

# Report card

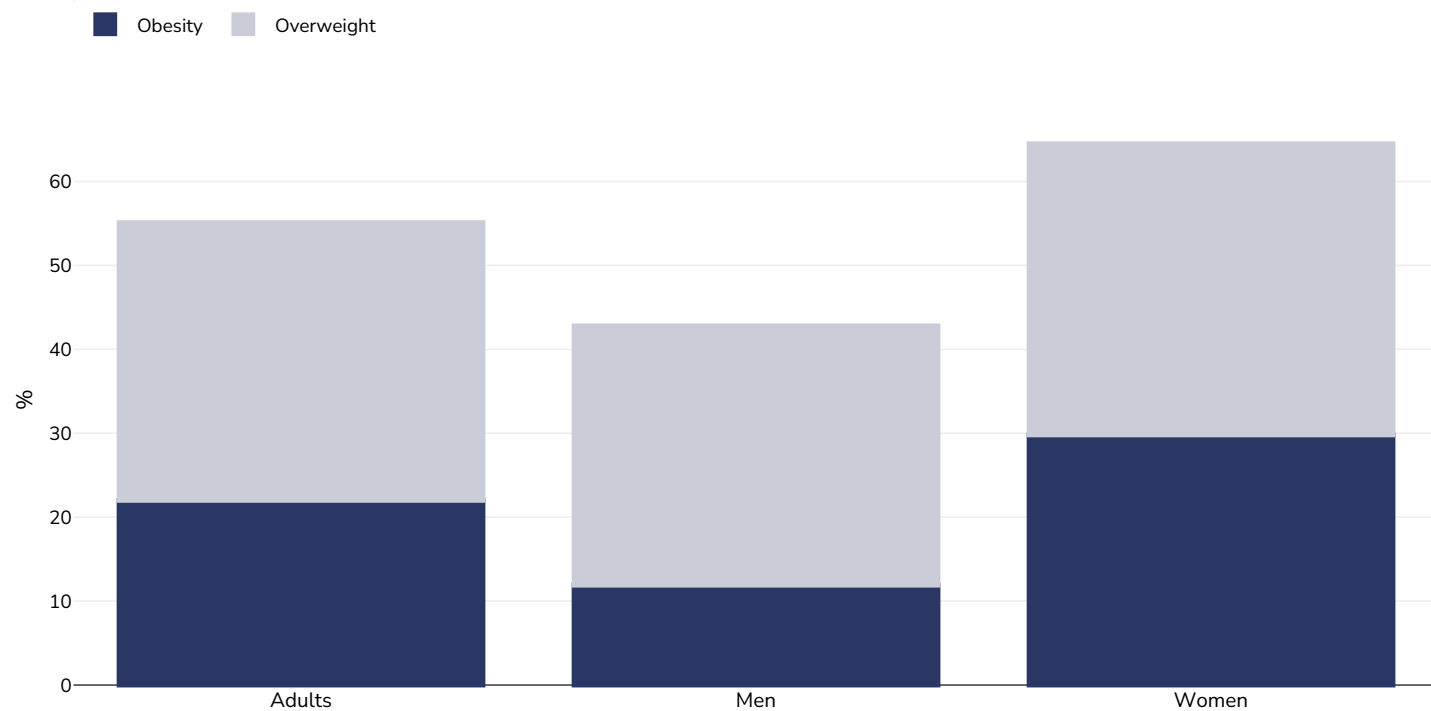
## Nicaragua



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## Obesity prevalence

### Adults, 2007-2009

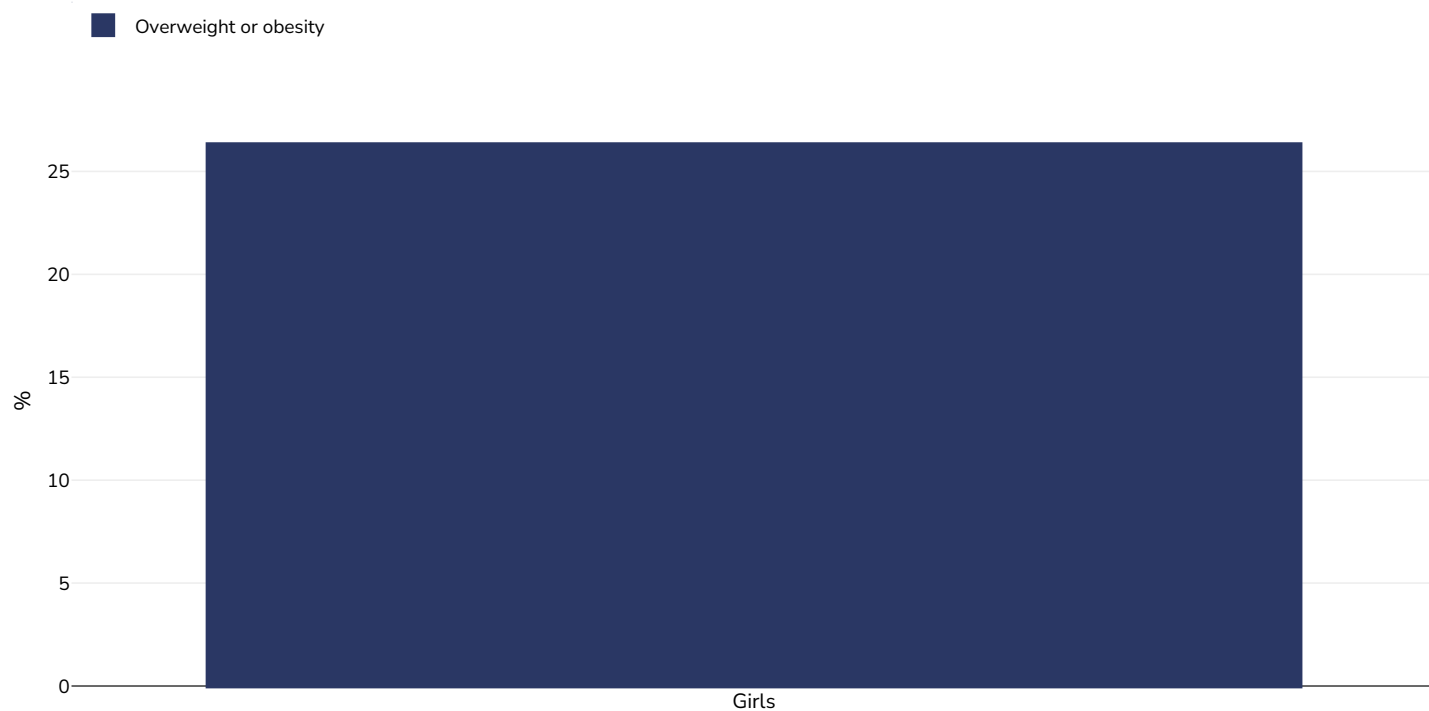


|               |          |
|---------------|----------|
| Survey type:  | Measured |
| Age:          | 20-60    |
| Sample size:  | 1355     |
| Area covered: | Regional |

References: Laux T.S, Bert P.J, González M, Unruh M, Aragon A, and Lacourt CT. Prevalence of obesity, tobacco use, and alcohol consumption by socioeconomic status among six communities in Nicaragua. *Rev Panam Salud Publica*. 2012;32(3): 217–225.

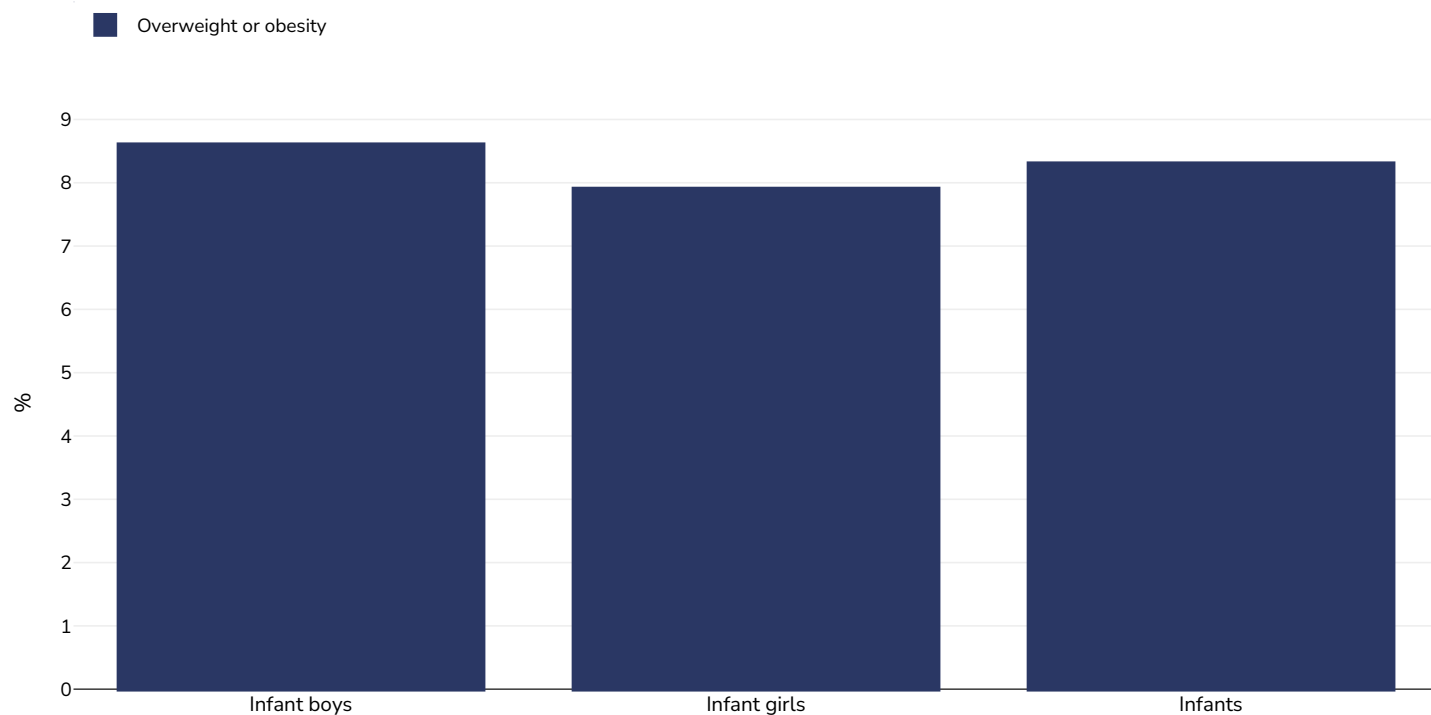
*Unless otherwise noted, overweight refers to a BMI between 25kg and 29.9kg/m<sup>2</sup>, obesity refers to a BMI greater than 30kg/m<sup>2</sup>.*

## Girls, 2001



|               |  |
|---------------|--|
| Survey type:  | Measured   |
| Age:          | 15-19  |
| Sample size:  | 2348   |
| Area covered: | National   |
| References:   | Benedict, Rukundo K., Allison Schmale, and Sorrel Namaste. 2018. Adolescent Nutrition 2000-2017: DHS Data on Adolescents Age 15-19. DHS Comparative Report No. 47. Rockville, Maryland, USA: ICF. Encuesta Nicaragüense de Demografía y Salud 2001. Instituto Nacional de Estadísticas y Censos (INEC), Ministerio de Salud (MINSAL). Marco International Inc. Calverton, Maryland USA |
| Definitions:  | BMI for age: between +1 SD and +2 SD is overweight and greater than +2 SD is obesity   |
| Cutoffs:      | WHO 2007   |

## Infants, 2011-2012



Age: 0-5

Sample size: 10137

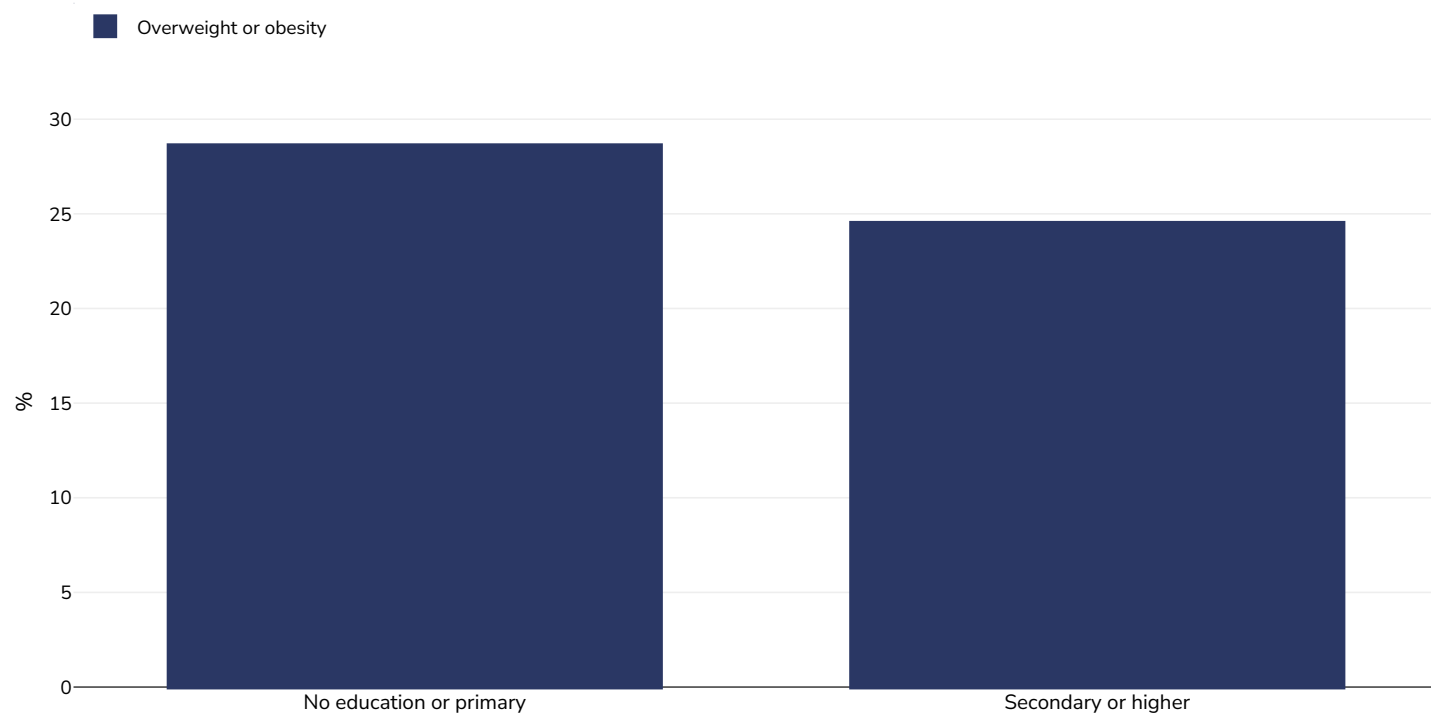
References: Other: Encuesta Nicaragüense de Demografía y Salud 2011/12 - Informe Final

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

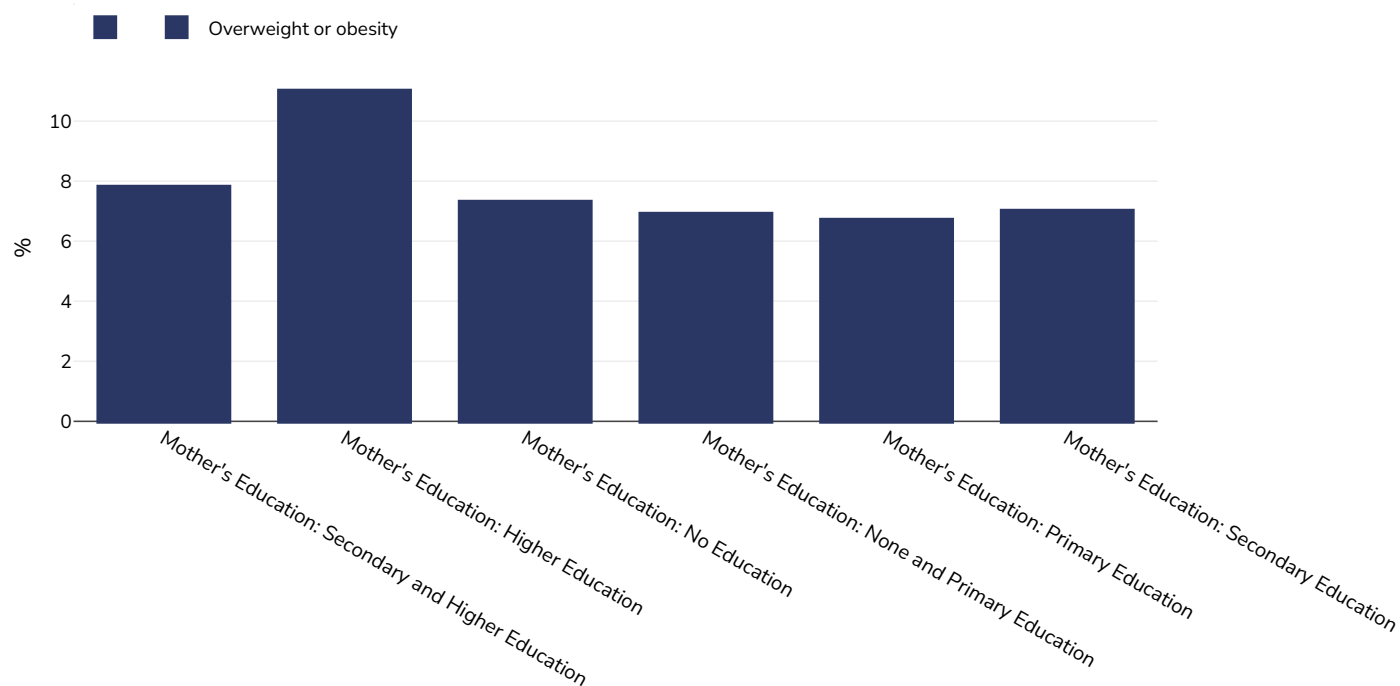
## Overweight/obesity by education

### Girls, 2001



|               |  |
|---------------|--|
| Survey type:  | Measured   |
| Age:          | 15-19  |
| Sample size:  | 2348   |
| Area covered: | National   |
| References:   | Benedict, Rukundo K., Allison Schmale, and Sorrel Namaste. 2018. Adolescent Nutrition 2000-2017: DHS Data on Adolescents Age 15-19. DHS Comparative Report No. 47. Rockville, Maryland, USA: ICF. Encuesta Nicaragüense de Demografía y Salud 2001. Instituto Nacional de Estadísticas y Censos (INEC), Ministerio de Salud (MINSAL). Marco International Inc. Calverton, Maryland USA |
| Definitions:  | BMI for age: between +1 SD and +2 SD is overweight and greater than +2 SD is obesity   |
| Cutoffs:      | WHO 2007   |

## Infants, 2001



Sample size: 5557

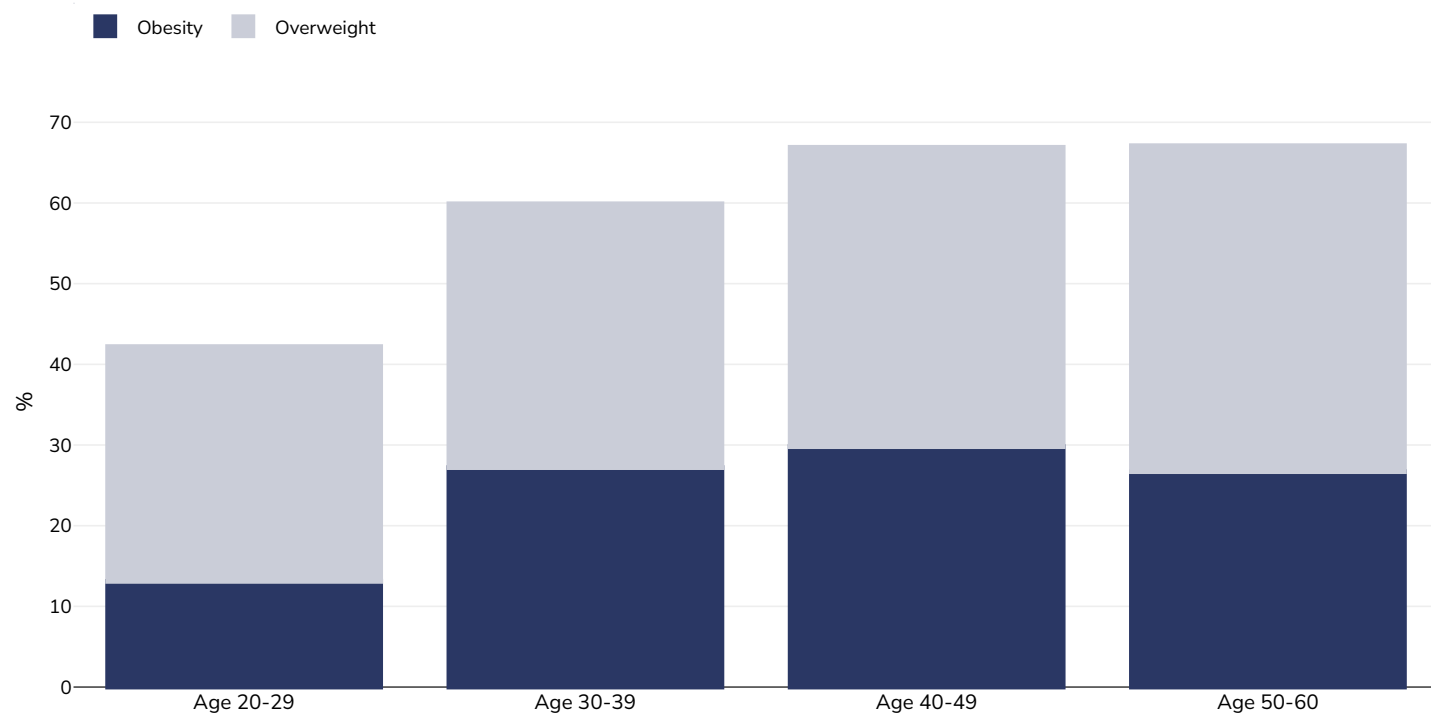
References: DHS: Encuesta nicaragüense de demografía y salud 2001. Demographic and Health Surveys. Calverton, Maryland, USA: INEC, MINSAL, and ORC Macro, 2002

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, 2007-2009



Survey type: Measured

Sample size: 1355

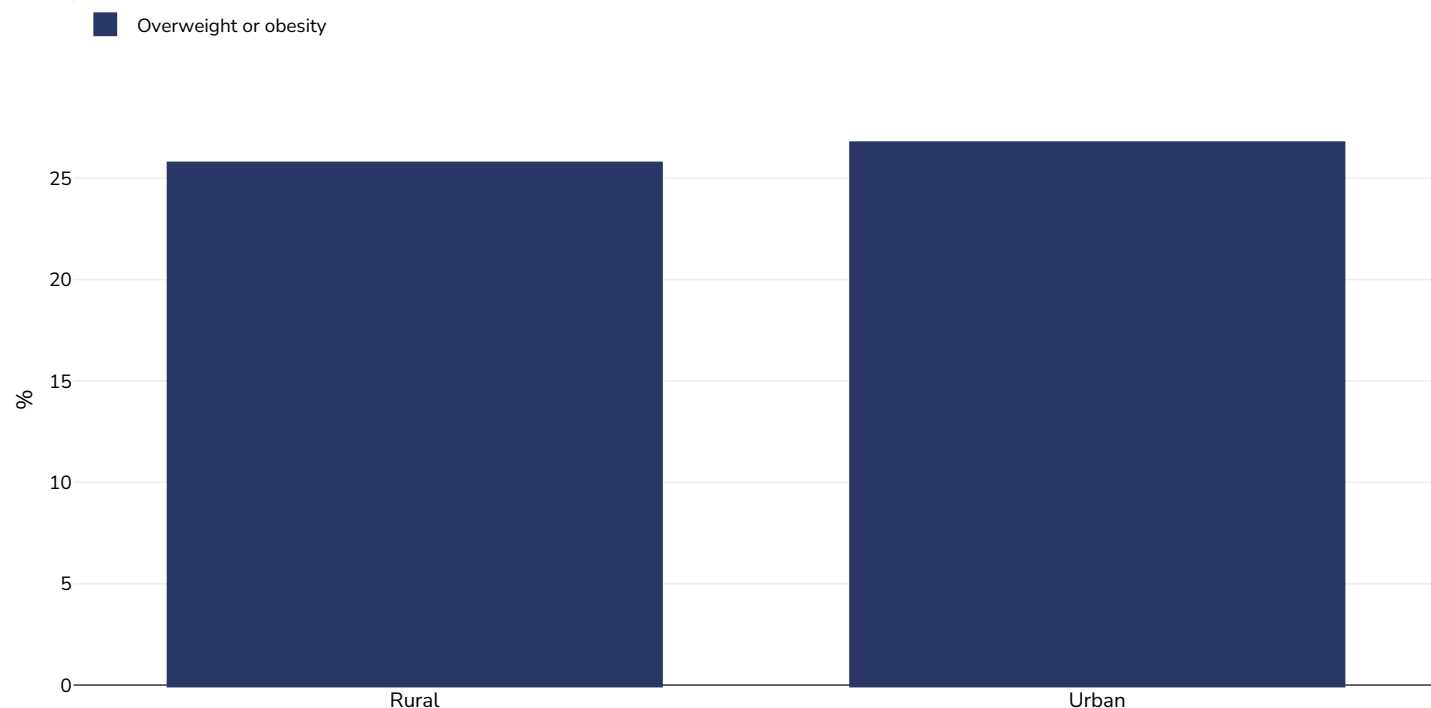
Area covered: Subnational

References: Laux T.S, Bert PJ, González M, Unruh M, Aragon A, and Lacourt CT. Prevalence of obesity, tobacco use, and alcohol consumption by socioeconomic status among six communities in Nicaragua. Rev Panam Salud Publica. 2012;32(3): 217–225.

*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>.*

## Overweight/obesity by region

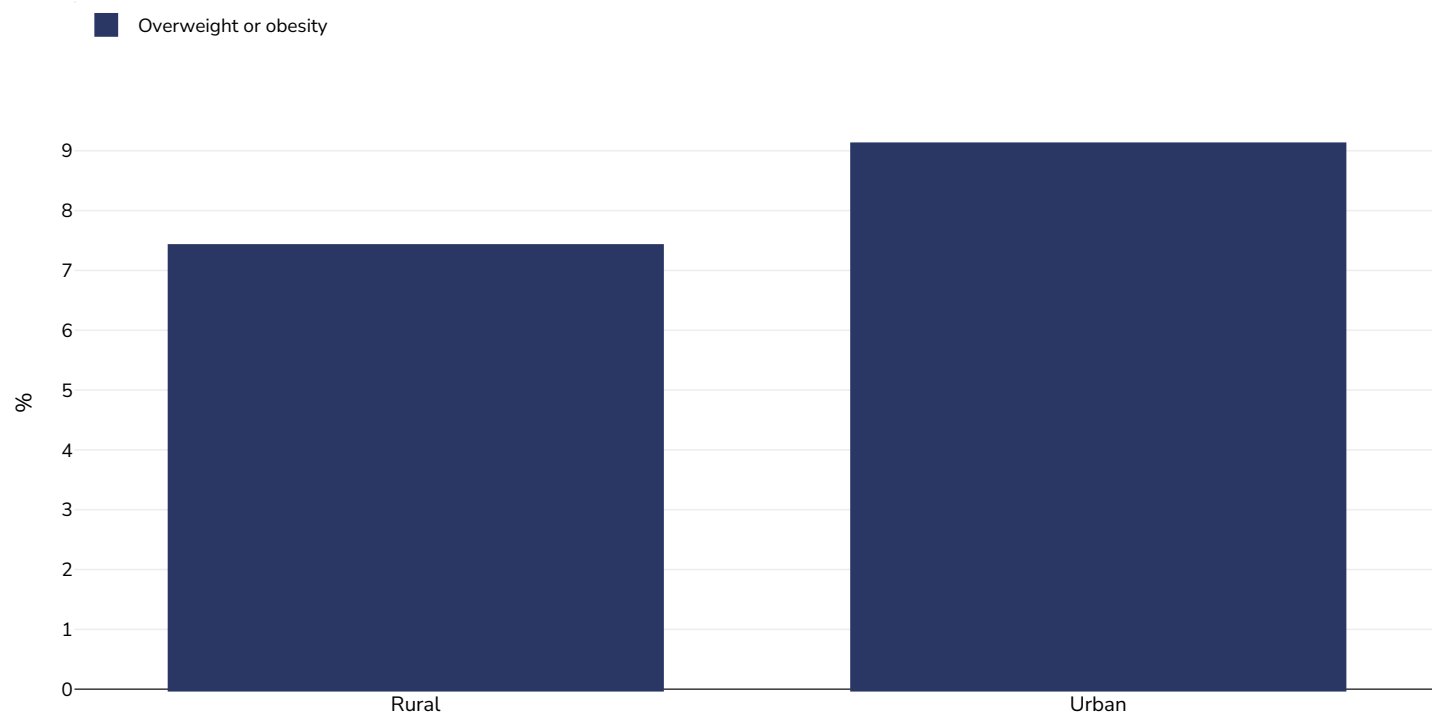
### Girls, 2001



|               |  |
|---------------|--|
| Survey type:  | Measured   |
| Age:          | 15-19  |
| Sample size:  | 2348   |
| Area covered: | National   |
| References:   | Benedict, Rukundo K., Allison Schmale, and Sorrel Namaste. 2018. Adolescent Nutrition 2000-2017: DHS Data on Adolescents Age 15-19. DHS Comparative Report No. 47. Rockville, Maryland, USA: ICF. Encuesta Nicaragüense de Demografía y Salud 2001. Instituto Nacional de Estadísticas y Censos (INEC), Ministerio de Salud (MINSAL). Marco International Inc. Calverton, Maryland USA |
| Definitions:  | BMI for age: between +1 SD and +2 SD is overweight and greater than +2 SD is obesity   |
| Cutoffs:      | WHO 2007   |



## Infants, 2011-2012



Sample size: 10137

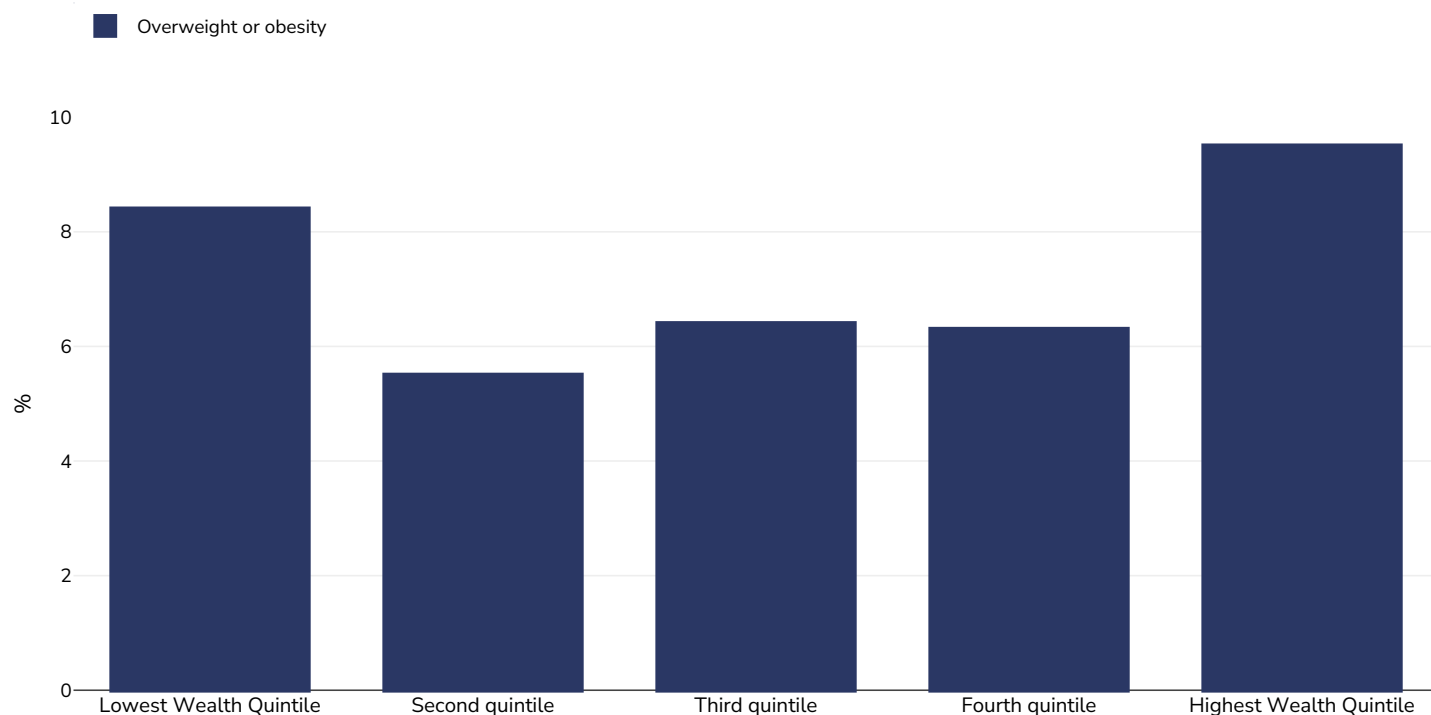
References: Other: Encuesta Nicaragüense de Demografía y Salud 2011/12 - Informe Final

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, 2001



Sample size: 5557

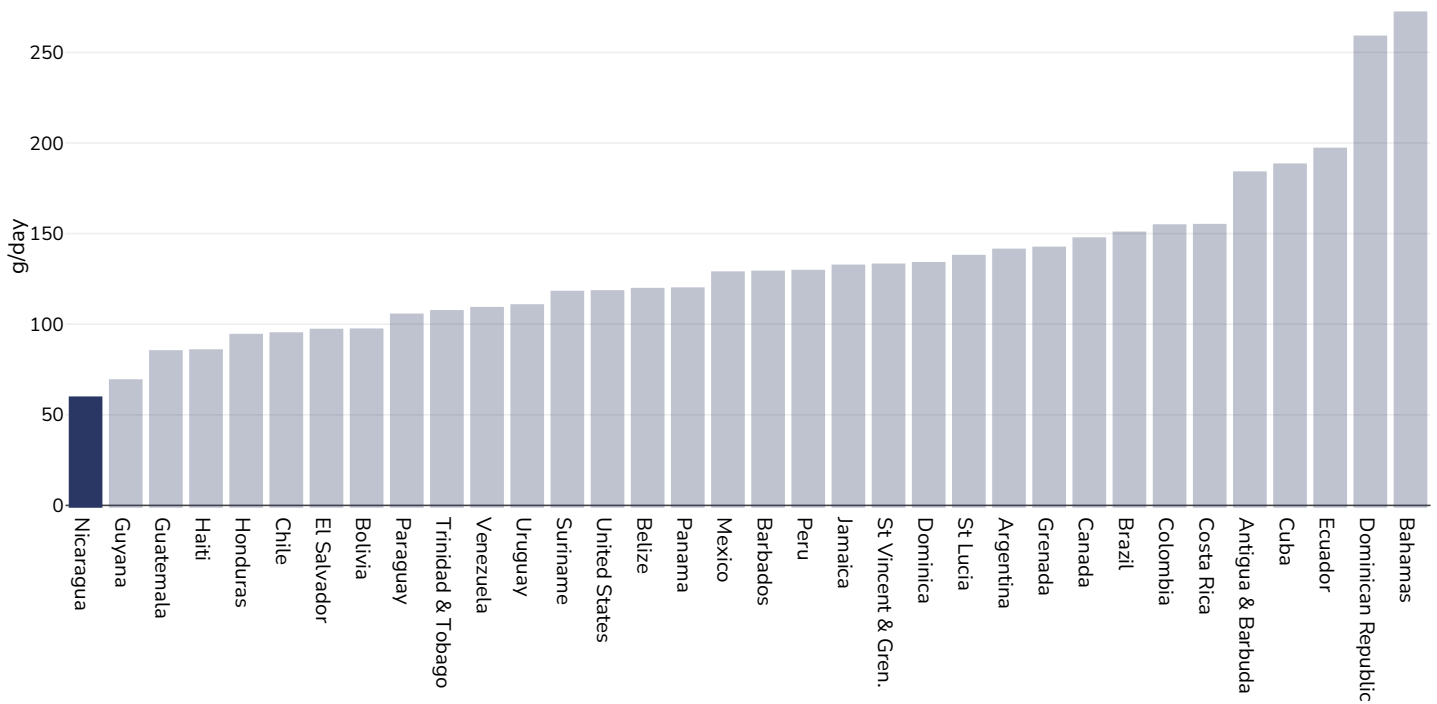
References: DHS: Encuesta nicaragüense de demografía y salud 2001. Demographic and Health Surveys. Calverton, Maryland, USA: INEC, MINSAL, and ORC Macro, 2002

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

## Estimated per capita fruit intake

### Adults, 2017



Survey type:

Measured

Age:

25+

References:

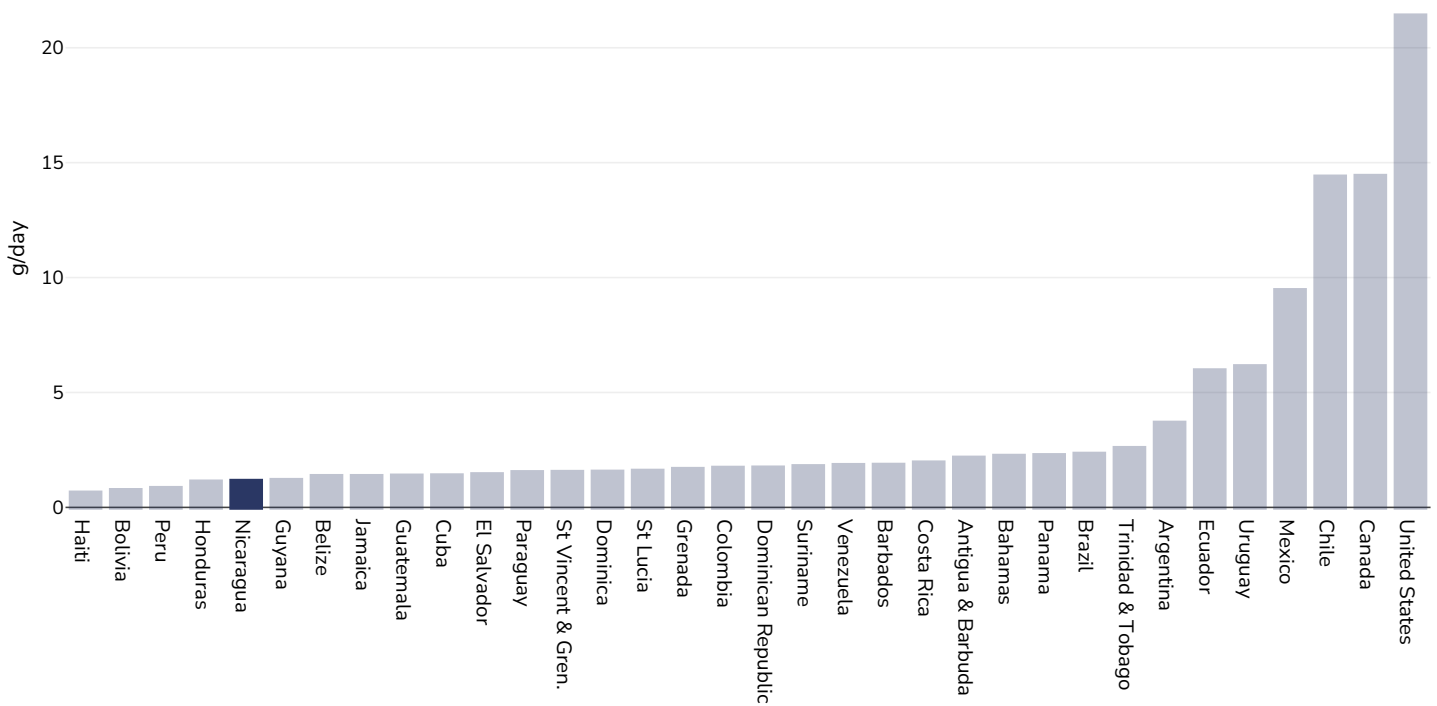
Global Burden of Disease, the Institute for Health Metrics and Evaluation <http://ghdx.healthdata.org/>

Definitions:

Estimated per-capita fruit intake (g/day)

## Estimated per-capita processed meat intake

Adults, 2017



Survey type:

Measured

Age:

25+

References:

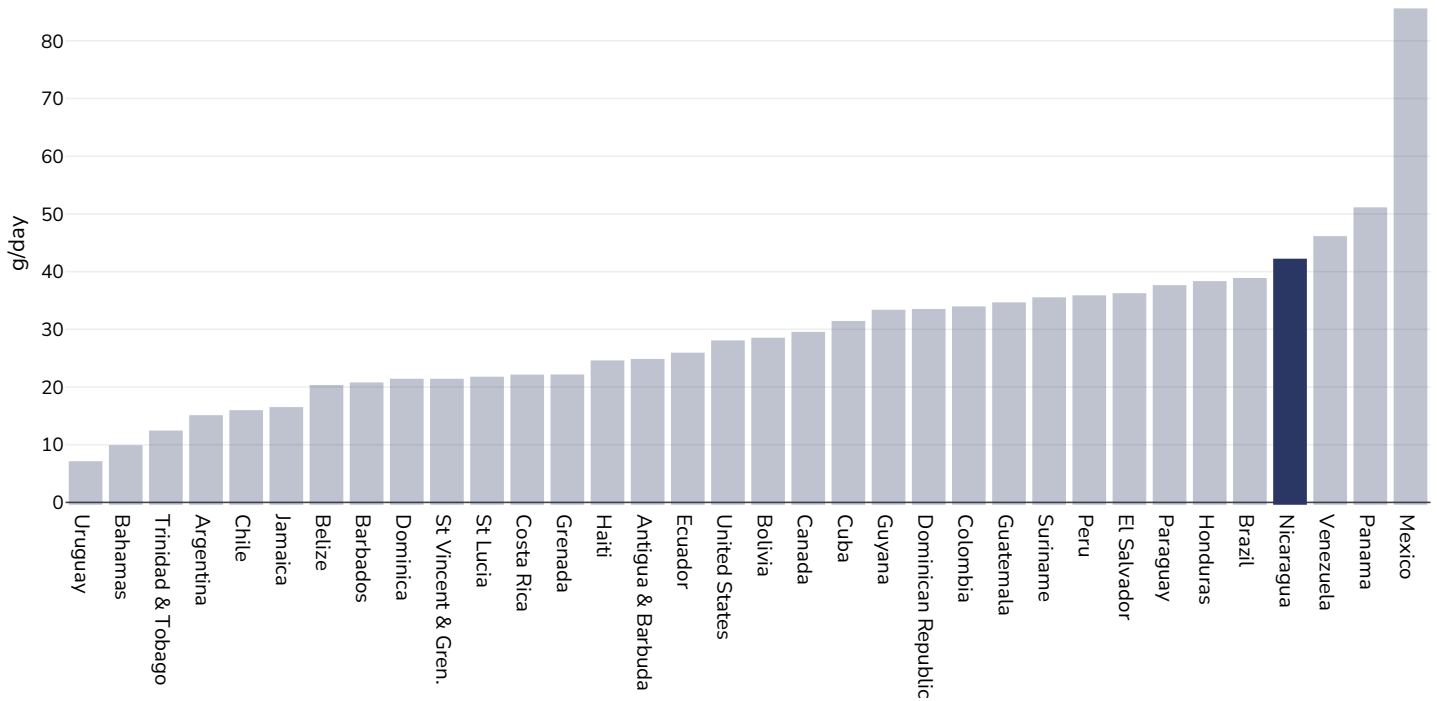
Global Burden of Disease, the Institute for Health Metrics and Evaluation <http://ghdx.healthdata.org/>

Definitions:

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

## Estimated per capita whole grains intake

### Adults, 2017



Survey type:

Measured

Age:

25+

References:

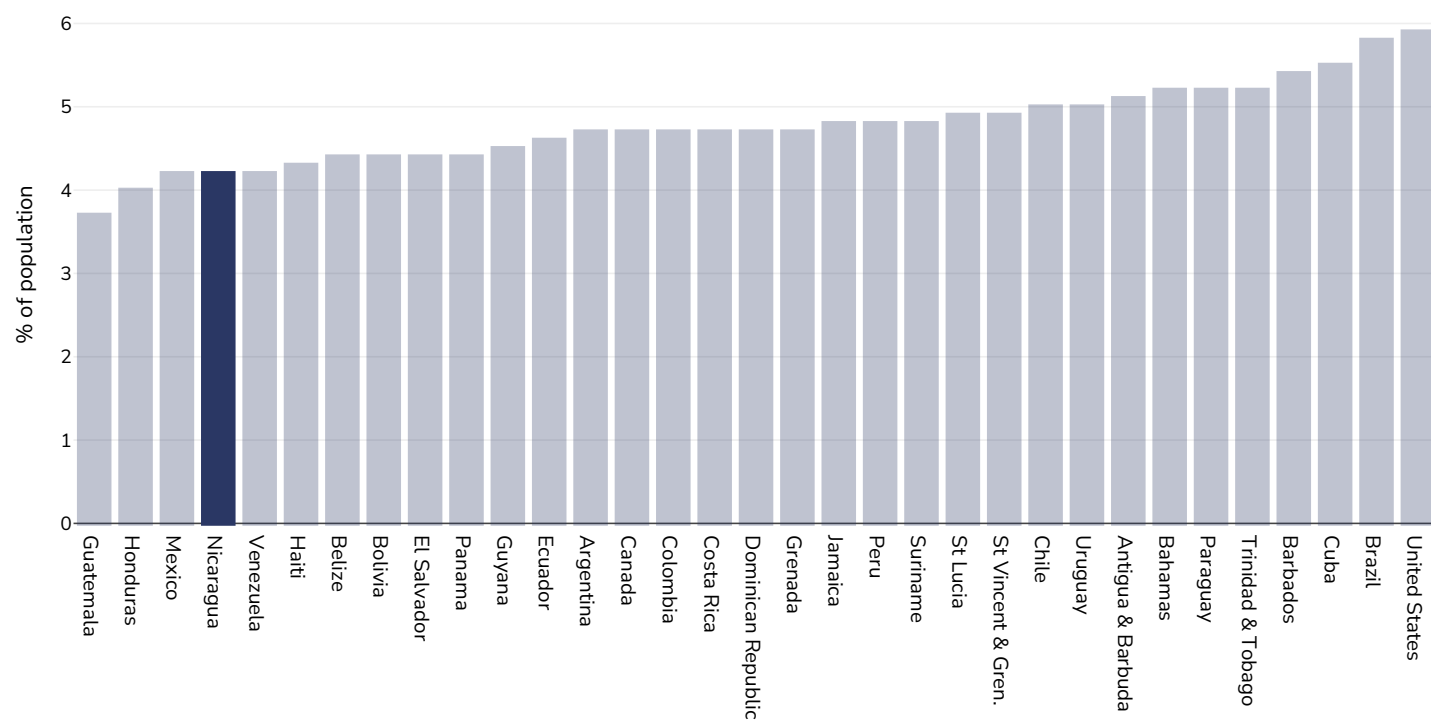
Global Burden of Disease, the Institute for Health Metrics and Evaluation <http://ghdx.healthdata.org/>

Definitions:

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

## Mental health - depression disorders

### Adults, 2015

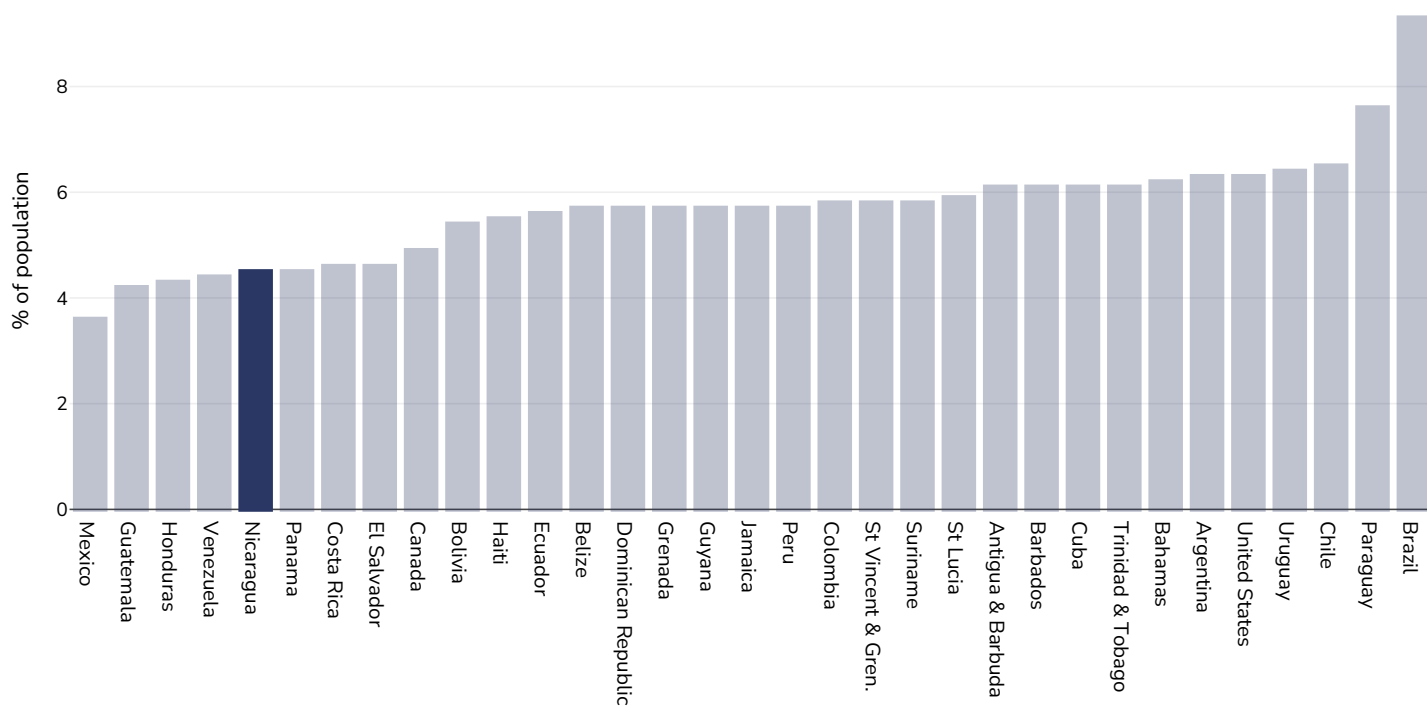


References: Prevalence data from Global Burden of Disease study 2015 (<http://ghdx.healthdata.org>) published in: Depression and Other Common Mental Disorders: Global Health Estimates. Geneva:World Health Organization; 2017. Licence: CC BY-NC-SA 3.0 IGO.

Definitions: % of population with depression disorders

## Mental health - anxiety disorders

Adults, 2015

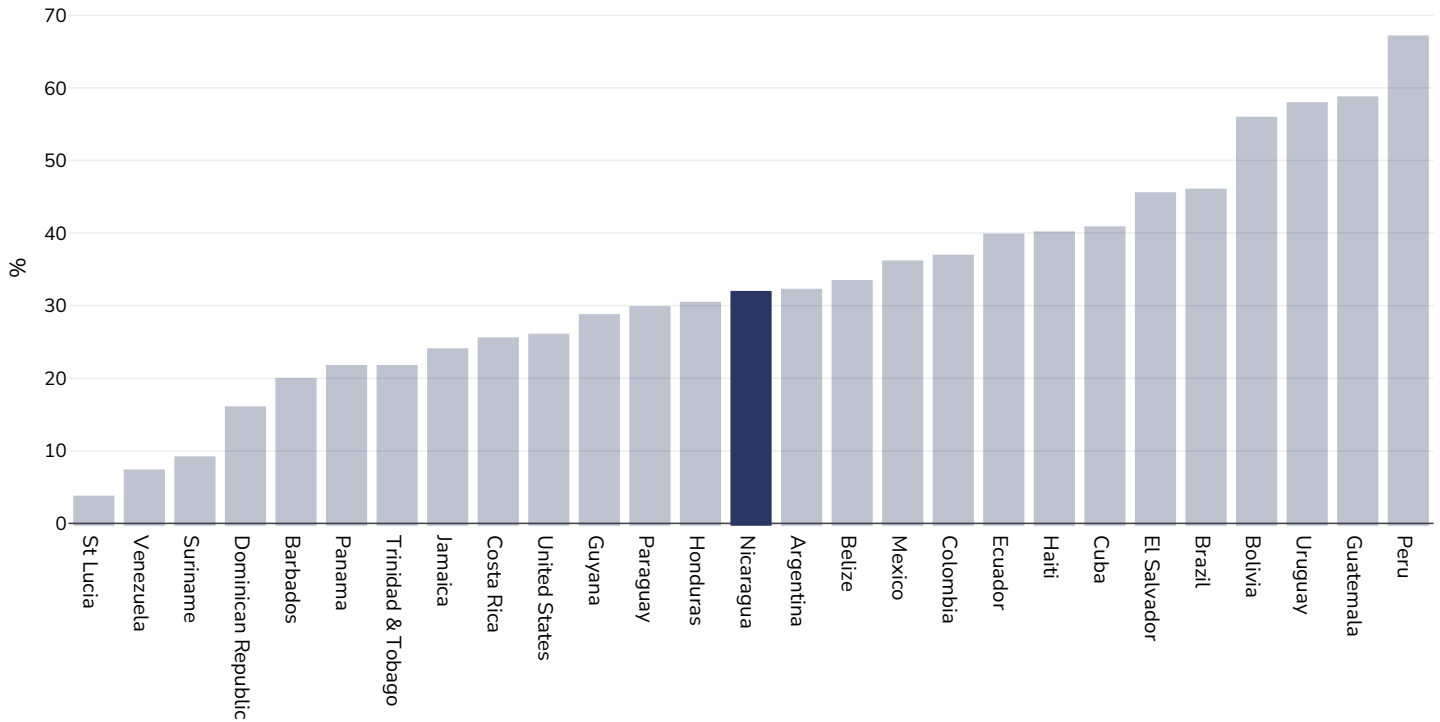


References: Prevalence data from Global Burden of Disease study 2015 (<http://ghdx.healthdata.org>) published in: Depression and Other Common Mental Disorders: Global Health Estimates. Geneva:World Health Organization; 2017. Licence: CC BY-NC-SA 3.0 IGO.

Definitions: % of population with anxiety disorders

## % Infants exclusively breastfed 0-5 months

### Infants, 1998-2022



References:

Encuesta Nicaragüense de Demografía y Salud 2011/12 - Informe Final

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



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Age: 20+

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Area covered: National

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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]

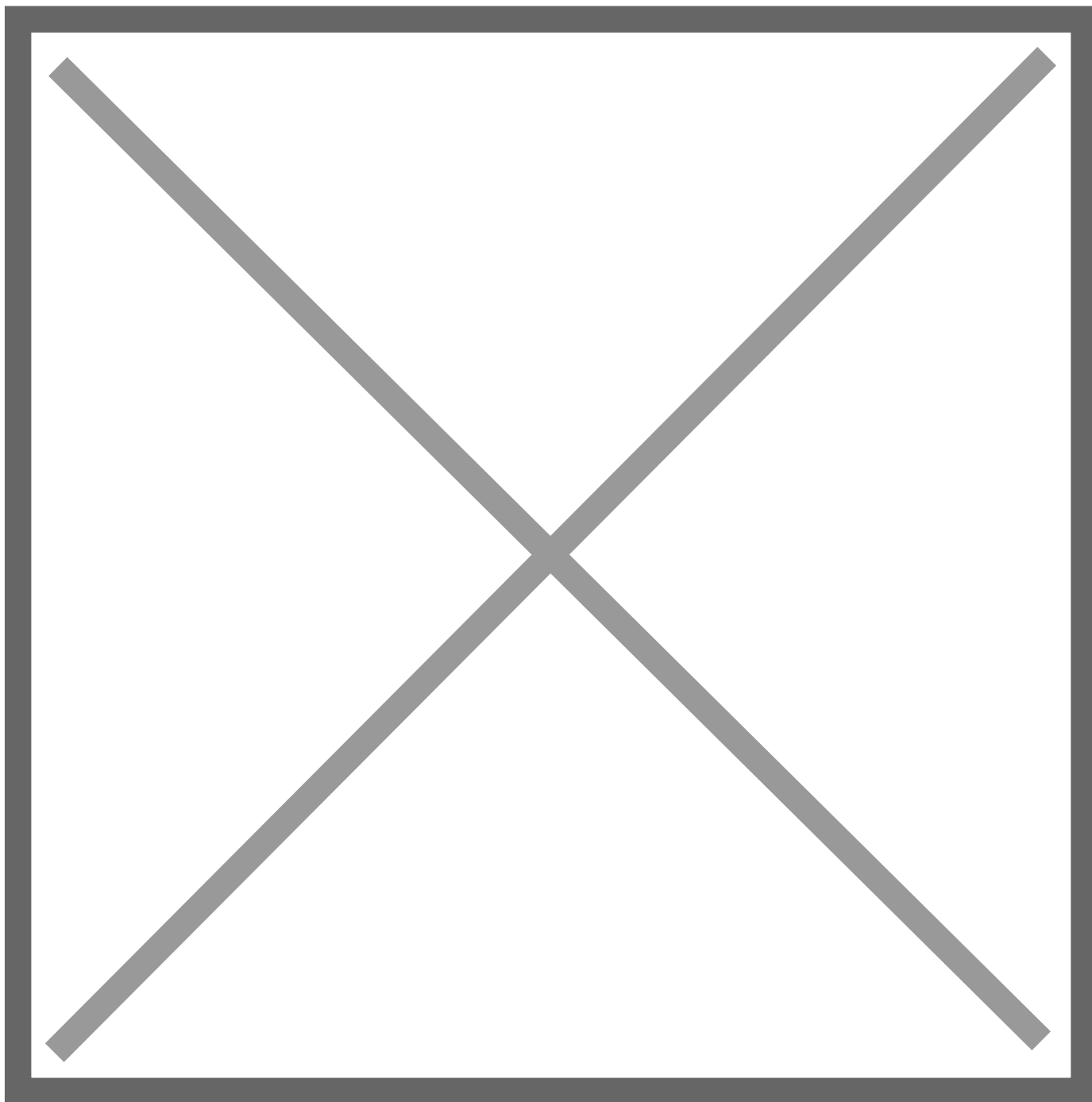
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Definitions:

Indicence per 100,000

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## 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]

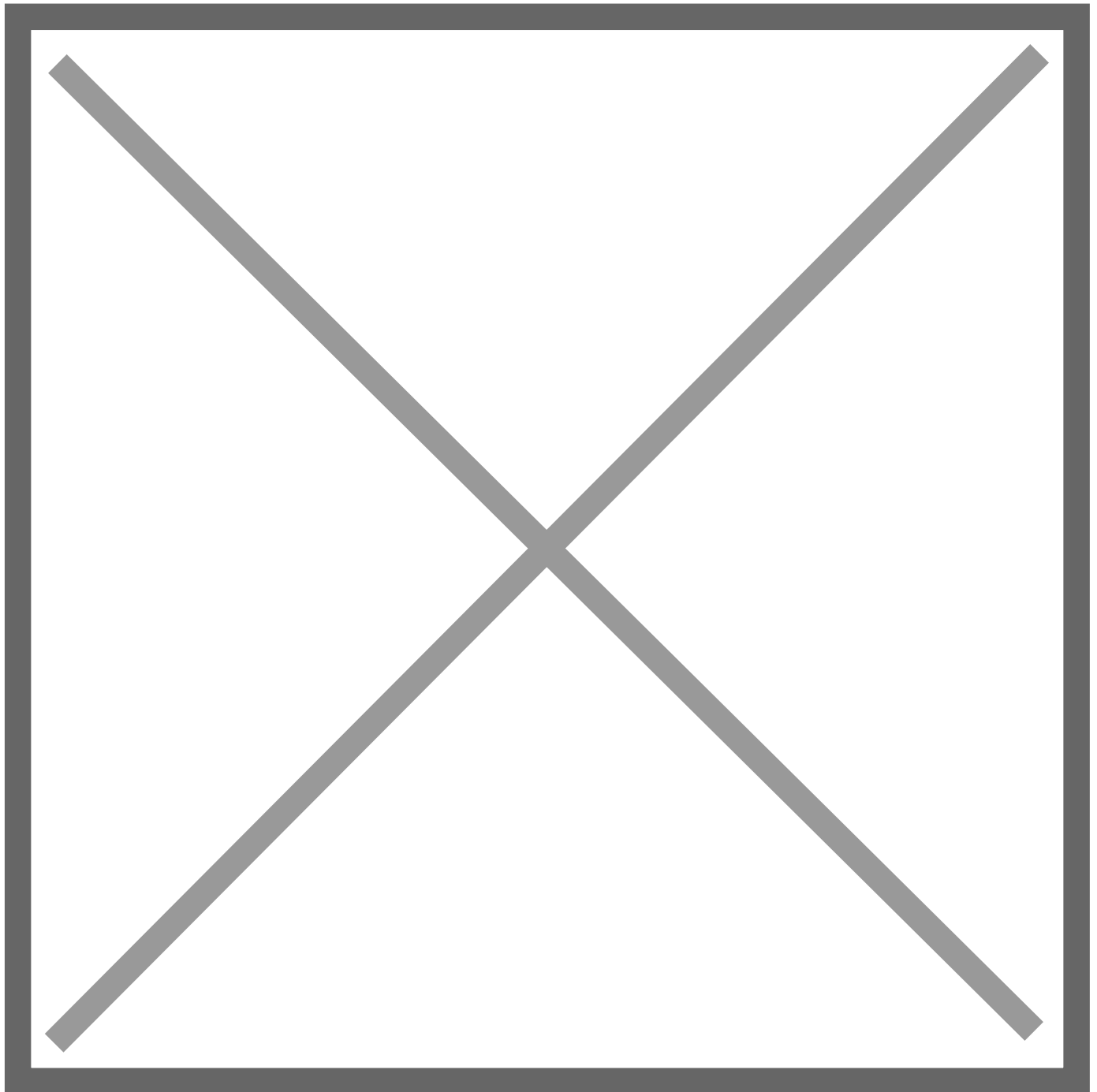
Definitions:

Indicence per 100,000

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## 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

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## Colorectal cancer

Men, 2022



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Age: 20+

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Area covered: National

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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]

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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

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## Pancreatic cancer

Men, 2022



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Age: 20+

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Area covered: National

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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]

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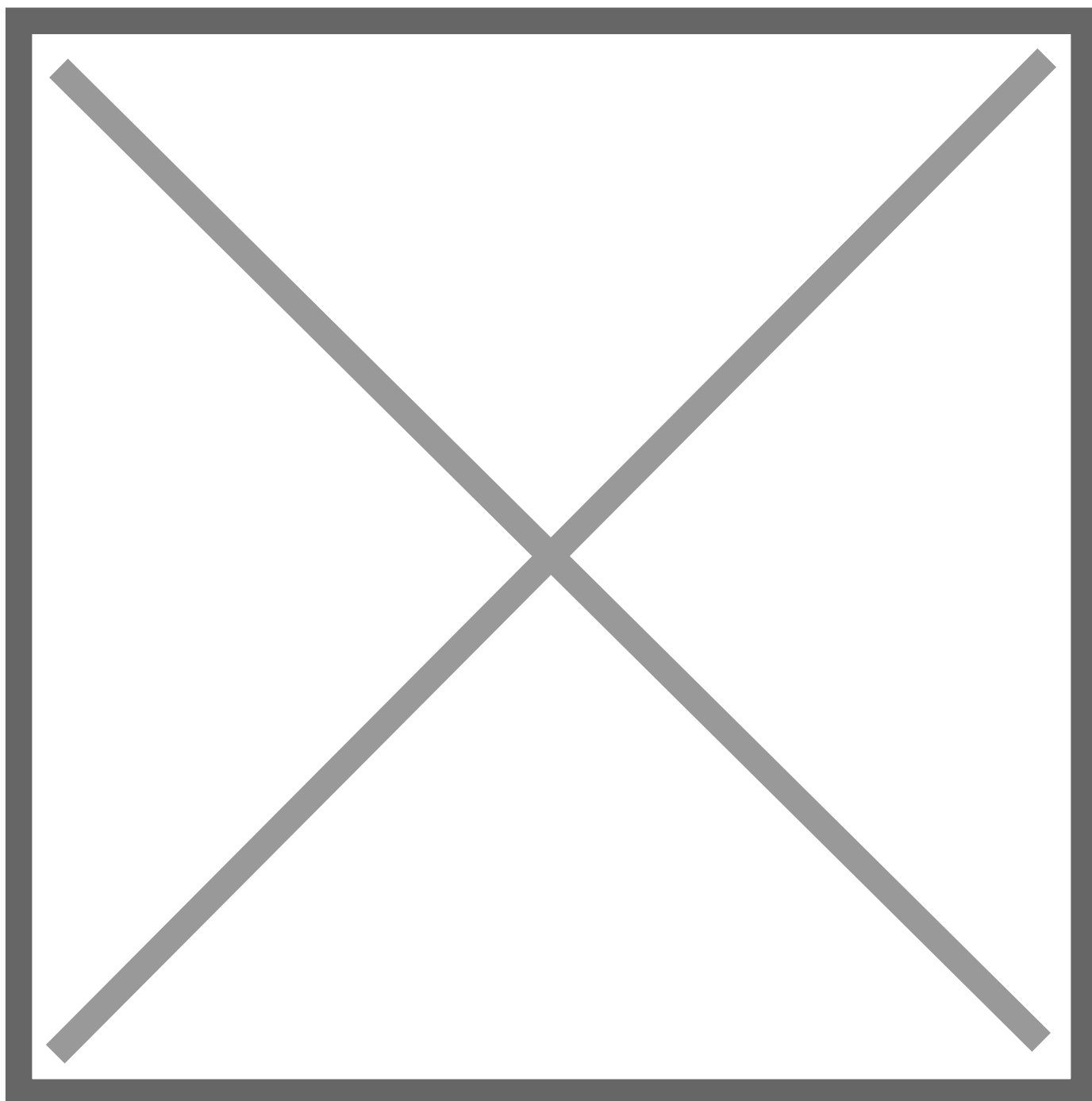
Definitions:

Incidence per 100,000

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## 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

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## Gallbladder cancer

Men, 2022



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Age: 20+

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Area covered: National

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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:

Indicence per 100,000

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## 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:

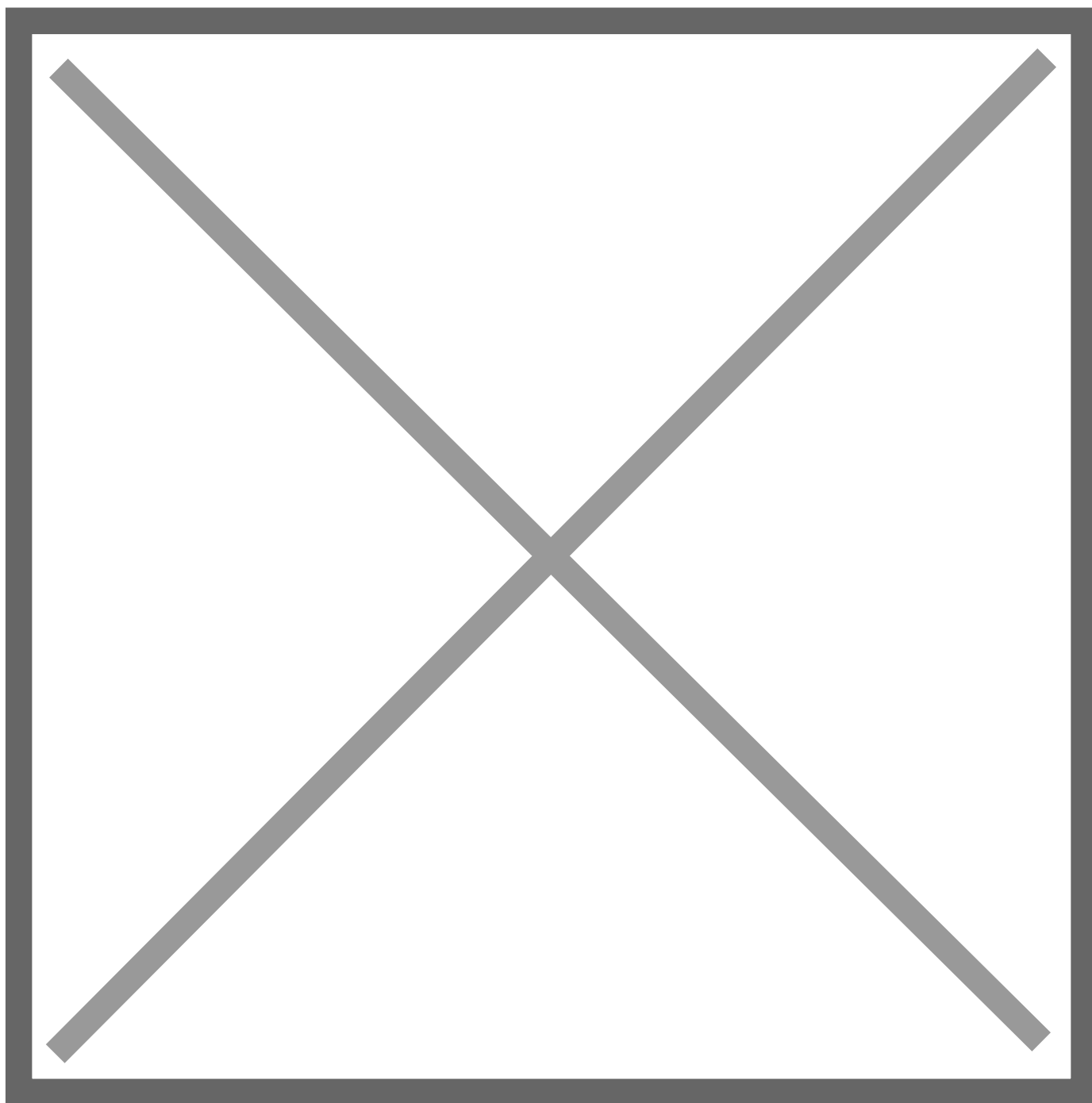
Indicence per 100,000

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## Kidney cancer



Men, 2022



Age: 20+

Area covered: National

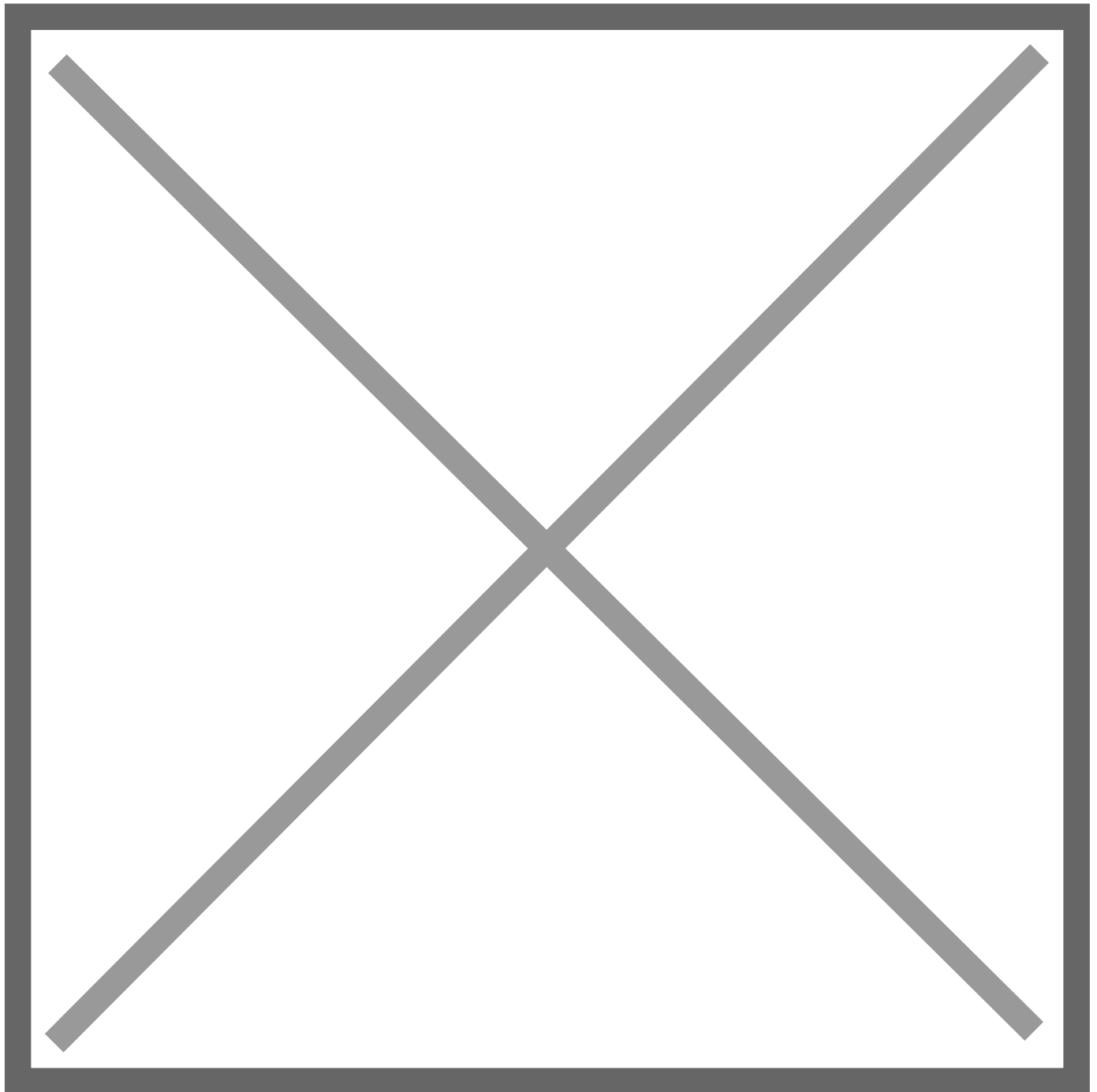
References: Ferlay J, Ervik M, Lam F, Laversanne M, Colombet M, Mery L, Piñeros M, Znaor A, Soerjomataram I, Bray F (2024). Global Cancer Observatory: Cancer Today. Lyon, France: International Agency for Research on Cancer. Available from: <https://gco.iarc.who.int/today>, accessed [16.07.24]

Definitions:

Incidence per 100,000

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## Women, 2022



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Age: 20+

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Area covered: National

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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]

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Definitions:

Incidence per 100,000

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## Cancer of the uterus

## Women, 2022



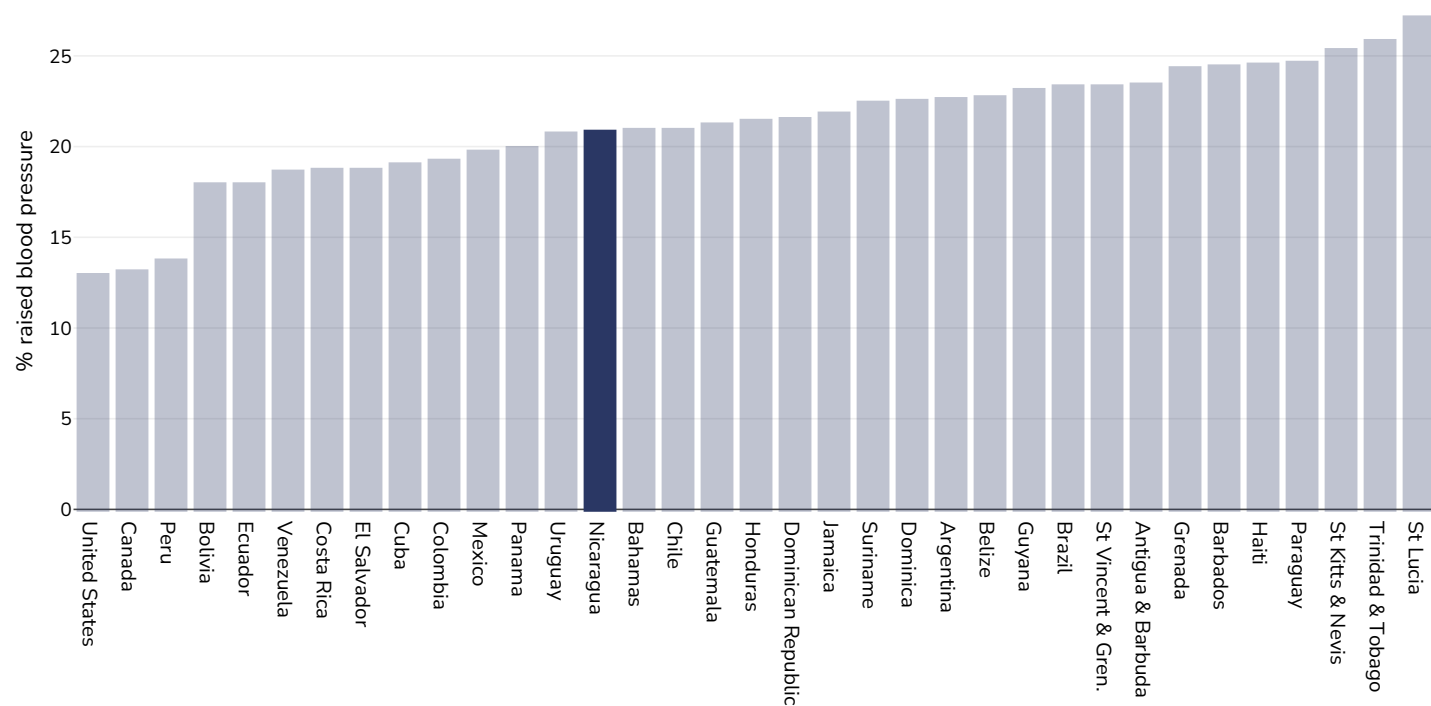
Age: 20+

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



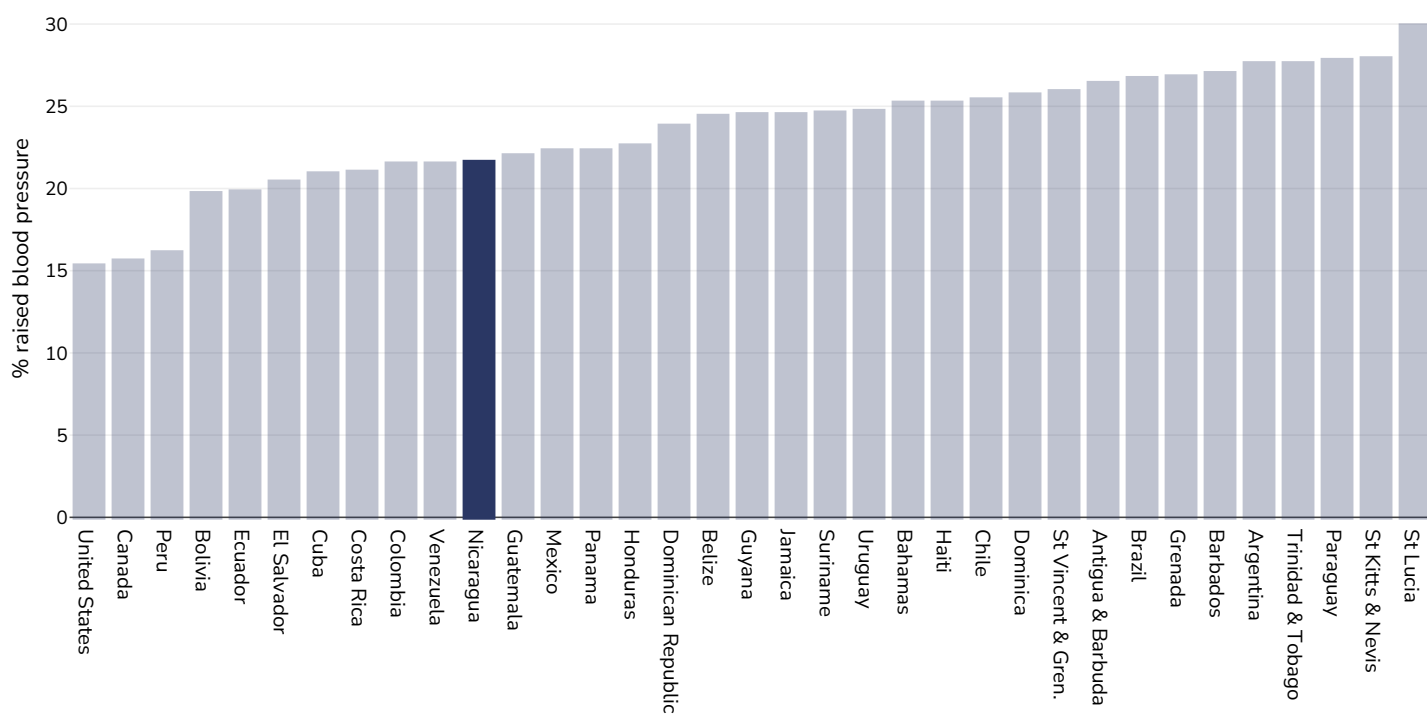
References:

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:

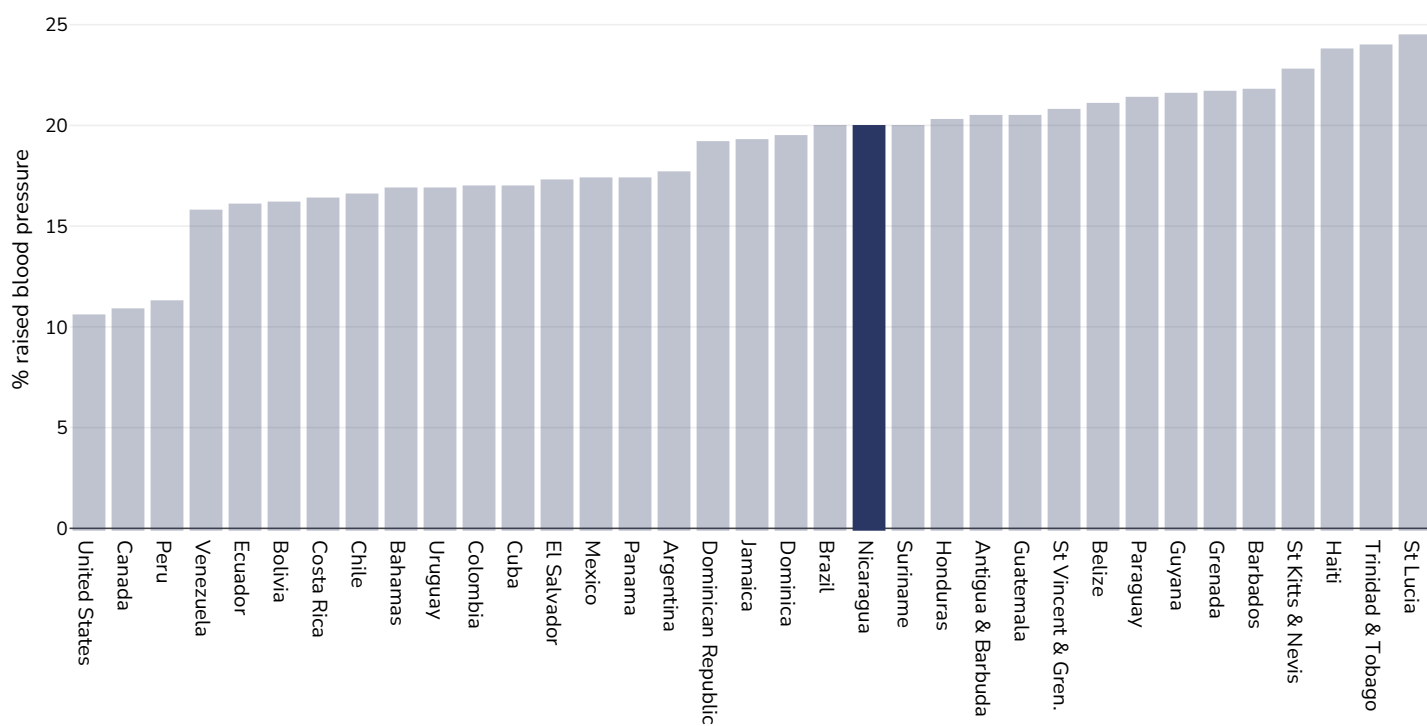
Global Health Observatory data repository, World Health Organisation,  
<http://apps.who.int/gho/data/node.main.A875?lang=en>

Definitions:

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



## Women, 2015



References:

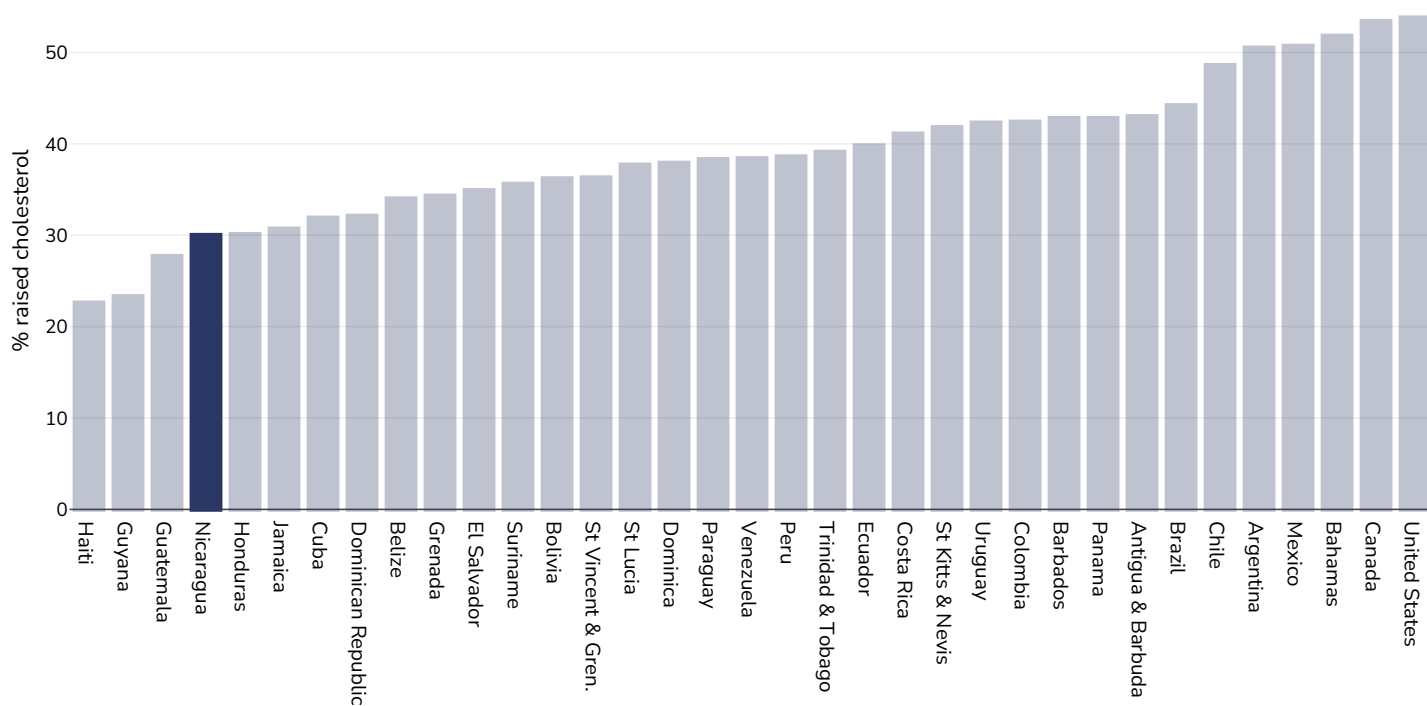
Global Health Observatory data repository, World Health Organisation,  
<http://apps.who.int/gho/data/node.main.A875?lang=en>

Definitions:

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

## Raised cholesterol

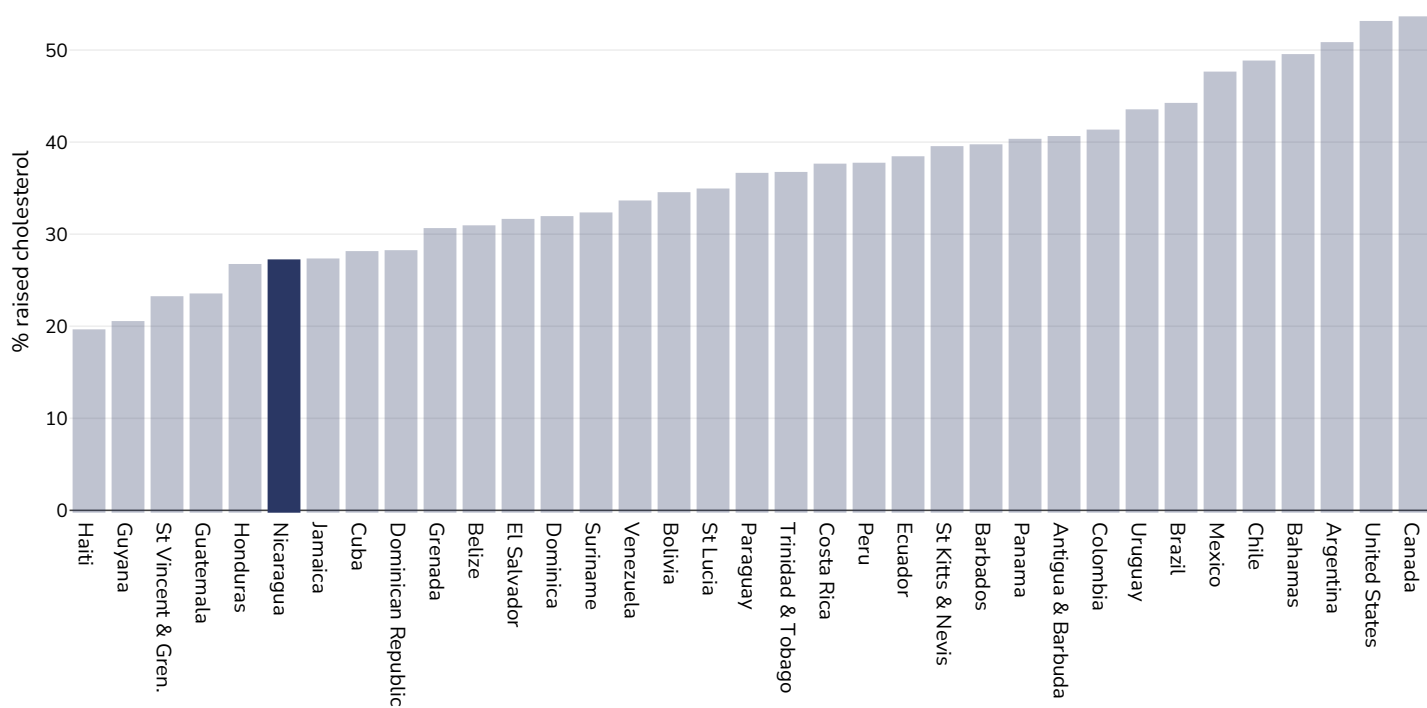
Adults, 2008



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

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

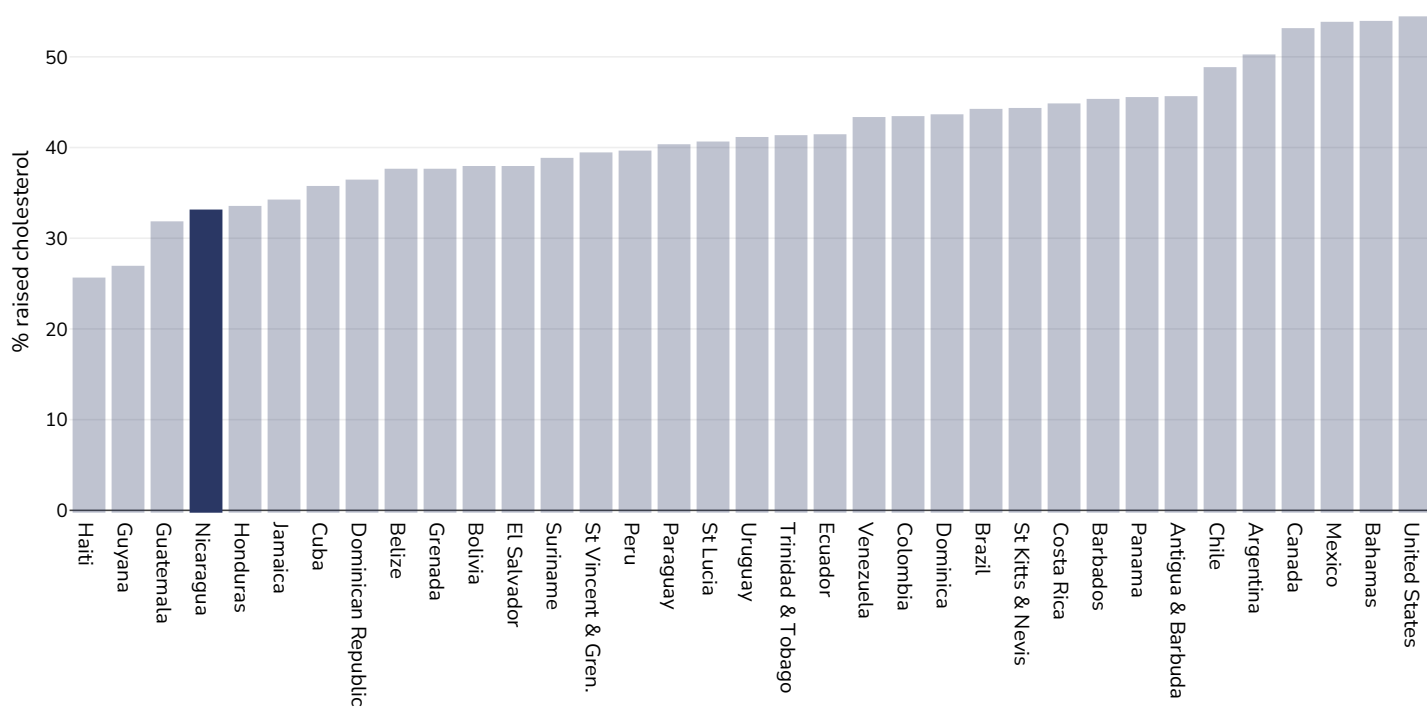
## Men, 2008



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

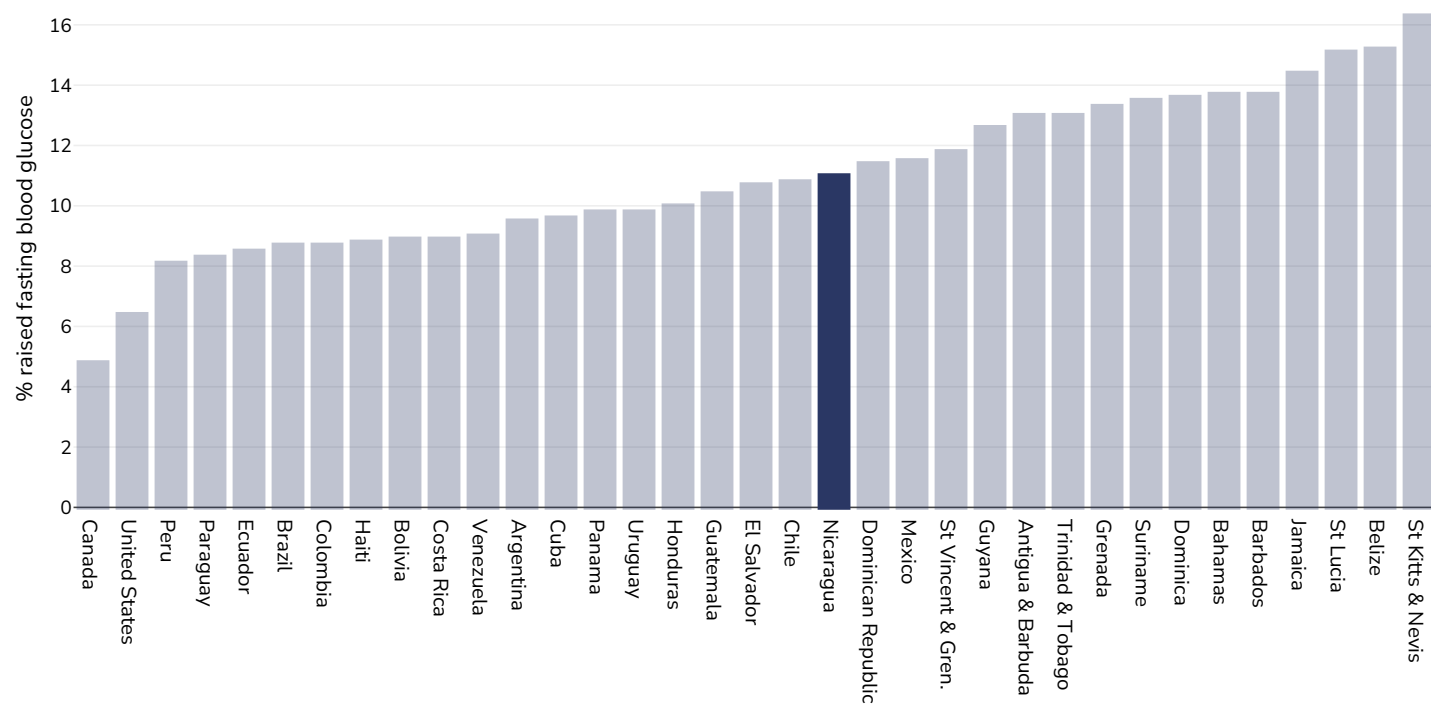


References: Global Health Observatory data repository, World Health Organisation, <http://apps.who.int/gho/data/node.main.A885>

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

## Raised fasting blood glucose

### Men, 2014



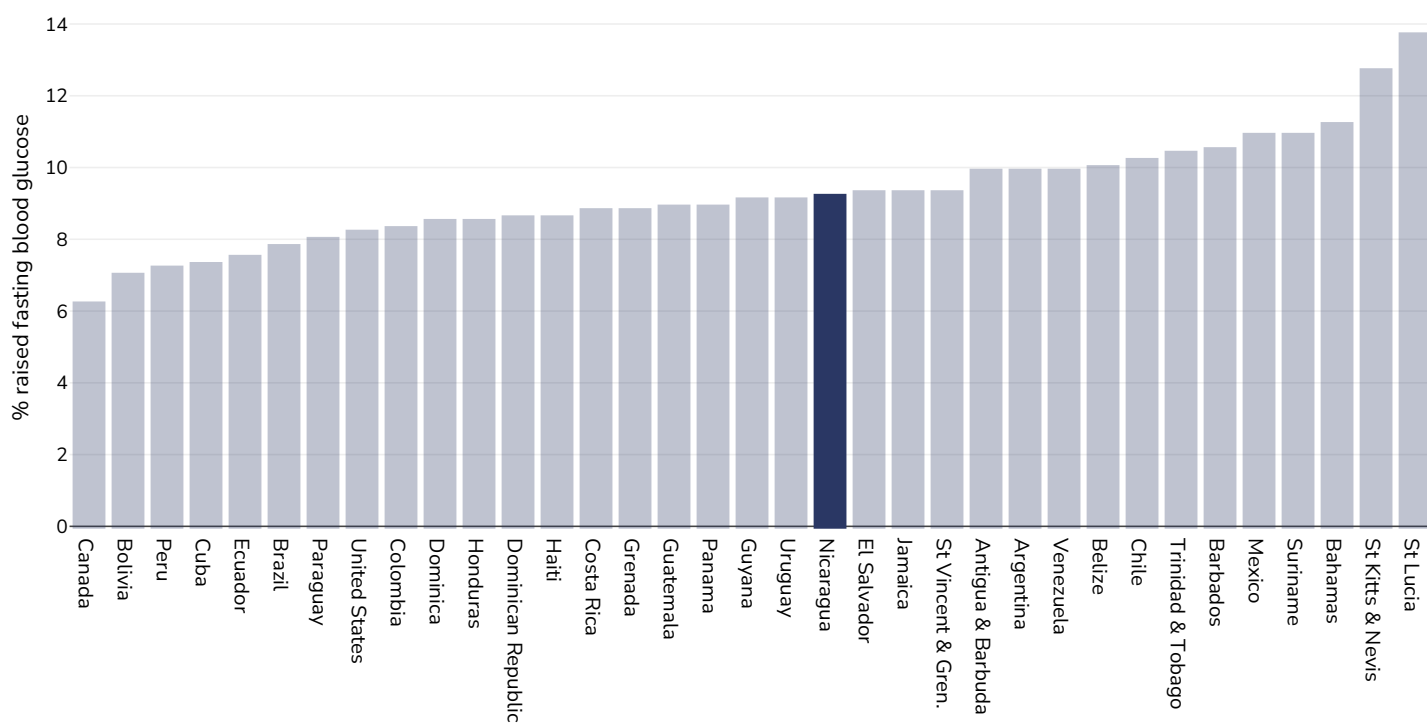
References:

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:

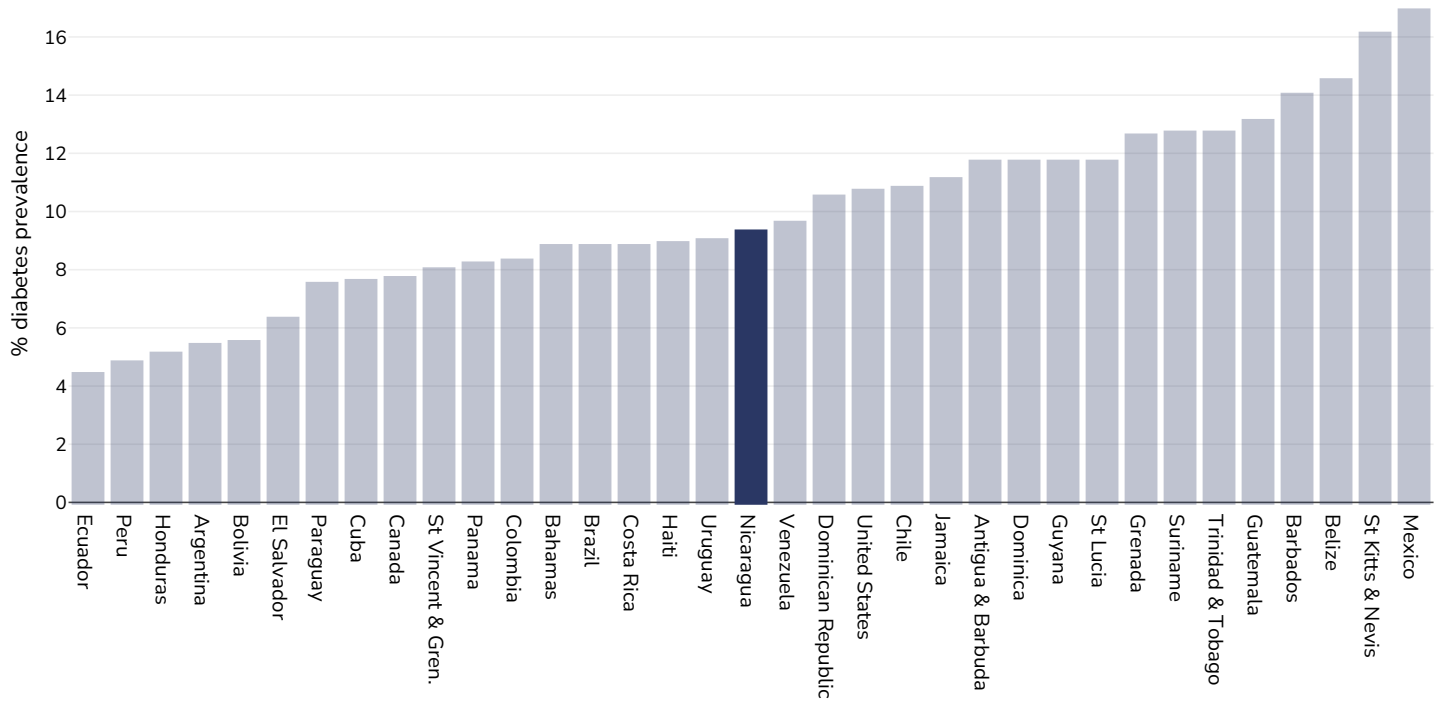
Global Health Observatory data repository, World Health Organisation,  
<http://apps.who.int/gho/data/node.main.A869?lang=en>

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, %

## 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

|  |  |
|--|--|
| <b>Is there mandatory nutrition labelling?</b> |  |
| Front-of-package labelling?                    |  |
| 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?                      | ✗ |
| <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)? | ? |
|---|---|

### Key

✓ Present

✓<sub>v</sub> Present

(voluntary)

✓ Incoming

✗ Absent

? Unknown

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