

# Report card

## Thailand

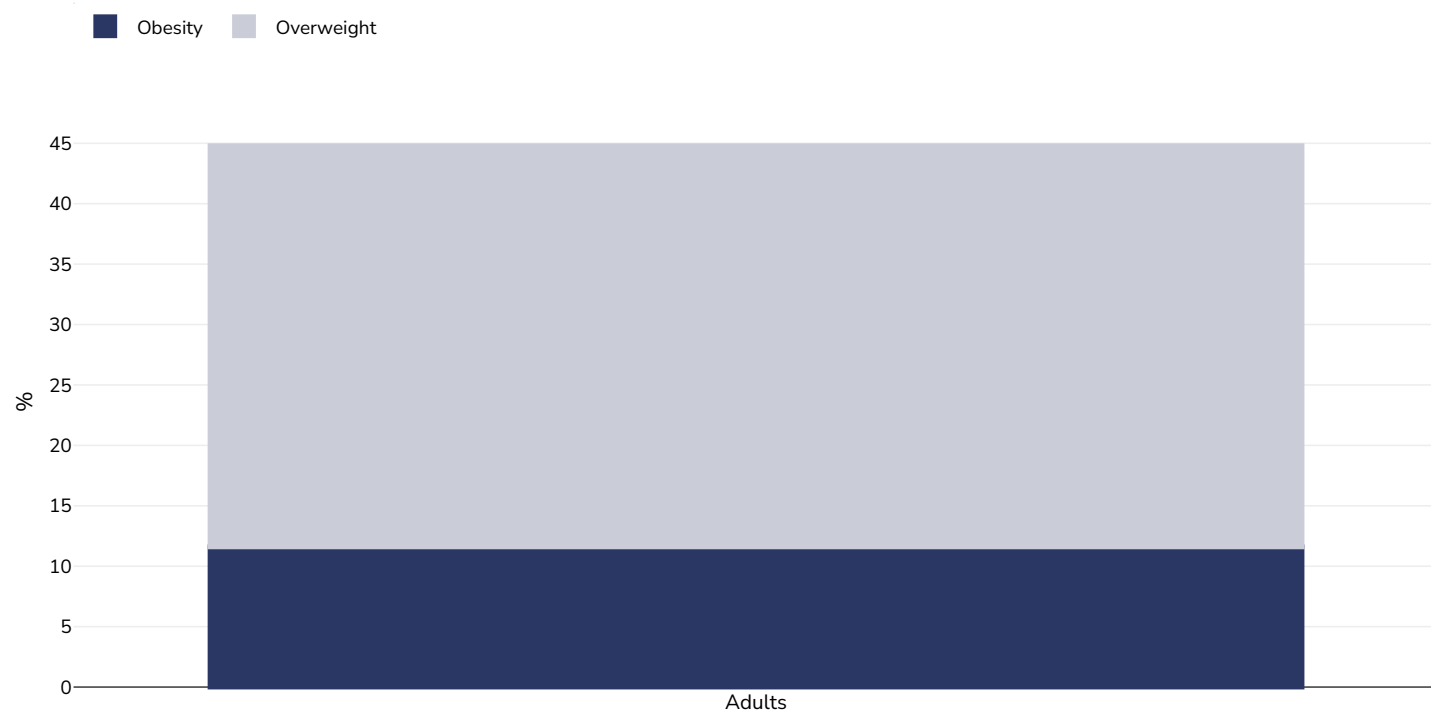


### Upper-middle income

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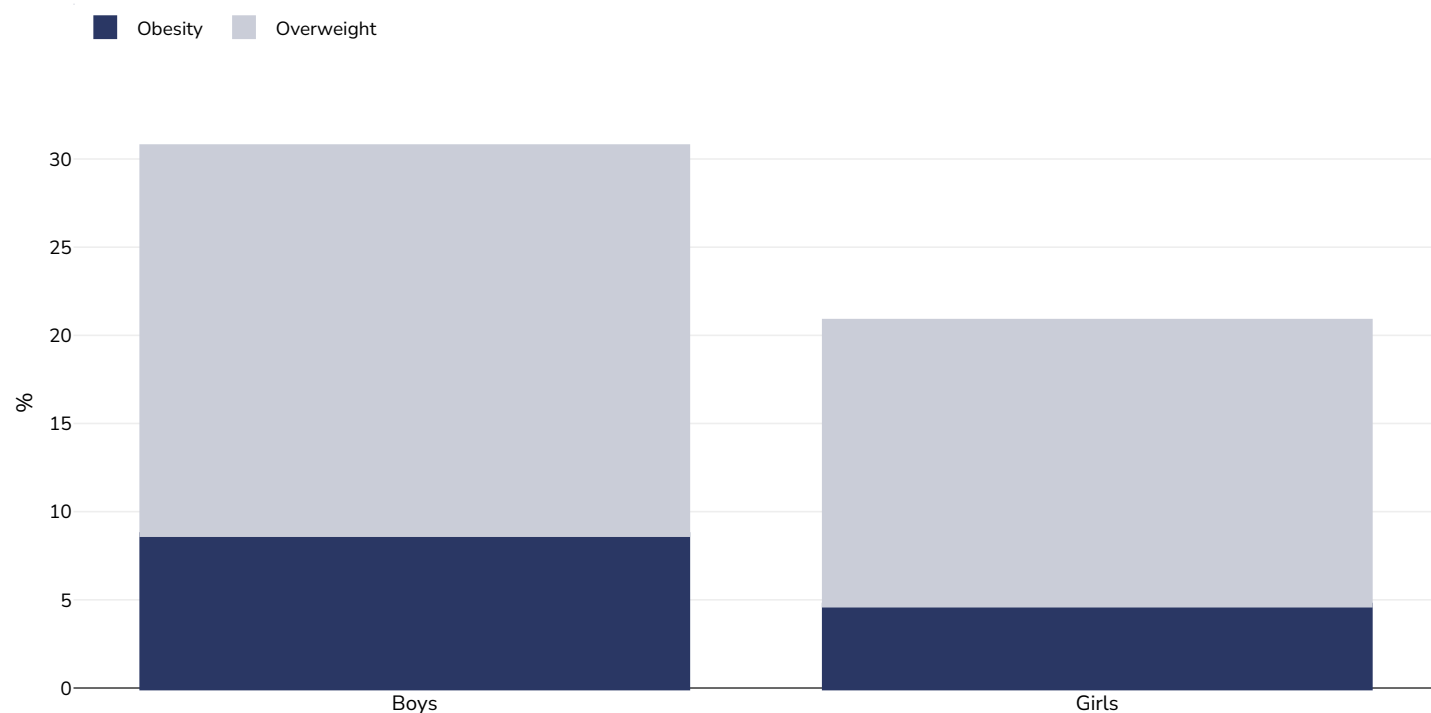
# Obesity prevalence

## Adults, 2018



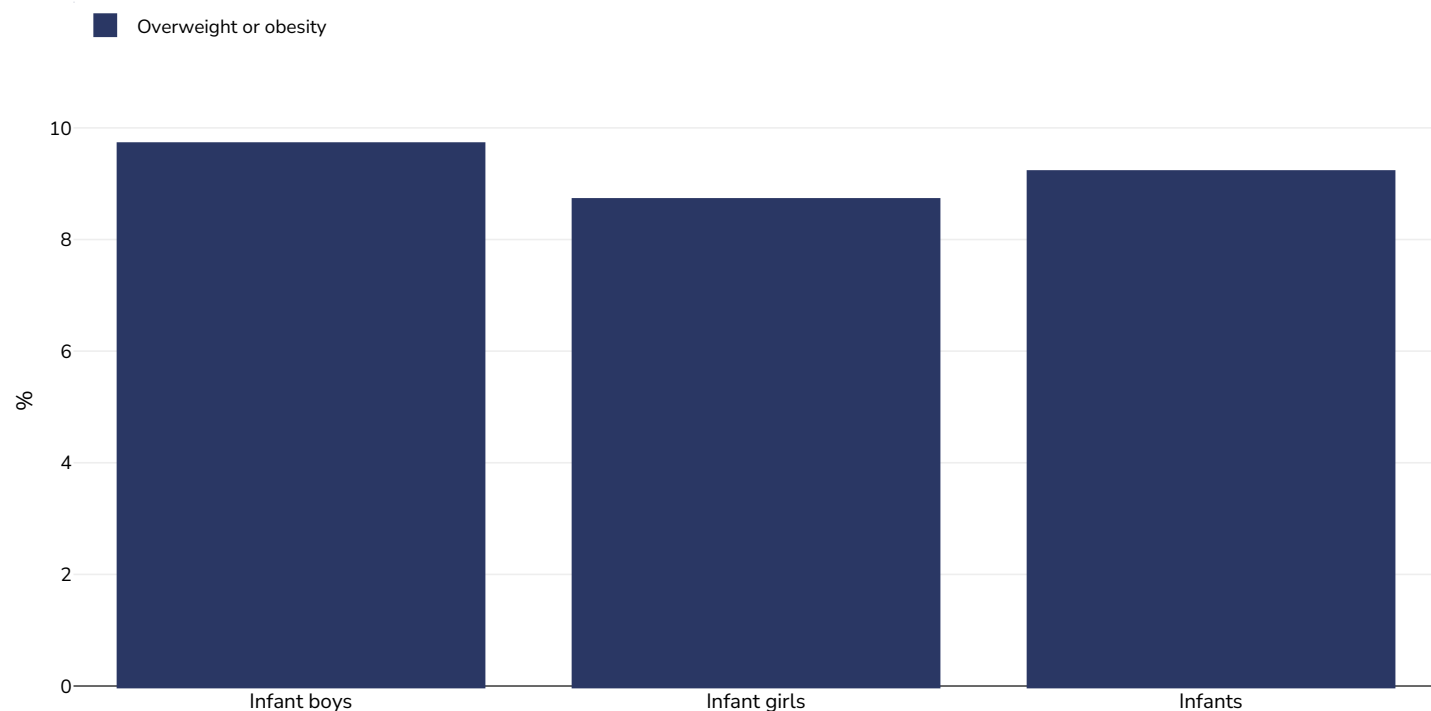
Survey type:	Measured
Age:	15+
Sample size:	627
Area covered:	Regional
References:	<p>Sakboonyarat, B., Pornpongsawad, C., Sangkool, T. et al. Trends, prevalence and associated factors of obesity among adults in a rural community in Thailand: serial cross-sectional surveys, 2012 and 2018. BMC Public Health 20, 850 (2020). <a href="https://doi.org/10.1186/s12889-020-09004-w">https://doi.org/10.1186/s12889-020-09004-w</a></p>
Notes:	NB Small regional survey NOT NATIONAL
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:	Self-reported
Age:	13-17
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-b40873aaf988.pdf?sfvrsn=be5c3553_1&amp;download=true">https://cdn.who.int/media/docs/default-source/ncds/ncd-surveillance/data-reporting/thailand/2021_thailand_gshs_fact_sheetada1f3cd-2ee4-4258-a01f-b40873aaf988.pdf?sfvrsn=be5c3553_1&amp;download=true</a>
Cutoffs:	BMI-for-age-sex

## Infants, 2019



Age: 0-5

Sample size: 12138

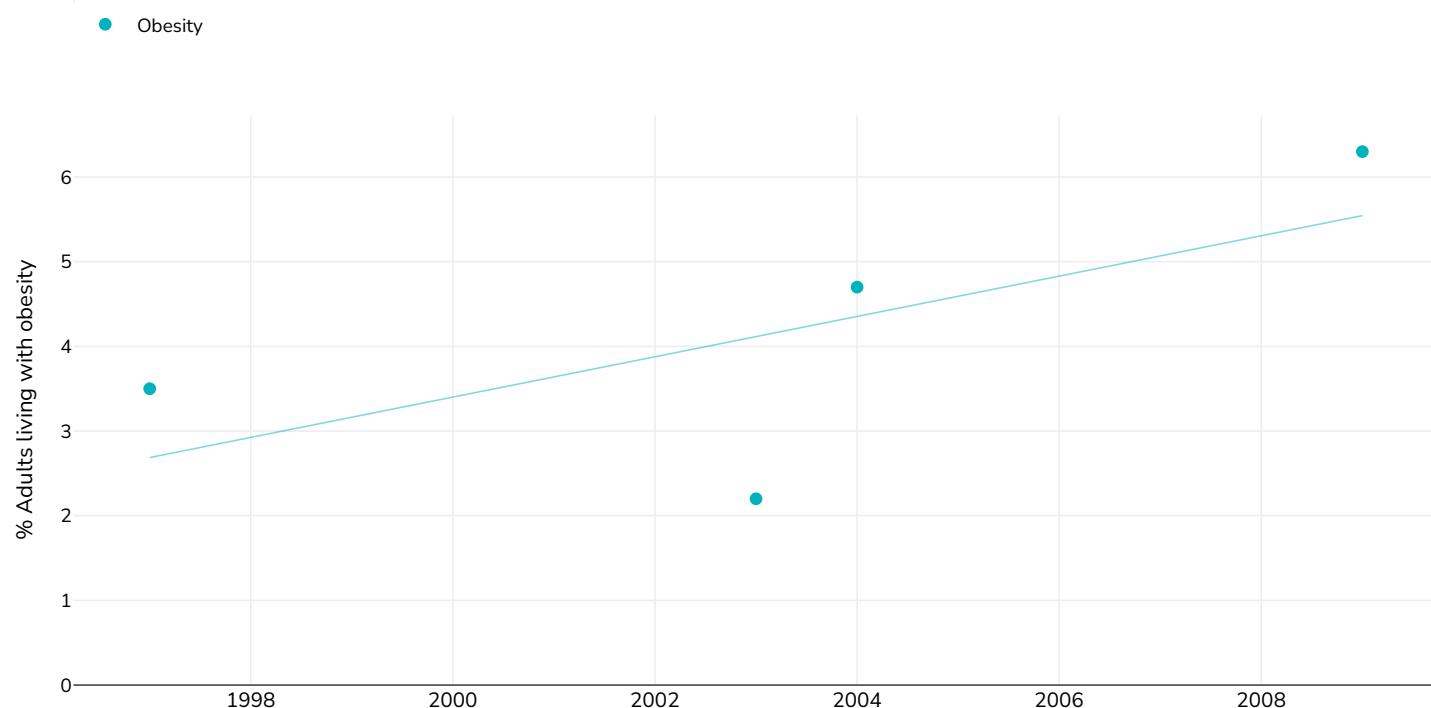
References: MICS: Thailand Multiple Indicator Cluster Survey 2019, Survey Findings Report. Bangkok, Thailand: National Statistical Office of Thailand.

Notes: UNICEF/WHO/World Bank Joint Child Malnutrition Estimates Expanded Database: Overweight (Survey Estimates), May 2023, New York. For more information about the methodology, please consult <https://data.unicef.org/resources/jme-2023-country-consultations/> Percentage of children under 5 years of age falling above 2 standard deviations (moderate and severe) from the median weight-for-height of the reference population.

Definitions: =>+2SD

## % Adults living with obesity in Thailand 1997-2009

### Men



Survey  
type:

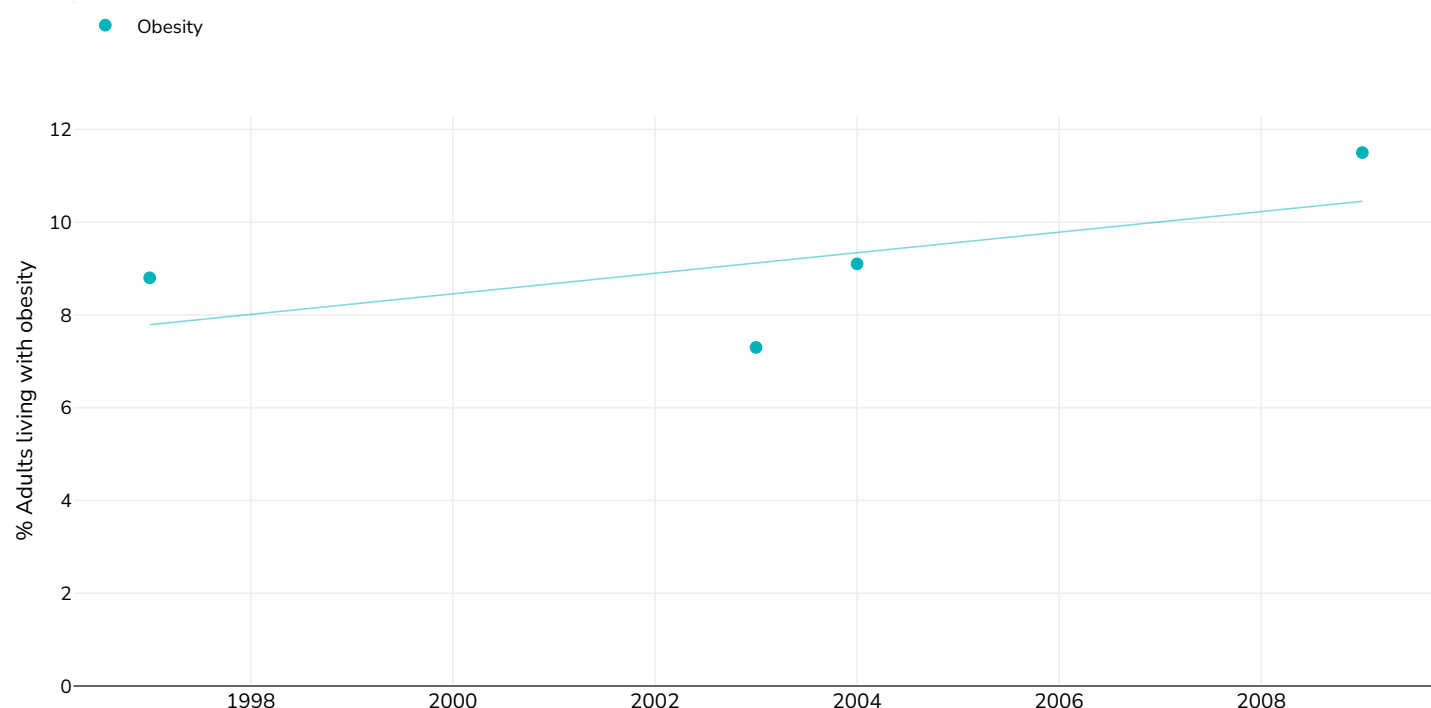
Measured

- References:
- 1997: Aekplakorn W, Chaipayong Y, Neal B, Chariyalertsak W, Kunanusont C, Phoolcharoen W, Suriyawongpaisal P. Prevalence and Determinants of Overweight and Obesity in Thai Adults: Results of the Second National Health Examination Survey. J Med Assoc Thai 2004;87(6):685-93
  - 2003: Jitnarin N, Kosulwat V, Rojroongwasinkul N et al. Prevalence of overweight and obesity in Thai population: Results of the National Thai Food Consumption Survey. 2011;16:e242-e249
  - 2004: Aekplakorn W and Mo-Suwan L. (2009). National prevalence of obesity. Prevalence of obesity in Thailand. Obesity Reviews, 10: 589 - 592.
  - 2009: 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
  - 2014: Yan LD, Hanvoravongchai P, Aekplakorn W, Chariyalertsak S, Kessomboon P, Assanangkornchai S, et al. (2020) Universal coverage but unmet need: National and regional estimates of attrition across the diabetes care continuum in Thailand. PLoS ONE 15(1):e0226286. <https://doi.org/10.1371/journal.pone.0226286>

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

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



Survey  
type:

Measured

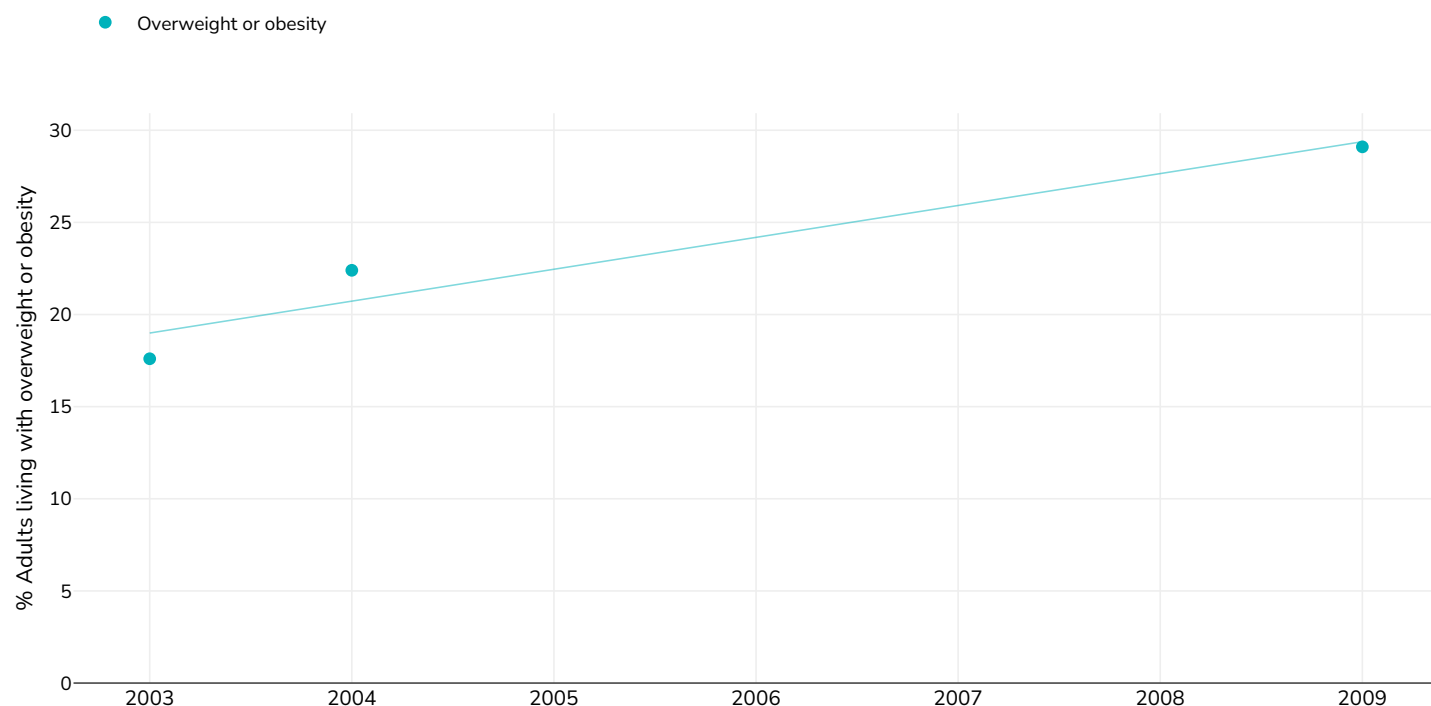
- References:
- 1997: Aekplakorn W, Chaipayong Y, Neal B, Chariyalertsak W, Kunanusont C, Phoolcharoen W, Suriyawongpaisal P. Prevalence and Determinants of Overweight and Obesity in Thai Adults: Results of the Second National Health Examination Survey. J Med Assoc Thai 2004;87(6):685-93
  - 2003: Jitnarin N, Kosulwat V, Rojroongwasinkul N et al. Prevalence of overweight and obesity in Thai population: Results of the National Thai Food Consumption Survey. 2011;16:e242-e249
  - 2004: Aekplakorn W and Mo-Suwan L. (2009). National prevalence of obesity. Prevalence of obesity in Thailand. Obesity Reviews, 10: 589 - 592.
  - 2009: 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
  - 2014: Yan LD, Hanvoravongchai P, Aekplakorn W, Chariyalertsak S, Kessomboon P, Assanangkornchai S, et al. (2020) Universal coverage but unmet need: National and regional estimates of attrition across the diabetes care continuum in Thailand. PLoS ONE 15(1):e0226286. <https://doi.org/10.1371/journal.pone.0226286>

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

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 in Thailand 2003-2009

### Men



Survey  
type:

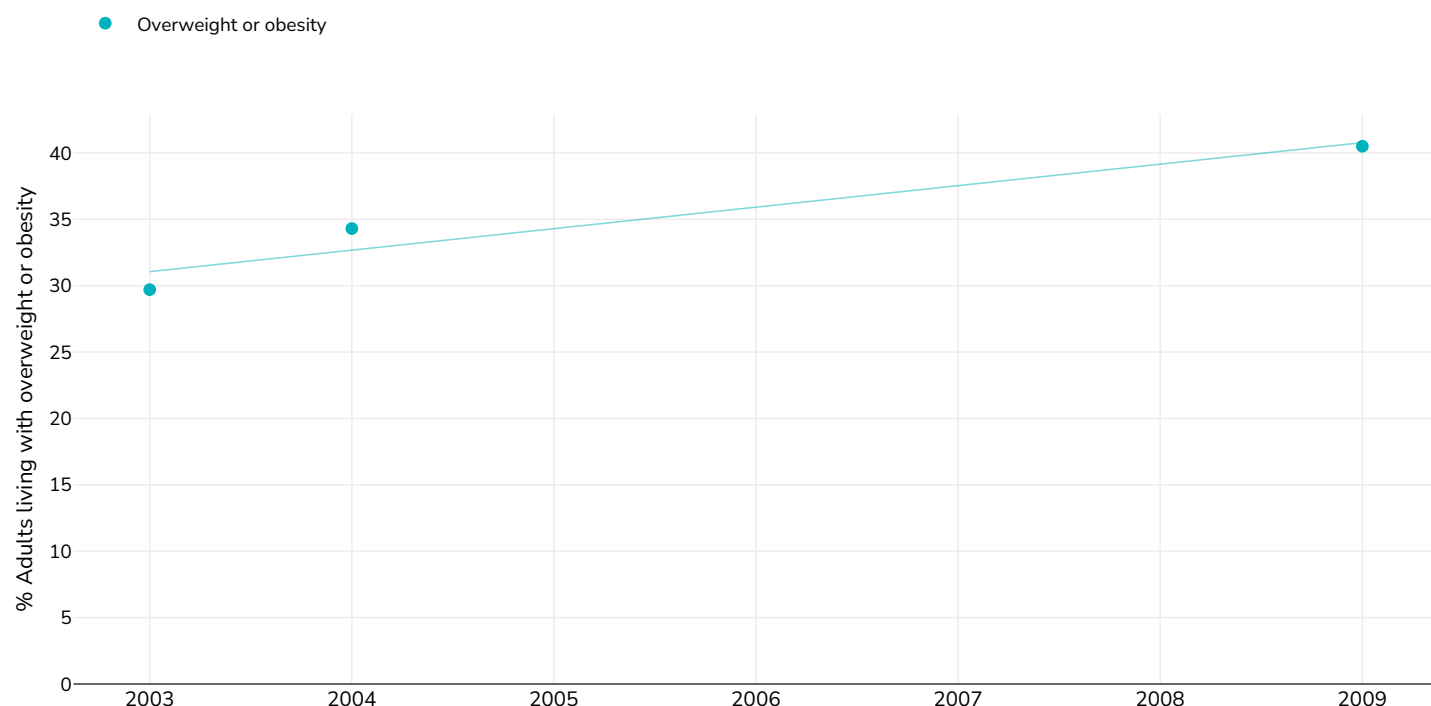
Measured

- References:
- 2003: Jitnarin N, Kosulwat V, Rojroongwasinkul N et al. Prevalence of overweight and obesity in Thai population: Results of the National Thai Food Consumption Survey. 2011;16:e242-e249
  - 2004: Aekplakorn W and Mo-Suwan L. (2009). National prevalence of obesity. Prevalence of obesity in Thailand. Obesity Reviews, 10: 589 - 592.
  - 2009: 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
  - 2014: Yan LD, Hanvoravongchai P, Aekplakorn W, Chariyalertsak S, Kessomboon P, Assanangkornchai S, et al. (2020) Universal coverage but unmet need: National and regional estimates of attrition across the diabetes care continuum in Thailand. PLoS ONE 15(1):e0226286. <https://doi.org/10.1371/journal.pone.0226286>

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

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



Survey  
type:

Measured

- References:
- 2003: Jitnarin N, Kosulwat V, Rojroongwasinkul N et al. Prevalence of overweight and obesity in Thai population: Results of the National Thai Food Consumption Survey. 2011;16:e242-e249
  - 2004: Aekplakorn W and Mo-Suwan L. (2009). National prevalence of obesity. Prevalence of obesity in Thailand. Obesity Reviews, 10: 589 - 592.
  - 2009: 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
  - 2014: Yan LD, Hanvoravongchai P, Aekplakorn W, Chariyalertsak S, Kessomboon P, Assanangkornchai S, et al. (2020) Universal coverage but unmet need: National and regional estimates of attrition across the diabetes care continuum in Thailand. PLoS ONE 15(1):e0226286. <https://doi.org/10.1371/journal.pone.0226286>

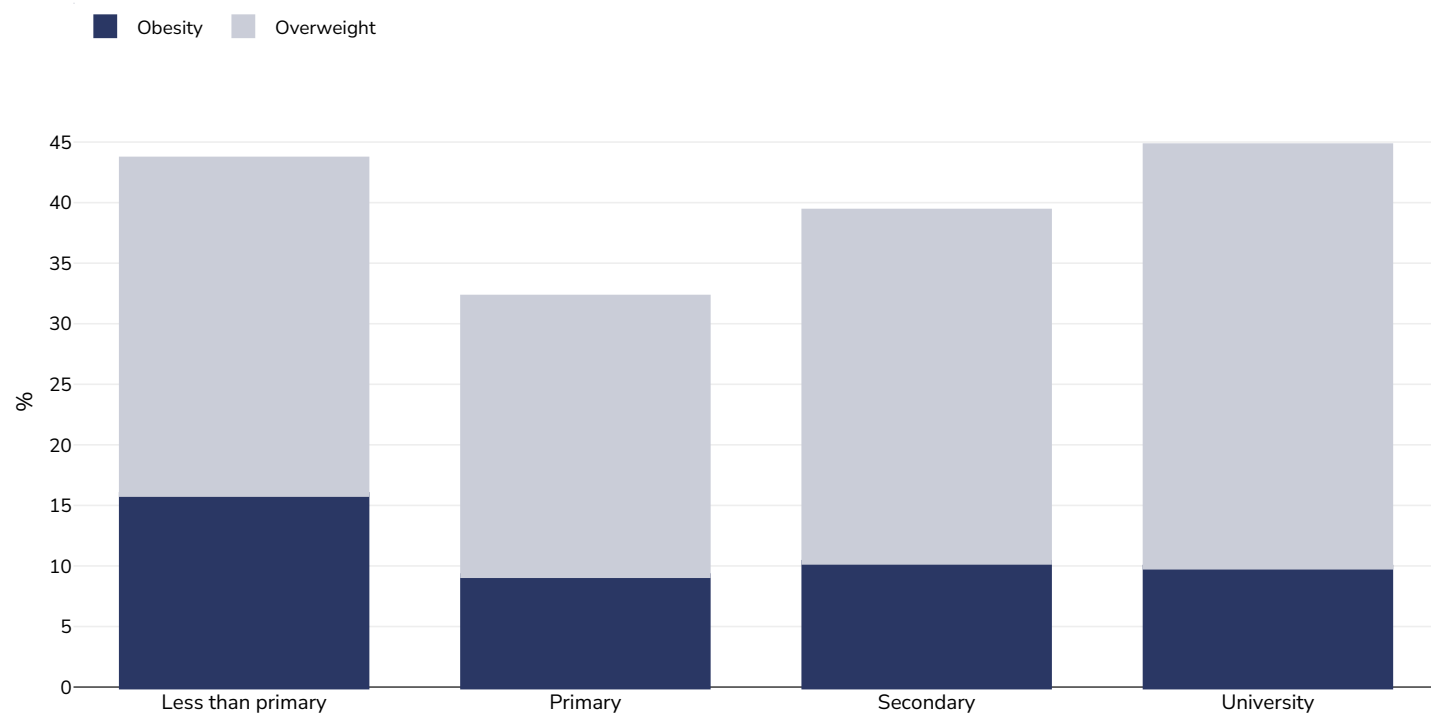
Unless otherwise noted, overweight refers to a BMI between 25kg and 29.9kg/m<sup>2</sup>, obesity refers to a BMI greater than 30kg/m<sup>2</sup>.

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, 2009



Survey type: Measured

Age: 20+

Sample size: 19,181

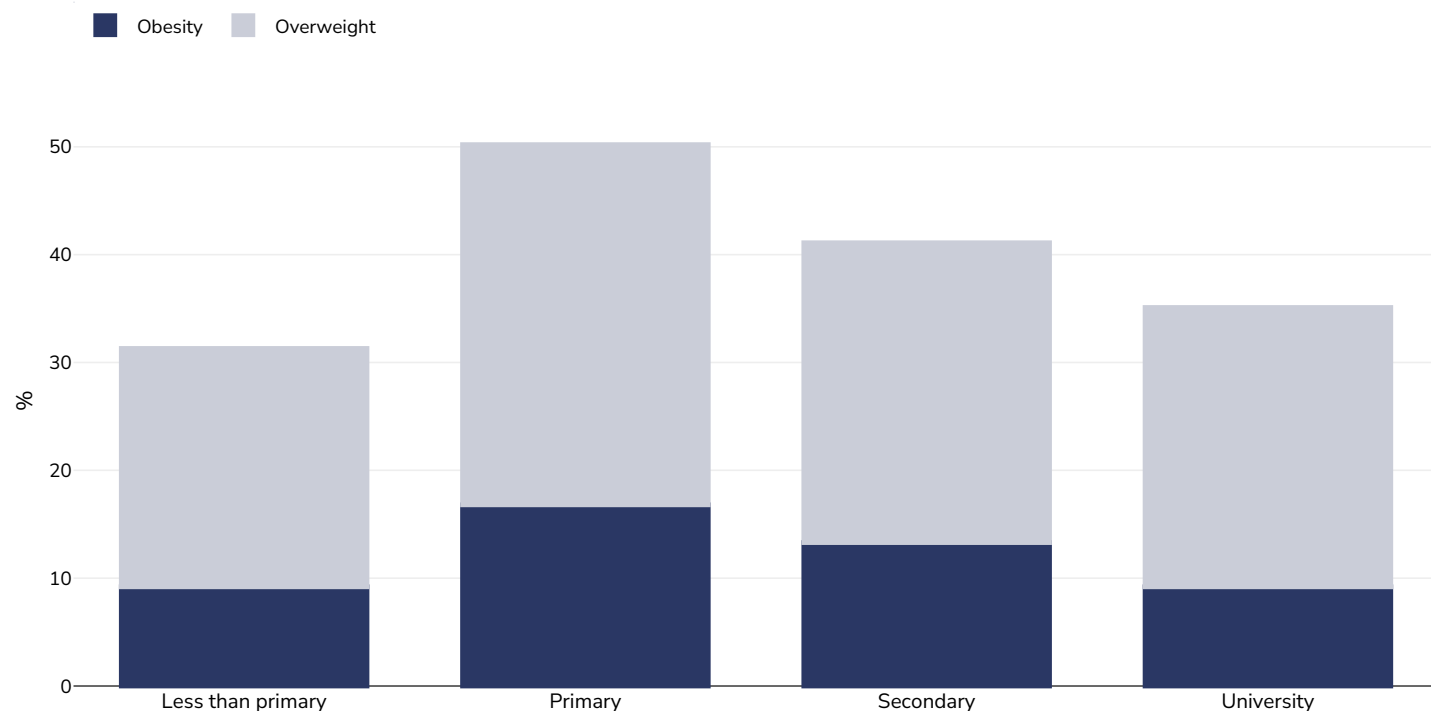
Area covered: National - URBAN

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/m<sup>2</sup>

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

## Women, 2009



Survey type: Measured

Age: 20+

Sample size: 19,181

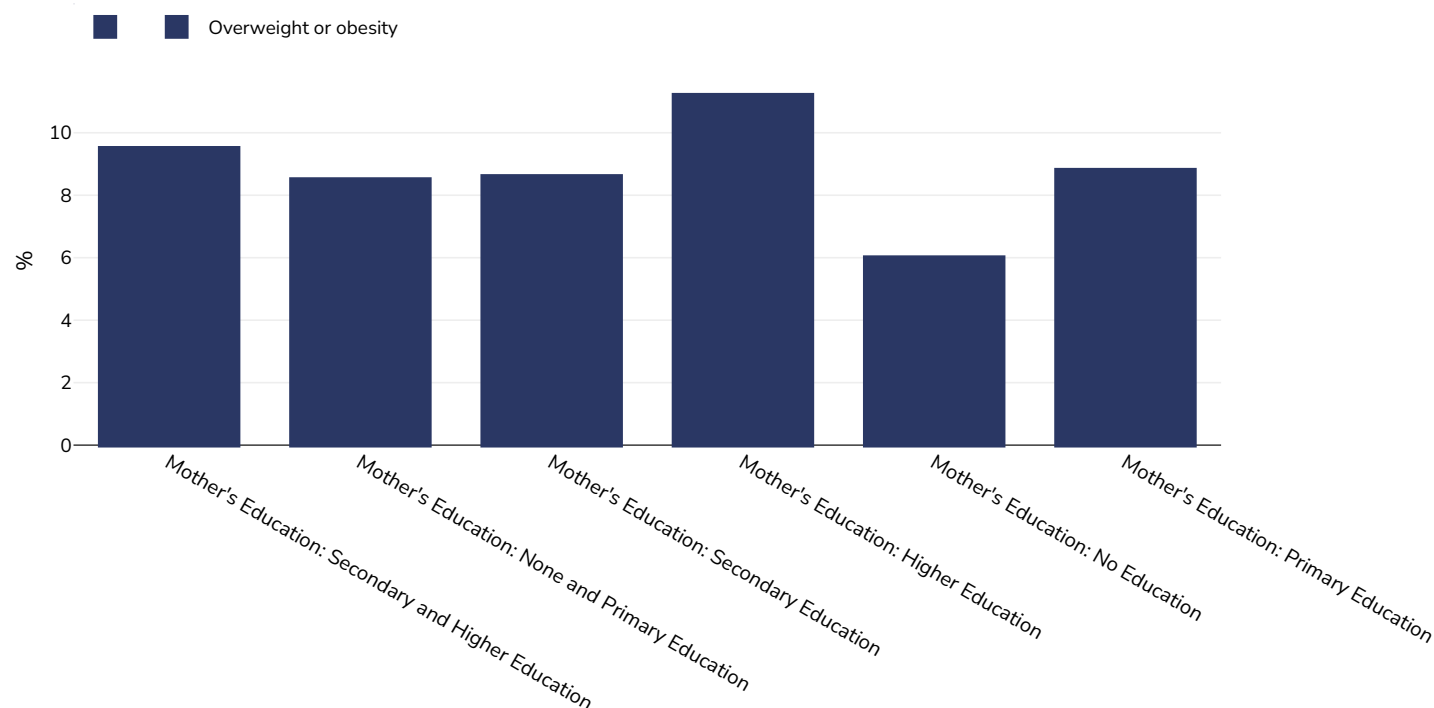
Area covered: National - URBAN

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/m<sup>2</sup>

*Unless otherwise noted, overweight refers to a BMI between 25kg and 29.9kg/m<sup>2</sup>, obesity refers to a BMI greater than 30kg/m<sup>2</sup>.*

## Infants, 2019



Sample size: 12138

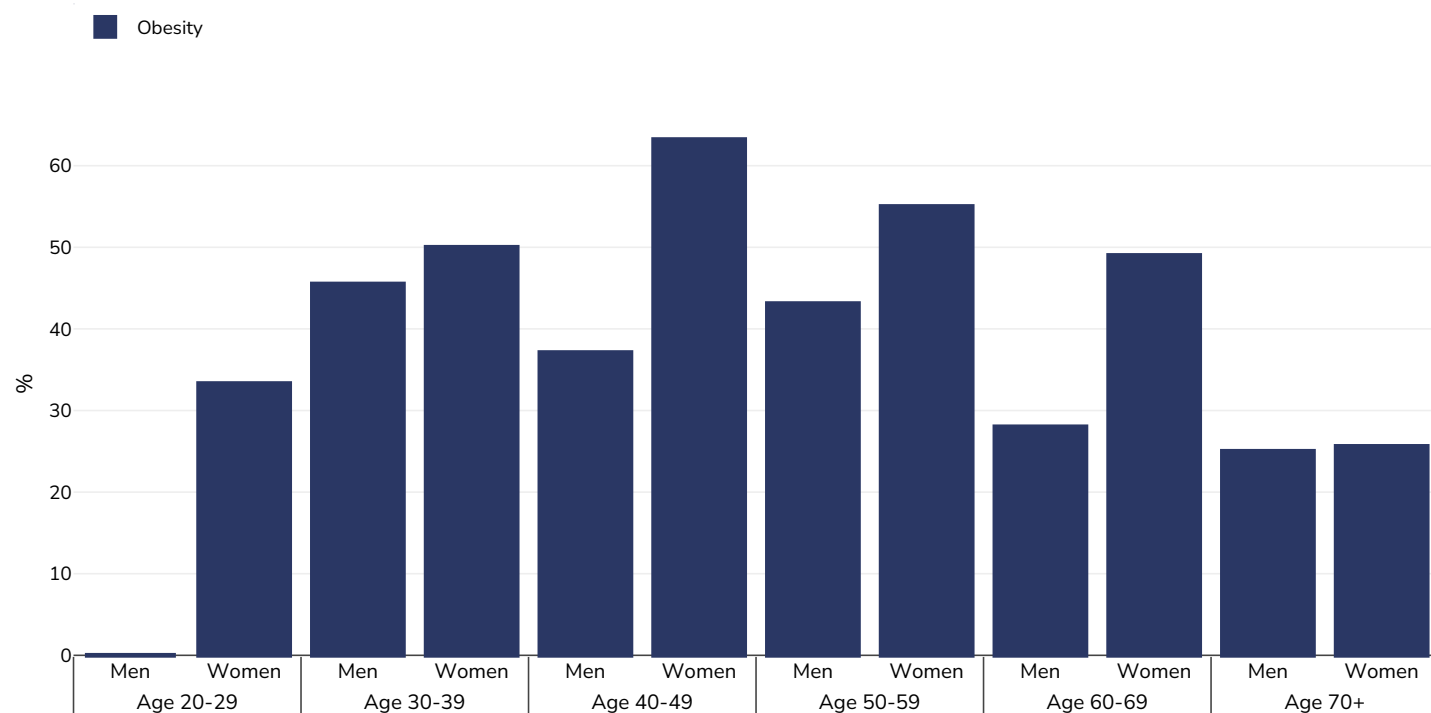
References: MICS: Thailand Multiple Indicator Cluster Survey 2019, Survey Findings Report. Bangkok, Thailand: National Statistical Office of Thailand.

Notes: UNICEF/WHO/World Bank Joint Child Malnutrition Estimates Expanded Database: Overweight (Survey Estimates), May 2023, New York. For more information about the methodology, please consult <https://data.unicef.org/resources/jme-2023-country-consultations/> Percentage of children under 5 years of age falling above 2 standard deviations (moderate and severe) from the median weight-for-height of the reference population.

Definitions: =>+2SD

## Overweight/obesity by age

### Adults, 2018



Survey  
type:

Measured

Sample  
size:

627

Area  
covered:

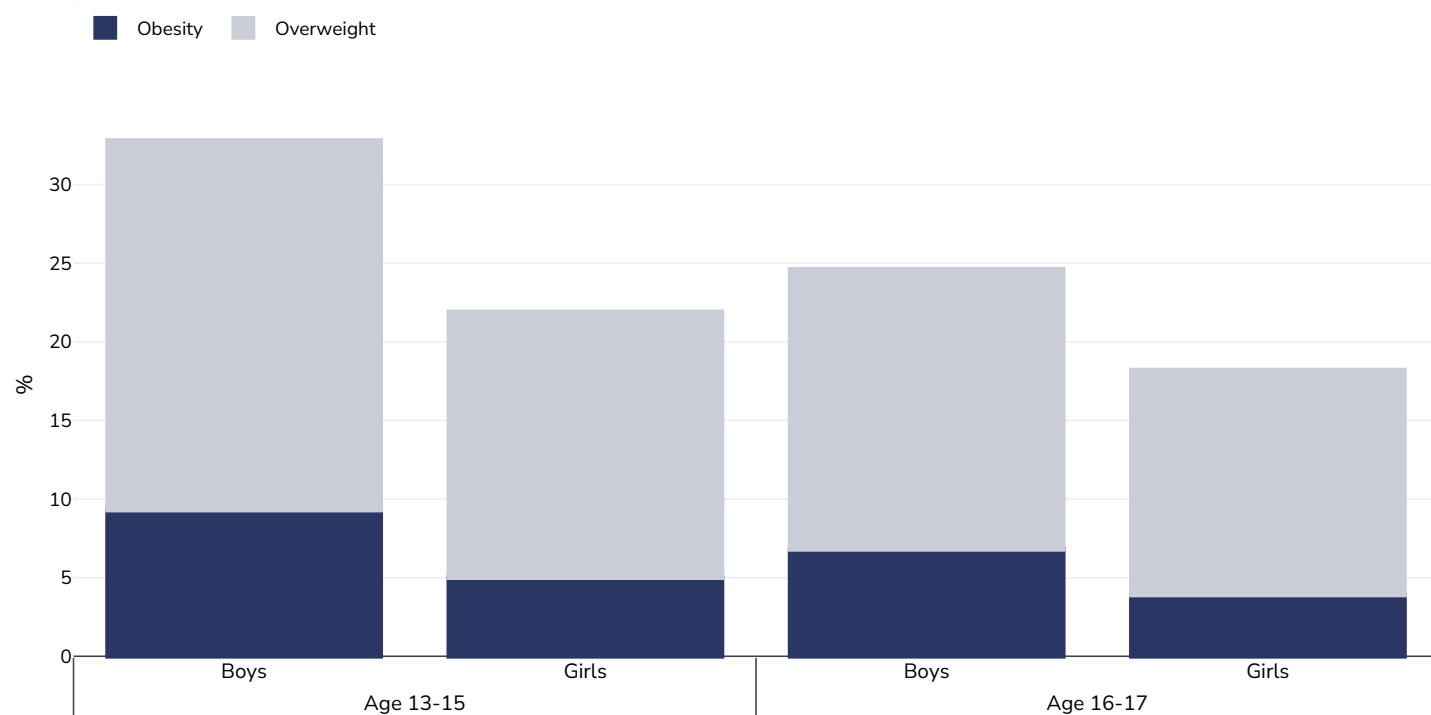
Na-Ngam rural community

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://bmcpublihealth.biomedcentral.com/articles/10.1186/s12889-020-09004-w#:~:text=In%20Thailand%2C%20the%20Thai%20National%20Health%20Examination%20Surveys,among%20males%20and%20females%2C%20respectively%20%5B%203%20%5D.>

*Unless otherwise noted, overweight refers to a BMI between 25kg and 29.9kg/m<sup>2</sup>, obesity refers to a BMI greater than 30kg/m<sup>2</sup>.*

## Children, 2021



Survey type: Measured

Sample size: 5661

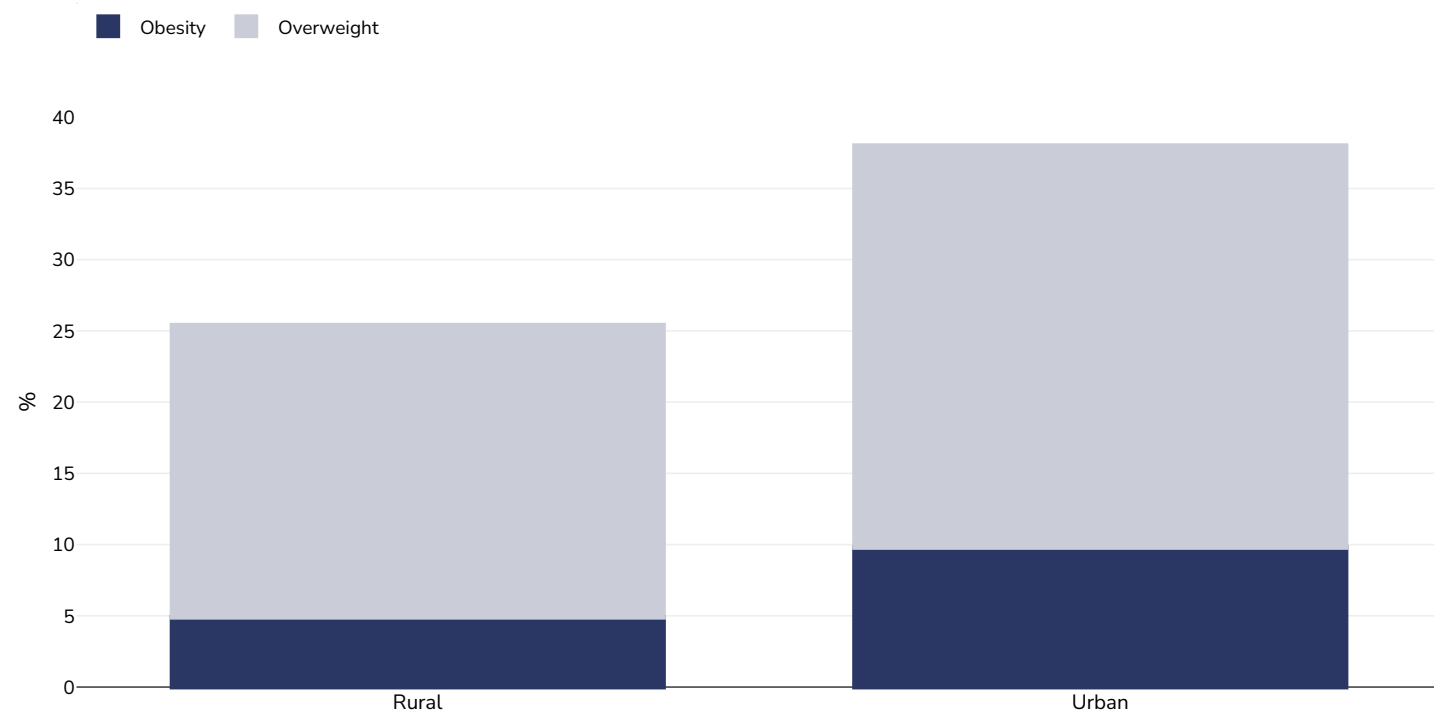
Area covered: National

References: 2021 GSHS Fact Sheet Thailand. Available at: [https://cdn.who.int/media/docs/default-source/ncds/ncd-surveillance/data-reporting/thailand/2021\\_thailand\\_gshs\\_fact\\_sheetada1f3cd-2ee4-4258-a01f-b40873aaf988.pdf?sfvrsn=be5c3553\\_1&download=true](https://cdn.who.int/media/docs/default-source/ncds/ncd-surveillance/data-reporting/thailand/2021_thailand_gshs_fact_sheetada1f3cd-2ee4-4258-a01f-b40873aaf988.pdf?sfvrsn=be5c3553_1&download=true)

Cutoffs: BMI-for-age-sex

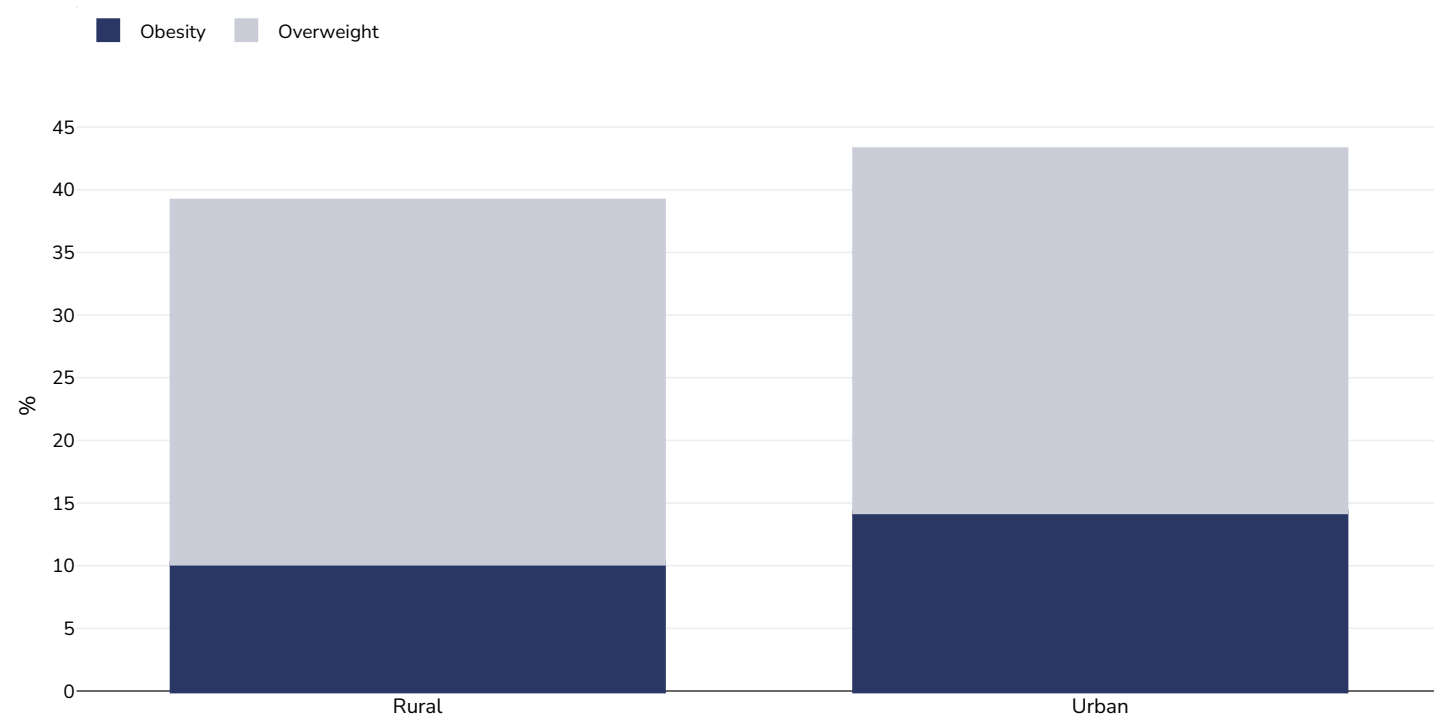
## Overweight/obesity by region

### Men, 2009



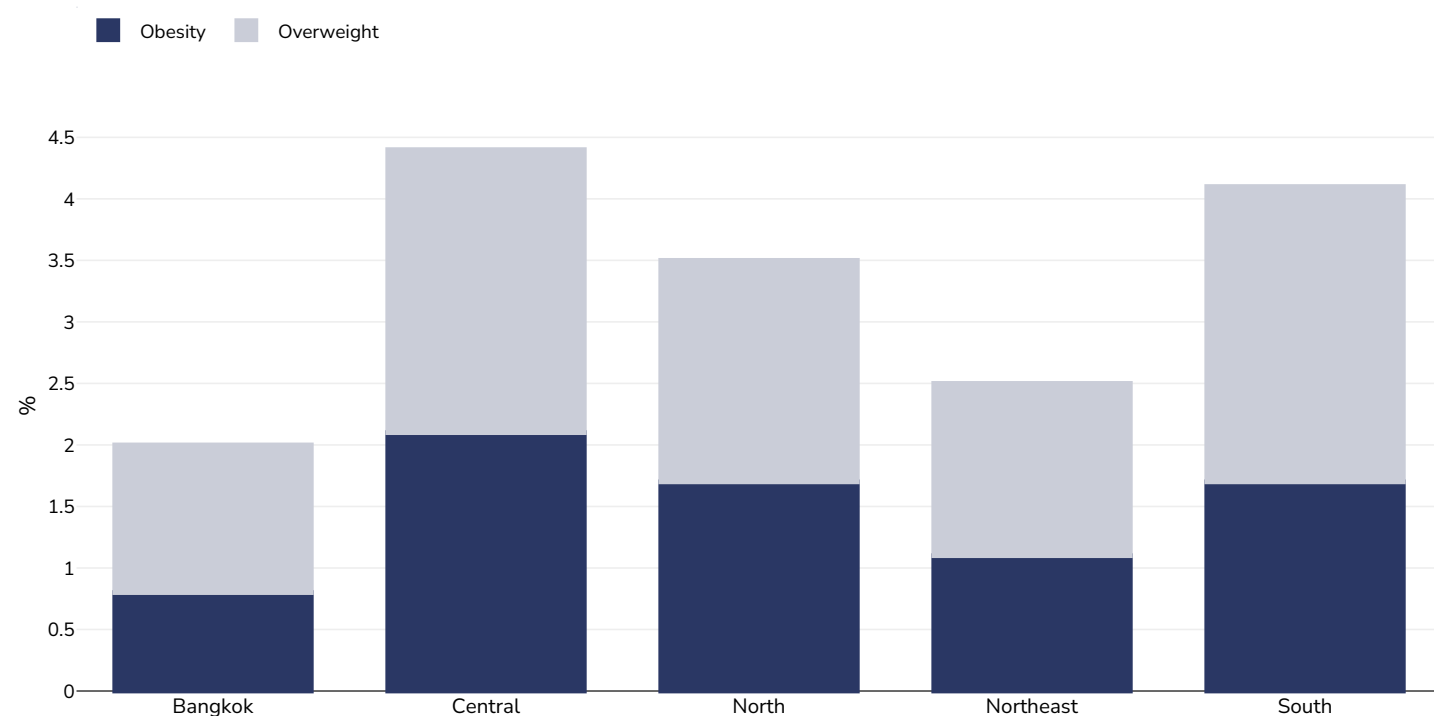
Survey type:	Measured
Age:	20+
Sample size:	19,181
Area covered:	National
References:	Wichai Aekplakorn, Rungkarn Inthawong, Pattapong Kessomboon, et al., "Prevalence and Trends of Obesity and Association with Socioeconomic Status in Thai Adults: National Health Examination Surveys, 1991–2009," <i>Journal of Obesity</i> , vol. 2014, Article ID 410259, 8 pages, 2014. doi:10.1155/2014/410259
Notes:	In this graph, overweight refers to BMI 25–<30, and obesity as BMI ≥30 kg/m <sup>2</sup> <i>Unless otherwise noted, overweight refers to a BMI between 25kg and 29.9kg/m<sup>2</sup>, obesity refers to a BMI greater than 30kg/m<sup>2</sup>.</i>

## Women, 2009



Survey type:	Measured
Age:	20+
Sample size:	19,181
Area covered:	National
References:	Wichai Aekplakorn, Rungkarn Inthawong, Pattapong Kessomboon, et al., <i>Prevalence and Trends of Obesity and Association with Socioeconomic Status in Thai Adults: National Health Examination Surveys, 1991–2009</i> , <i>Journal of Obesity</i> , vol. 2014, Article ID 410259, 8 pages, 2014. doi:10.1155/2014/410259
Notes:	In this graph, overweight refers to BMI 25–<30, and obesity as BMI ≥30 kg/m <sup>2</sup> <i>Unless otherwise noted, overweight refers to a BMI between 25kg and 29.9kg/m<sup>2</sup>, obesity refers to a BMI greater than 30kg/m<sup>2</sup>.</i>

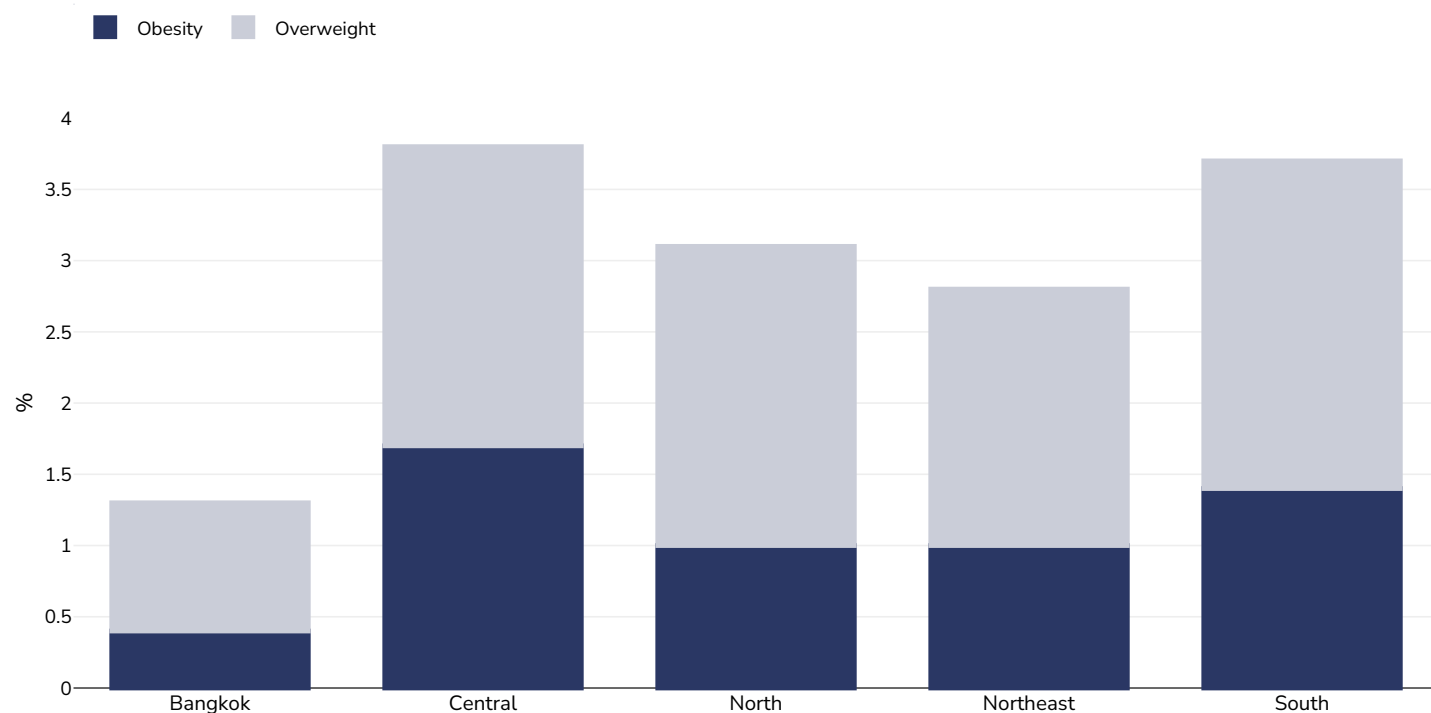
## Boys, 2003-2005



Survey type:	Measured
Age:	3-18
Sample size:	9287
Area covered:	National
References:	Jitnarin N, Kosulwat V, Rojroongwasinkul N et al. Prevalence of overweight and obesity in Thai population: Results of the National Thai Food Consumption Survey. 2011;16:e242-e249
Cutoffs:	IOTF

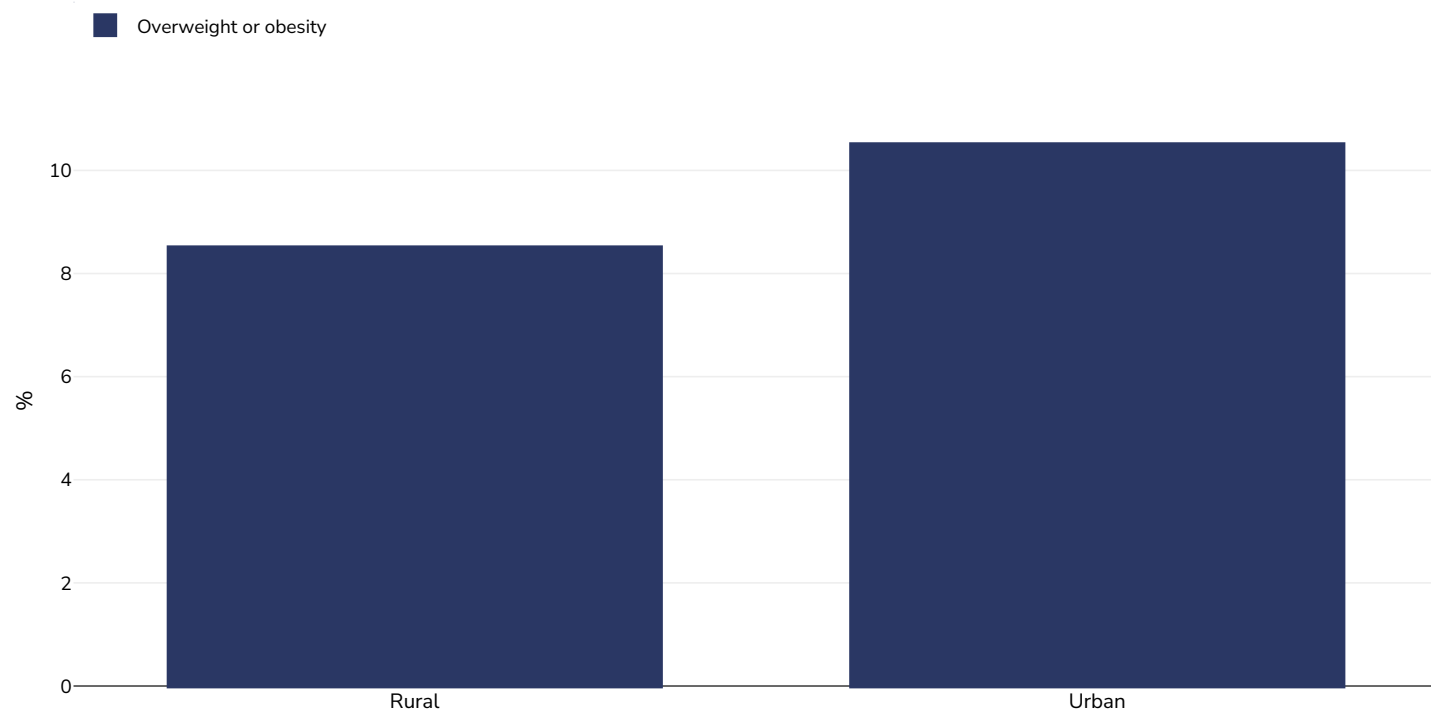


## Girls, 2003-2005



Survey type:	Measured
Age:	3-18
Sample size:	9287
Area covered:	National
References:	Jitnarin N, Kosulwat V, Rojroongwasinkul N et al. Prevalence of overweight and obesity in Thai population: Results of the National Thai Food Consumption Survey. 2011;16:e242-e249
Cutoffs:	IOTF

## Infants, 2019



Sample size: 12138

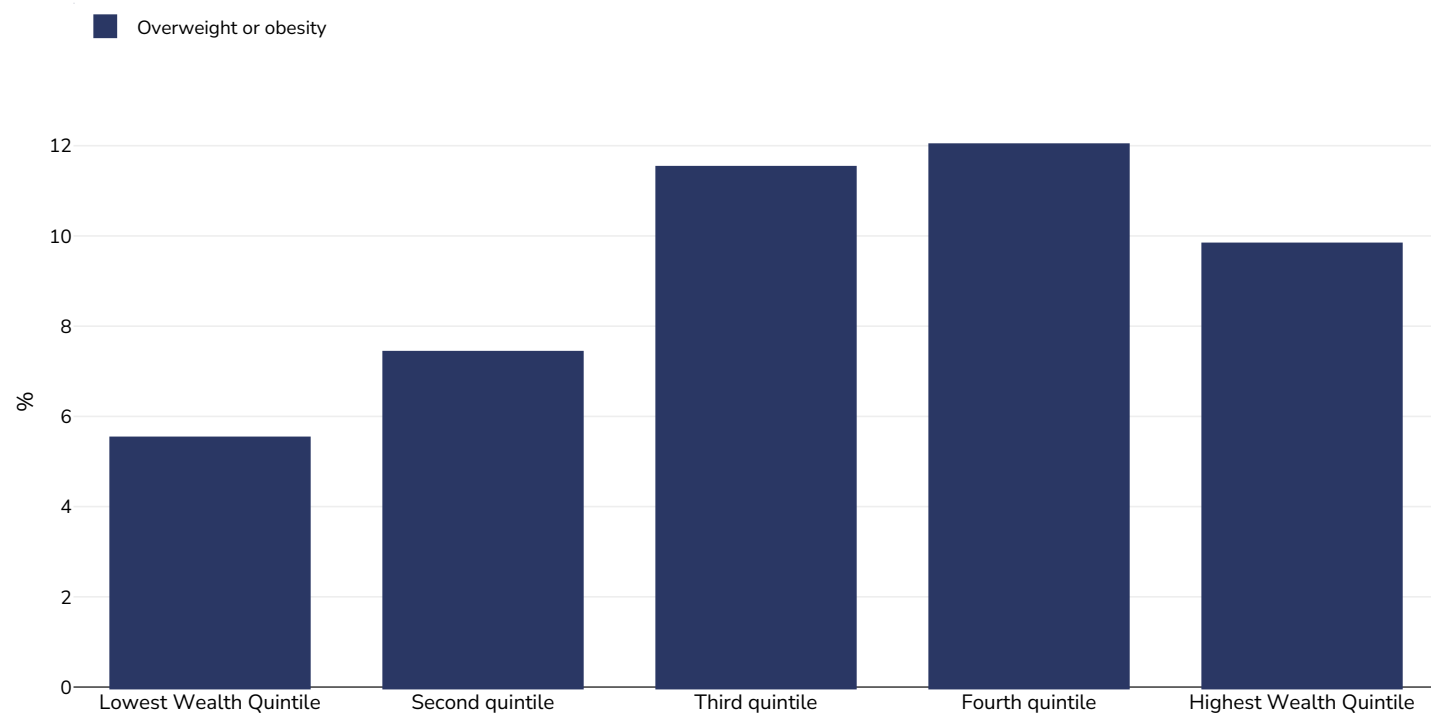
References: MICS: Thailand Multiple Indicator Cluster Survey 2019, Survey Findings Report. Bangkok, Thailand: National Statistical Office of Thailand.

Notes: UNICEF/WHO/World Bank Joint Child Malnutrition Estimates Expanded Database: Overweight (Survey Estimates), May 2023, New York. For more information about the methodology, please consult <https://data.unicef.org/resources/jme-2023-country-consultations/> Percentage of children under 5 years of age falling above 2 standard deviations (moderate and severe) from the median weight-for-height of the reference population.

Definitions: =>+2SD

## Overweight/obesity by socio-economic group

### Infants, 2019



Sample size: 12138

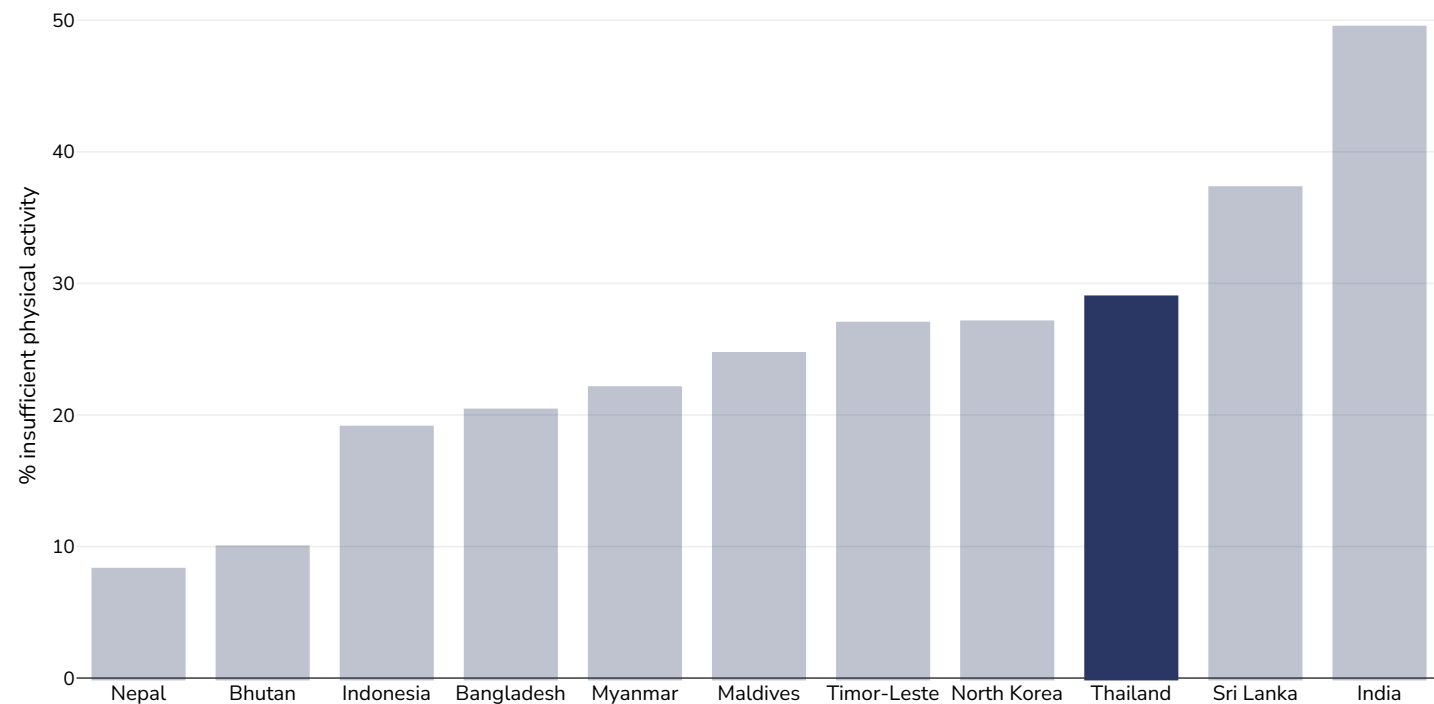
References: MICS: Thailand Multiple Indicator Cluster Survey 2019, Survey Findings Report. Bangkok, Thailand: National Statistical Office of Thailand.

Notes: UNICEF/WHO/World Bank Joint Child Malnutrition Estimates Expanded Database: Overweight (Survey Estimates), May 2023, New York. For more information about the methodology, please consult <https://data.unicef.org/resources/jme-2023-country-consultations/> Percentage of children under 5 years of age falling above 2 standard deviations (moderate and severe) from the median weight-for-height of the reference population.

Definitions: =>+2SD

## Insufficient physical activity

Adults, 2022



Survey type: Self-reported

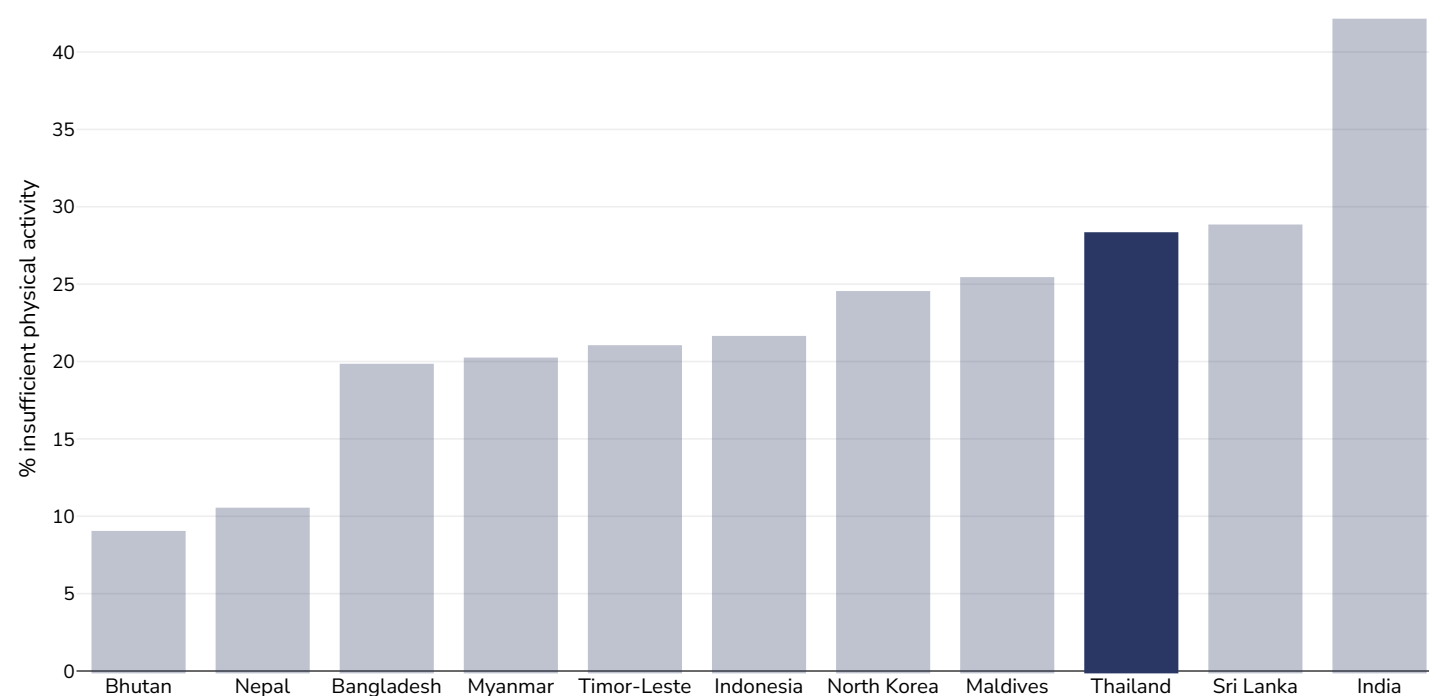
Age: 18+

Area covered: National

References: WHO (2024). Prevalence of insufficient physical activity among adults aged 18-years age-standardized estimate in 2022. Available at [https://www.who.int/data/gho/data/indicators/indicator-details/GHO/prevalence-of-insufficient-physical-activity-among-adults-aged-18-years-\(age-standardized-estimate\)-\(-\)](https://www.who.int/data/gho/data/indicators/indicator-details/GHO/prevalence-of-insufficient-physical-activity-among-adults-aged-18-years-(age-standardized-estimate)-(-))

Definitions: Percent of population attaining less than 150 minutes of moderate-intensity physical activity per week, or less than 75 minutes of vigorous-intensity physical activity per week, or equivalent.

## Men, 2022



Survey type: Self-reported

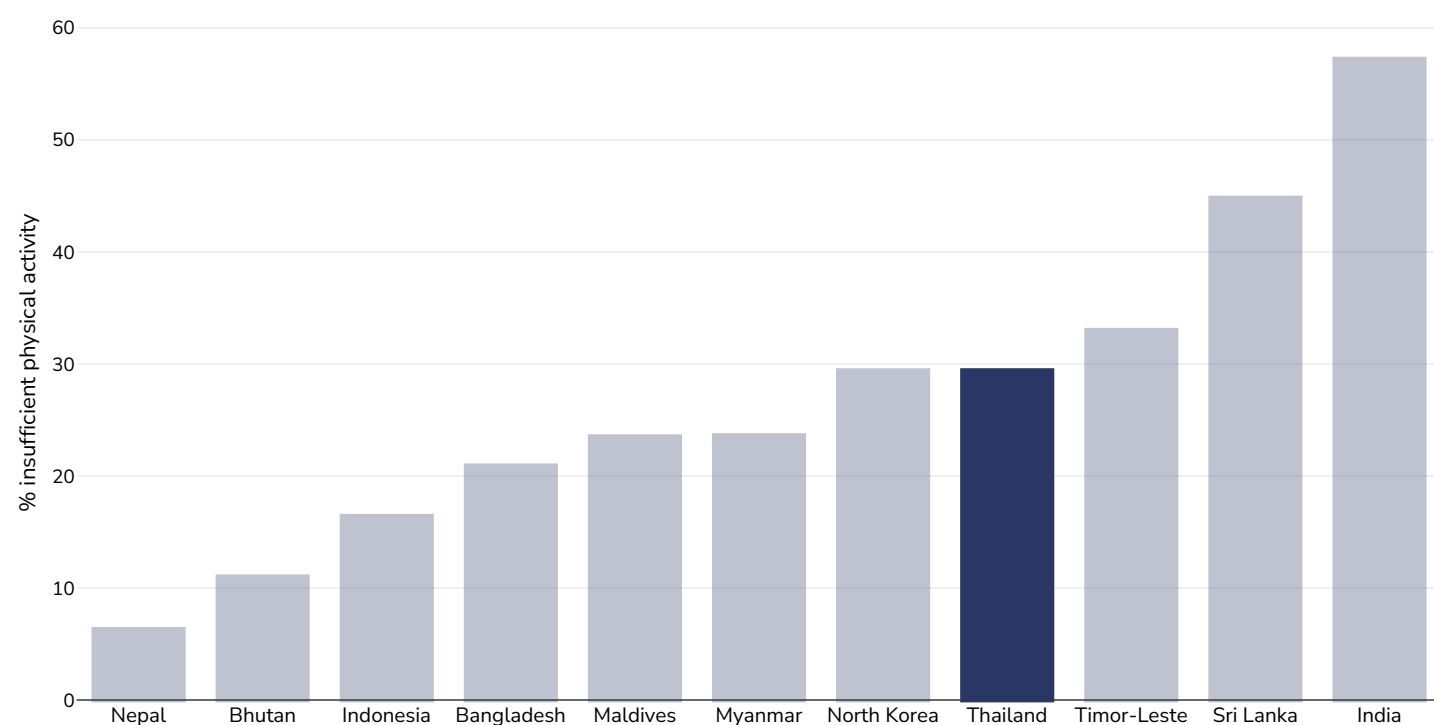
Age: 18+

Area covered: National

References: WHO (2024). Prevalence of insufficient physical activity among adults aged 18-years age-standardized estimate in 2022. Available at [https://www.who.int/data/gho/data/indicators/indicator-details/GHO/prevalence-of-insufficient-physical-activity-among-adults-aged-18-years-\(age-standardized-estimate\)-\(-\)](https://www.who.int/data/gho/data/indicators/indicator-details/GHO/prevalence-of-insufficient-physical-activity-among-adults-aged-18-years-(age-standardized-estimate)-(-))

Definitions: Percent of population attaining less than 150 minutes of moderate-intensity physical activity per week, or less than 75 minutes of vigorous-intensity physical activity per week, or equivalent.

## Women, 2022



Survey type: Self-reported

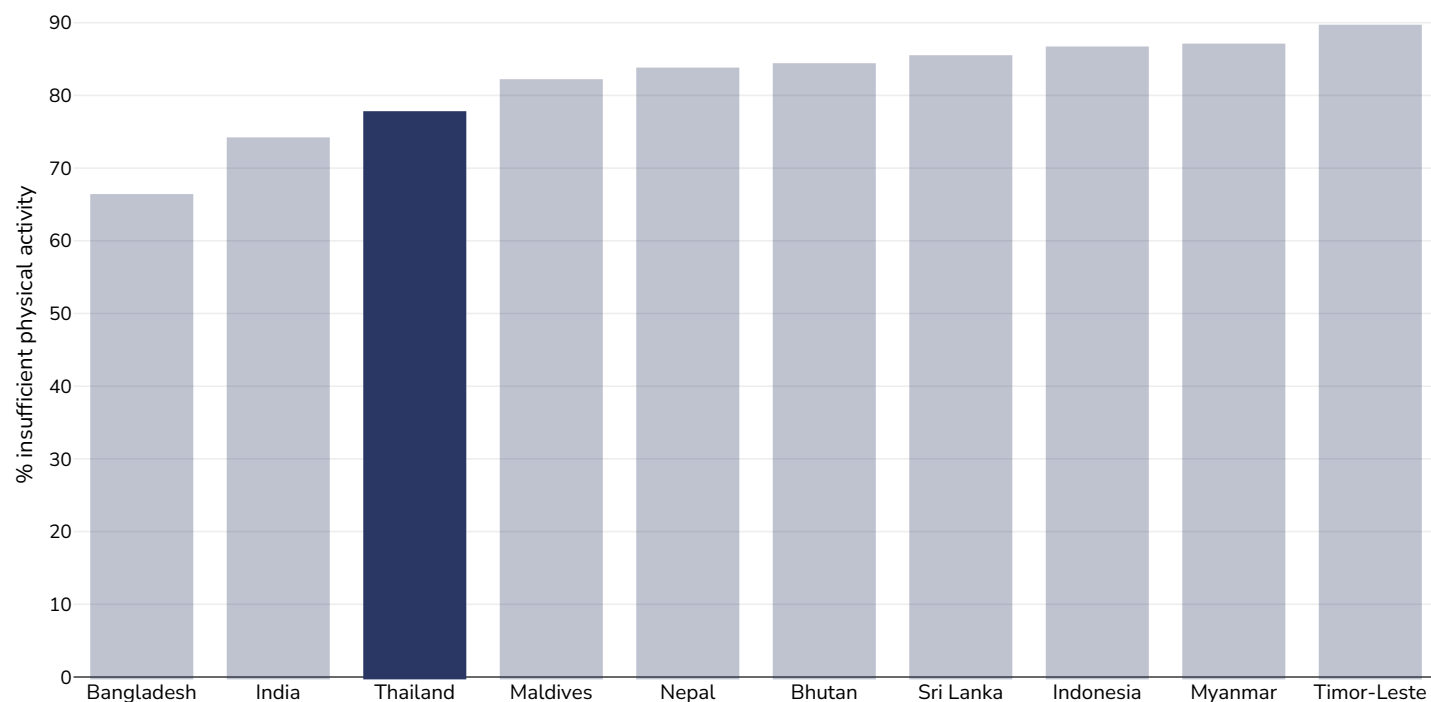
Age: 18+

Area covered: National

References: WHO (2024). Prevalence of insufficient physical activity among adults aged 18-years age-standardized estimate in 2022. Available at [https://www.who.int/data/gho/data/indicators/indicator-details/GHO/prevalence-of-insufficient-physical-activity-among-adults-aged-18-years-\(age-standardized-estimate\)-\(-\)](https://www.who.int/data/gho/data/indicators/indicator-details/GHO/prevalence-of-insufficient-physical-activity-among-adults-aged-18-years-(age-standardized-estimate)-(-))

Definitions: Percent of population attaining less than 150 minutes of moderate-intensity physical activity per week, or less than 75 minutes of vigorous-intensity physical activity per week, or equivalent.

## Children, 2016



Survey  
type:

Self-reported

Age:

11-17

References:

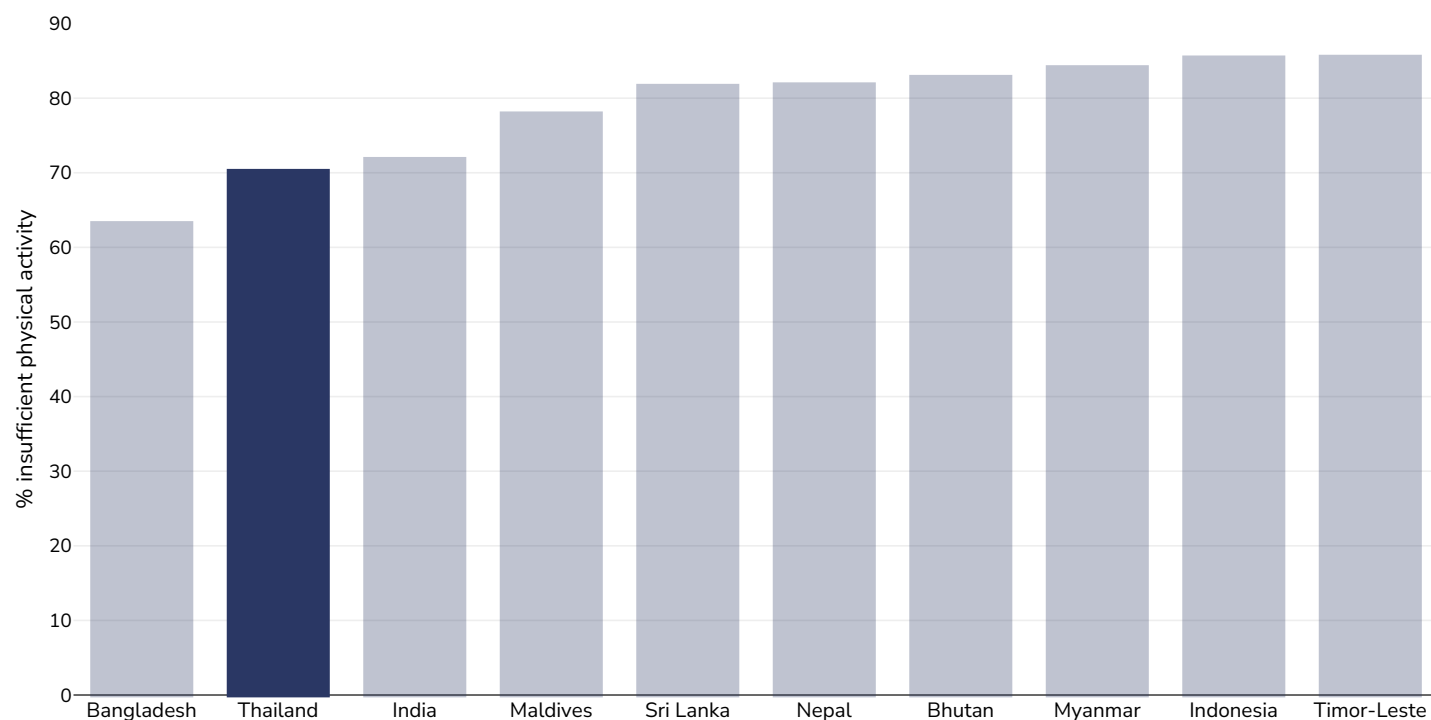
Global Health Observatory data repository, World Health Organisation,  
<https://apps.who.int/gho/data/node.main.A893ADO?lang=en> (last accessed 16.03.21)

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)

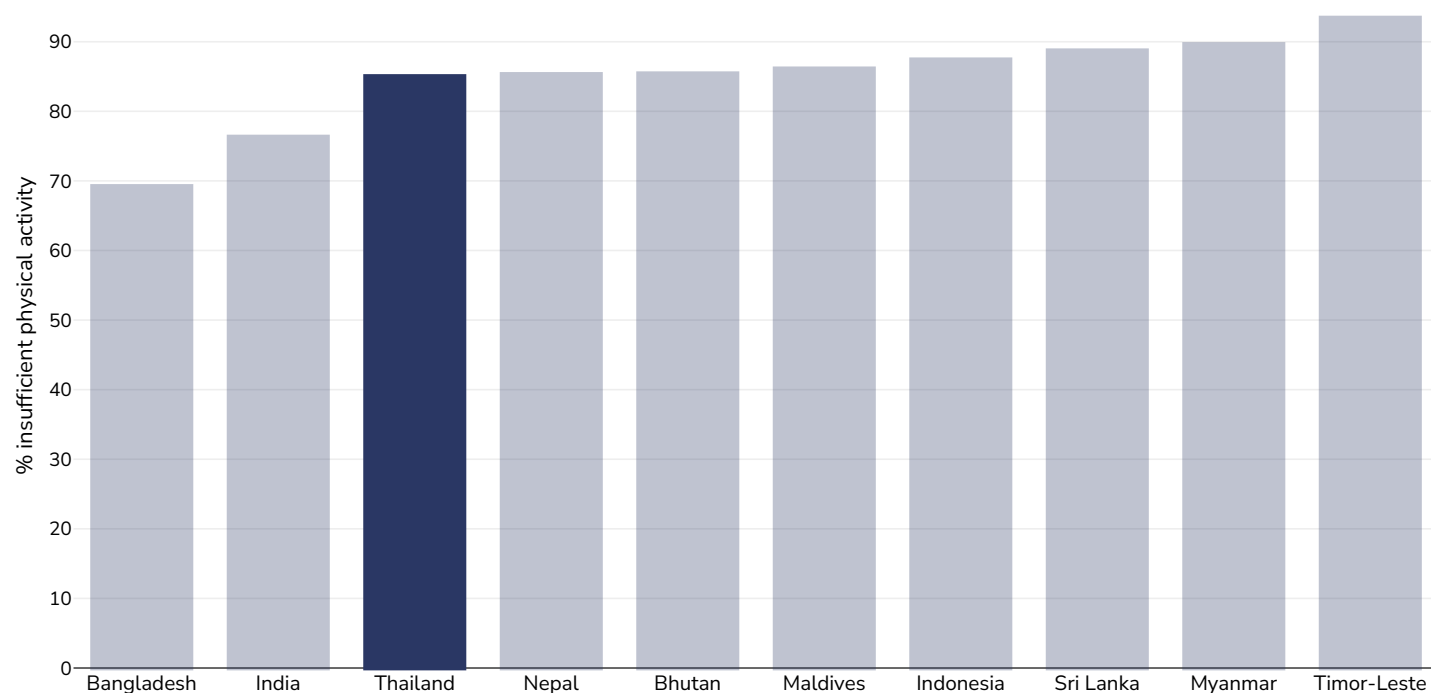
Notes: % of school going adolescents not meeting WHO recommendations on Physical Activity for Health, i.e. doing less than 60 minutes of moderate- to vigorous-intensity physical activity daily.

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)

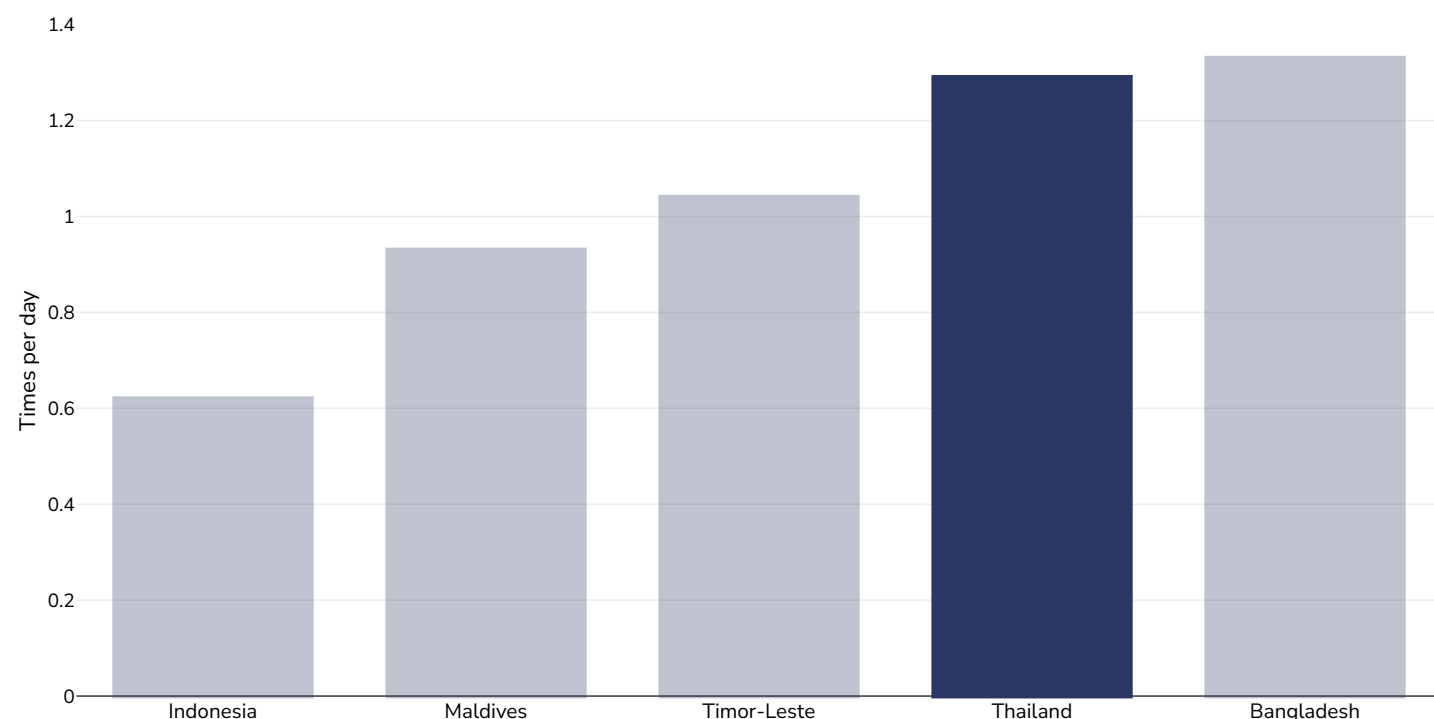
Notes: % of school going adolescents not meeting WHO recommendations on Physical Activity for Health, i.e. doing less than 60 minutes of moderate- to vigorous-intensity physical activity daily.

Definitions:

% Adolescents insufficiently active (age standardised estimate)

## Average daily frequency of carbonated soft drink consumption

### Children, 2014-2015



Survey  
type:

Measured

Age:

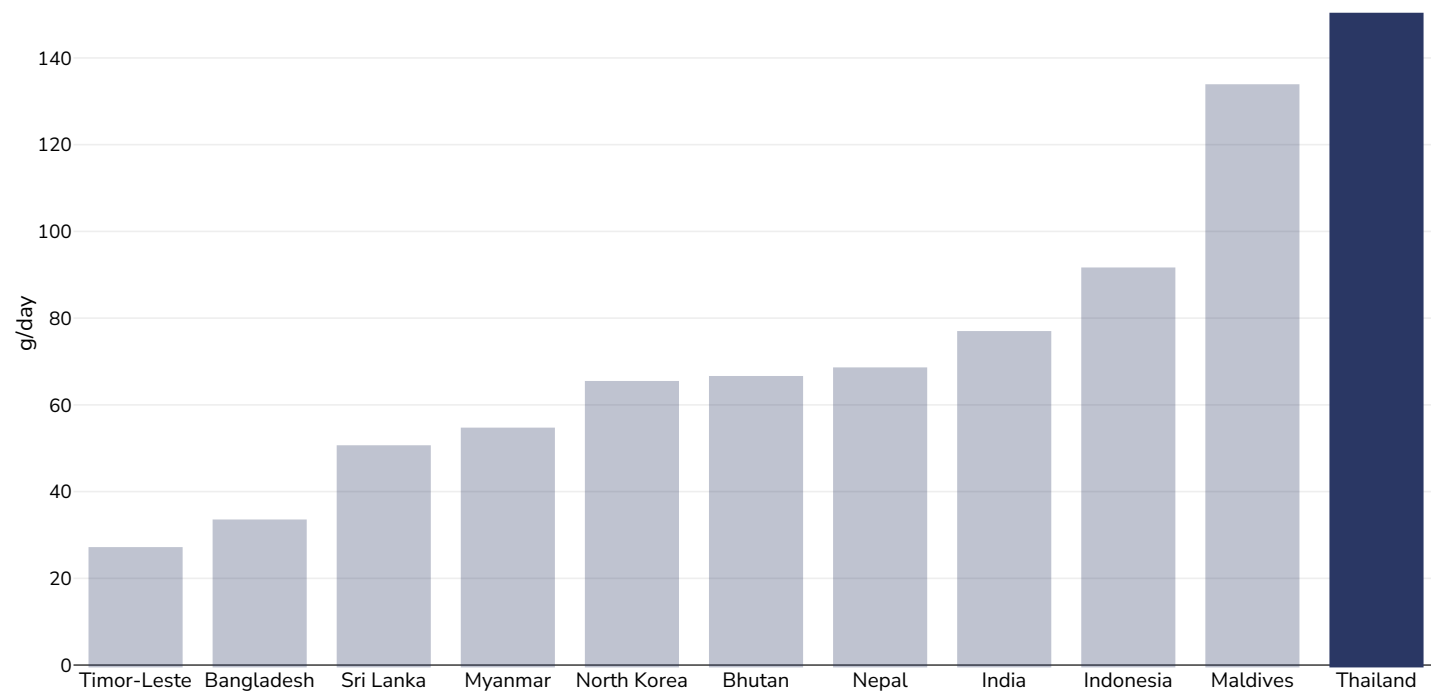
12-17

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>

## Estimated per capita fruit intake

Adults, 2017



Survey type:

Measured

Age:

25+

References:

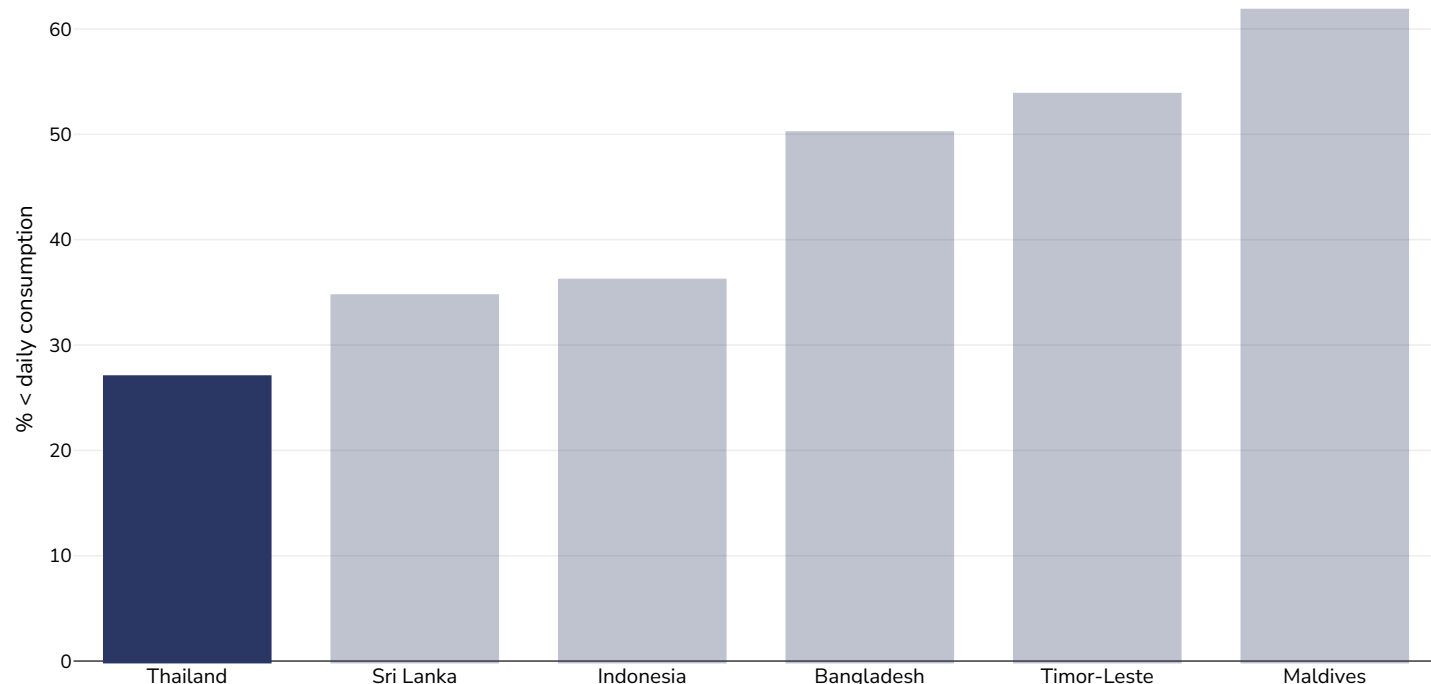
Global Burden of Disease, the Institute for Health Metrics and Evaluation <http://ghdx.healthdata.org/>

Definitions:

Estimated per-capita fruit intake (g/day)

## Prevalence of less than daily fruit consumption

Children, 2008-2015



Survey type: Measured

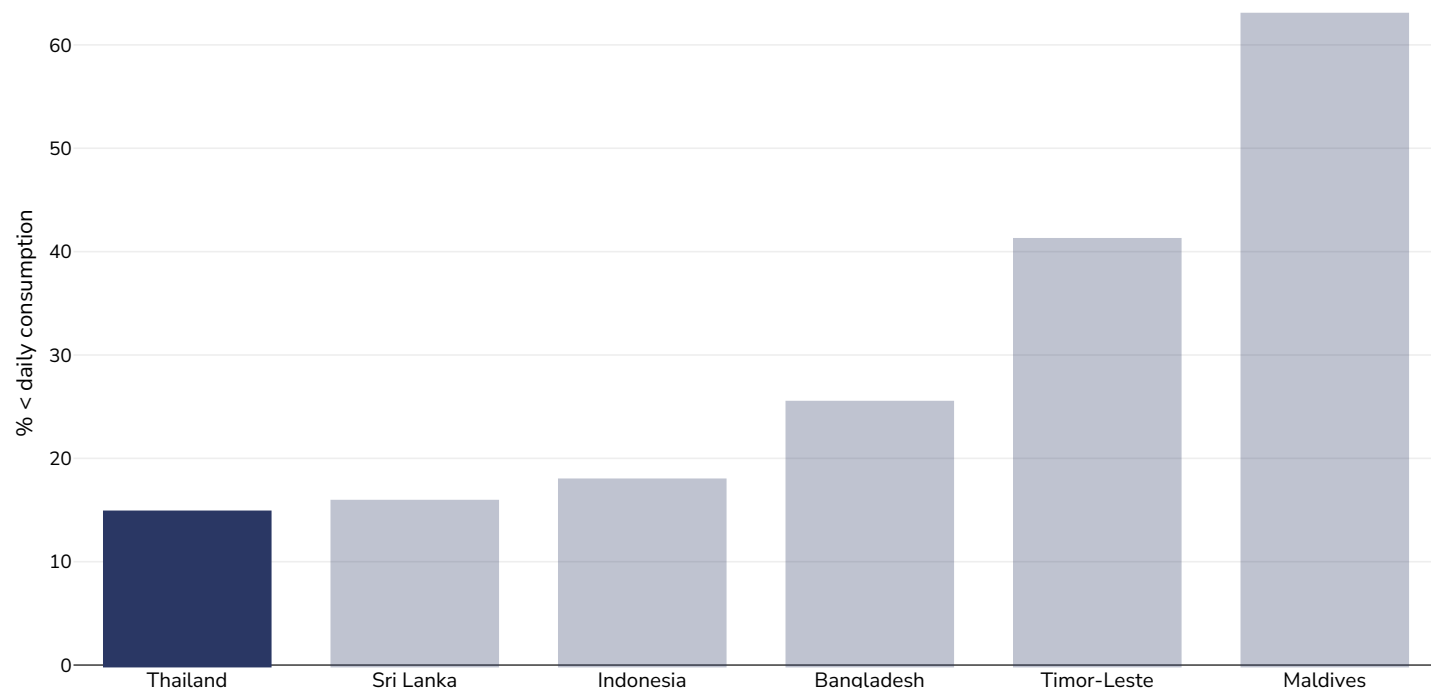
Age: 12-17

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

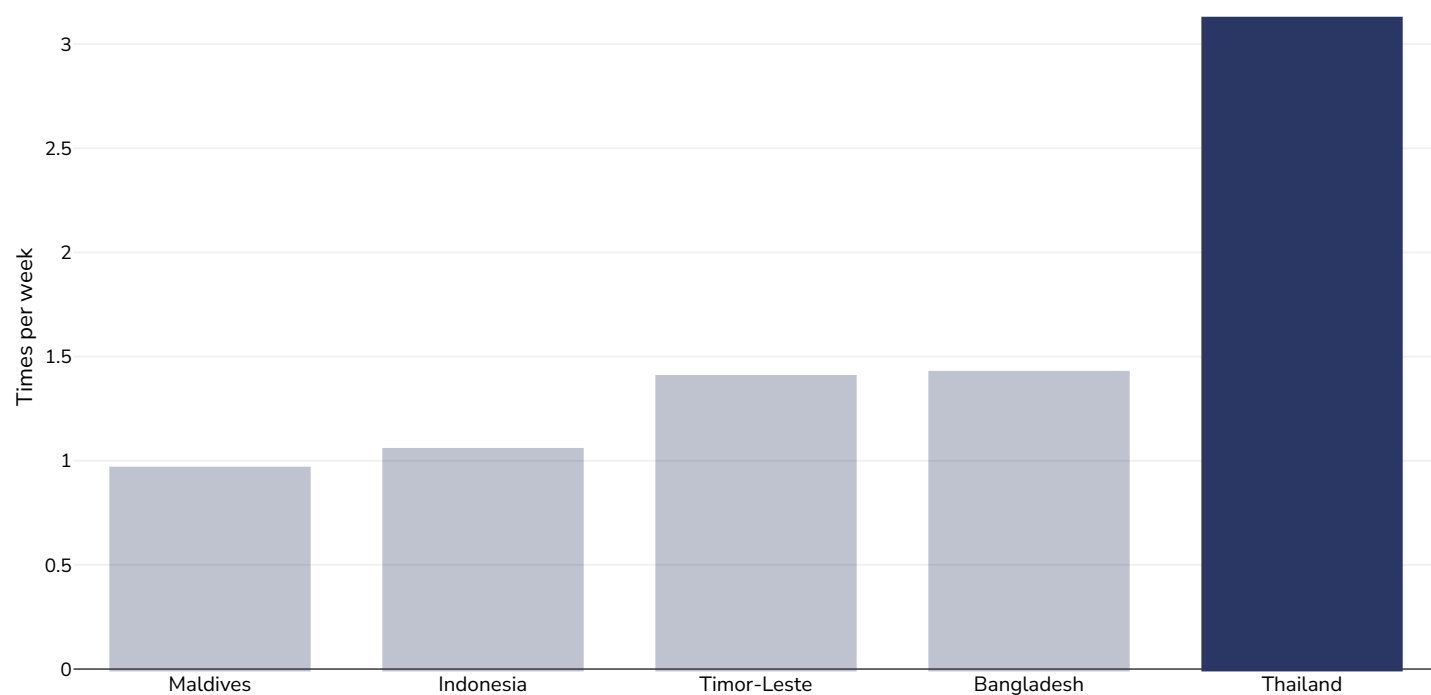
Age: 12-17

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

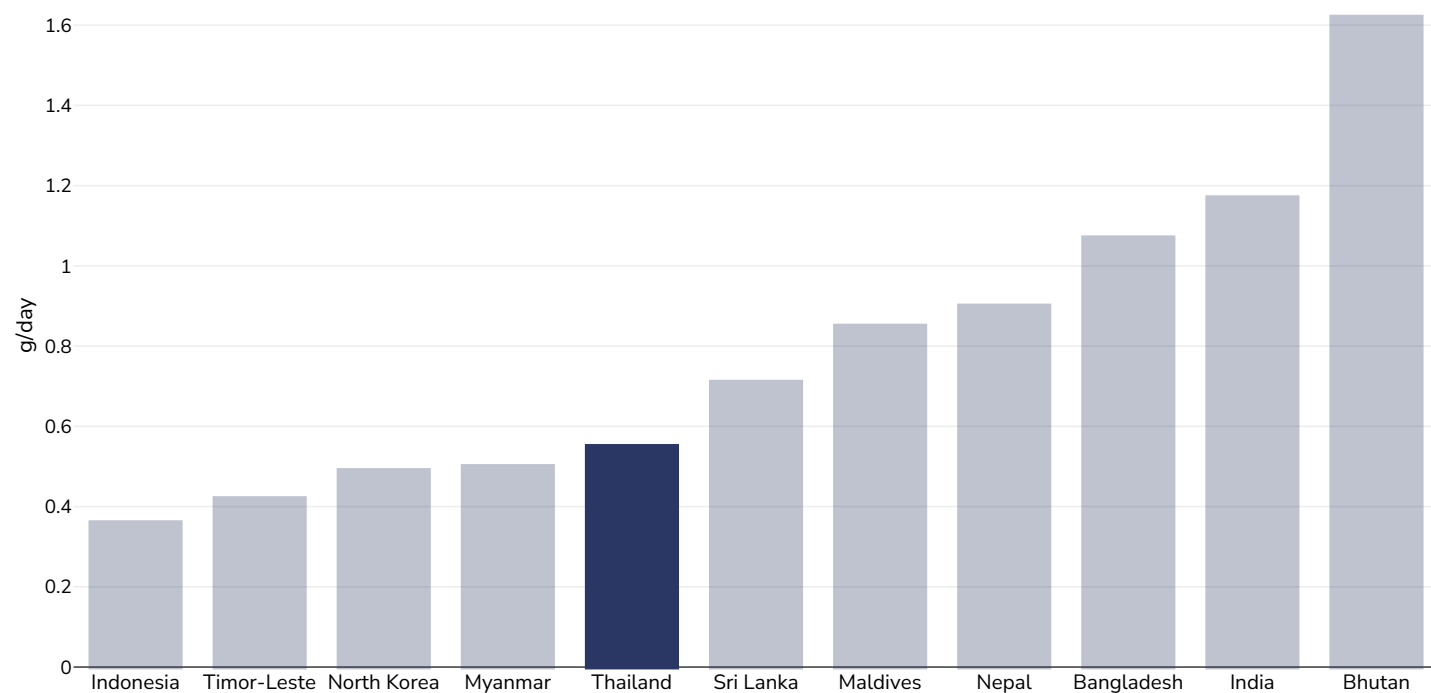


Age: 12-17

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

## Estimated per-capita processed meat intake

Adults, 2017



Survey type:

Measured

Age:

25+

References:

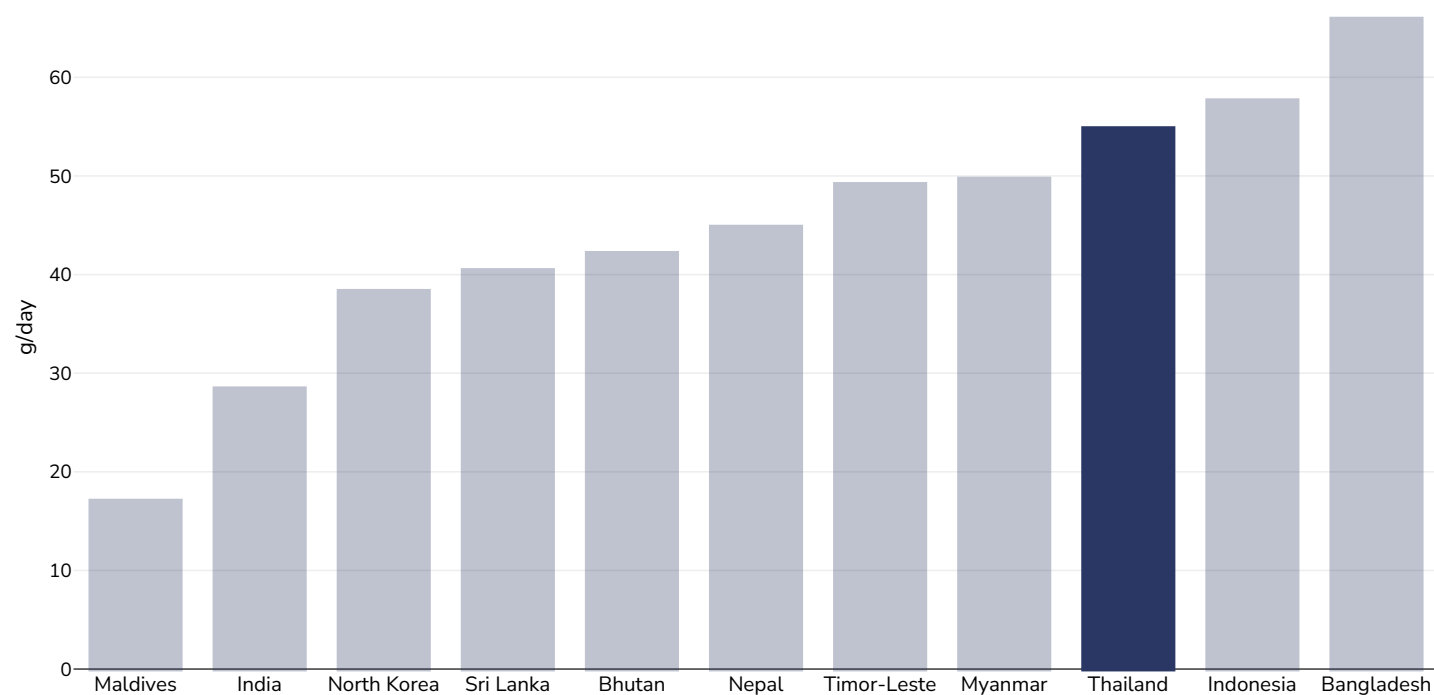
Global Burden of Disease, the Institute for Health Metrics and Evaluation <http://ghdx.healthdata.org/>

Definitions:

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

## Estimated per capita whole grains intake

Adults, 2017



Survey type:

Measured

Age:

25+

References:

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

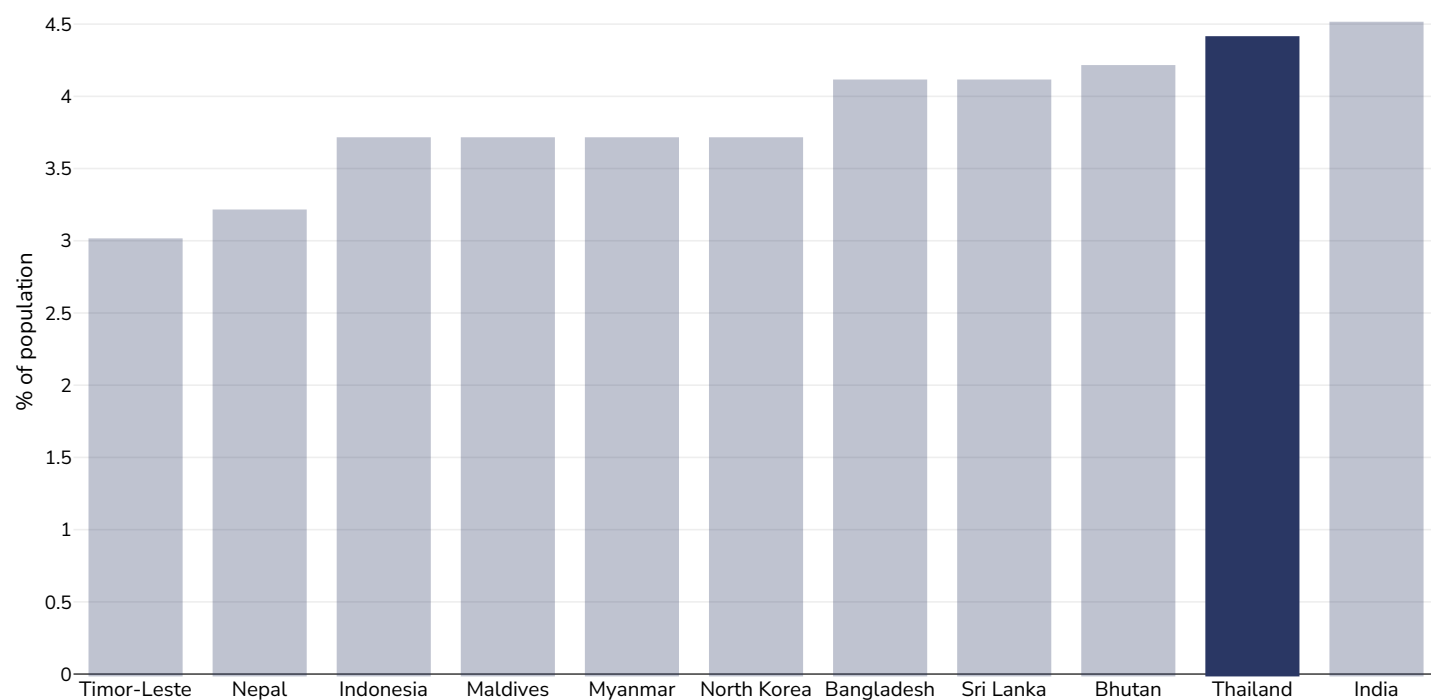
Definitions:

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



## Mental health - depression disorders

### Adults, 2015

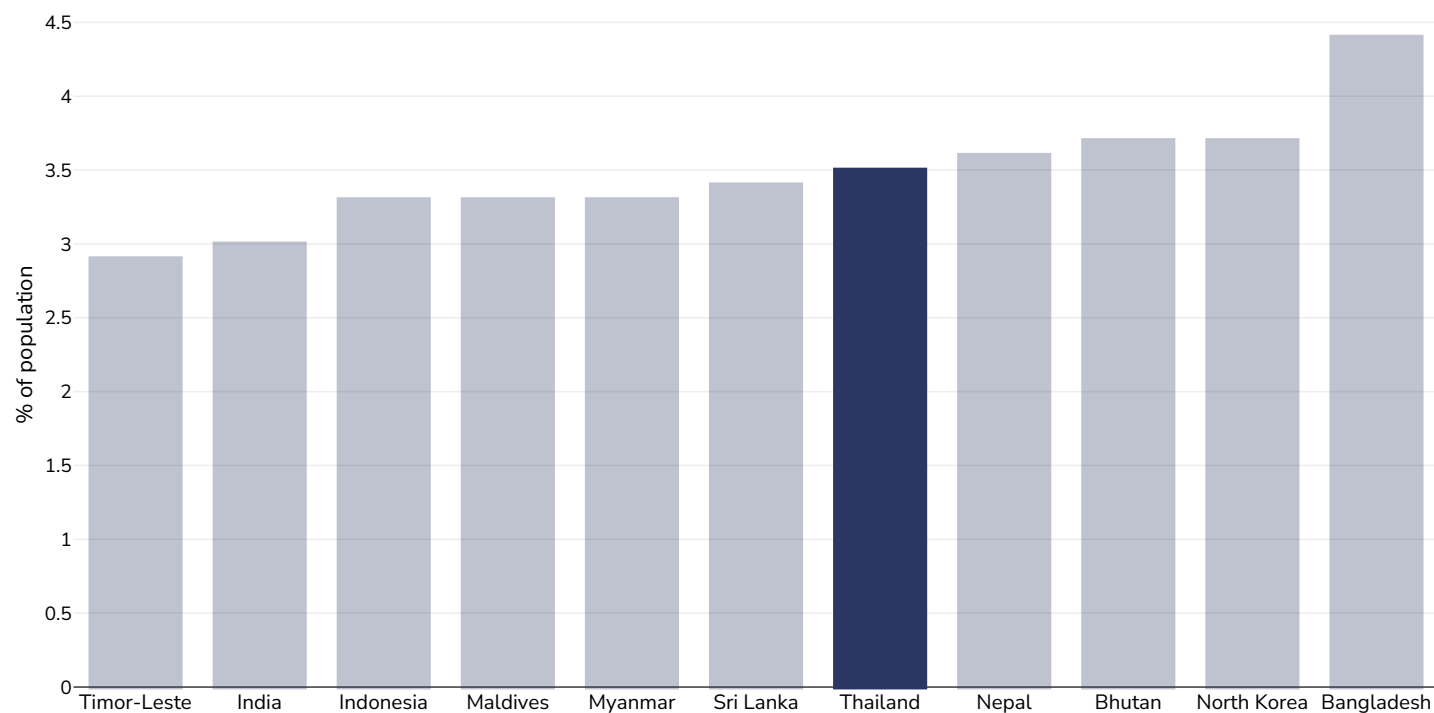


References: Prevalence data from Global Burden of Disease study 2015 (<http://ghdx.healthdata.org>) published in: Depression and Other Common Mental Disorders: Global Health Estimates. Geneva:World Health Organization; 2017. Licence: CC BY-NC-SA 3.0 IGO.

Definitions: % of population with depression disorders

## Mental health - anxiety disorders

### Adults, 2015

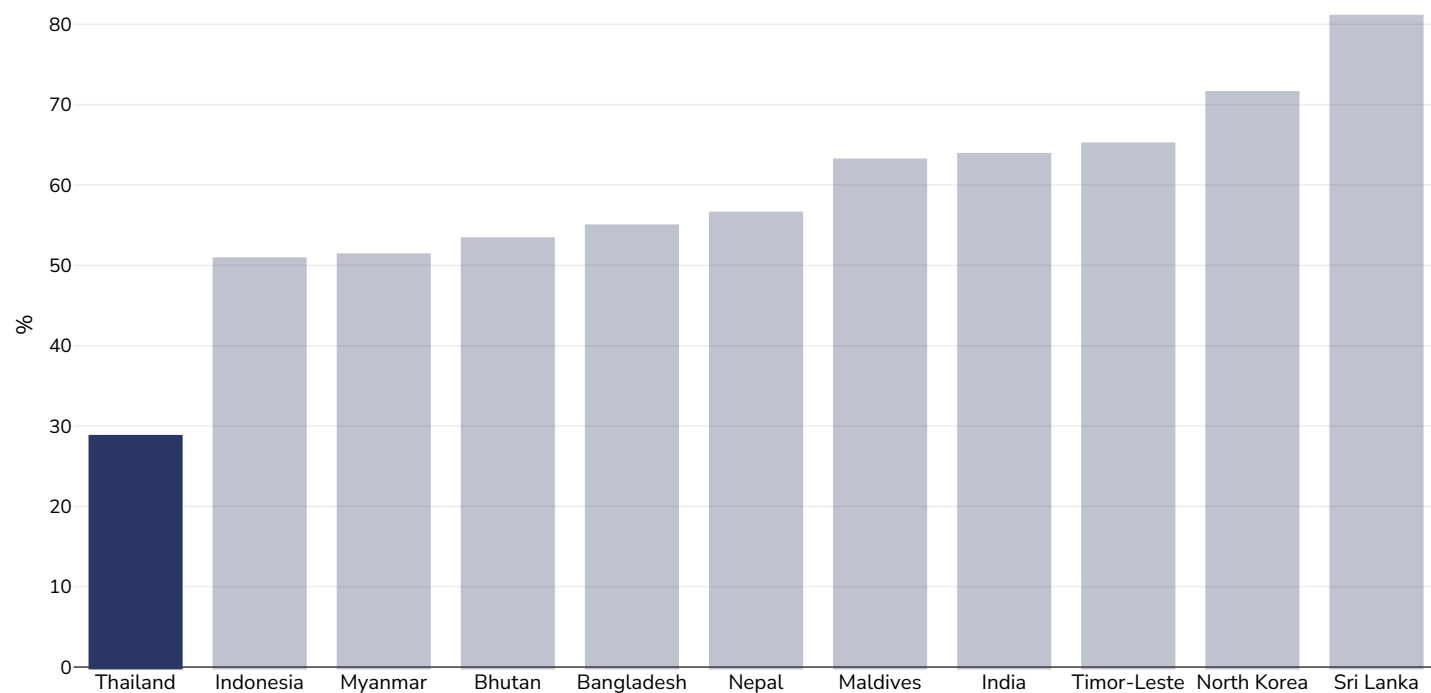


References: Prevalence data from Global Burden of Disease study 2015 (<http://ghdx.healthdata.org>) published in: Depression and Other Common Mental Disorders: Global Health Estimates. Geneva:World Health Organization; 2017. Licence: CC BY-NC-SA 3.0 IGO.

Definitions: % of population with anxiety disorders

## % Infants exclusively breastfed 0-5 months

Infants, 2015-2022



References:

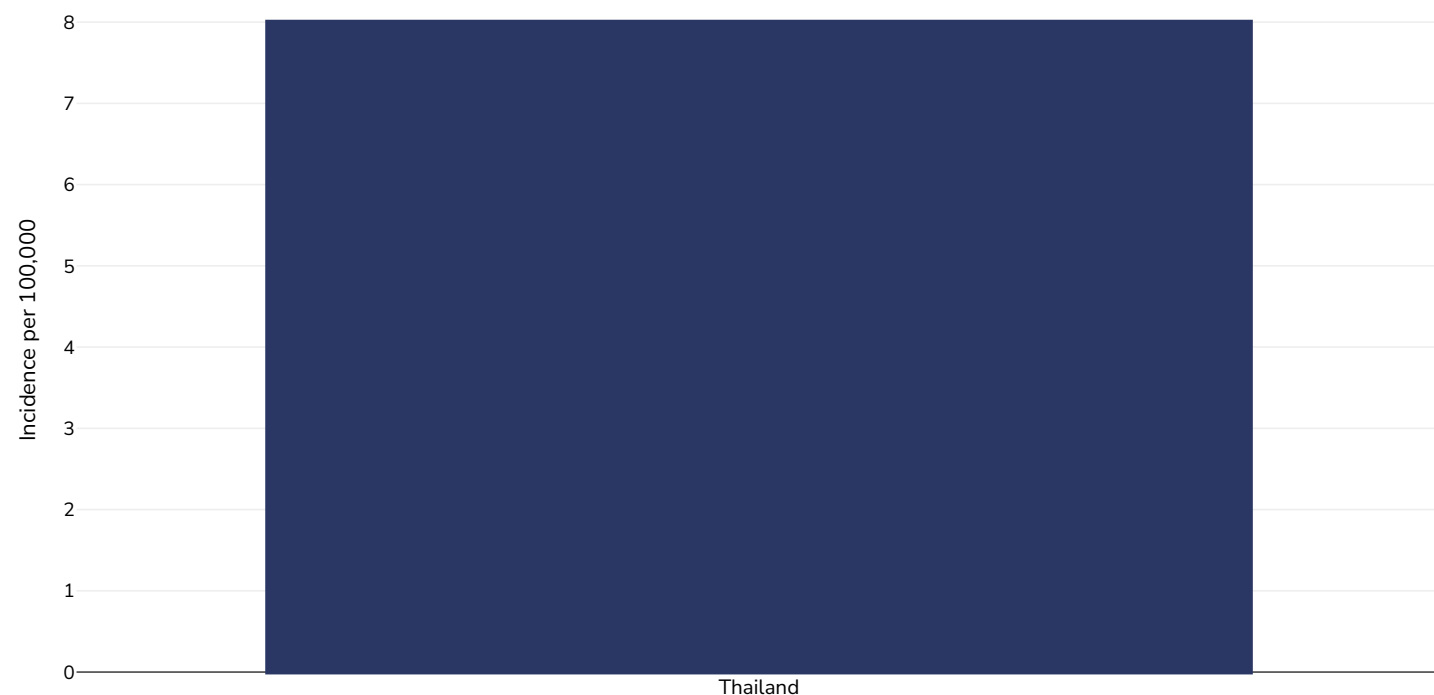
Thailand Multiple Indicator Cluster Survey 2022, Survey Findings Report

Notes:

Full details are available. Original citation United Nations Children's Fund, Division of Data, Analysis, Planning and Monitoring (2023). Global UNICEF Global Databases: Infant and Young Child Feeding: Exclusive breastfeeding, New York, October 2023.

## Oesophageal cancer

Men, 2022



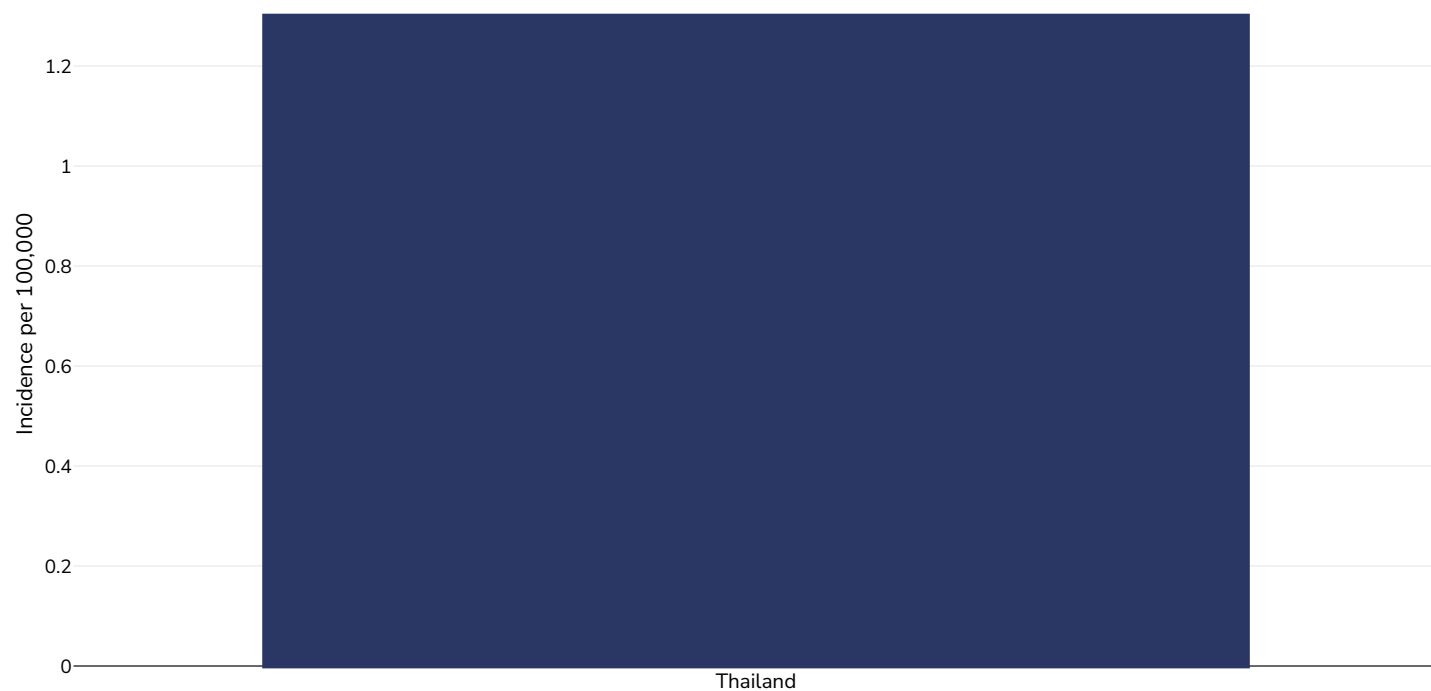
Age: 20+

Area covered: National

References: Ferlay J, Ervik M, Lam F, Laversanne M, Colombet M, Mery L, Piñeros M, Znaor A, Soerjomataram I, Bray F (2024). Global Cancer Observatory: Cancer Today. Lyon, France: International Agency for Research on Cancer. Available from: <https://gco.iarc.who.int/today>, accessed [16.07.24]

Definitions: Incidence per 100,000

## Women, 2022



Age: 20+

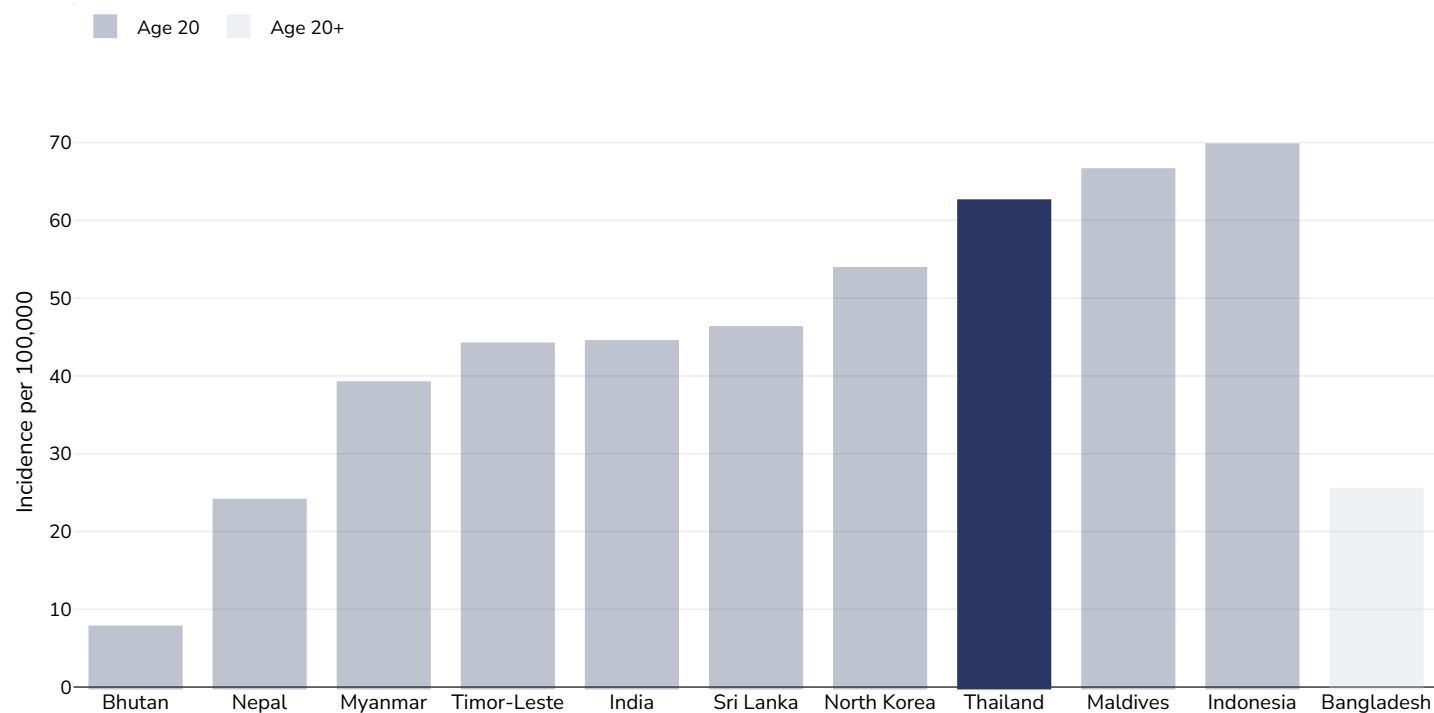
Area covered: National

References: Ferlay J, Ervik M, Lam F, Laversanne M, Colombet M, Mery L, Piñeros M, Znaor A, Soerjomataram I, Bray F (2024). Global Cancer Observatory: Cancer Today. Lyon, France: International Agency for Research on Cancer. Available from: <https://gco.iarc.who.int/today>, accessed [16.07.24]

Definitions: Incidence per 100,000

## Breast cancer

### Women, 2022



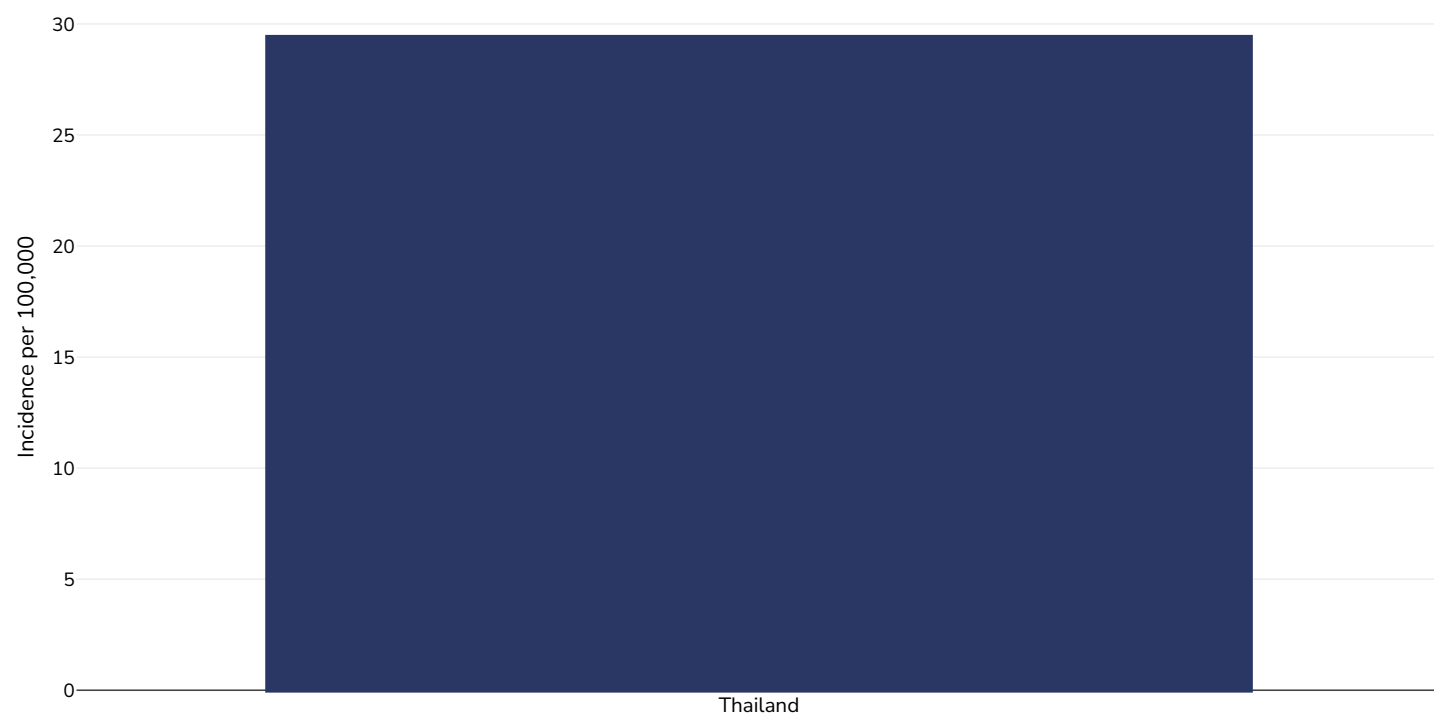
Area covered: National

References: Ferlay J, Ervik M, Lam F, Laversanne M, Colombet M, Mery L, Piñeros M, Znaor A, Soerjomataram I, Bray F (2024). Global Cancer Observatory: Cancer Today. Lyon, France: International Agency for Research on Cancer. Available from: <https://gco.iarc.who.int/today>, accessed [16.07.24]

Definitions: Incidence per 100,000

## Colorectal cancer

### Men, 2022



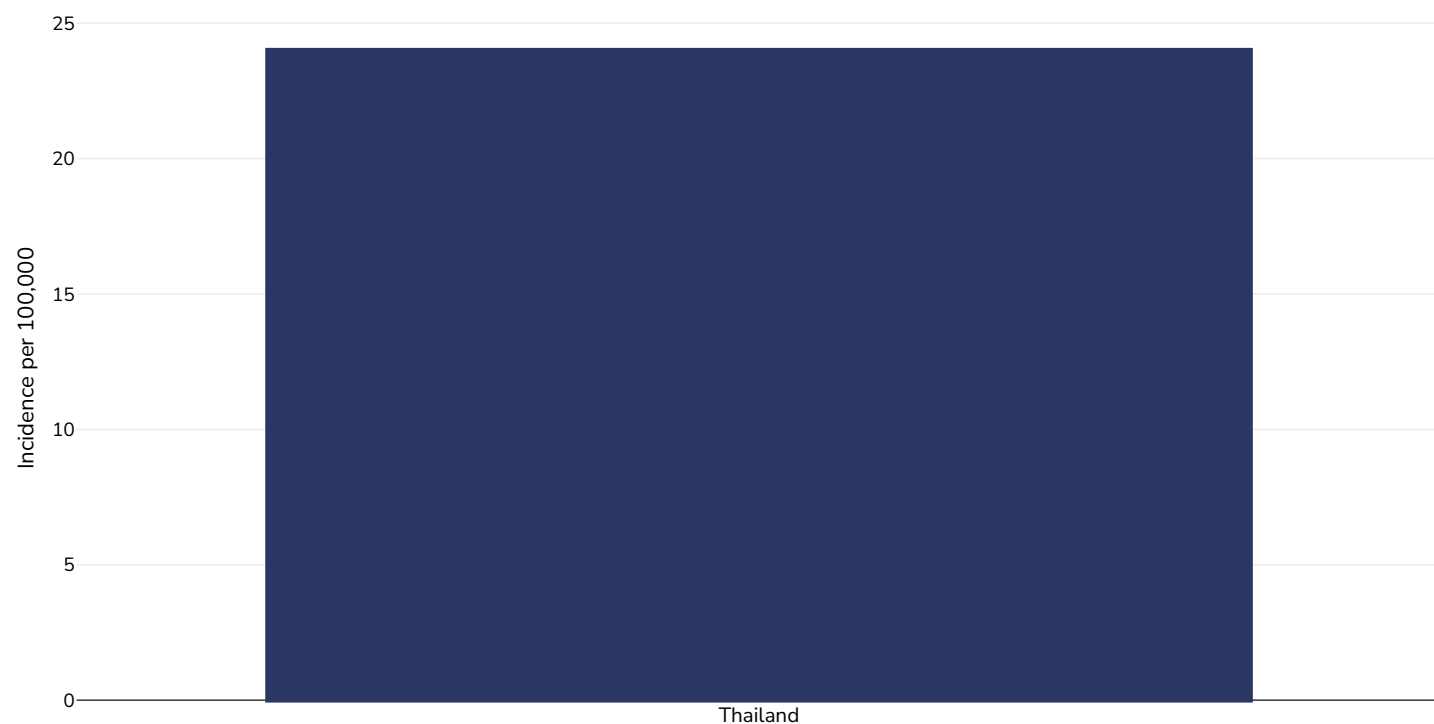
Age: 20+

Area covered: National

References: Ferlay J, Ervik M, Lam F, Laversanne M, Colombet M, Mery L, Piñeros M, Znaor A, Soerjomataram I, Bray F (2024). Global Cancer Observatory: Cancer Today. Lyon, France: International Agency for Research on Cancer. Available from: <https://gco.iarc.who.int/today>, accessed [16.07.24]

Definitions: Incidence per 100,000

## Women, 2022



Age: 20+

Area covered: National

References: Ferlay J, Ervik M, Lam F, Laversanne M, Colombet M, Mery L, Piñeros M, Znaor A, Soerjomataram I, Bray F (2024). Global Cancer Observatory: Cancer Today. Lyon, France: International Agency for Research on Cancer. Available from: <https://gco.iarc.who.int/today>, accessed [16.07.24]

Definitions: Incidence per 100,000



# Pancreatic cancer

Men, 2022



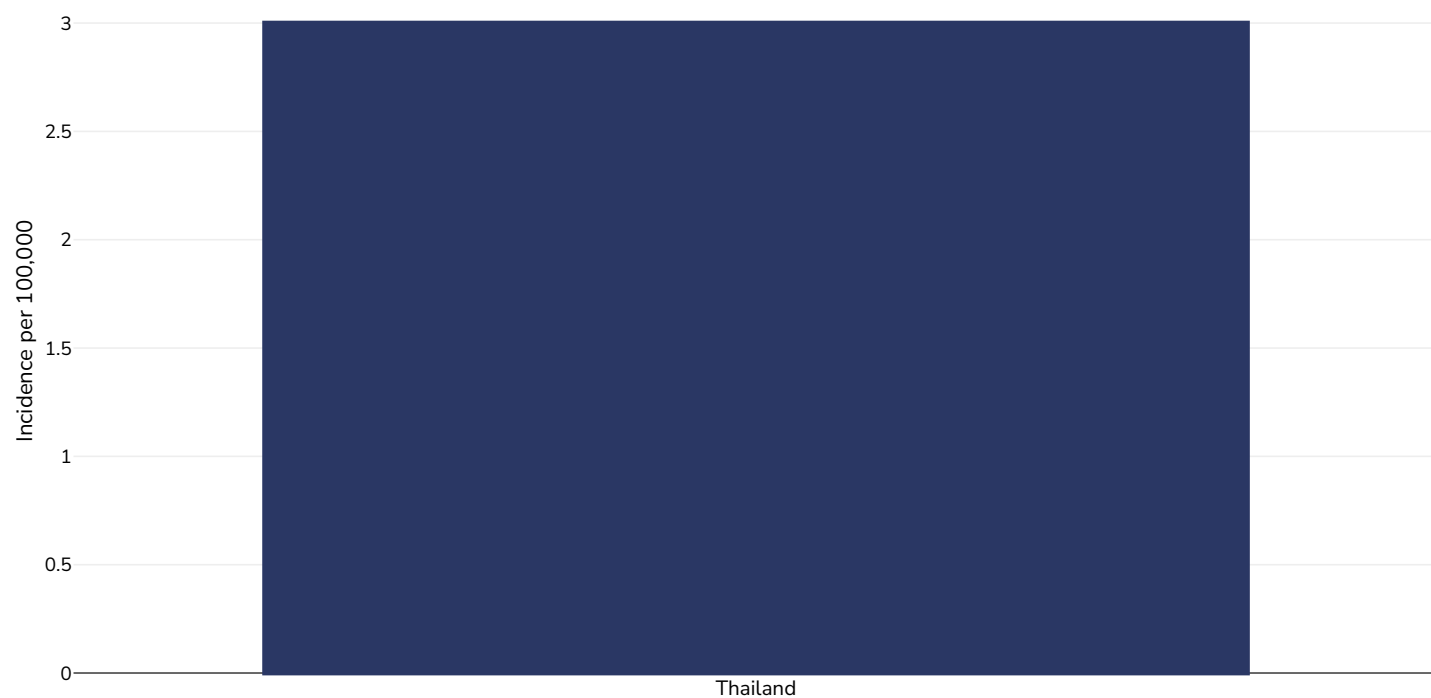
Age: 20+

Area covered: National

References: Ferlay J, Ervik M, Lam F, Laversanne M, Colombet M, Mery L, Piñeros M, Znaor A, Soerjomataram I, Bray F (2024). Global Cancer Observatory: Cancer Today. Lyon, France: International Agency for Research on Cancer. Available from: <https://gco.iarc.who.int/today>, accessed [16.07.24]

Definitions: Incidence per 100,000

## Women, 2022



Age: 20+

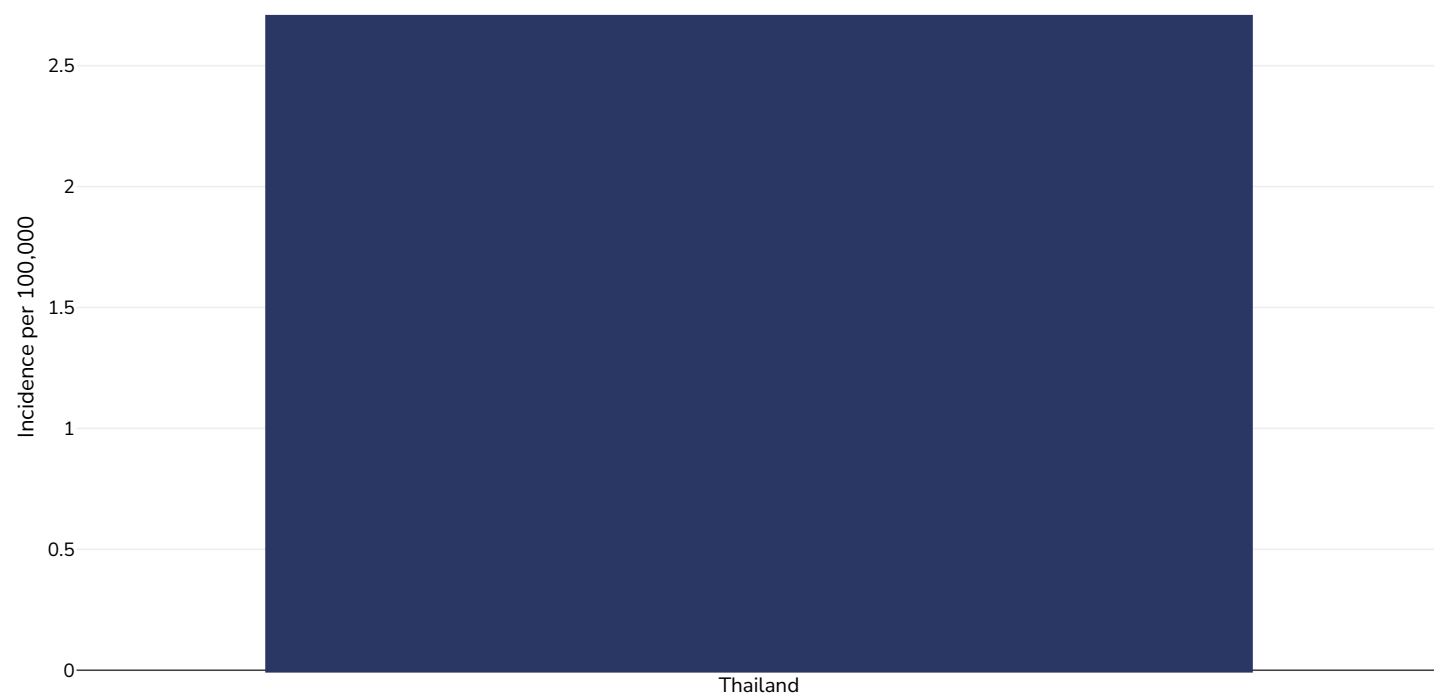
Area covered: National

References: Ferlay J, Ervik M, Lam F, Laversanne M, Colombet M, Mery L, Piñeros M, Znaor A, Soerjomataram I, Bray F (2024). Global Cancer Observatory: Cancer Today. Lyon, France: International Agency for Research on Cancer. Available from: <https://gco.iarc.who.int/today>, accessed [16.07.24]

Definitions: Incidence per 100,000

## Gallbladder cancer

Men, 2022



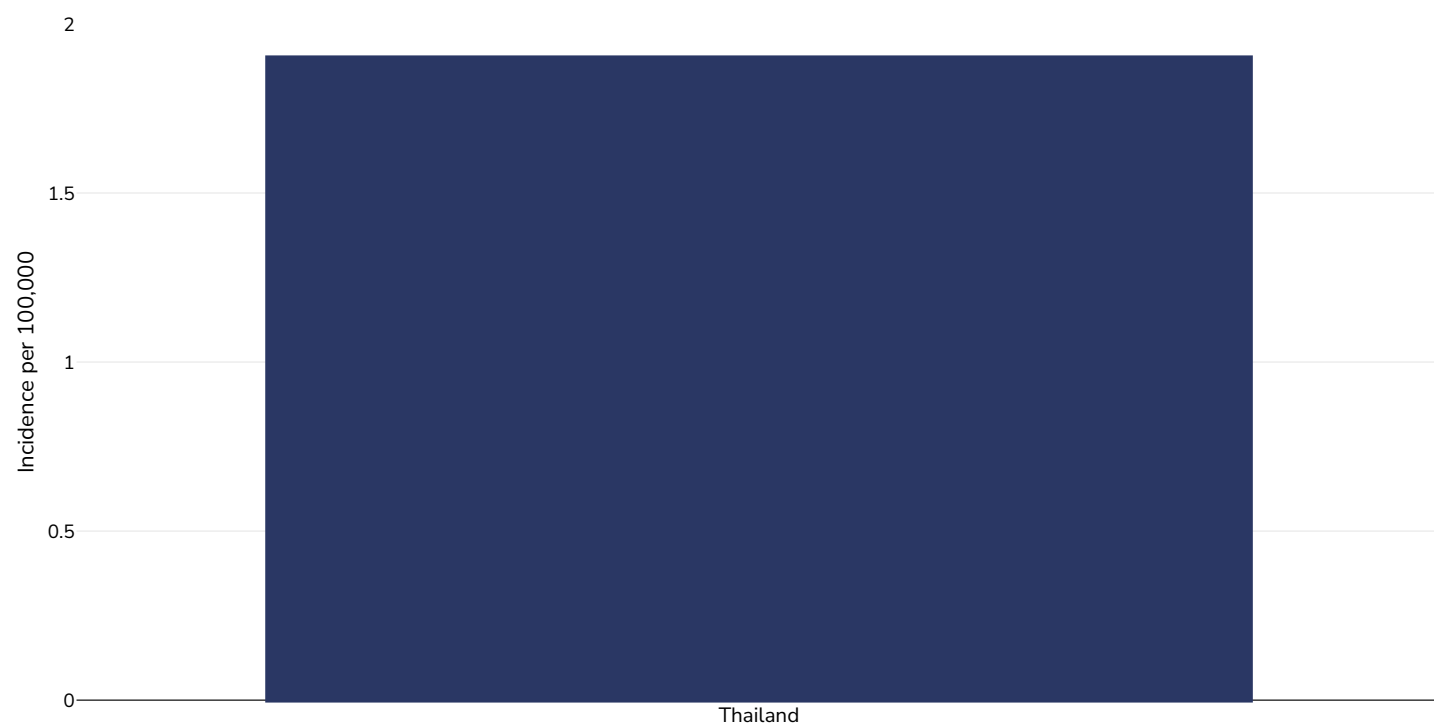
Age: 20+

Area covered: National

References: Ferlay J, Ervik M, Lam F, Laversanne M, Colombet M, Mery L, Piñeros M, Znaor A, Soerjomataram I, Bray F (2024). Global Cancer Observatory: Cancer Today. Lyon, France: International Agency for Research on Cancer. Available from: <https://gco.iarc.who.int/today>, accessed [16.07.24]

Definitions: Incidence per 100,000

## Women, 2022



Age: 20+

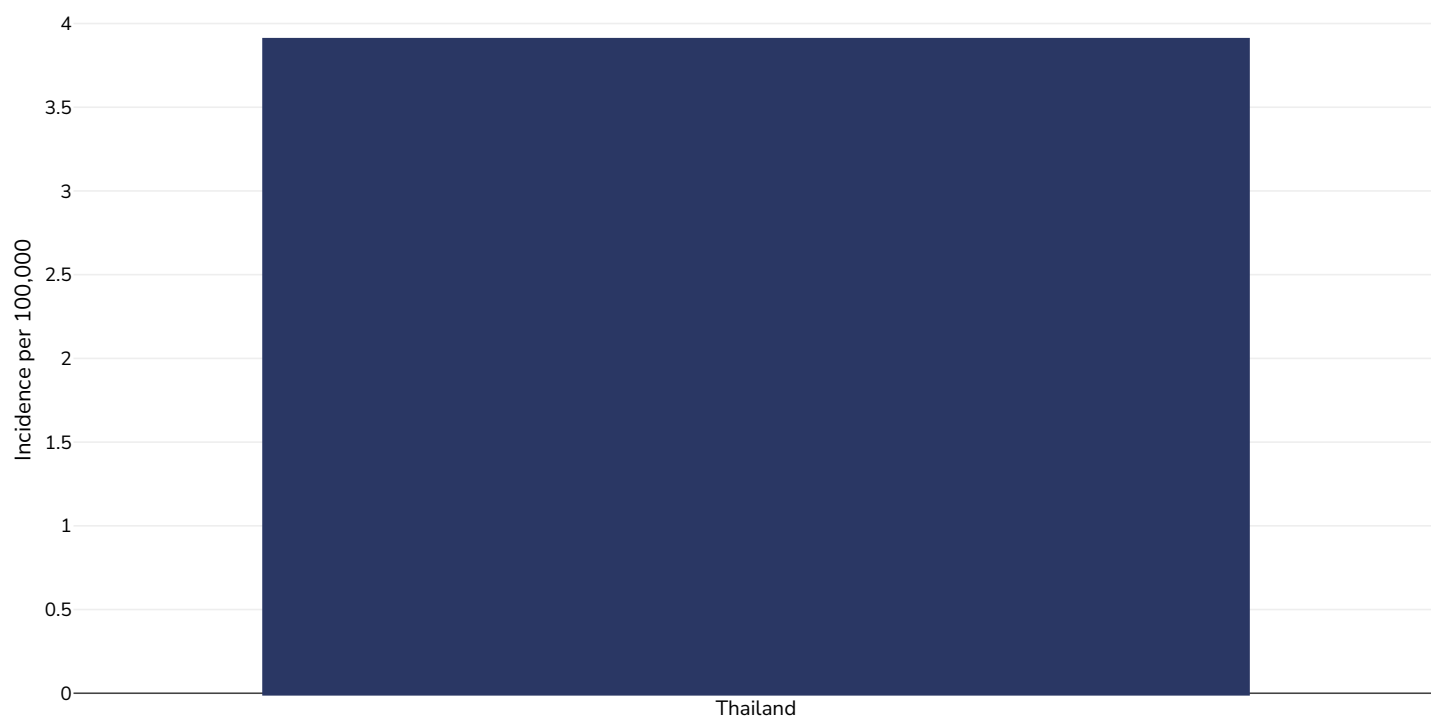
Area covered: National

References: Ferlay J, Ervik M, Lam F, Laversanne M, Colombet M, Mery L, Piñeros M, Znaor A, Soerjomataram I, Bray F (2024). Global Cancer Observatory: Cancer Today. Lyon, France: International Agency for Research on Cancer. Available from: <https://gco.iarc.who.int/today>, accessed [16.07.24]

Definitions: Incidence per 100,000

## Kidney cancer

### Men, 2022



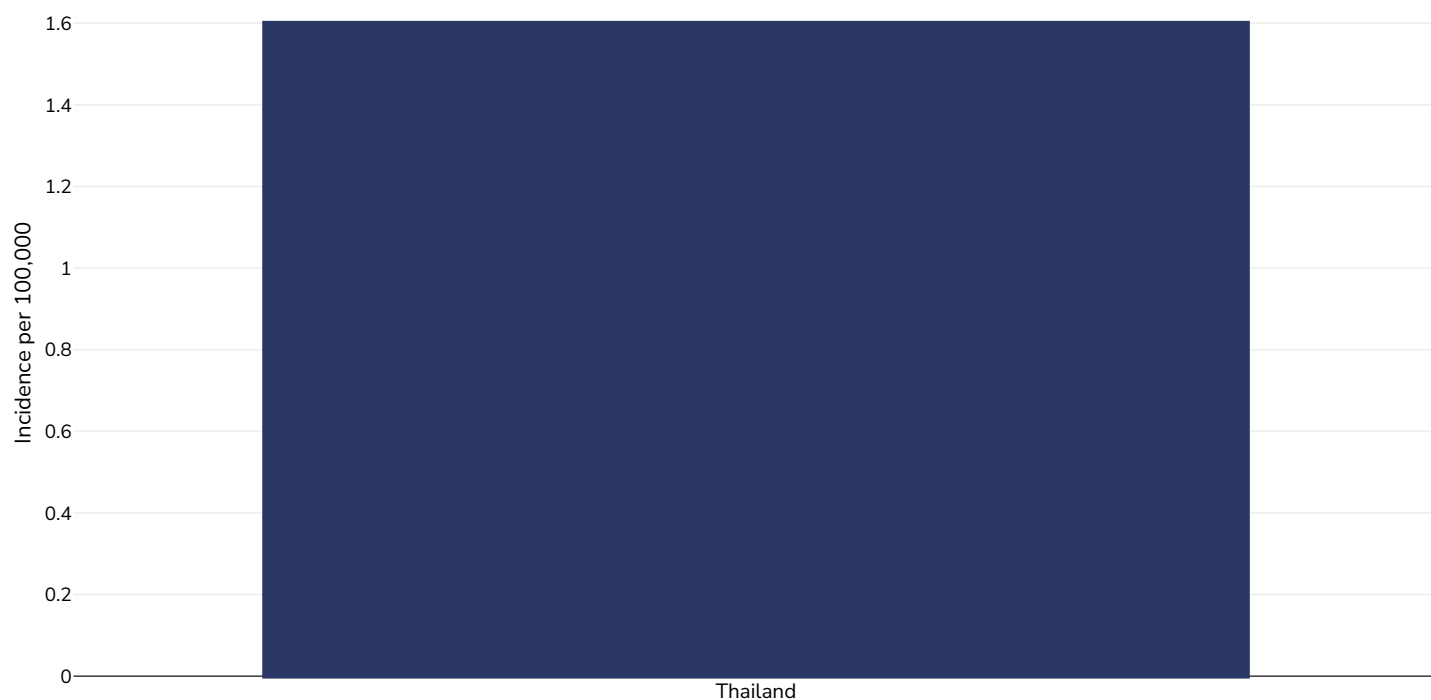
Age: 20+

Area covered: National

References: Ferlay J, Ervik M, Lam F, Laversanne M, Colombet M, Mery L, Piñeros M, Znaor A, Soerjomataram I, Bray F (2024). Global Cancer Observatory: Cancer Today. Lyon, France: International Agency for Research on Cancer. Available from: <https://gco.iarc.who.int/today>, accessed [16.07.24]

Definitions: Incidence per 100,000

## Women, 2022



Age: 20+

Area covered: National

References: Ferlay J, Ervik M, Lam F, Laversanne M, Colombet M, Mery L, Piñeros M, Znaor A, Soerjomataram I, Bray F (2024). Global Cancer Observatory: Cancer Today. Lyon, France: International Agency for Research on Cancer. Available from: <https://gco.iarc.who.int/today>, accessed [16.07.24]

Definitions: Incidence per 100,000

## Cancer of the uterus

### Women, 2022



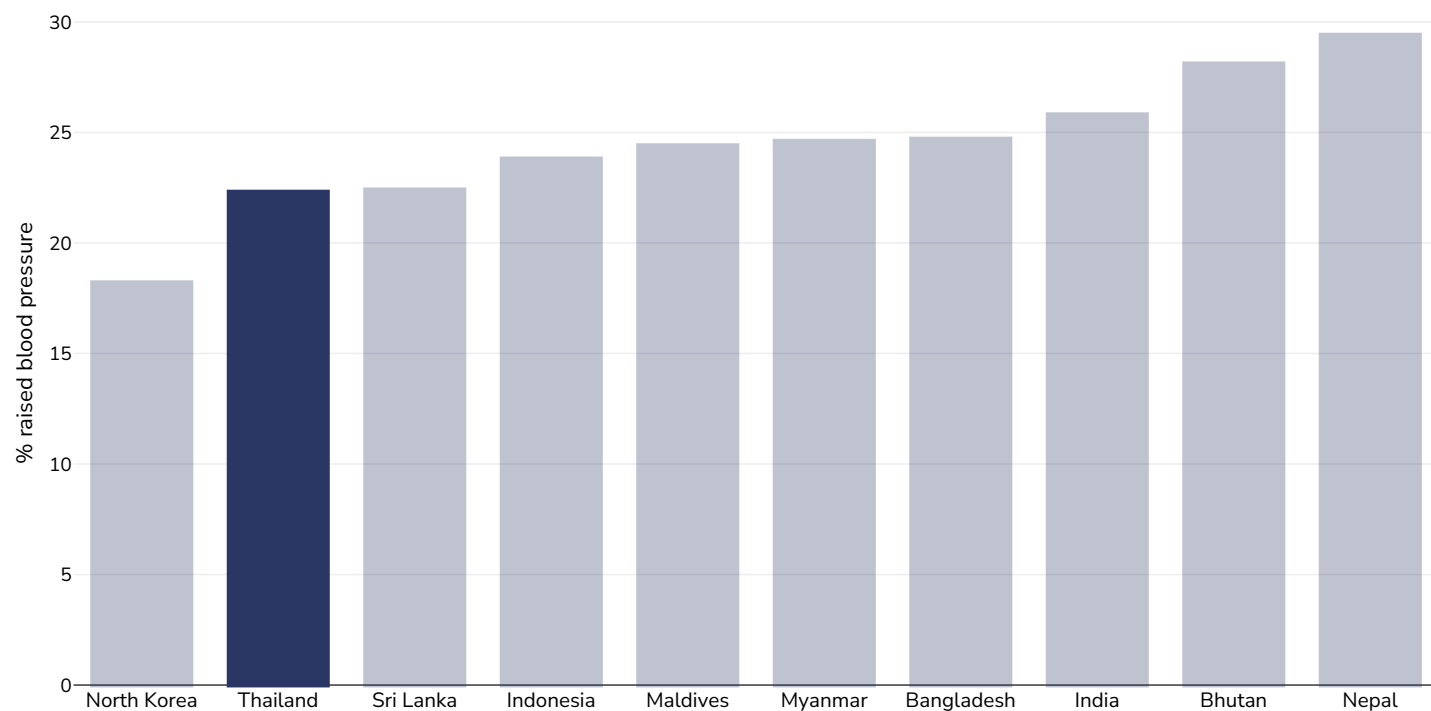
Age: 20+

References: Ferlay J, Ervik M, Lam F, Laversanne M, Colombet M, Mery L, Piñeros M, Znaor A, Soerjomataram I, Bray F (2024). Global Cancer Observatory: Cancer Today. Lyon, France: International Agency for Research on Cancer. Available from: <https://gco.iarc.who.int/today>, accessed [16.07.24]

Definitions: Incidence per 100,000

## Raised blood pressure

### Adults, 2015



References:

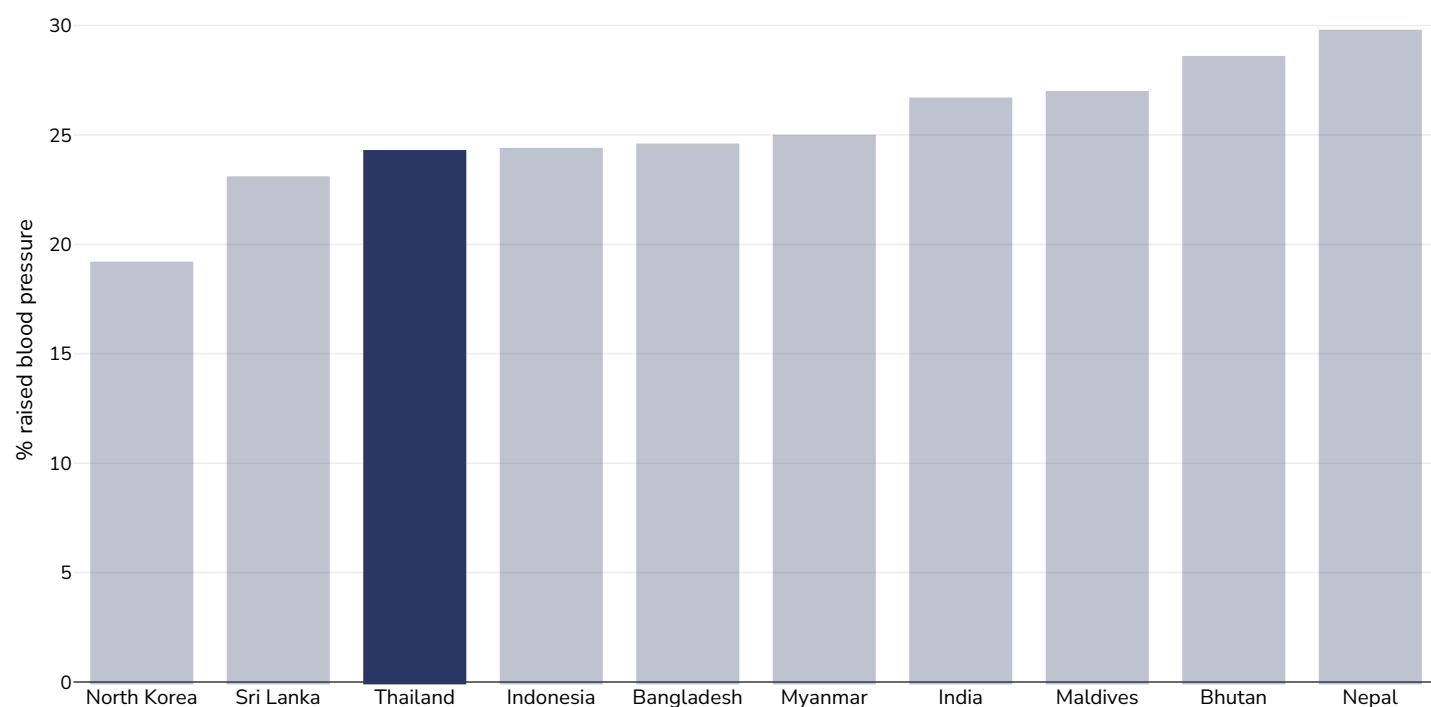
Global Health Observatory data repository, World Health Organisation,  
<http://apps.who.int/gho/data/node.main.A875?lang=en>

Definitions:

Age Standardised estimated % Raised blood pressure 2015 (SBP $\geq$ 140 OR DBP $\geq$ 90).



## Men, 2015



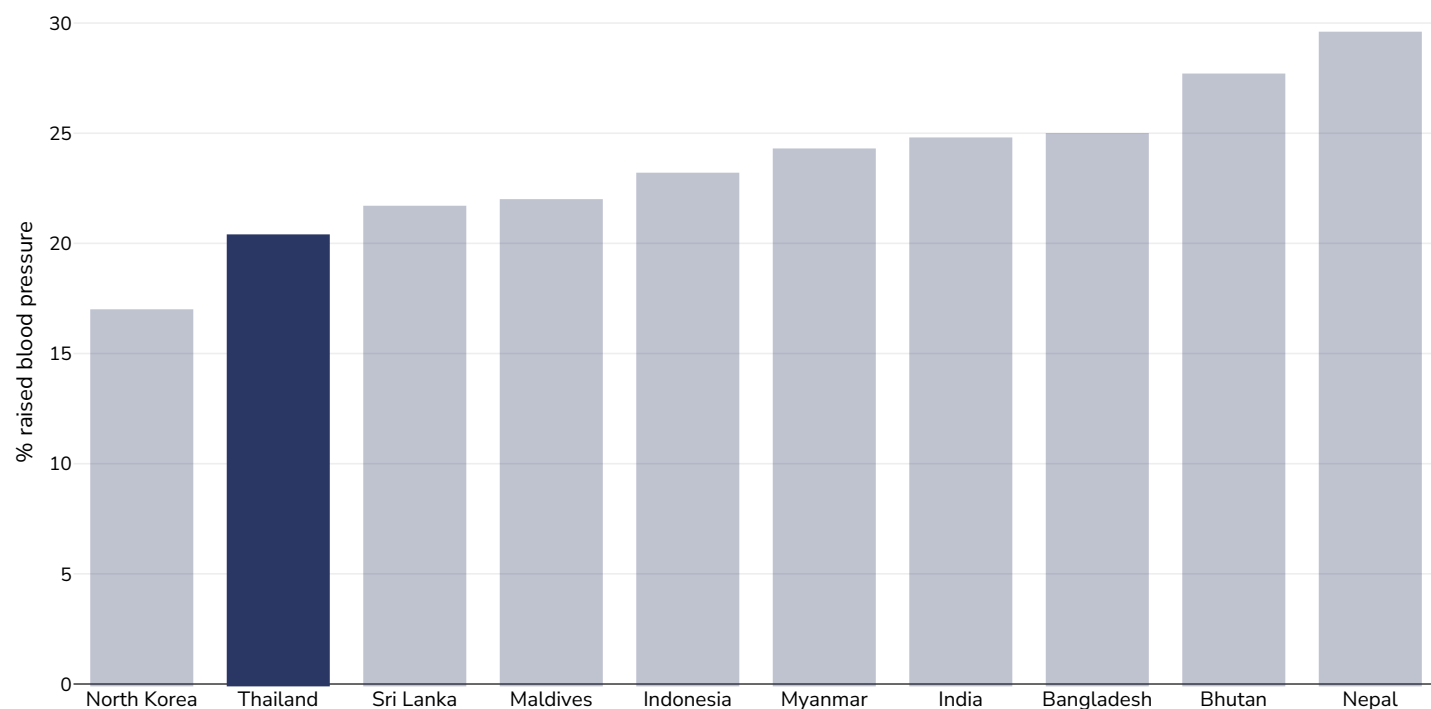
### References:

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 $\geq$ 140 OR DBP $\geq$ 90).

## Women, 2015



### References:

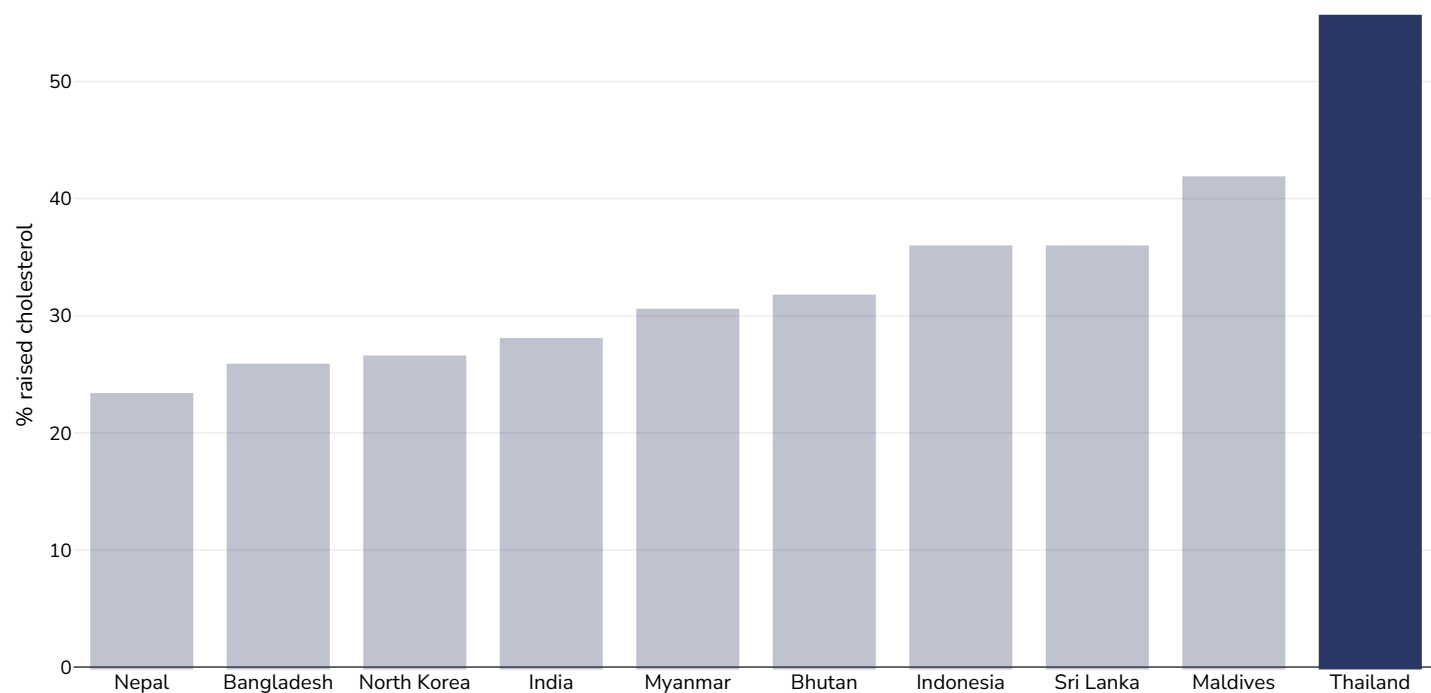
Global Health Observatory data repository, World Health Organisation,  
<http://apps.who.int/gho/data/node.main.A875?lang=en>

### Definitions:

Age Standardised estimated % Raised blood pressure 2015 (SBP $\geq$ 140 OR DBP $\geq$ 90).

## Raised cholesterol

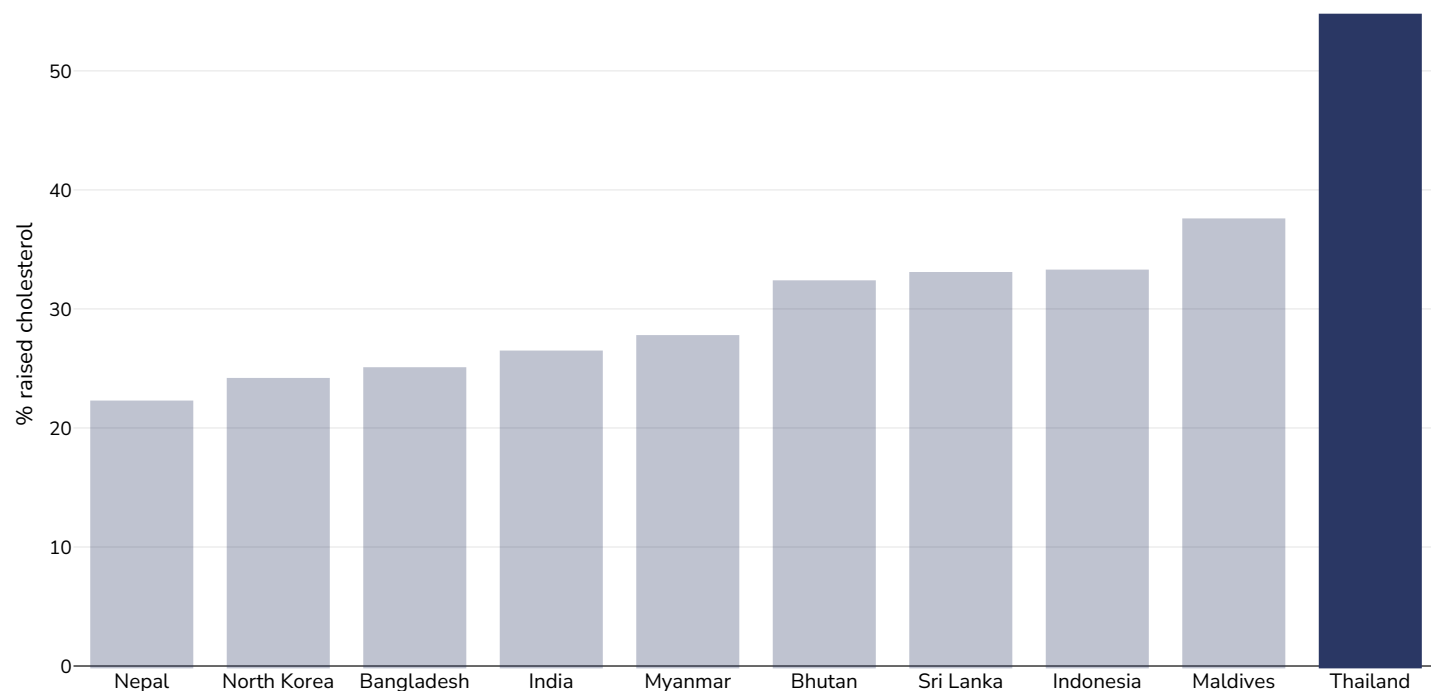
Adults, 2008



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

Definitions: % Raised total cholesterol ( $\geq 5.0$  mmol/L) (age-standardized estimate).

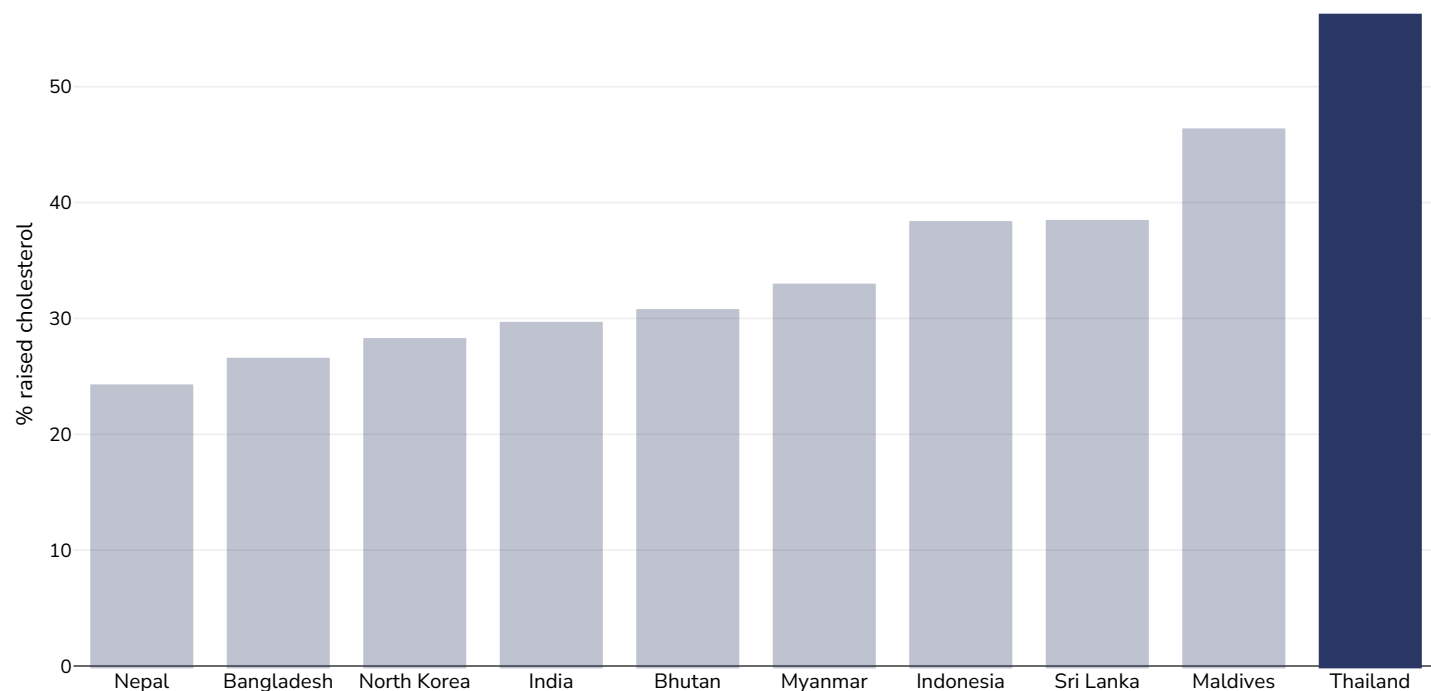
## Men, 2008



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

Definitions: % Raised total cholesterol ( $\geq 5.0$  mmol/L) (age-standardized estimate).

## Women, 2008

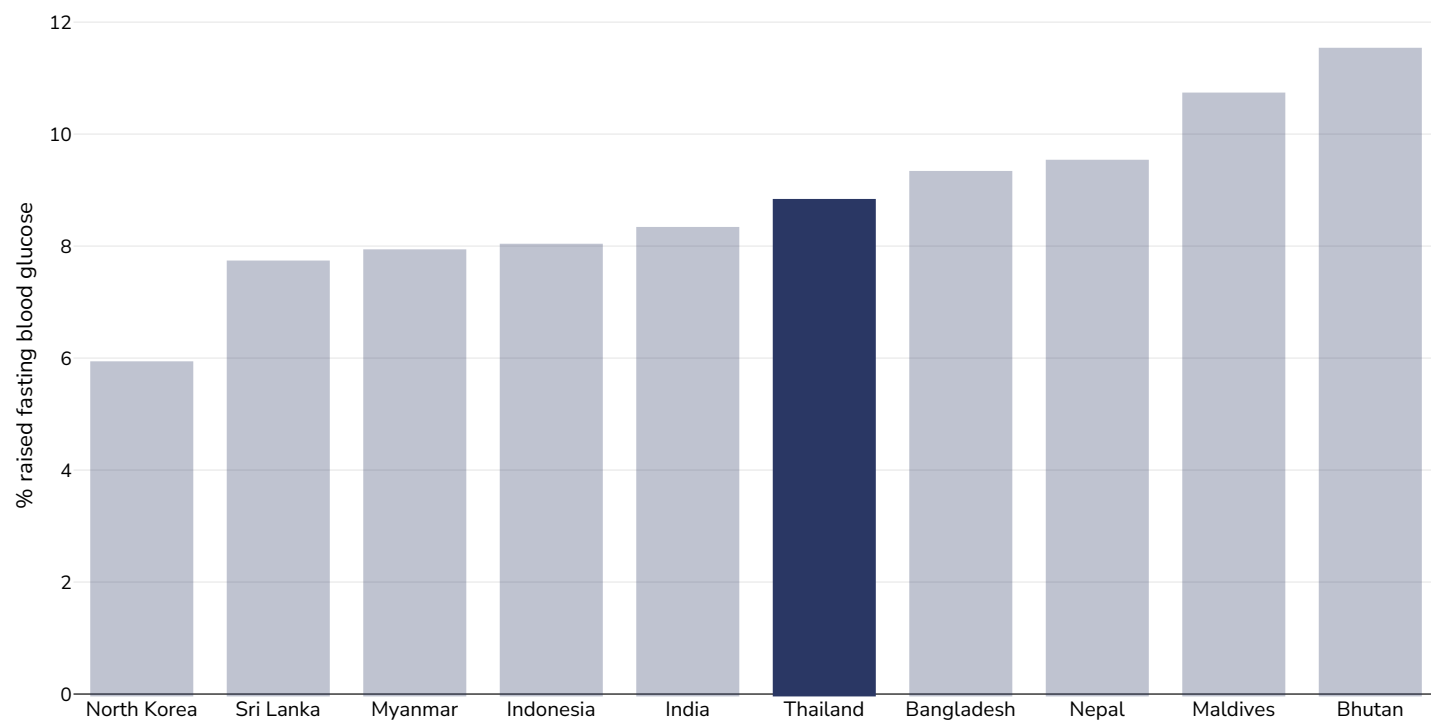


References: Global Health Observatory data repository, World Health Organisation, <http://apps.who.int/gho/data/node.main.A885>

Definitions: % Raised total cholesterol ( $\geq 5.0$  mmol/L) (age-standardized estimate).

## Raised fasting blood glucose

### Men, 2014



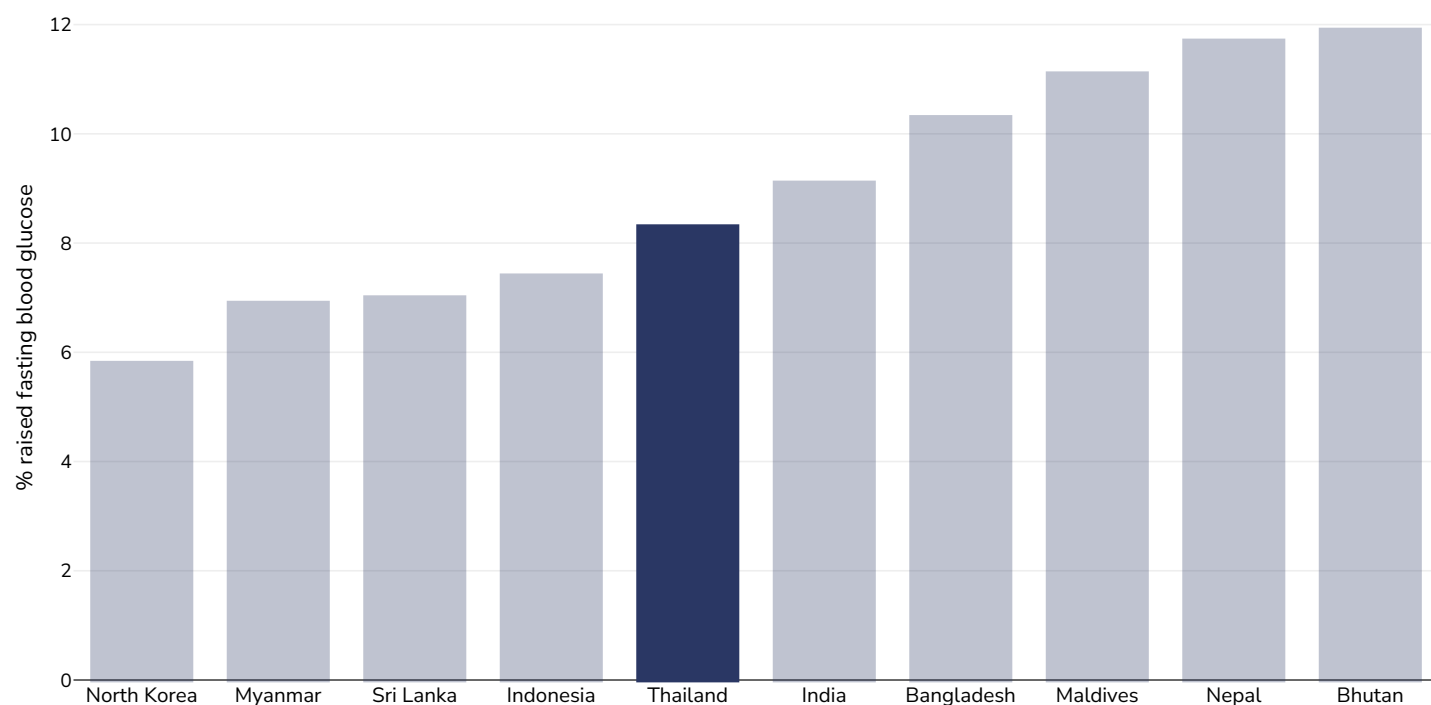
References:

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 ( $\geq 7.0$  mmol/L or on medication).

## Women, 2014



References:

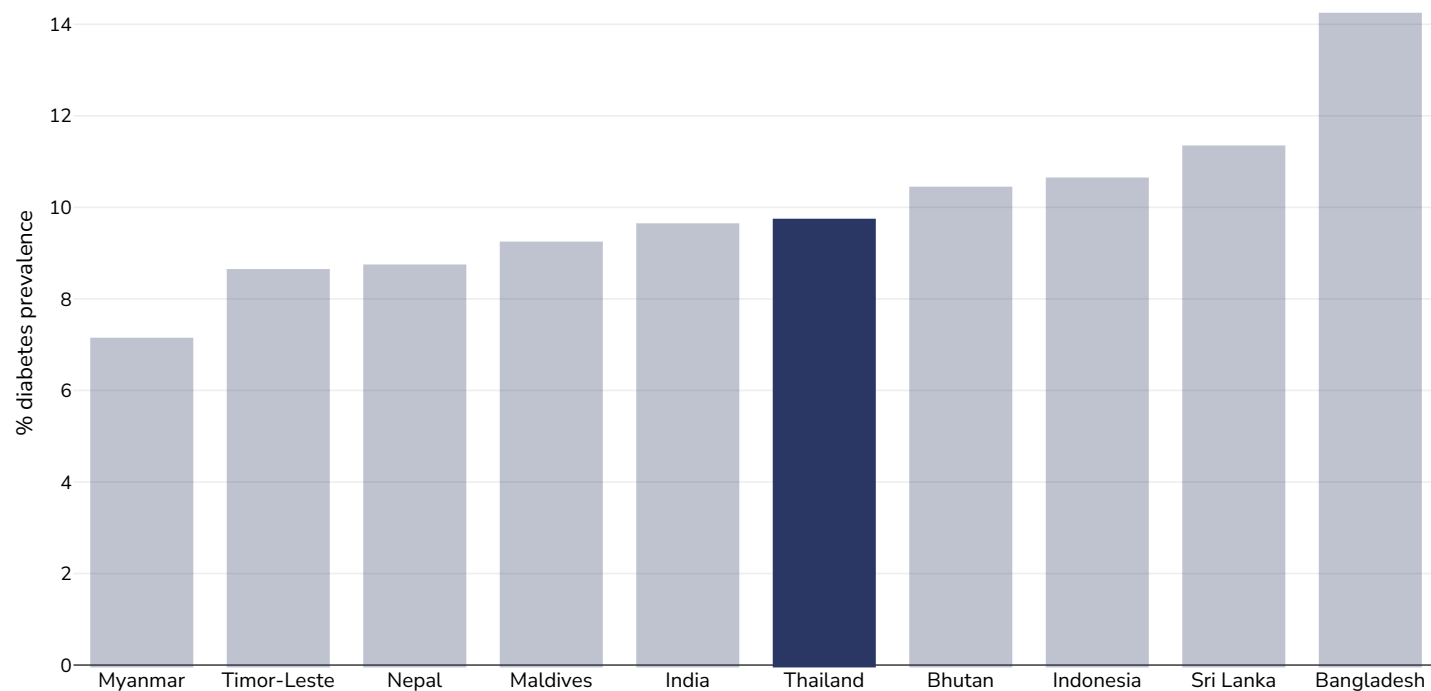
Global Health Observatory data repository, World Health Organisation,  
<http://apps.who.int/gho/data/node.main.A869?lang=en>

Definitions:

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

## Diabetes prevalence

Adults, 2021



Age: 20-79

Area covered: National

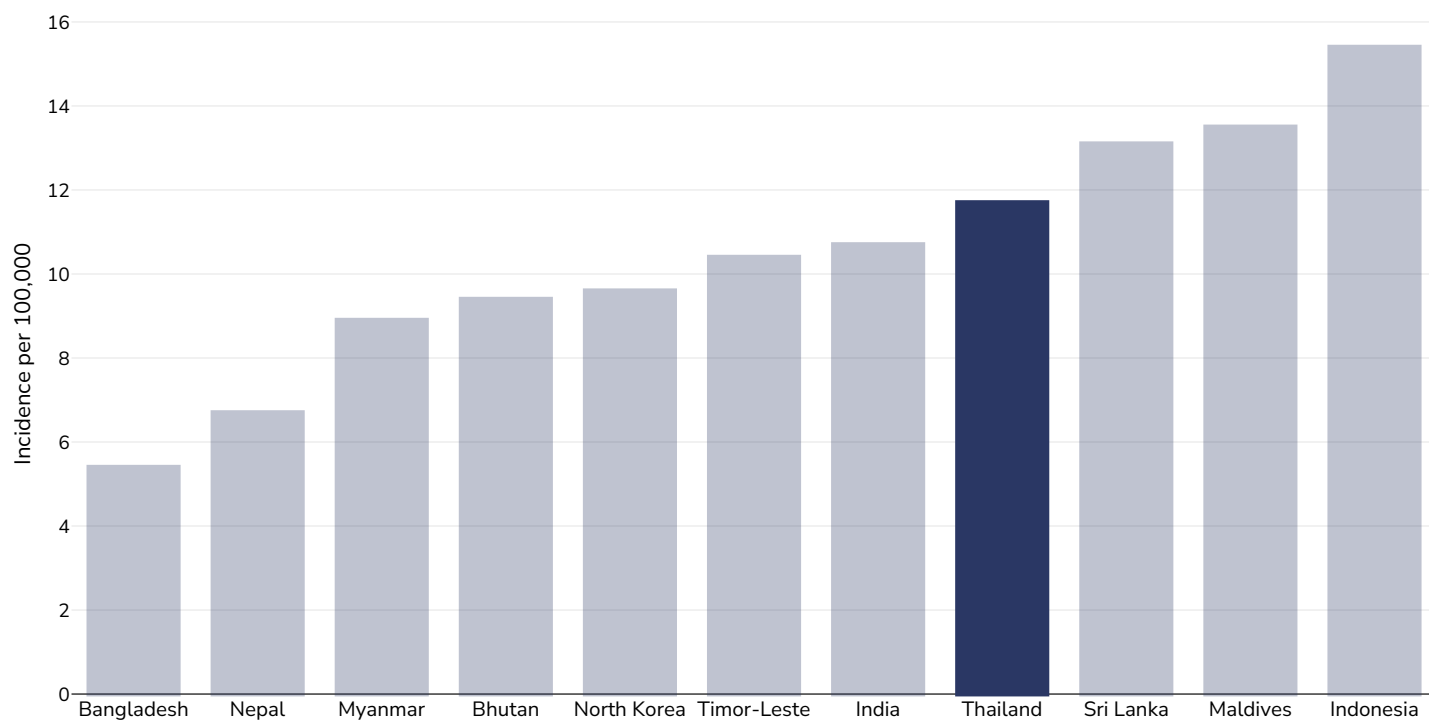
References: Reproduced with kind permission International Diabetes Federation. IDF Diabetes Atlas, 10th edn. Brussels, Belgium:International Diabetes Federation, 2021. <http://www.diabetesatlas.org>

Definitions: Age-adjusted comparative prevalence of diabetes, %



## Ovarian Cancer

### Women, 2022



Age: 20+

References: Ferlay J, Ervik M, Lam F, Laversanne M, Colombet M, Mery L, Piñeros M, Znaor A, Soerjomataram I, Bray F (2024). Global Cancer Observatory: Cancer Today. Lyon, France: International Agency for Research on Cancer. Available from: <https://gco.iarc.who.int/today>, accessed [16.07.24]

Definitions: Incidence per 100,000

# Leukemia

## Men, 2022



Age: 20+

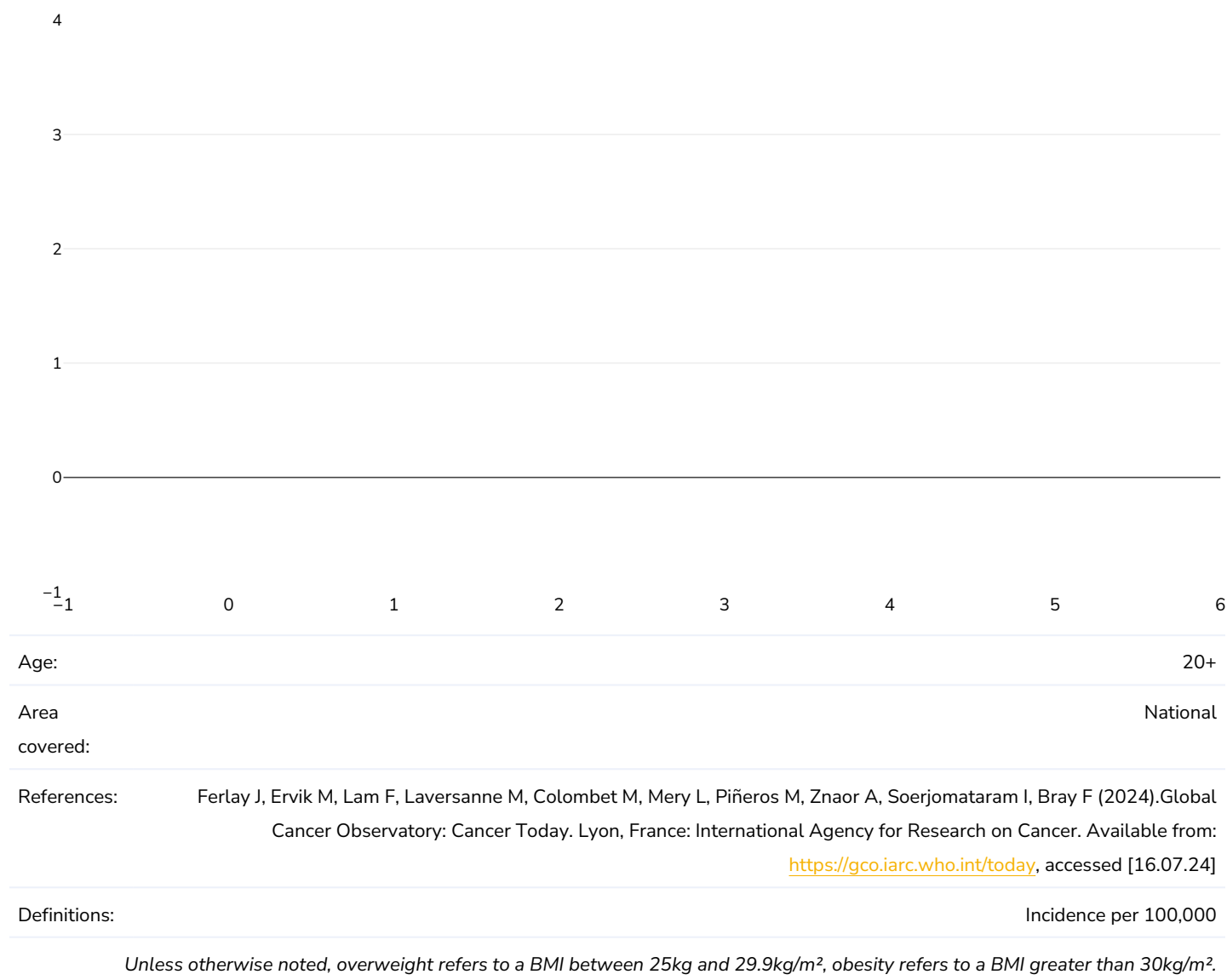
Area covered: National

References: Ferlay J, Ervik M, Lam F, Laversanne M, Colombet M, Mery L, Piñeros M, Znaor A, Soerjomataram I, Bray F (2024). Global Cancer Observatory: Cancer Today. Lyon, France: International Agency for Research on Cancer. Available from: <https://gco.iarc.who.int/today>, accessed [16.07.24]

Definitions: Incidence per 100,000

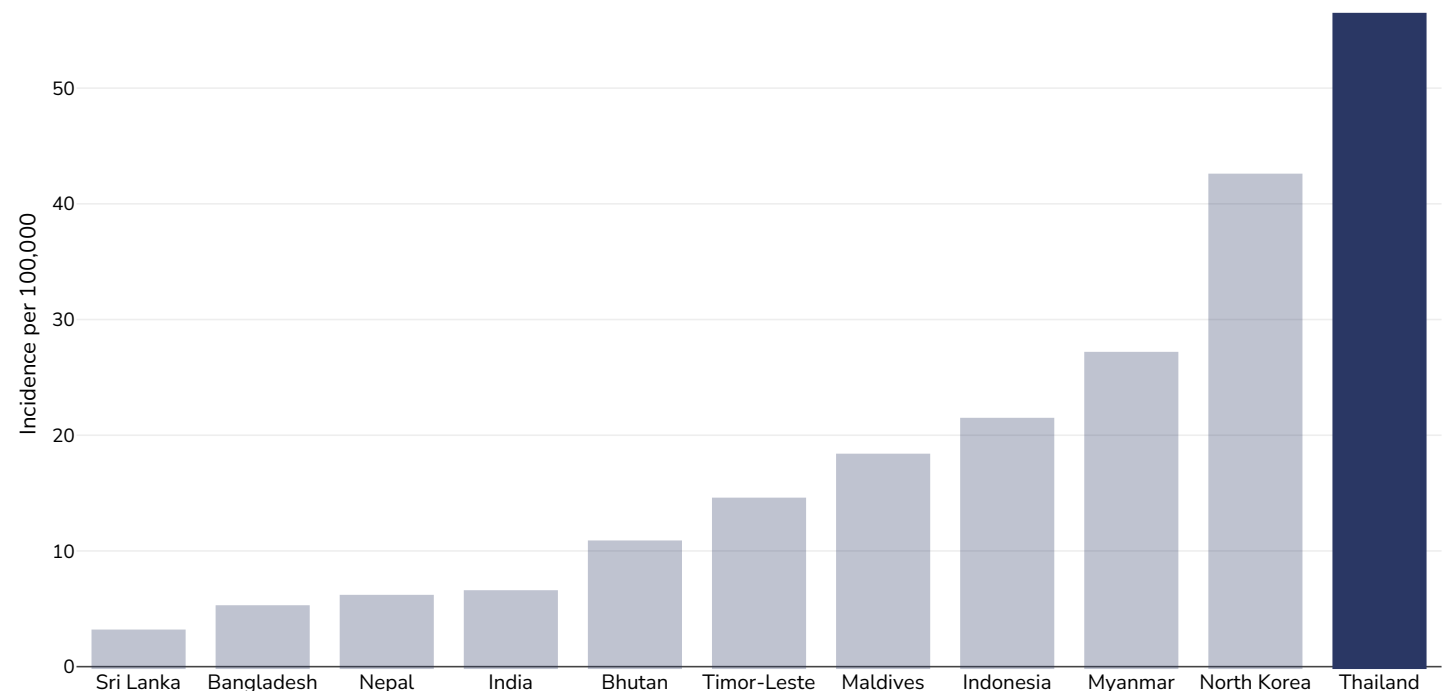
Unless otherwise noted, overweight refers to a BMI between 25kg and 29.9kg/m², obesity refers to a BMI greater than 30kg/m².

## Women, 2022



## Liver and intrahepatic bile duct Cancer

Men, 2022



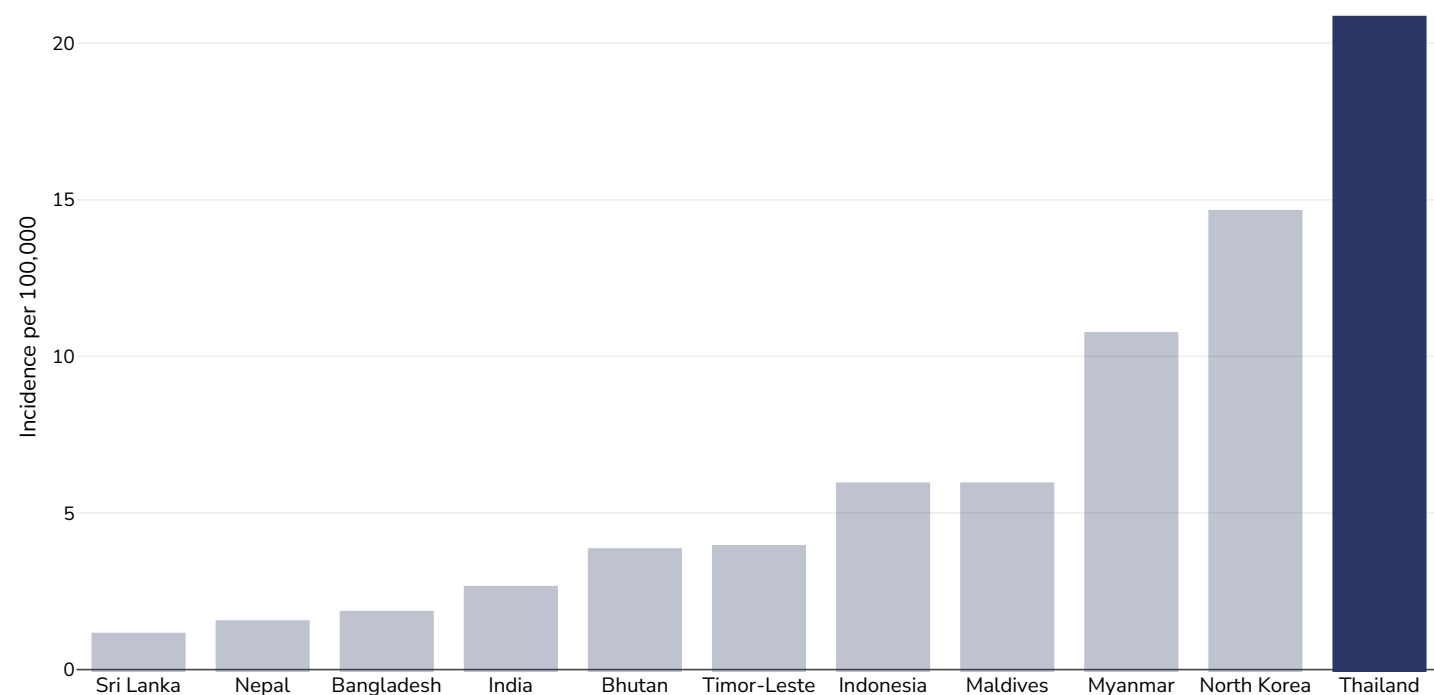
Age: 20+

Area covered: National

References: Ferlay J, Ervik M, Lam F, Laversanne M, Colombet M, Mery L, Piñeros M, Znaor A, Soerjomataram I, Bray F (2024). Global Cancer Observatory: Cancer Today. Lyon, France: International Agency for Research on Cancer. Available from: <https://gco.iarc.who.int/today>, accessed [16.07.24]

Definitions: Incidence per 100,000

## Women, 2022



Age: 20+

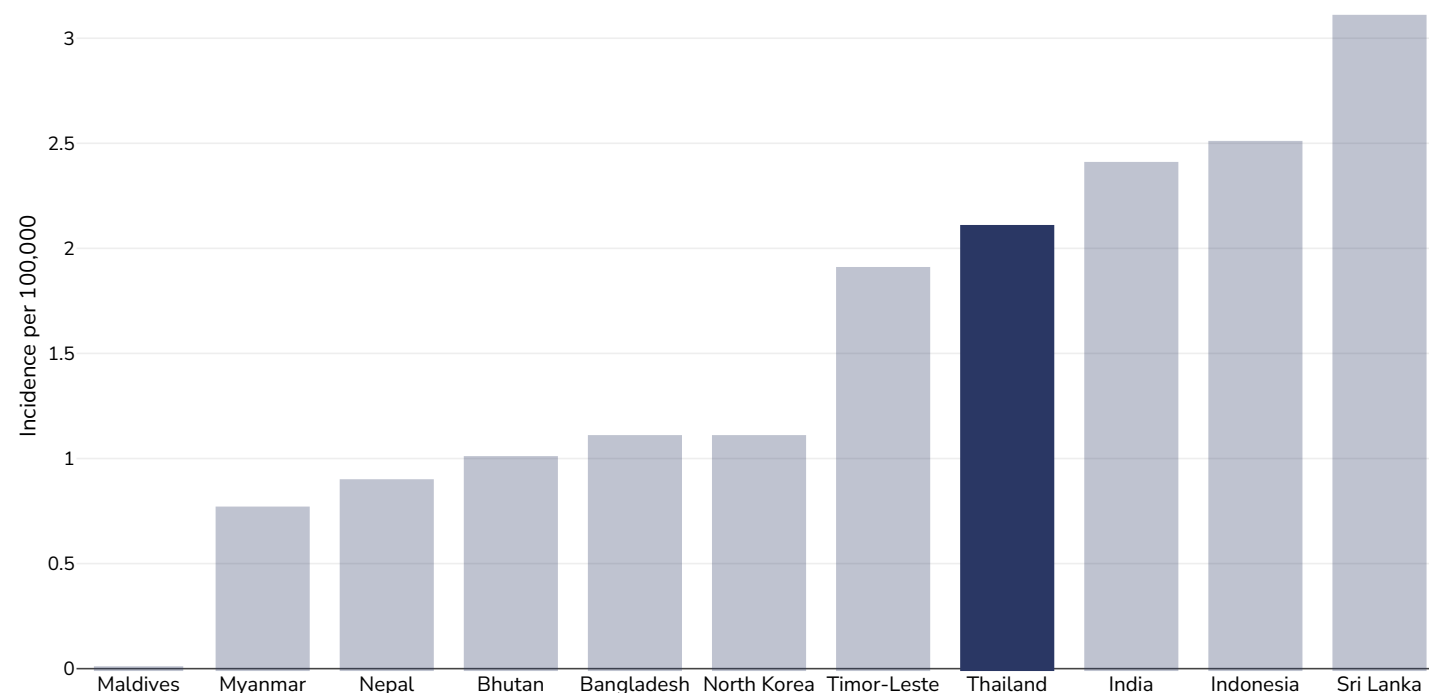
Area covered: National

References: Ferlay J, Ervik M, Lam F, Laversanne M, Colombet M, Mery L, Piñeros M, Znaor A, Soerjomataram I, Bray F (2024). Global Cancer Observatory: Cancer Today. Lyon, France: International Agency for Research on Cancer. Available from: <https://gco.iarc.who.int/today>, accessed [16.07.24]

Definitions: Incidence per 100,000

## Multiple Myeloma

Men, 2022



Age: 20+

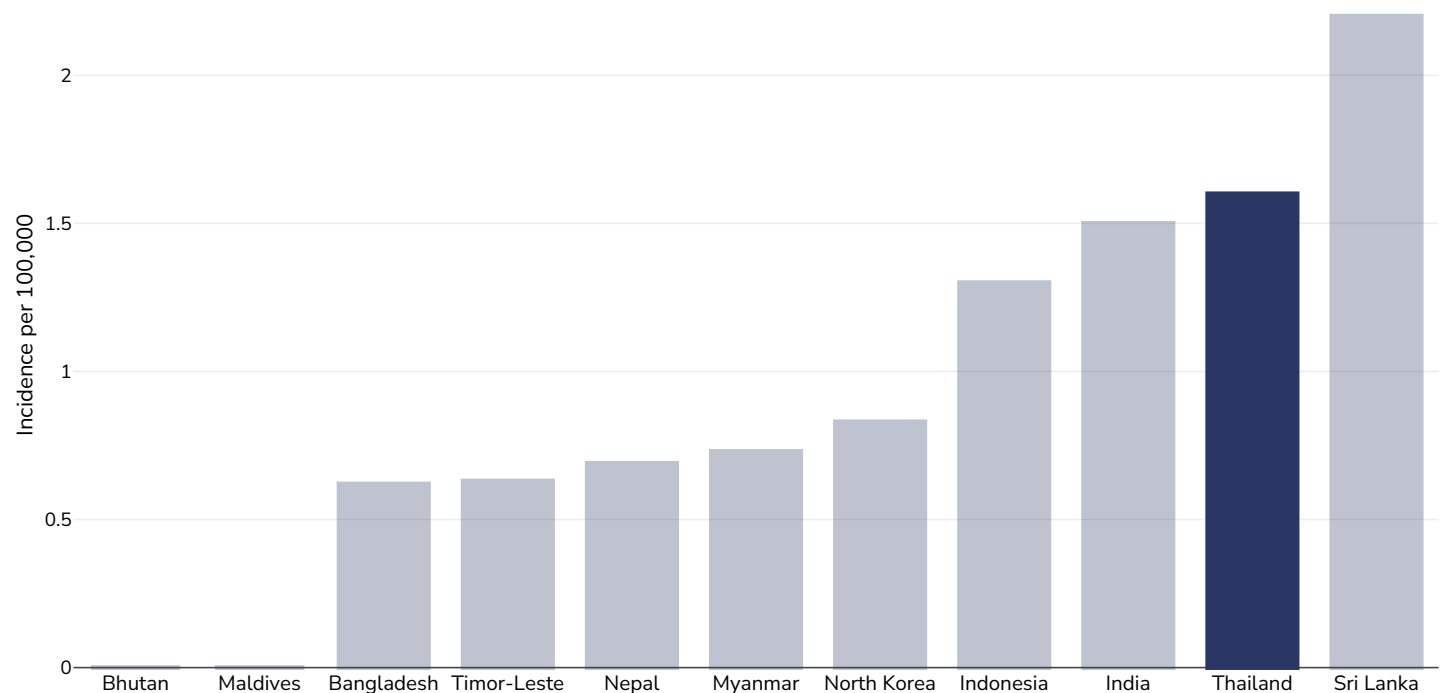
Area covered: National

References: Ferlay J, Ervik M, Lam F, Laversanne M, Colombet M, Mery L, Piñeros M, Znaor A, Soerjomataram I, Bray F (2024). Global Cancer Observatory: Cancer Today. Lyon, France: International Agency for Research on Cancer. Available from: <https://gco.iarc.who.int/today>, accessed [16.07.24]

Definitions: Incidence per 100,000

*Unless otherwise noted, overweight refers to a BMI between 25kg and 29.9kg/m<sup>2</sup>, obesity refers to a BMI greater than 30kg/m<sup>2</sup>.*

## Women, 2022



Age: 20+

Area covered: National

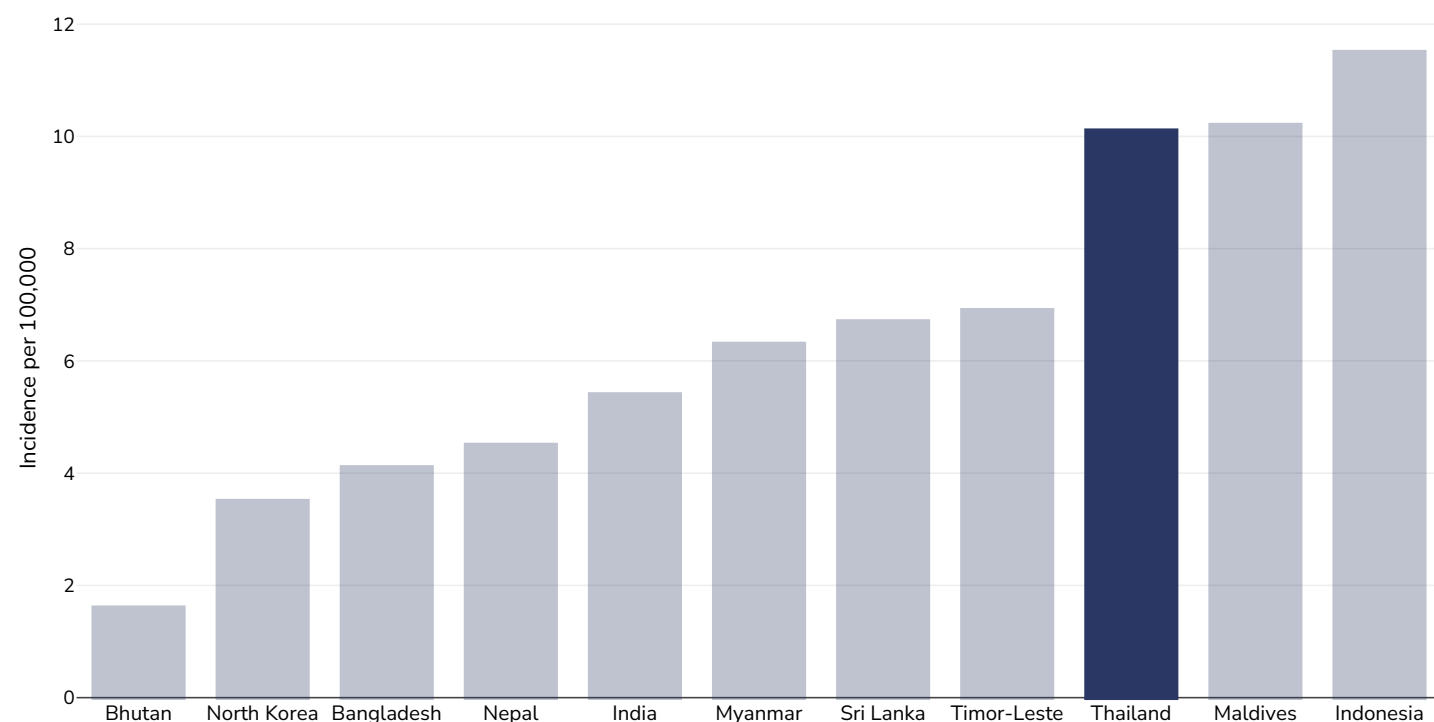
References: Ferlay J, Ervik M, Lam F, Laversanne M, Colombet M, Mery L, Piñeros M, Znaor A, Soerjomataram I, Bray F (2024). Global Cancer Observatory: Cancer Today. Lyon, France: International Agency for Research on Cancer. Available from: <https://gco.iarc.who.int/today>, accessed [16.07.24]

Definitions: Incidence per 100,000

*Unless otherwise noted, overweight refers to a BMI between 25kg and 29.9kg/m<sup>2</sup>, obesity refers to a BMI greater than 30kg/m<sup>2</sup>.*

# Non Hodgkin Lymphoma

Men, 2022



Age: 20+

Area covered: National

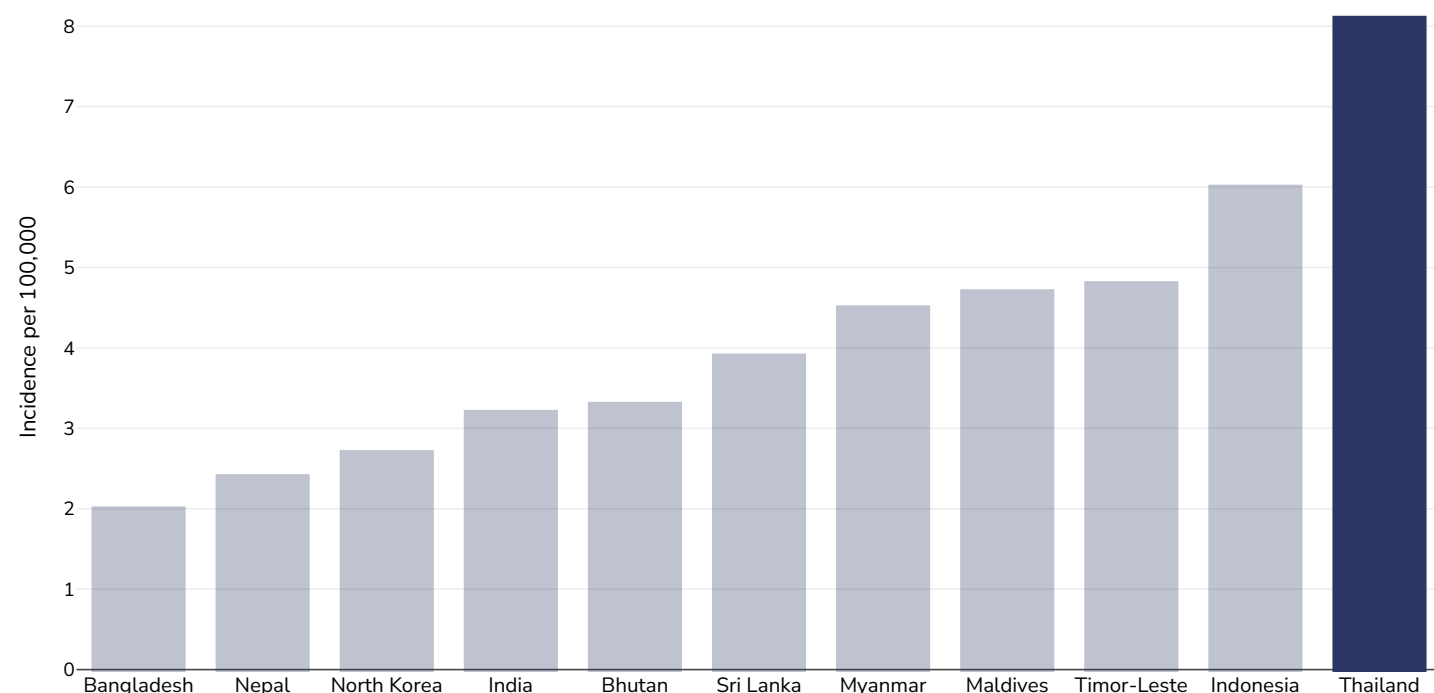
References: Ferlay J, Ervik M, Lam F, Laversanne M, Colombet M, Mery L, Piñeros M, Znaor A, Soerjomataram I, Bray F (2024). Global Cancer Observatory: Cancer Today. Lyon, France: International Agency for Research on Cancer. Available from: <https://gco.iarc.who.int/today>, accessed [16.07.24]

Definitions: Incidence per 100,000

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



## Women, 2022



Age: 20+

Area covered: National

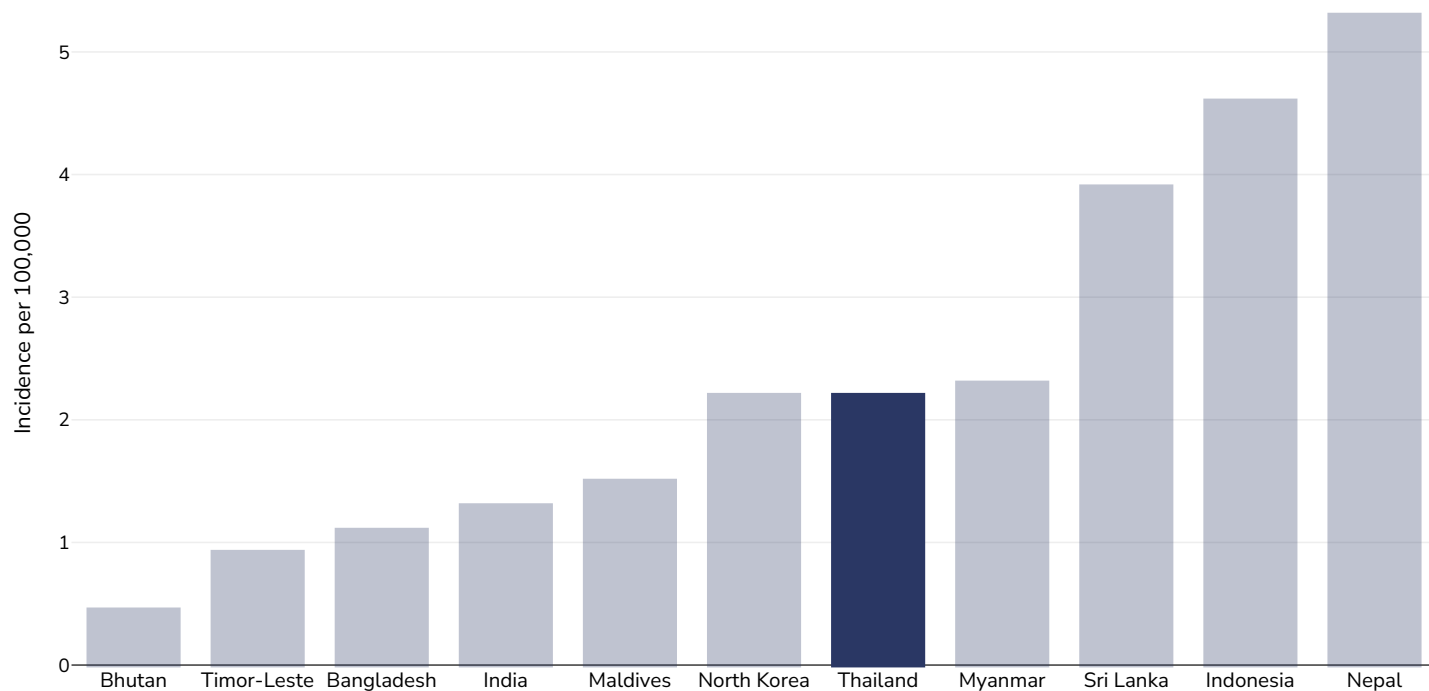
References: Ferlay J, Ervik M, Lam F, Laversanne M, Colombet M, Mery L, Piñeros M, Znaor A, Soerjomataram I, Bray F (2024). Global Cancer Observatory: Cancer Today. Lyon, France: International Agency for Research on Cancer. Available from: <https://gco.iarc.who.int/today>, accessed [16.07.24]

Definitions: Incidence per 100,000

*Unless otherwise noted, overweight refers to a BMI between 25kg and 29.9kg/m<sup>2</sup>, obesity refers to a BMI greater than 30kg/m<sup>2</sup>.*

## Thyroid Cancer

Men, 2022



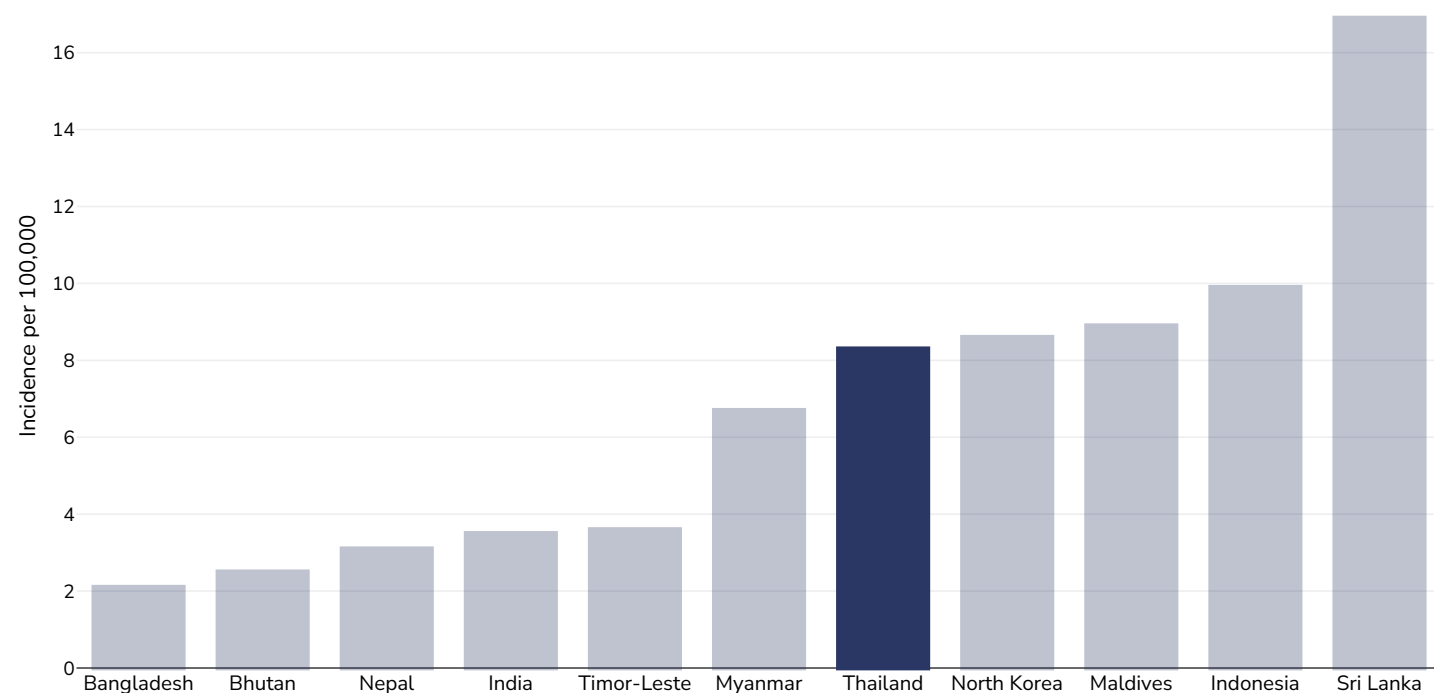
Age: 20+

Area covered: National

References: Ferlay J, Ervik M, Lam F, Laversanne M, Colombet M, Mery L, Piñeros M, Znaor A, Soerjomataram I, Bray F (2024). Global Cancer Observatory: Cancer Today. Lyon, France: International Agency for Research on Cancer. Available from: <https://gco.iarc.who.int/today>, accessed [16.07.24]

Definitions: Incidence per 100,000

## Women, 2022



Age: 20+

Area covered: National

References: Ferlay J, Ervik M, Lam F, Laversanne M, Colombet M, Mery L, Piñeros M, Znaor A, Soerjomataram I, Bray F (2024). Global Cancer Observatory: Cancer Today. Lyon, France: International Agency for Research on Cancer. Available from: <https://gco.iarc.who.int/today>, accessed [16.07.24]

Definitions: Incidence per 100,000

## 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?	✓ <sub>v</sub>
Back-of-pack nutrition declaration?	✓
Color coding?	✗
Warning label?	✗



## Regulation and marketing

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



## 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)?	✓
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### Key

✓ Present	✓ <sub>v</sub> Present (voluntary)	✓ Incoming	✗ Absent	? Unknown
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