ~ |
| Guidelines/policy on obesity treatment? | ~ |
| Promotion of breastfeeding? | ~ |
| Monitoring and surveillance | |
| Monitoring of the prevalence and incidence for the main obesity-related NCDs and risk factors? | ~ |
| Within 5 years? | ~ |
| Governance and resource | |
| Multi-sectoral national co-ordination mechanism for obesity or nutrition (including obesity)? | ~ |
| Key | |
| Present Present (voluntary) Incoming X Absent ? Unknown | |

Last updated September 13, 2022

PDF created on May 18, 2024