

# Report card

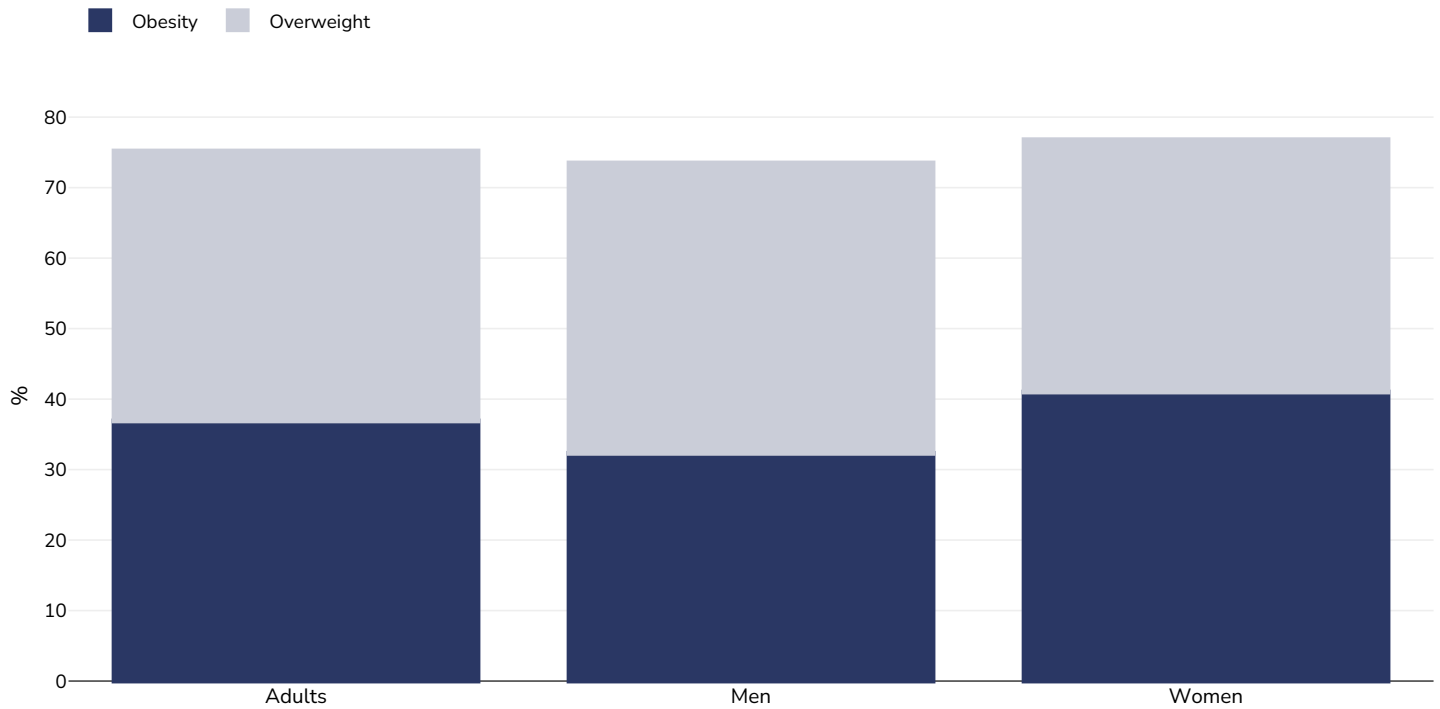
## Mexico



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## Obesity prevalence

### Adults, 2022

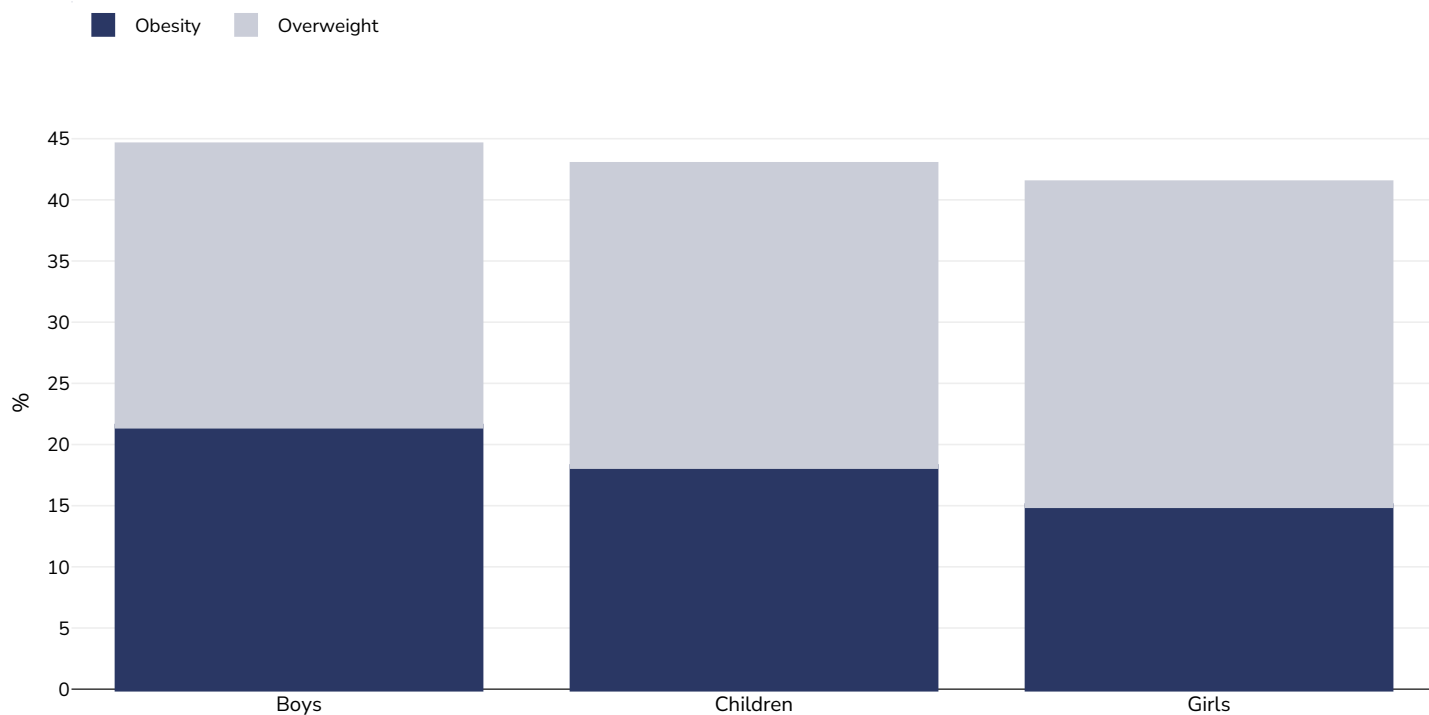


Survey type:	Measured
Age:	20+
Sample size:	8563
Area covered:	National

References: Campos-Nonato I, Galván-Valencia O, Hernández-Barrera L, Oviedo-Solís C, Barquera S. Prevalence of obesity and associated risk factors in Mexican adults: results of the Ensanut 2022. *Salud Publica Mex.* 2023;65(supl 1): S238-S247. <https://doi.org/10.21149/14809>. Available at <https://saludpublica.mx/index.php/spm/article/view/14809/12424> (last accessed 11.12.23)

*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

Age: 12-19

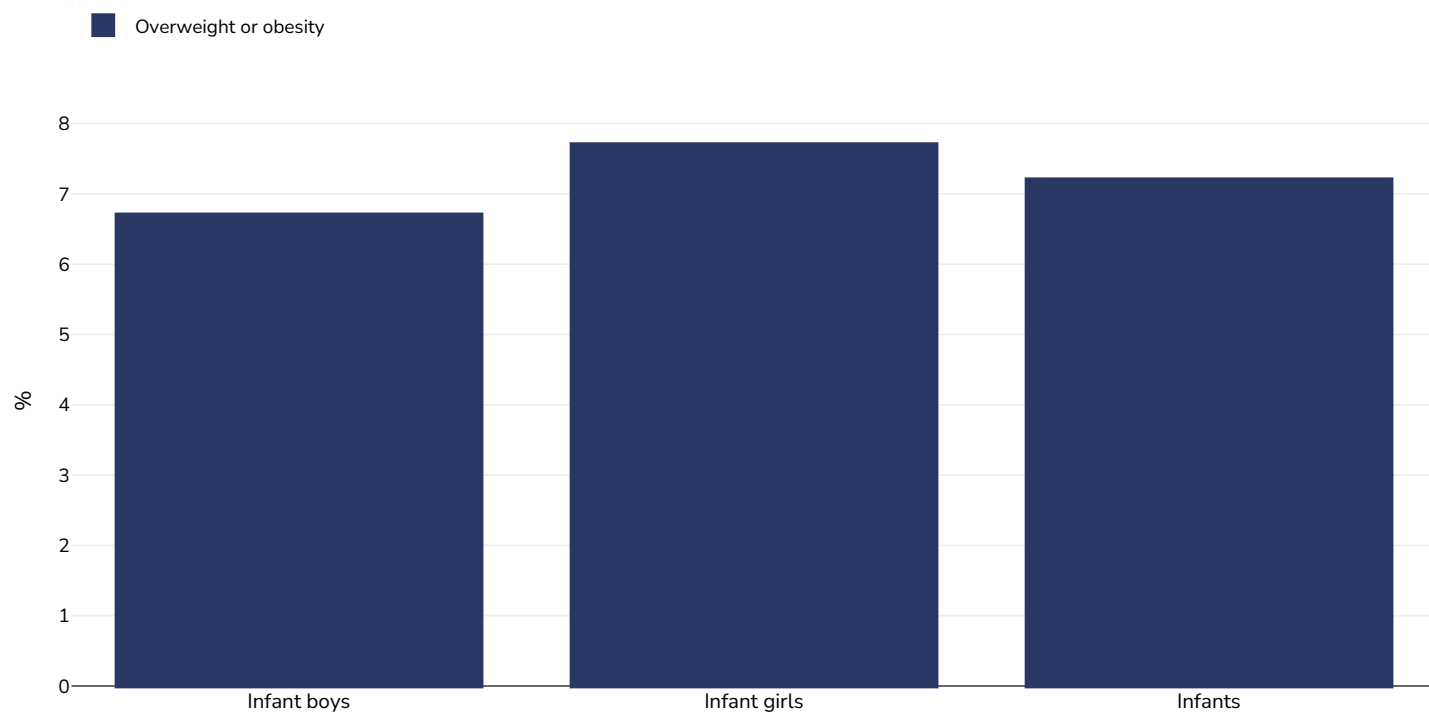
Sample size: 2230

Area covered: National

References: Shamah-Levy T, Romero-Martínez M, Barrientos-Gutiérrez T, Cuevas-Nasu L, Bautista-Arredondo S, Colchero MA, Gaona-Pineda EB, Lazcano-Ponce E, Martínez-Barnetche J, Alpuche-Arana C, Rivera-Dommarco J. Encuesta Nacional de Salud y Nutrición 2021 sobre Covid-19. Resultados nacionales. Cuernavaca, México: Instituto Nacional de Salud Pública, 2022. <https://ensanut.insp.mx/encuestas/ensanutcontinua2021/informes.php> (Accessed 03.01.2023)

Cutoffs: WHO 2007

## Infants, 2021



Age: 0-5

Sample size: 9771967

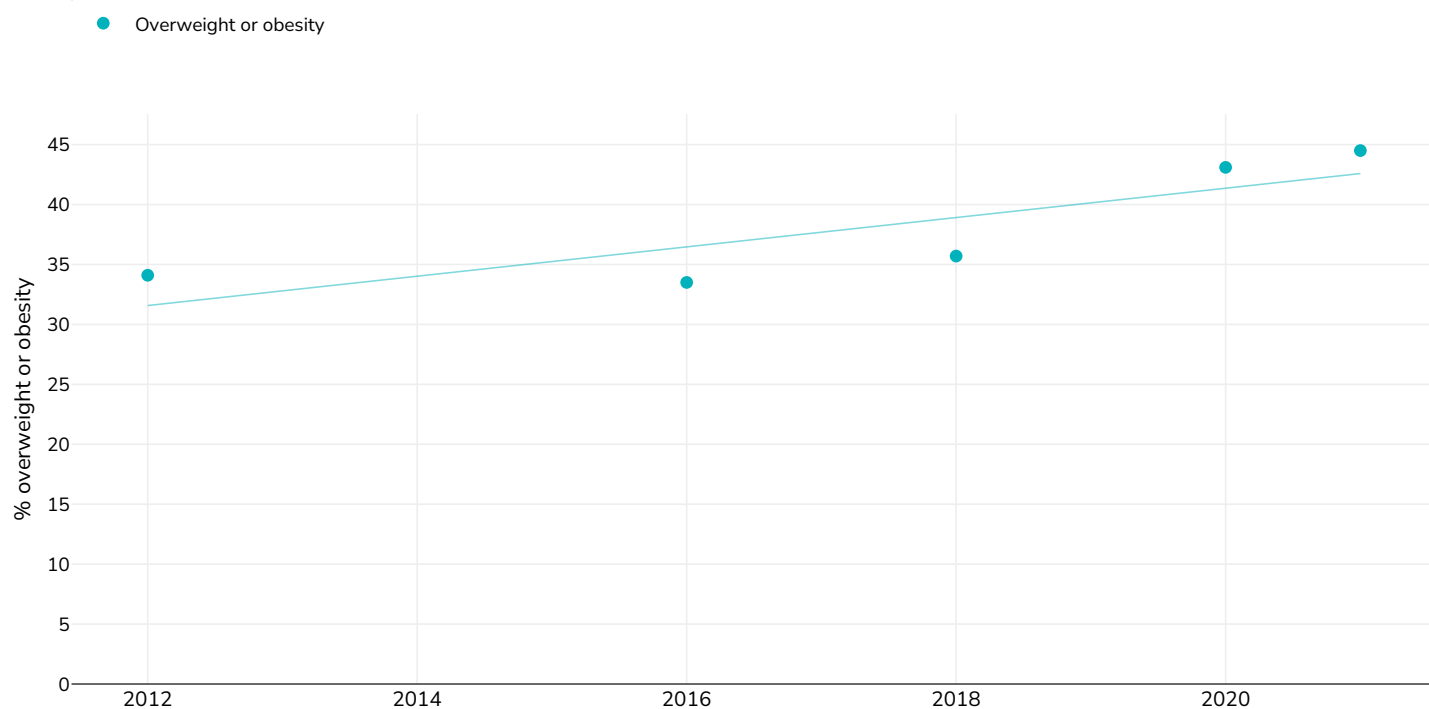
References: Other: Encuesta Nacional de Salud y Nutrición Continua, Mexico 2021

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

**% 12-19 year old children living with overweight or obesity in Mexico 2012-2021**

## Boys



Survey type: Measured

References:

2012: ENSANUT 2012, <https://ensanut.insp.mx/encuestas/ensanut2012/doctos/informes/ENSANUT2012ResultadosNacionales.pdf> (Accessed 15.12.20)

2016: Shamah-Levy T, Cuevas-Nasu L, Gaona-Pineda EB, Gómez-Acosta LM, Morales-Ruán MC, Hernández-Ávila M, Rivera-Dommarco JA. Overweight and obesity in children and adolescents, 2016 Halfway National Health and Nutrition Survey update. *Salud Publica Mex* 2018;60:244-253.

2018: Encuesta Nacional de Salud y Nutrición 2018. <https://ensanut.insp.mx/encuestas/ensanut2018/informes.php> (Accessed 15.12.20)

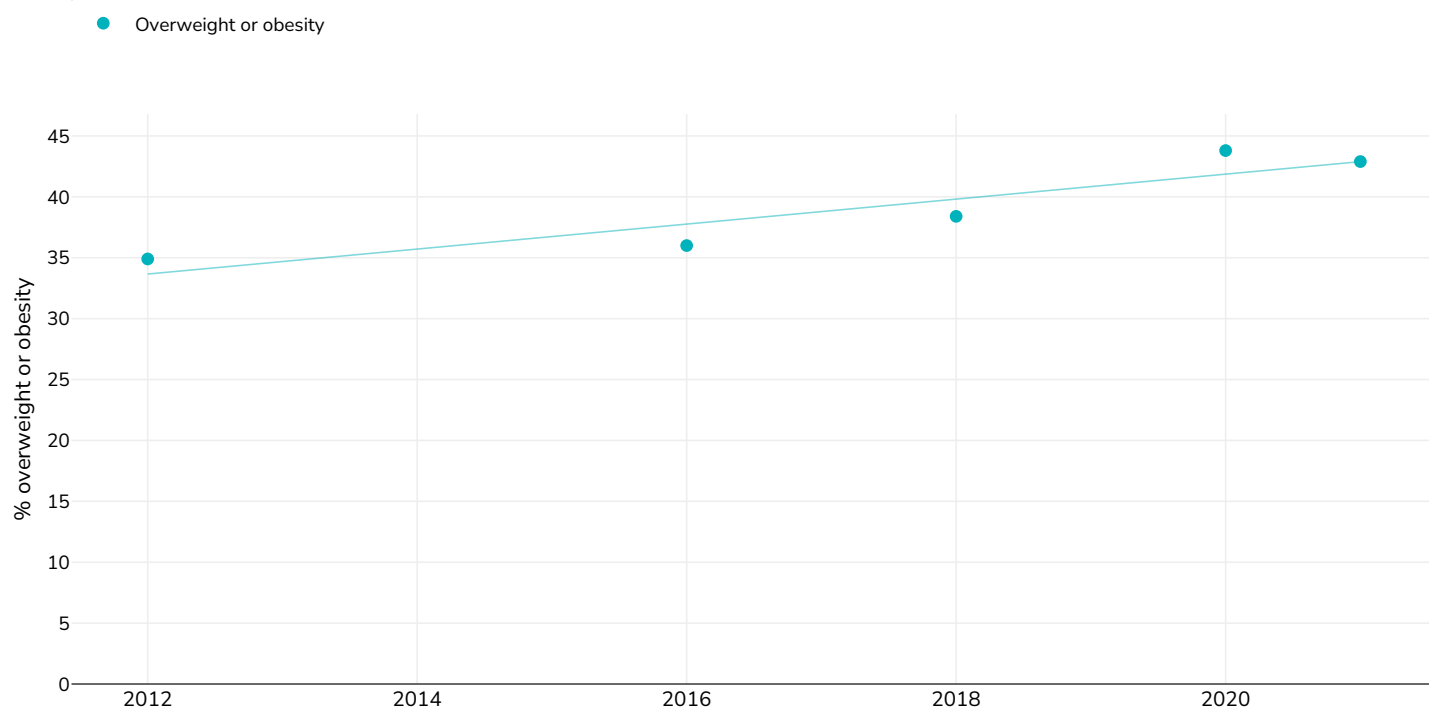
2020: Shamah-Levy T, Romero-Martínez M, Barrientos-Gutiérrez T, Cuevas-Nasu L, Bautista-Arredondo S, Colchero MA, Gaona-Pineda EB, Lazcano-Ponce E, Martínez-Barnetche J, Alpuche-Arana C, Rivera-Dommarco J. Encuesta Nacional de Salud y Nutrición 2020 sobre Covid-19. Resultados nacionales. Cuernavaca, México: Instituto Nacional de Salud Pública, 2021. <https://ensanut.insp.mx/encuestas/ensanutcontinua2020/doctos/informes/ensanutCovid19ResultadosNacionales.pdf> (Accessed 11.01.2022)

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Notes: Aged 12-19

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## Boys and girls



Survey type: Measured

References:

2012: ENSANUT 2012, <https://ensanut.insp.mx/encuestas/ensanut2012/doctos/informes/ENSANUT2012ResultadosNacionales.pdf> (Accessed 15.12.20)

2016: Shamah-Levy T, Cuevas-Nasu L, Gaona-Pineda EB, Gómez-Acosta LM, Morales-Ruán MC, Hernández-Ávila M, Rivera-Dommarco JA. Overweight and obesity in children and adolescents, 2016 Halfway National Health and Nutrition Survey update. *Salud Publica Mex* 2018;60:244-253.

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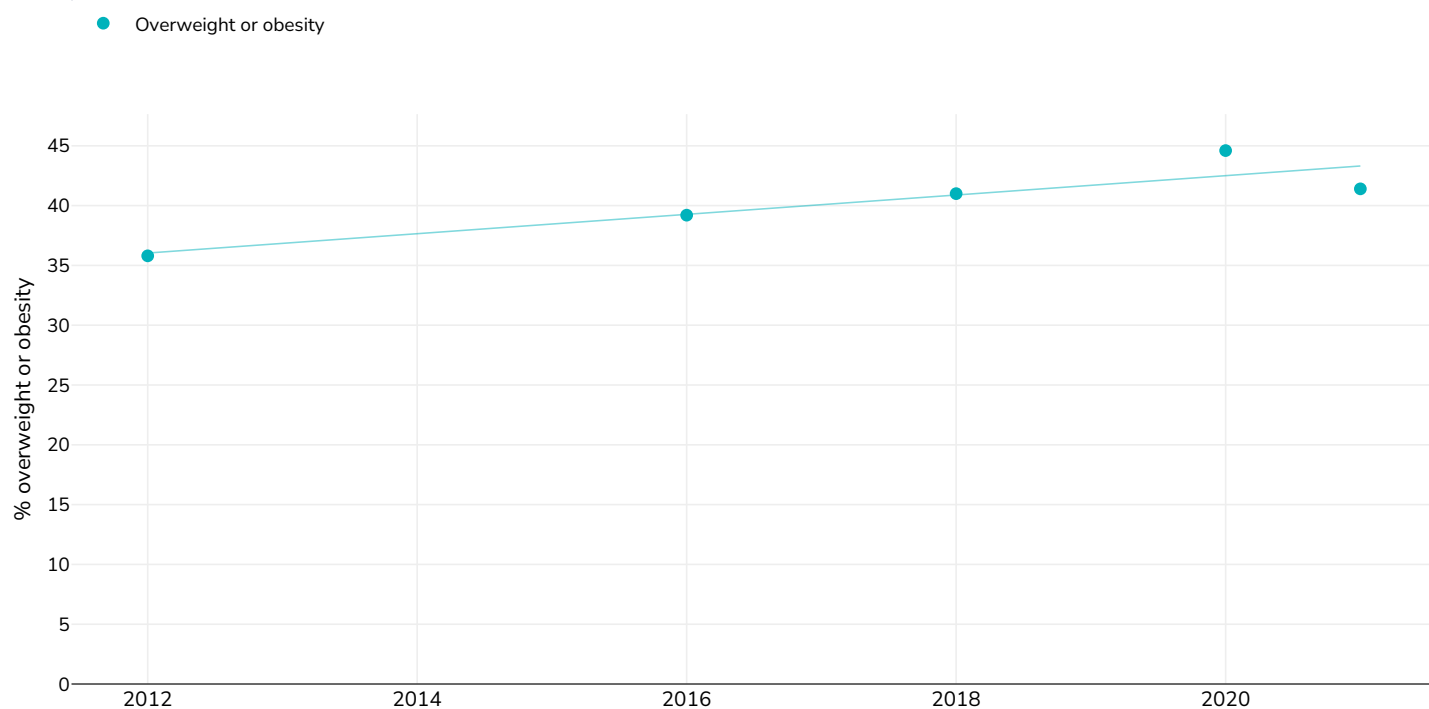
2020: Shamah-Levy T, Romero-Martínez M, Barrientos-Gutiérrez T, Cuevas-Nasu L, Bautista-Arredondo S, Colchero MA, Gaona-Pineda EB, Lazcano-Ponce E, Martínez-Barnette J, Alpuche-Arana C, Rivera-Dommarco J. Encuesta Nacional de Salud y Nutrición 2020 sobre Covid-19. Resultados nacionales. Cuernavaca, México: Instituto Nacional de Salud Pública, 2021. <https://ensanut.insp.mx/encuestas/ensanutcontinua2020/doctos/informes/ensanutCovid19ResultadosNacionales.pdf> (Accessed 11.01.2022)

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Notes: Aged 12-19

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## Girls



Survey type: Measured

References:

2012: ENSANUT 2012, <https://ensanut.insp.mx/encuestas/ensanut2012/doctos/informes/ENSANUT2012ResultadosNacionales.pdf> (Accessed 15.12.20)

2016: Shamah-Levy T, Cuevas-Nasu L, Gaona-Pineda EB, Gómez-Acosta LM, Morales-Ruán MC, Hernández-Ávila M, Rivera-Dommarco JA. Overweight and obesity in children and adolescents, 2016 Halfway National Health and Nutrition Survey update. *Salud Publica Mex* 2018;60:244-253.

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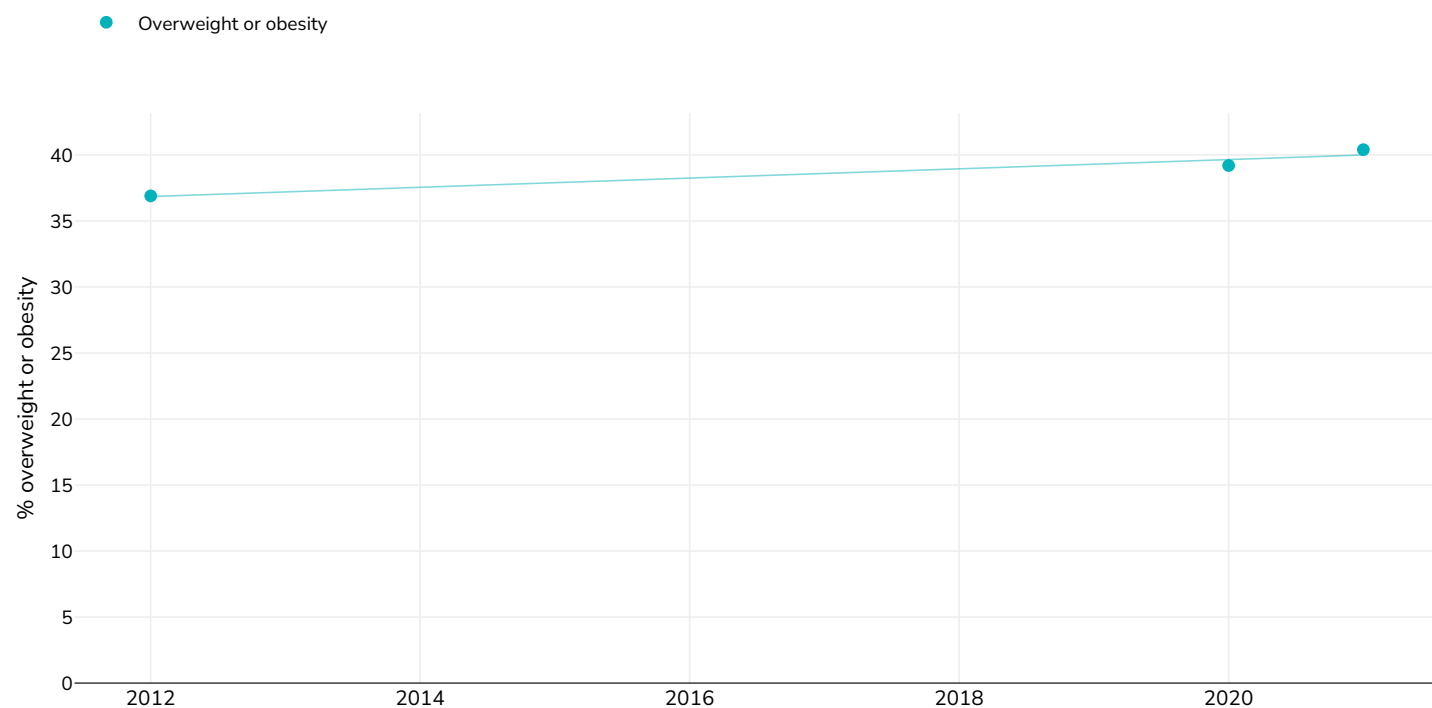
Notes: Aged 12-19

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## % 5-11 year old children living with overweight or obesity in Mexico 2012-2021

### Boys



Survey  
type:

Measured

References: 2012: ENSANUT 2012 <http://ensanut.insp.mx/informes/ENSANUT2012ResultadosNacionales.pdf> accessed 25th June 2014

2020: Shamah-Levy T, Romero-Martínez M, Barrientos-Gutiérrez T, Cuevas-Nasu L, Bautista-Arredondo S, Colchero MA, GaonaPineda EB, Lazcano-Ponce E, Martínez-Barnetche J, Alpuche-Arana C, Rivera-Dommarco J. Encuesta Nacional de Salud y Nutrición 2020 sobre Covid-19. Resultados nacionales. Cuernavaca, México: Instituto Nacional de Salud Pública, 2021.

<https://ensanut.insp.mx/encuestas/ensanutcontinua2020/doctos/informes/ensanutCovid19ResultadosNacionales.pdf>  
(Accessed 11.01.2022)

2021: Shamah-Levy T, Romero-Martínez M, Barrientos-Gutiérrez T, Cuevas-Nasu L, Bautista-Arredondo S, Colchero MA, Gaona-Pineda EB, Lazcano-Ponce E, Martínez-Barnetche J, Alpuche-Arana C, Rivera-Dommarco J. Encuesta Nacional de Salud y Nutrición 2021 sobre Covid-19. Resultados nacionales. Cuernavaca, México: Instituto Nacional de Salud Pública, 2022.

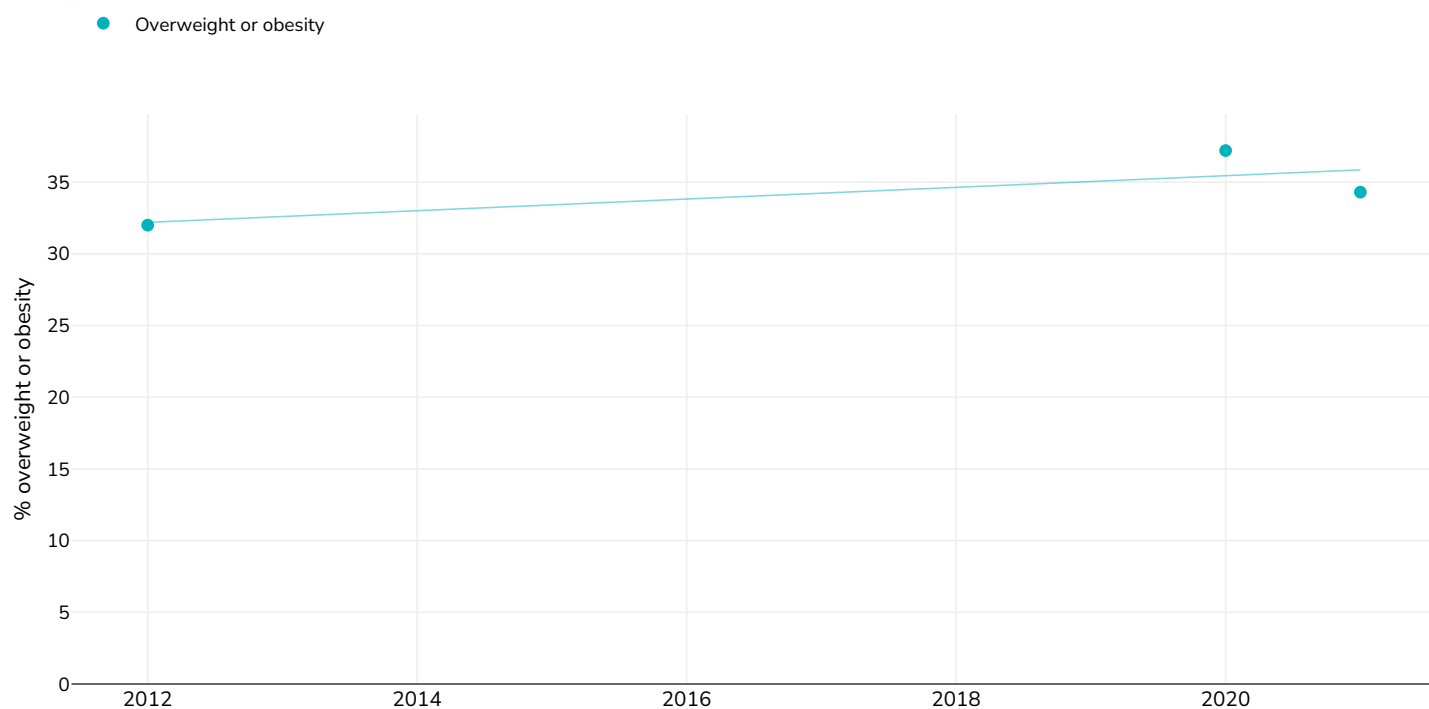
<https://ensanut.insp.mx/encuestas/ensanutcontinua2021/informes.php> (Accessed 03.01.2023)

Notes:

Aged 5-11

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## Girls



Survey type: Measured

References: 2012: ENSANUT 2012 <http://ensanut.insp.mx/informes/ENSANUT2012ResultadosNacionales.pdf> accessed 25th June 2014

2020: Shamah-Levy T, Romero-Martínez M, Barrientos-Gutiérrez T, Cuevas-Nasu L, Bautista-Arredondo S, Colchero MA, GaonaPineda EB, Lazcano-Ponce E, Martínez-Barnetche J, Alpuche-Arana C, Rivera-Dommarco J. Encuesta Nacional de Salud y Nutrición 2020 sobre Covid-19. Resultados nacionales. Cuernavaca, México: Instituto Nacional de Salud Pública, 2021. <https://ensanut.insp.mx/encuestas/ensanutcontinua2020/doctos/informes/ensanutCovid19ResultadosNacionales.pdf> (Accessed 11.01.2022)

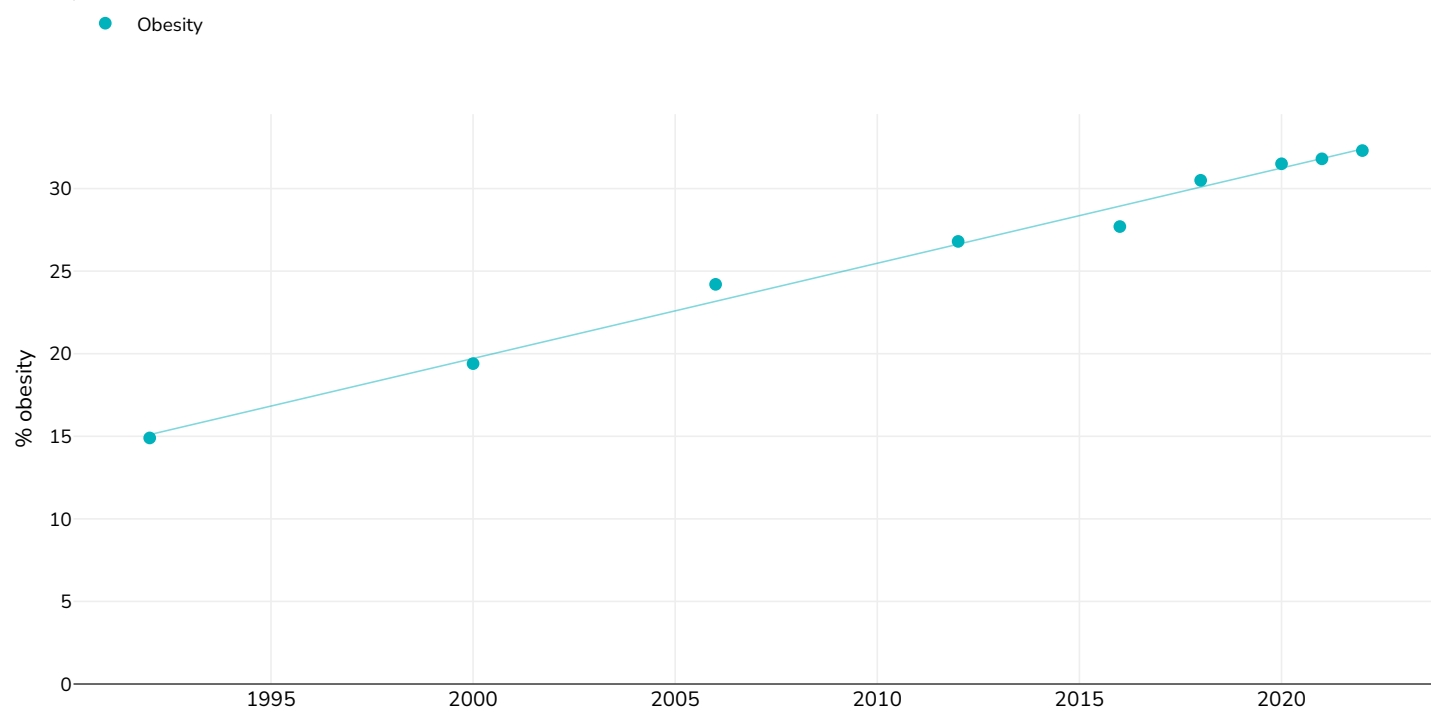
2021: Shamah-Levy T, Romero-Martínez M, Barrientos-Gutiérrez T, Cuevas-Nasu L, Bautista-Arredondo S, Colchero MA, Gaona-Pineda EB, Lazcano-Ponce E, Martínez-Barnetche J, Alpuche-Arana C, Rivera-Dommarco J. Encuesta Nacional de Salud y Nutrición 2021 sobre Covid-19. Resultados nacionales. Cuernavaca, México: Instituto Nacional de Salud Pública, 2022. <https://ensanut.insp.mx/encuestas/ensanutcontinua2021/informes.php> (Accessed 03.01.2023)

Notes: Aged 5-11

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**% Adults living with obesity in Mexico 1992-2021**

## Men



Survey type: Measured

References: 1992: Arroyo et al. Prevalence of Pre-Obesity and Obesity in Urban Adult Mexicans in Comparison with other Large Surveys. *Obesity Research*. 2000;8:179-185

2000: Personal Communication from Dr C Sanchez Castillio, Body Mass Index cutoff points for Type 2 Diabetes Mellitus and Hypertension in the Mexican National Health Survey 2000.

2006: Olaiz-Fernández G, Rivera-Dommarco J, Shamah-Levy T, Rojas R, Villalpando-Hernández S, Hernández-Avila M, Sepúlveda-Amor J. Encuesta Nacional de Salud y Nutrición 2006. Cuernavaca, México: Instituto Nacional de Salud Pública, 2006. (National Health and Nutrition Survey 2006).

2012: ENSANUT 2012 <http://ensanut.insp.mx/informes/ENSANUT2012ResultadosNacionales.pdf> accessed 25th June 2014

2016: Encuesta Nacional de Salud y Nutrición de Medio Camino 2016

2018: Encuesta Nacional de Salud y Nutrición 2018. <https://ensanut.insp.mx/encuestas/ensanut2018/informes.php> (Accessed 15.12.20)

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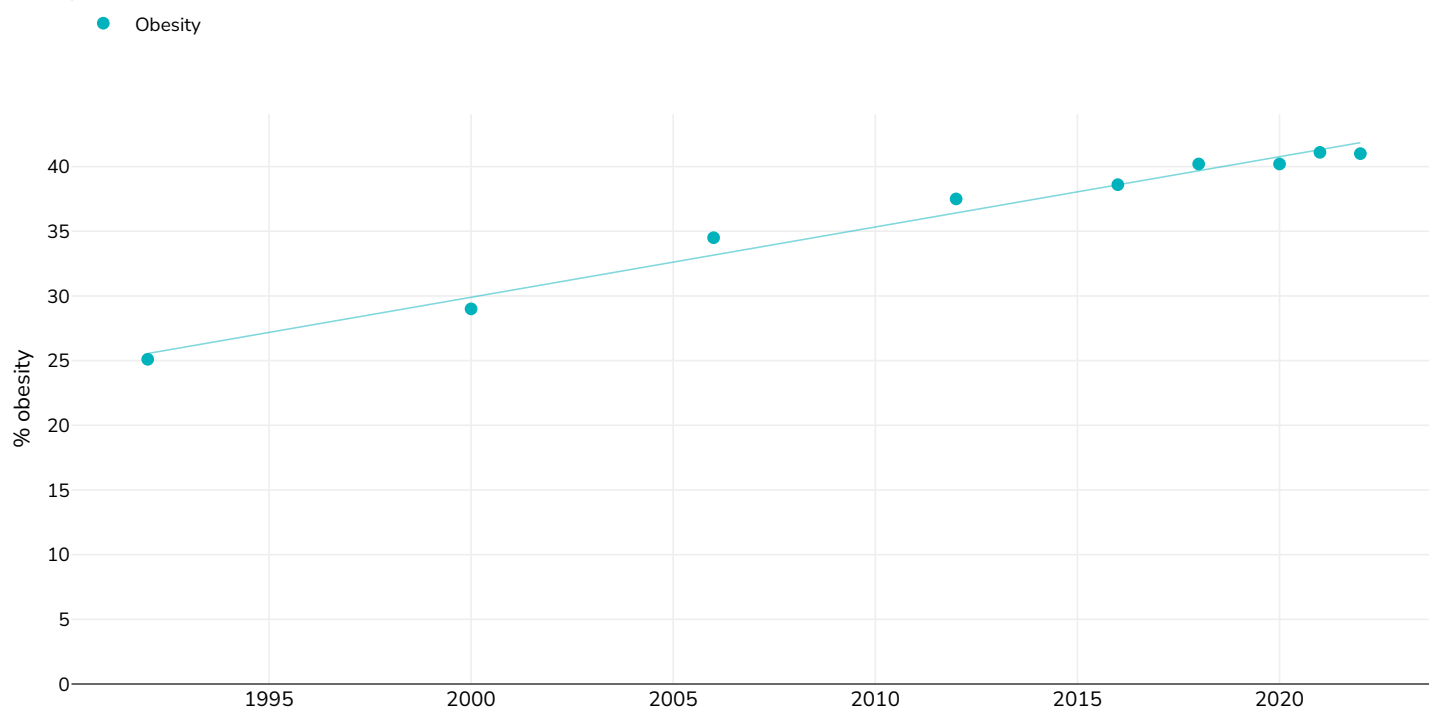
2021: Shamah-Levy T, Romero-Martínez M, Barrientos-Gutiérrez T, Cuevas-Nasu L, Bautista-Arredondo S, Colchero MA, Gaona-Pineda EB, Lazcano-Ponce E, Martínez-Barnetche J, Alpuche-Arana C, Rivera-Dommarco J. Encuesta Nacional de Salud y Nutrición 2021 sobre Covid-19. Resultados nacionales. Cuernavaca, México: Instituto Nacional de Salud Pública, 2022. <https://ensanut.insp.mx/encuestas/ensanutcontinua2021/informes.php> (Accessed 03.01.2023)

2022: Campos-Nonato I, Galván-Valencia O, Hernández-Barrera L, Oviedo-Solís C, Barquera S. Prevalence of obesity and associated risk factors in Mexican adults: results of the Ensanut 2022. *Salud Publica Mex*. 2023;65(supl 1): S238-S247. <https://doi.org/10.21149/14809>. Available at <https://saludpublica.mx/index.php/spm/article/view/14809/12424> (last accessed

*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>.*

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## Women



Survey  
type:

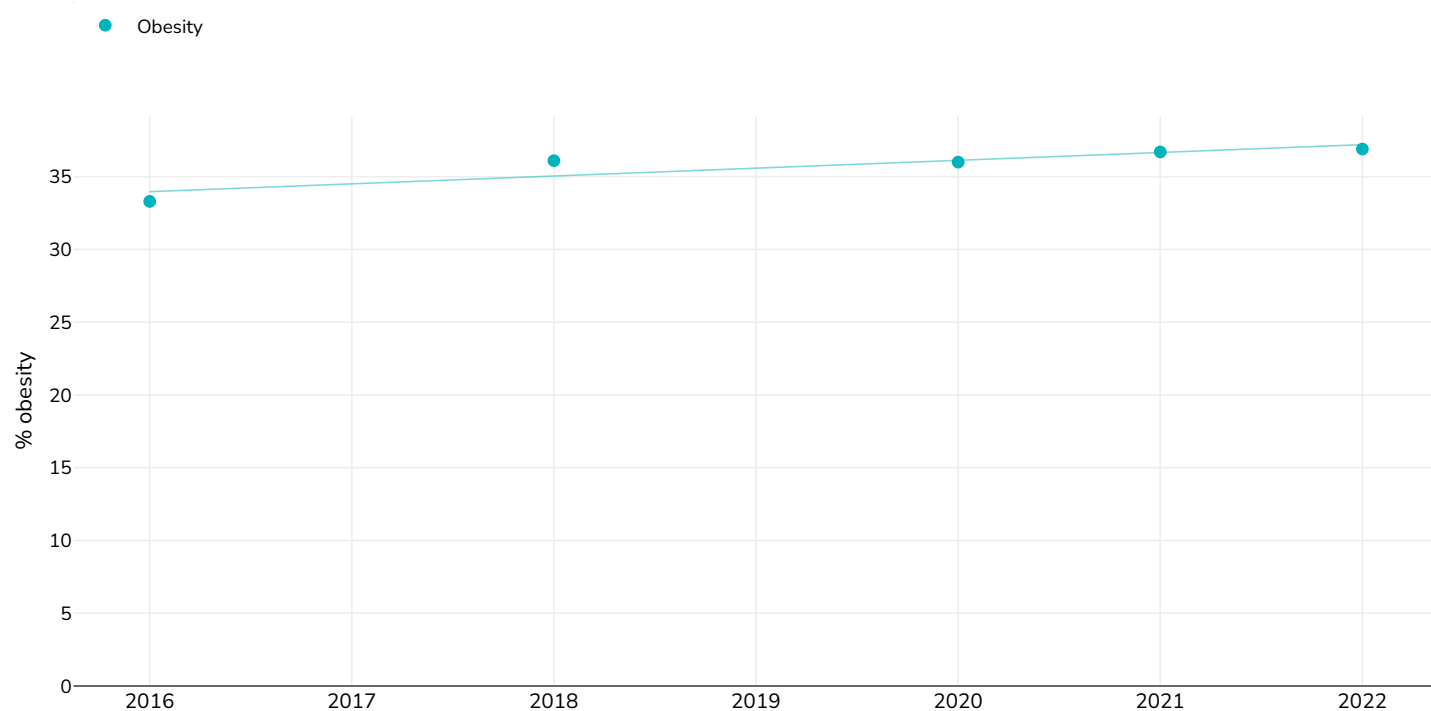
Measured

- References:
- 1992: Arroyo et al. Prevalence of Pre-Obesity and Obesity in Urban Adult Mexicans in Comparison with other Large Surveys. *Obesity Research*. 2000;8:179-185
  - 2000: Personal Communication from Dr C Sanchez Castillio, Body Mass Index cutoff points for Type 2 Diabetes Mellitus and Hypertension in the Mexican National Health Survey 2000.
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  - 2012: ENSANUT 2012 <http://ensanut.insp.mx/informes/ENSANUT2012ResultadosNacionales.pdf> accessed 25th June 2014
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  - 2018: Encuesta Nacional de Salud y Nutrición 2018. <https://ensanut.insp.mx/encuestas/ensanut2018/informes.php> (Accessed 15.12.20)
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## Men and women



Survey  
type:

Measured

- References:
- 1992: Arroyo et al. Prevalence of Pre-Obesity and Obesity in Urban Adult Mexicans in Comparison with other Large Surveys. *Obesity Research*. 2000;8:179-185
  - 2000: Personal Communication from Dr C Sanchez Castillio, Body Mass Index cutoff points for Type 2 Diabetes Mellitus and Hypertension in the Mexican National Health Survey 2000.
  - 2006: Olaiz-Fernández G, Rivera-Dommarco J, Shamah-Levy T, Rojas R, Villalpando-Hernández S, Hernández-Avila M, Sepúlveda-Amor J. Encuesta Nacional de Salud y Nutrición 2006. Cuernavaca, México: Instituto Nacional de Salud Pública, 2006. (National Health and Nutrition Survey 2006).
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  - 2020: Shamah-Levy T, Romero-Martínez M, Barrientos-Gutiérrez T, Cuevas-Nasu L, Bautista-Arredondo S, Colchero MA, Gaona-Pineda EB, Lazcano-Ponce E, Martínez-Barnette J, Alpuche-Arana C, Rivera-Dommarco J. Encuesta Nacional de Salud y Nutrición 2020 sobre Covid-19. Resultados nacionales. Cuernavaca, México: Instituto Nacional de Salud Pública, 2021. <https://ensanut.insp.mx/encuestas/ensanutcontinua2020/doctos/informes/ensanutCovid19ResultadosNacionales.pdf> (Accessed 11.01.2022)
  - 2021: Shamah-Levy T, Romero-Martínez M, Barrientos-Gutiérrez T, Cuevas-Nasu L, Bautista-Arredondo S, Colchero MA, Gaona-Pineda EB, Lazcano-Ponce E, Martínez-Barnette J, Alpuche-Arana C, Rivera-Dommarco J. Encuesta Nacional de Salud y Nutrición 2021 sobre Covid-19. Resultados nacionales. Cuernavaca, México: Instituto Nacional de Salud Pública, 2022. <https://ensanut.insp.mx/encuestas/ensanutcontinua2021/informes.php> (Accessed 03.01.2023)
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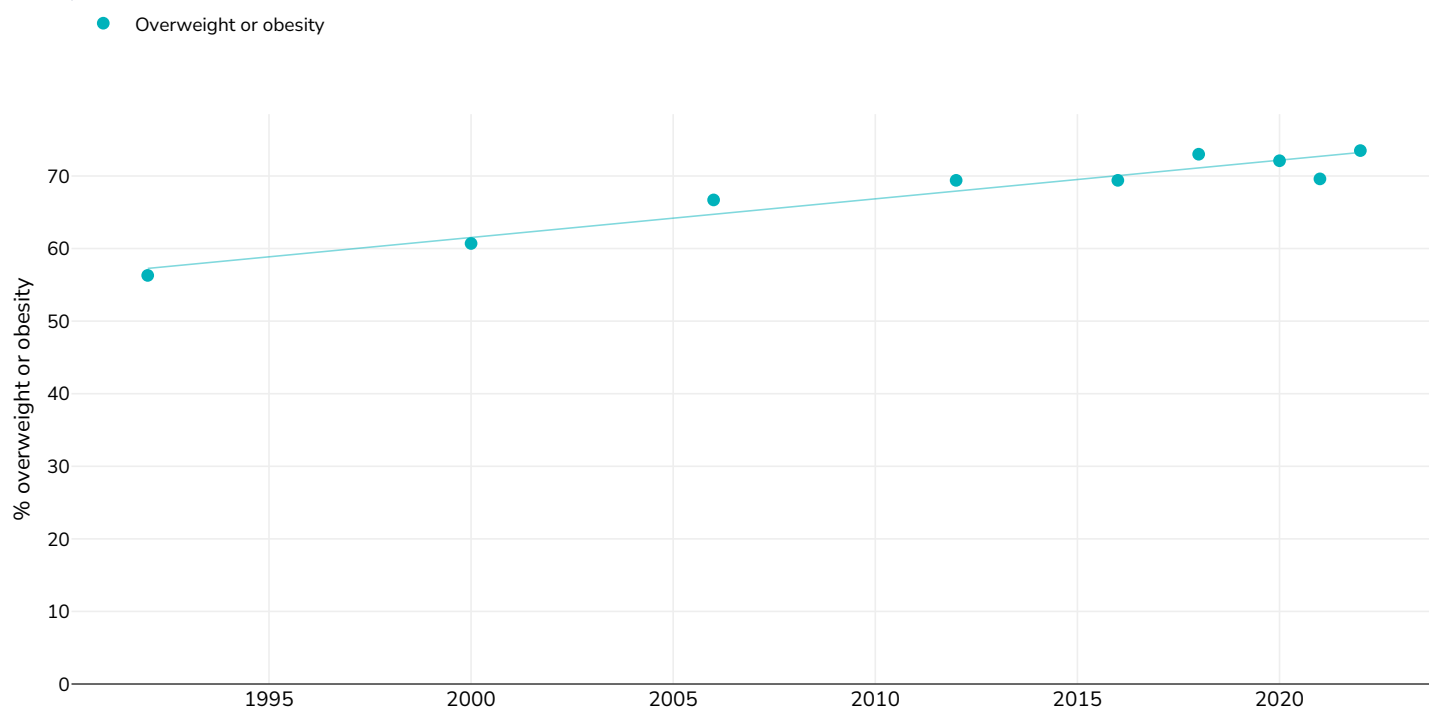


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## **% Adults living with overweight or obesity in Mexico 1992-2021**

## Men



Survey  
type:

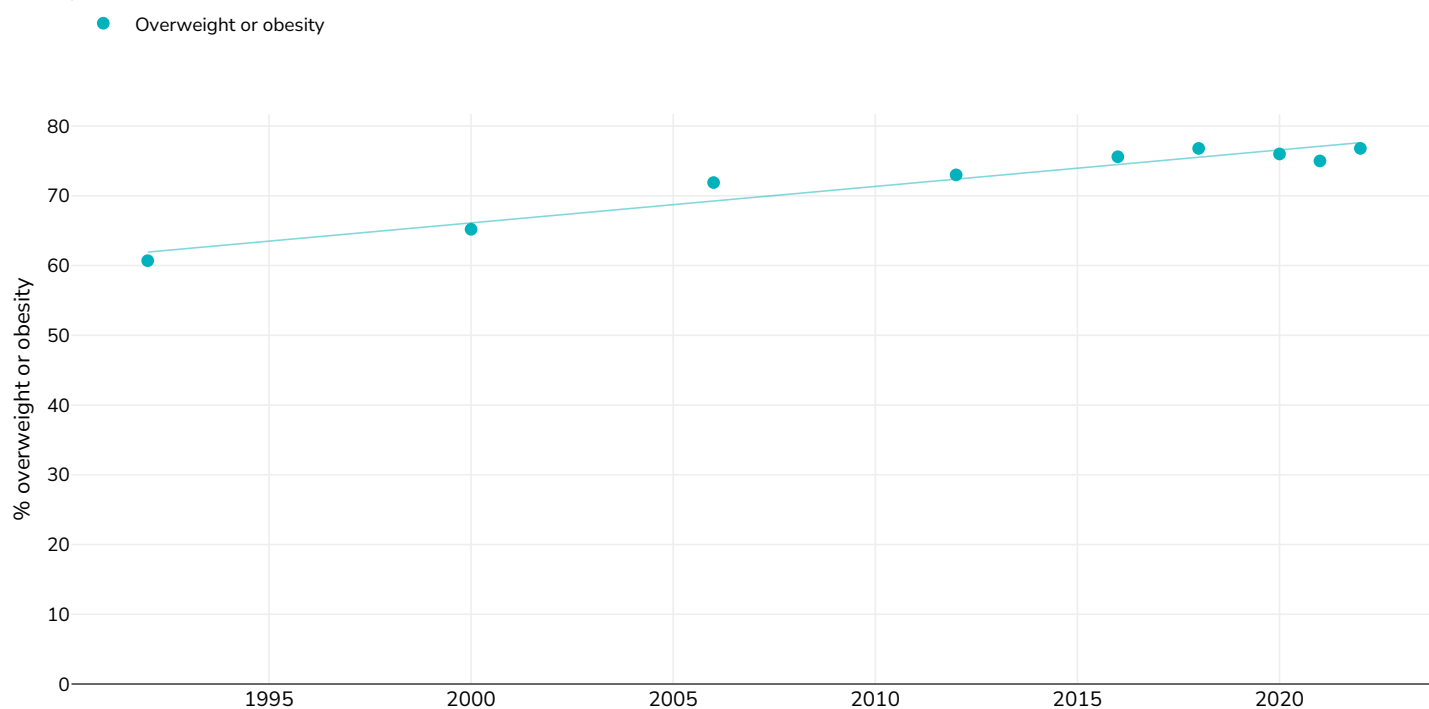
Measured

- References: 1992: Arroyo et al. Prevalence of Pre-Obesity and Obesity in Urban Adult Mexicans in Comparison with other Large Surveys. *Obesity Research*. 2000;8:179-185
- 2000: Personal Communication from Dr C Sanchez Castillio, Body Mass Index cutoff points for Type 2 Diabetes Mellitus and Hypertension in the Mexican National Health Survey 2000.
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- 2018: Encuesta Nacional de Salud y Nutrición 2018. <https://ensanut.insp.mx/encuestas/ensanut2018/informes.php> (Accessed 15.12.20)
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- 2021: Shamah-Levy T, Romero-Martínez M, Barrientos-Gutiérrez T, Cuevas-Nasu L, Bautista-Arredondo S, Colchero MA, Gaona-Pineda EB, Lazcano-Ponce E, Martínez-Barnette J, Alpuche-Arana C, Rivera-Dommarco J. Encuesta Nacional de Salud y Nutrición 2021 sobre Covid-19. Resultados nacionales. Cuernavaca, México: Instituto Nacional de Salud Pública, 2022. <https://ensanut.insp.mx/encuestas/ensanutcontinua2021/informes.php> (Accessed 03.01.2023)
- 2022: Campos-Nonato I, Galván-Valencia O, Hernández-Barrera L, Oviedo-Solís C, Barquera S. Prevalence of obesity and associated risk factors in Mexican adults: results of the Ensanut 2022. *Salud Publica Mex*. 2023;65(supl 1): S238-S247. <https://doi.org/10.21149/14809>. Available at <https://saludpublica.mx/index.php/spm/article/view/14809/12424> (last accessed

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*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:

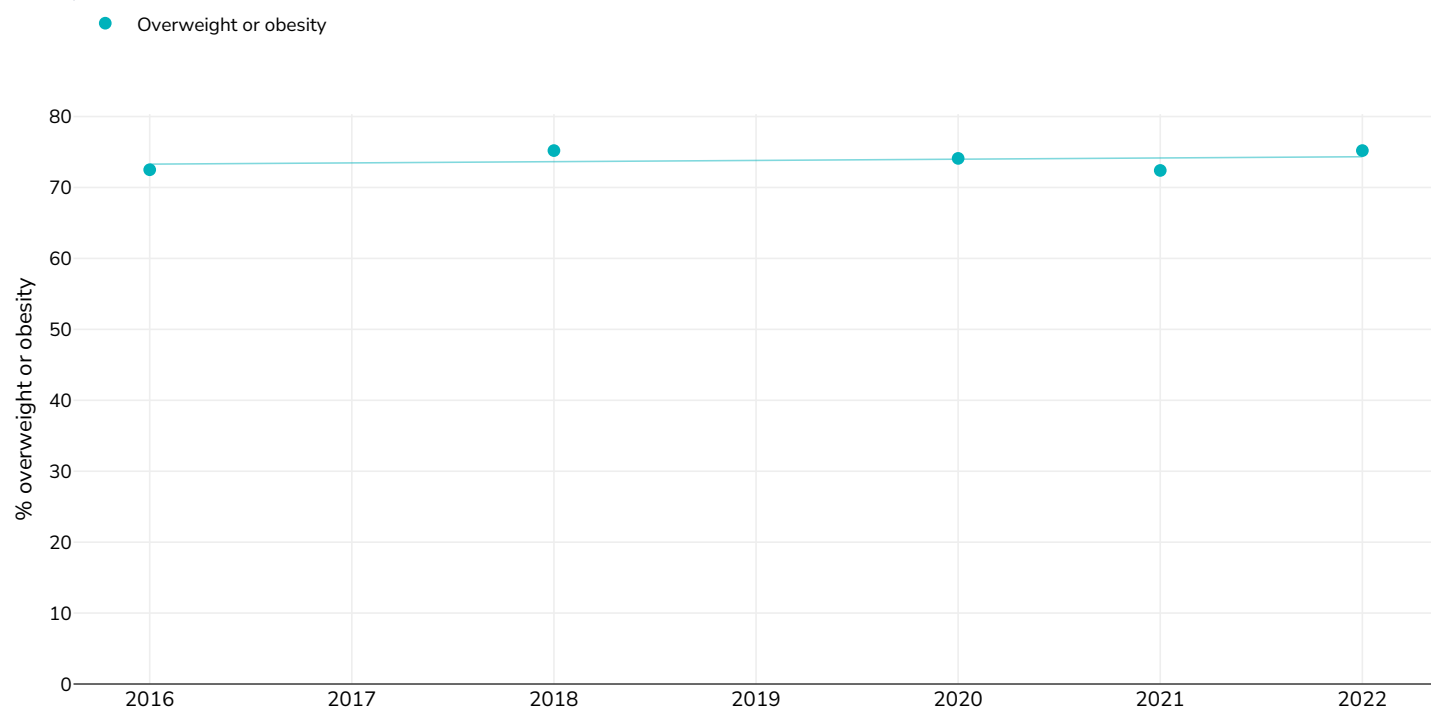
Measured

- References:
- 1992: Arroyo et al. Prevalence of Pre-Obesity and Obesity in Urban Adult Mexicans in Comparison with other Large Surveys. *Obesity Research*. 2000;8:179-185
  - 2000: Personal Communication from Dr C Sanchez Castillio, Body Mass Index cutoff points for Type 2 Diabetes Mellitus and Hypertension in the Mexican National Health Survey 2000.
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  - 2012: ENSANUT 2012 <http://ensanut.insp.mx/informes/ENSANUT2012ResultadosNacionales.pdf> accessed 25th June 2014
  - 2016: Encuesta Nacional de Salud y Nutrición de Medio Camino 2016
  - 2018: Encuesta Nacional de Salud y Nutrición 2018. <https://ensanut.insp.mx/encuestas/ensanut2018/informes.php> (Accessed 15.12.20)
  - 2020: Shamah-Levy T, Romero-Martínez M, Barrientos-Gutiérrez T, Cuevas-Nasu L, Bautista-Arredondo S, Colchero MA, Gaona-Pineda EB, Lazcano-Ponce E, Martínez-Barnetche J, Alpuche-Arana C, Rivera-Dommarco J. Encuesta Nacional de Salud y Nutrición 2020 sobre Covid-19. Resultados nacionales. Cuernavaca, México: Instituto Nacional de Salud Pública, 2021. <https://ensanut.insp.mx/encuestas/ensanutcontinua2020/doctos/informes/ensanutCovid19ResultadosNacionales.pdf> (Accessed 11.01.2022)
  - 2021: Shamah-Levy T, Romero-Martínez M, Barrientos-Gutiérrez T, Cuevas-Nasu L, Bautista-Arredondo S, Colchero MA, Gaona-Pineda EB, Lazcano-Ponce E, Martínez-Barnetche J, Alpuche-Arana C, Rivera-Dommarco J. Encuesta Nacional de Salud y Nutrición 2021 sobre Covid-19. Resultados nacionales. Cuernavaca, México: Instituto Nacional de Salud Pública, 2022. <https://ensanut.insp.mx/encuestas/ensanutcontinua2021/informes.php> (Accessed 03.01.2023)
  - 2022: Campos-Nonato I, Galván-Valencia O, Hernández-Barrera L, Oviedo-Solís C, Barquera S. Prevalence of obesity and associated risk factors in Mexican adults: results of the Ensanut 2022. *Salud Publica Mex*. 2023;65(supl 1): S238-S247. <https://doi.org/10.21149/14809>. Available at <https://saludpublica.mx/index.php/spm/article/view/14809/12424> (last accessed

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*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.*

## Men and women



Survey  
type:

Measured

- References:
- 1992: Arroyo et al. Prevalence of Pre-Obesity and Obesity in Urban Adult Mexicans in Comparison with other Large Surveys. *Obesity Research*. 2000;8:179-185
  - 2000: Personal Communication from Dr C Sanchez Castillio, Body Mass Index cutoff points for Type 2 Diabetes Mellitus and Hypertension in the Mexican National Health Survey 2000.
  - 2006: Olaiz-Fernández G, Rivera-Dommarco J, Shamah-Levy T, Rojas R, Villalpando-Hernández S, Hernández-Avila M, Sepúlveda-Amor J. Encuesta Nacional de Salud y Nutrición 2006. Cuernavaca, México: Instituto Nacional de Salud Pública, 2006. (National Health and Nutrition Survey 2006).
  - 2012: ENSANUT 2012 <http://ensanut.insp.mx/informes/ENSANUT2012ResultadosNacionales.pdf> accessed 25th June 2014
  - 2016: Encuesta Nacional de Salud y Nutrición de Medio Camino 2016
  - 2018: Encuesta Nacional de Salud y Nutrición 2018. <https://ensanut.insp.mx/encuestas/ensanut2018/informes.php> (Accessed 15.12.20)
  - 2020: Shamah-Levy T, Romero-Martínez M, Barrientos-Gutiérrez T, Cuevas-Nasu L, Bautista-Arredondo S, Colchero MA, Gaona-Pineda EB, Lazcano-Ponce E, Martínez-Barnette J, Alpuche-Arana C, Rivera-Dommarco J. Encuesta Nacional de Salud y Nutrición 2020 sobre Covid-19. Resultados nacionales. Cuernavaca, México: Instituto Nacional de Salud Pública, 2021. <https://ensanut.insp.mx/encuestas/ensanutcontinua2020/doctos/informes/ensanutCovid19ResultadosNacionales.pdf> (Accessed 11.01.2022)
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  - 2022: Campos-Nonato I, Galván-Valencia O, Hernández-Barrera L, Oviedo-Solís C, Barquera S. Prevalence of obesity and associated risk factors in Mexican adults: results of the Ensanut 2022. *Salud Publica Mex*. 2023;65(supl 1): S238-S247. <https://doi.org/10.21149/14809>. Available at <https://saludpublica.mx/index.php/spm/article/view/14809/12424> (last accessed

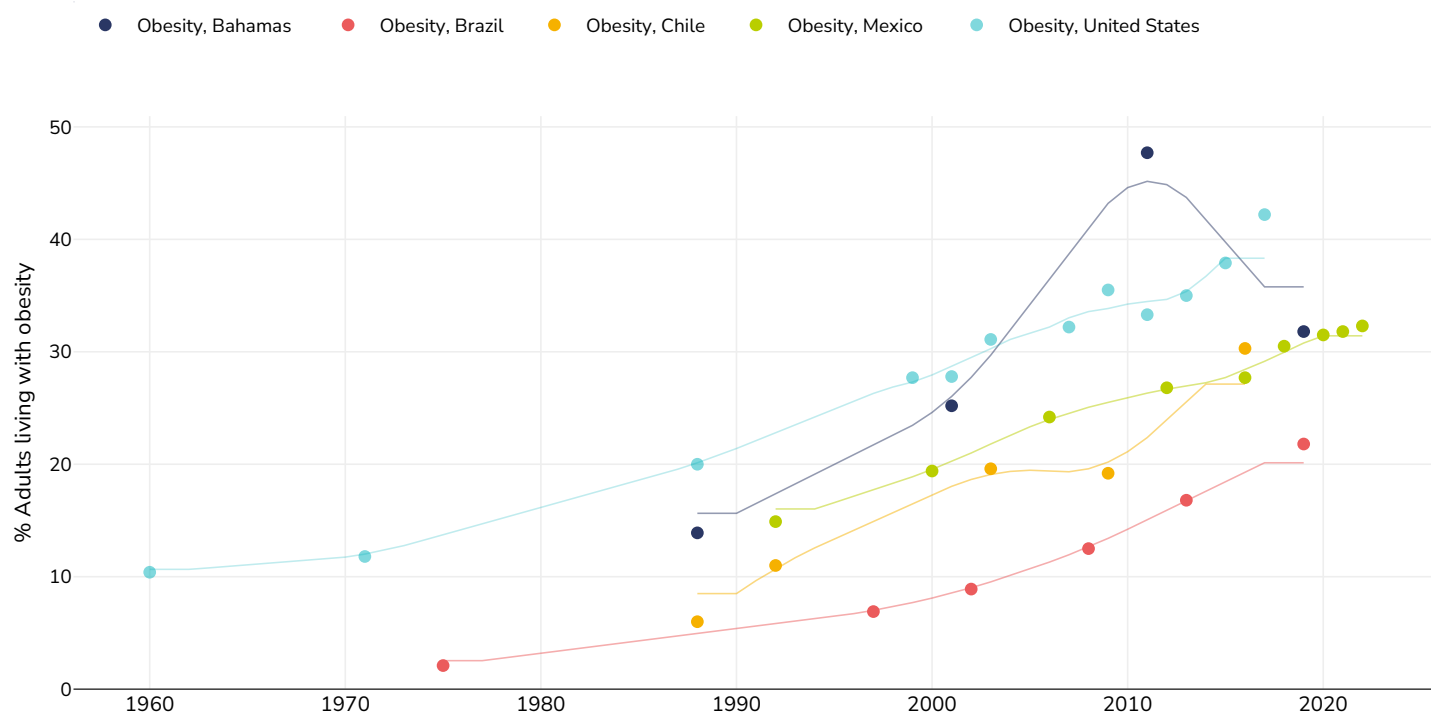
*Unless otherwise noted, overweight refers to a BMI between 25kg and 29.9kg/m<sup>2</sup>, obesity refers to a BMI greater than 30kg/m<sup>2</sup>.*

*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 obesity in selected countries in the Americas Region  
1960-2018, selected countries**

## Men



References:

1960, 1971, 1973, 1976, 1988, 1991: Flegal KM, Carroll MD, Kuczmarski RJ, Johnson CL. Overweight and obesity in the United States: prevalence and trends, 1960-1994. *International Journal of Obesity* (1998);22:39-47

1975: Monteiro CA, Conde WL, Popking BM. Is obesity replacing or adding to undernutrition? Evidence from different social classes in Brazil. *2002. Public Health Nutrition*:51(1A), 105-112

1992: Arroyo et al. Prevalence of Pre-Obesity and Obesity in Urban Adult Mexicans in Comparison with other Large Surveys. *Obesity Research*. 2000;8:179-185

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1997: Filozof C, Gonzales C, Sereday M, Mazza C, Braguinsky J. Obesity prevalence and trends in Latin American countries. *Obesity Reviews*, 2001;2:99-196

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2001: N Brathwaite, A Brathwaite, M Taylor. The Socio-economic Determinants of Obesity in Adults in the Bahamas. *West Indian Med J* 2011; 60 (4): 434

2002: Monteiro CA, Conde WL and Popkin BA. (2007). Income-specific trends in obesity in Brazil: 1975 - 2003. *American Journal of Public Health*, 97 (10): 1808 - 1812.

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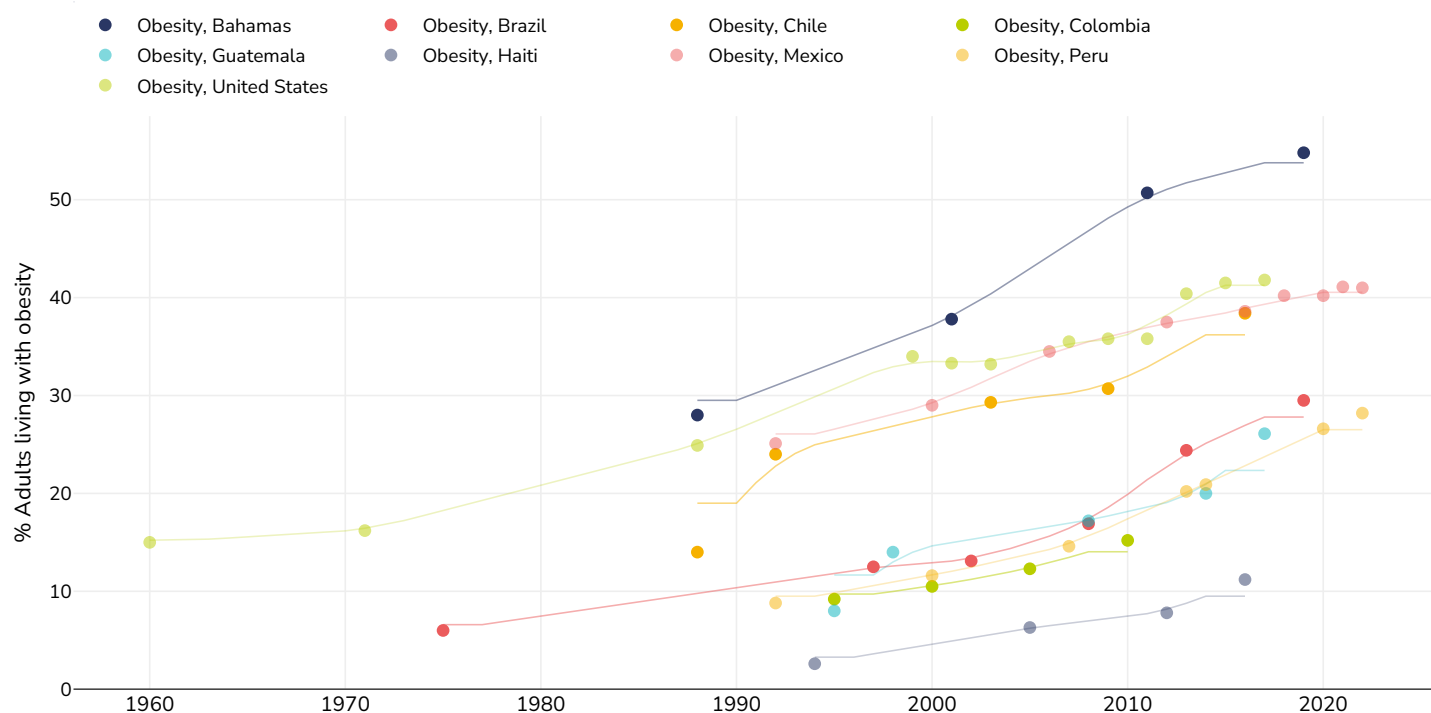
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2006: Olaiz-Fernández G, Rivera-Dommarco J, Shamah-Levy T, Rojas R, Villalpando-Hernández S, Hernández-Avila M, Sepúlveda-Amor J. Encuesta Nacional de Salud y Nutrición 2006. Cuernavaca, México: Instituto Nacional de Salud Pública, 2006. (National Health and Nutrition Survey 2006)

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## Women



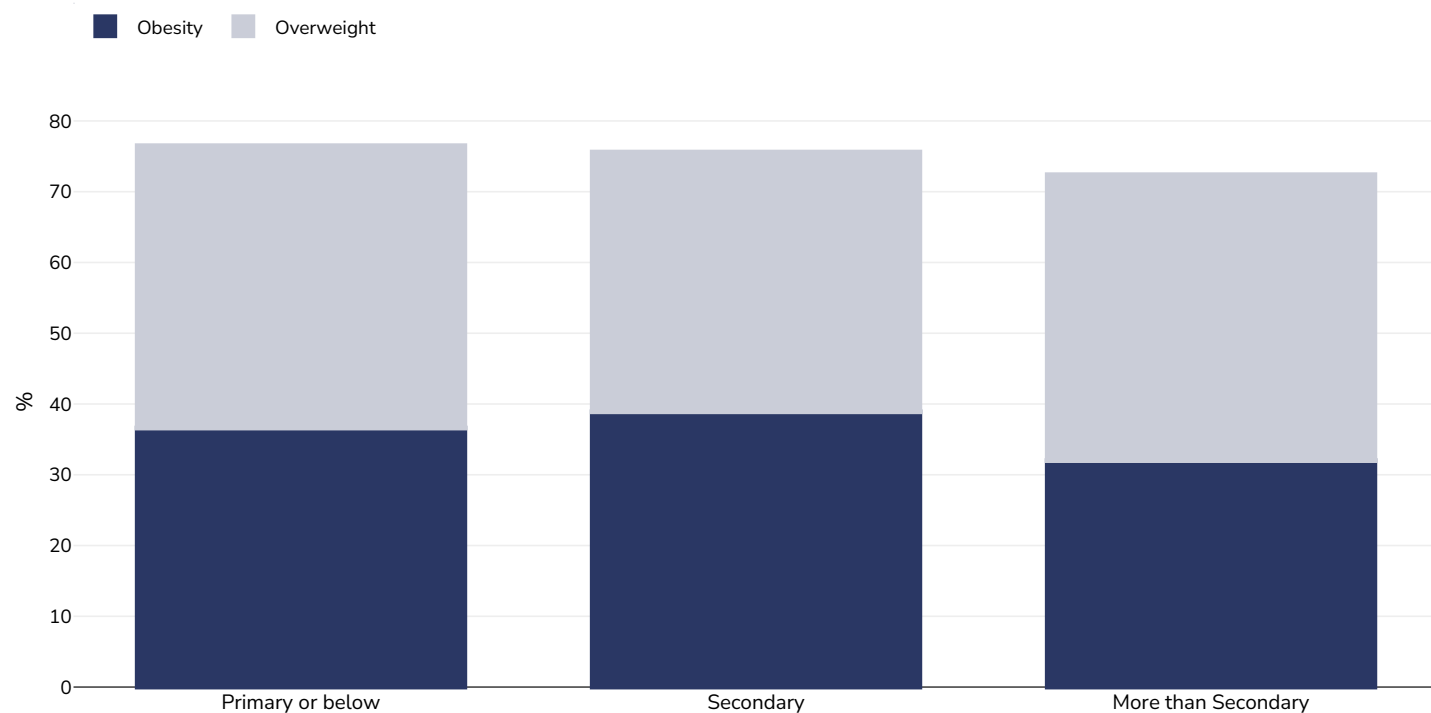
- References:
- 1960, 1971, 1973, 1976, 1988, 1991: Flegal KM, Carroll MD, Kuczmarski RJ, Johnson CL. Overweight and obesity in the United States: prevalence and trends, 1960-1994. *International Journal of Obesity* (1998);22:39-47
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  - 1992: Arroyo et al. Prevalence of Pre-Obesity and Obesity in Urban Adult Mexicans in Comparison with other Large Surveys. *Obesity Research*. 2000;8:179-185
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  - 1997: Filozof C, Gonzales C, Sereday M, Mazza C, Braguinsky J. Obesity prevalence and trends in Latin American countries. *Obesity Reviews*, 2001;2:99-196
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  - 2001: N Brathwaite, A Brathwaite, M Taylor. The Socio-economic Determinants of Obesity in Adults in the Bahamas. *West Indian Med J* 2011; 60 (4): 434
  - 2002: Monteiro CA, Conde WL and Popkin BA. (2007). Income-specific trends in obesity in Brazil: 1975 - 2003. *American Journal of Public Health*, 97 (10): 1808 - 1812.
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*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.*

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## Overweight/obesity by education

### Adults, 2022



Survey type: Measured

Age: 20+

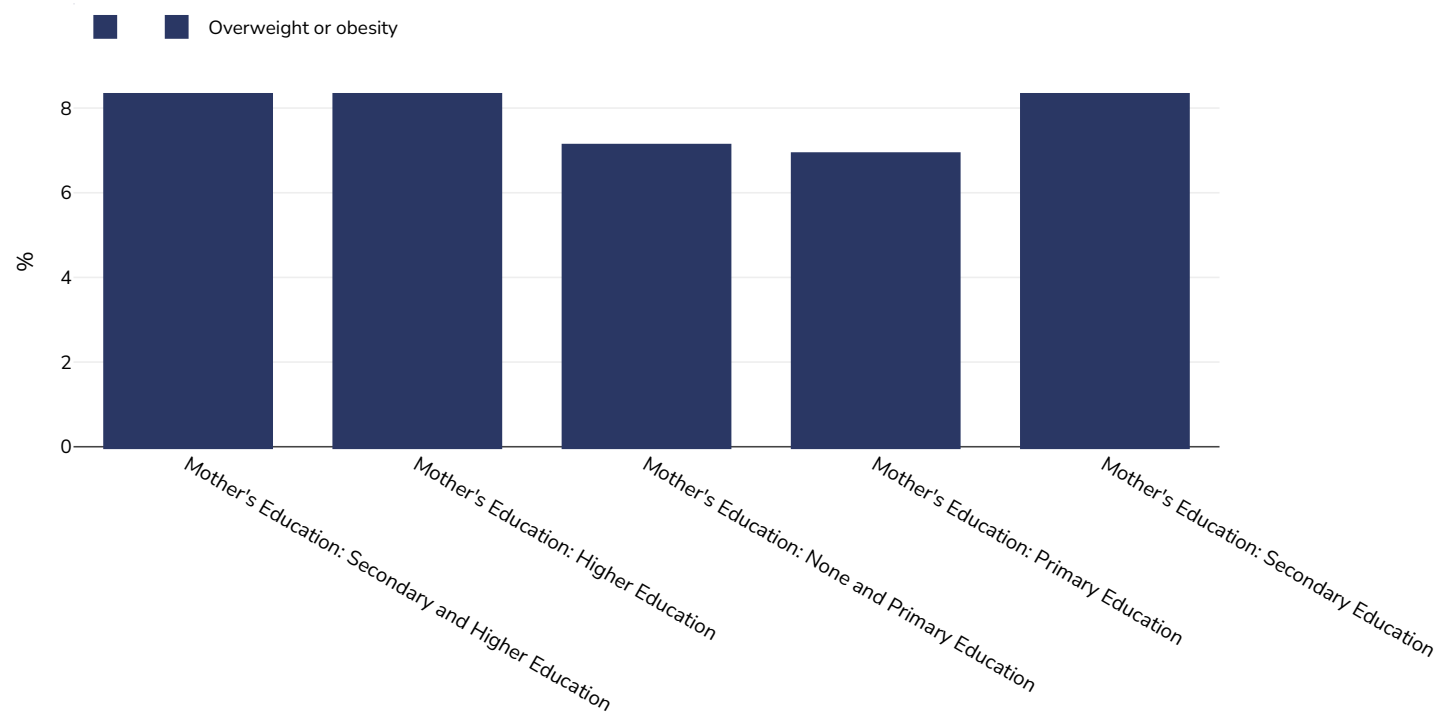
Sample size: 8563

Area covered: National

References: Campos-Nonato I, Galván-Valencia O, Hernández-Barrera L, Oviedo-Solís C, Barquera S. Prevalence of obesity and associated risk factors in Mexican adults: results of the Ensanut 2022. *Salud Publica Mex.* 2023;65(supl 1): S238-S247. <https://doi.org/10.21149/14809>. Available at <https://saludpublica.mx/index.php/spm/article/view/14809/12424> (last accessed 11.12.23)

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## Infants, 2020



Sample size: 9891242

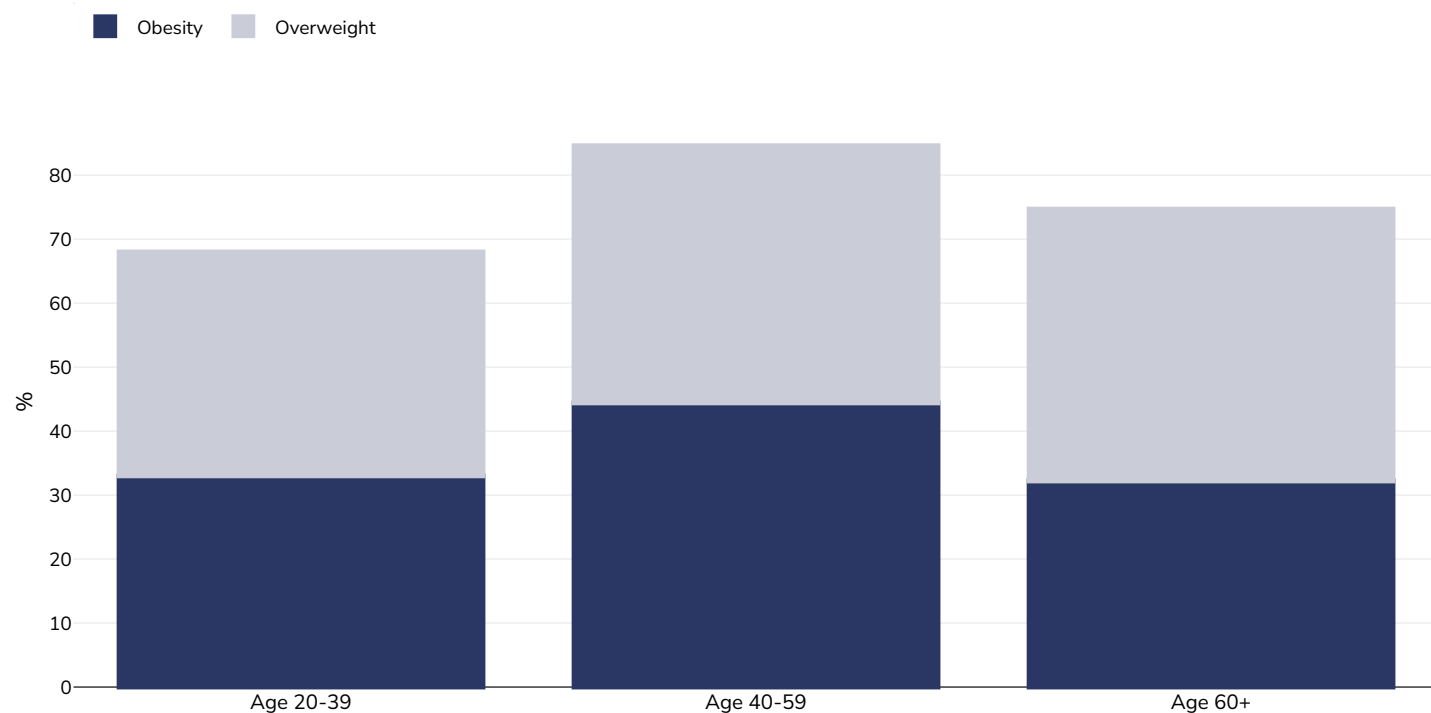
References: Other: Encuesta Nacional de Salud y Nutrición Continua COVID-19, Mexico 2020

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, 2022



Survey type: Measured

Sample size: 8563

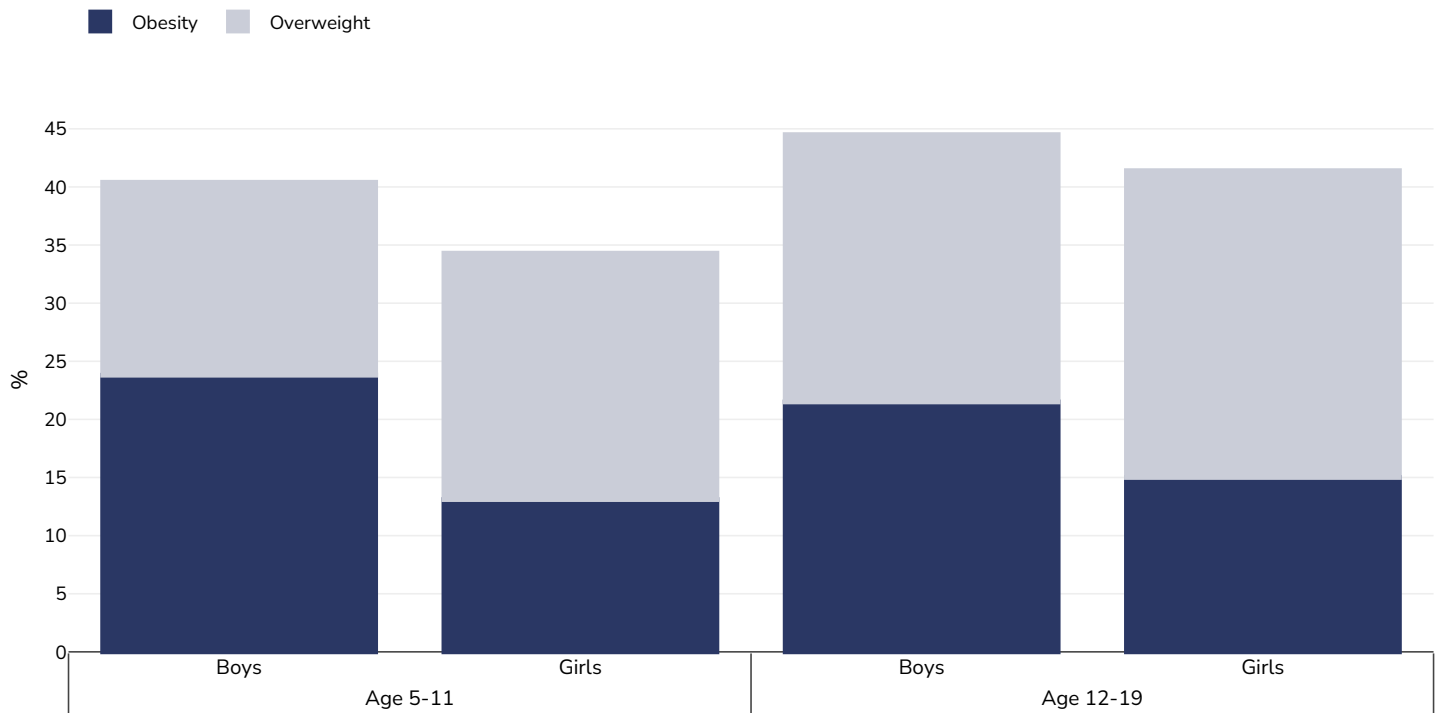
Area covered: National

References: Campos-Nonato I, Galván-Valencia O, Hernández-Barrera L, Oviedo-Solís C, Barquera S. Prevalence of obesity and associated risk factors in Mexican adults: results of the Ensanut 2022. *Salud Publica Mex.* 2023;65(supl 1): S238-S247. <https://doi.org/10.21149/14809>. Available at <https://saludpublica.mx/index.php/spm/article/view/14809/12424> (last accessed 11.12.23)

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## Children, 2021



Survey type: Measured

Sample size: 4889

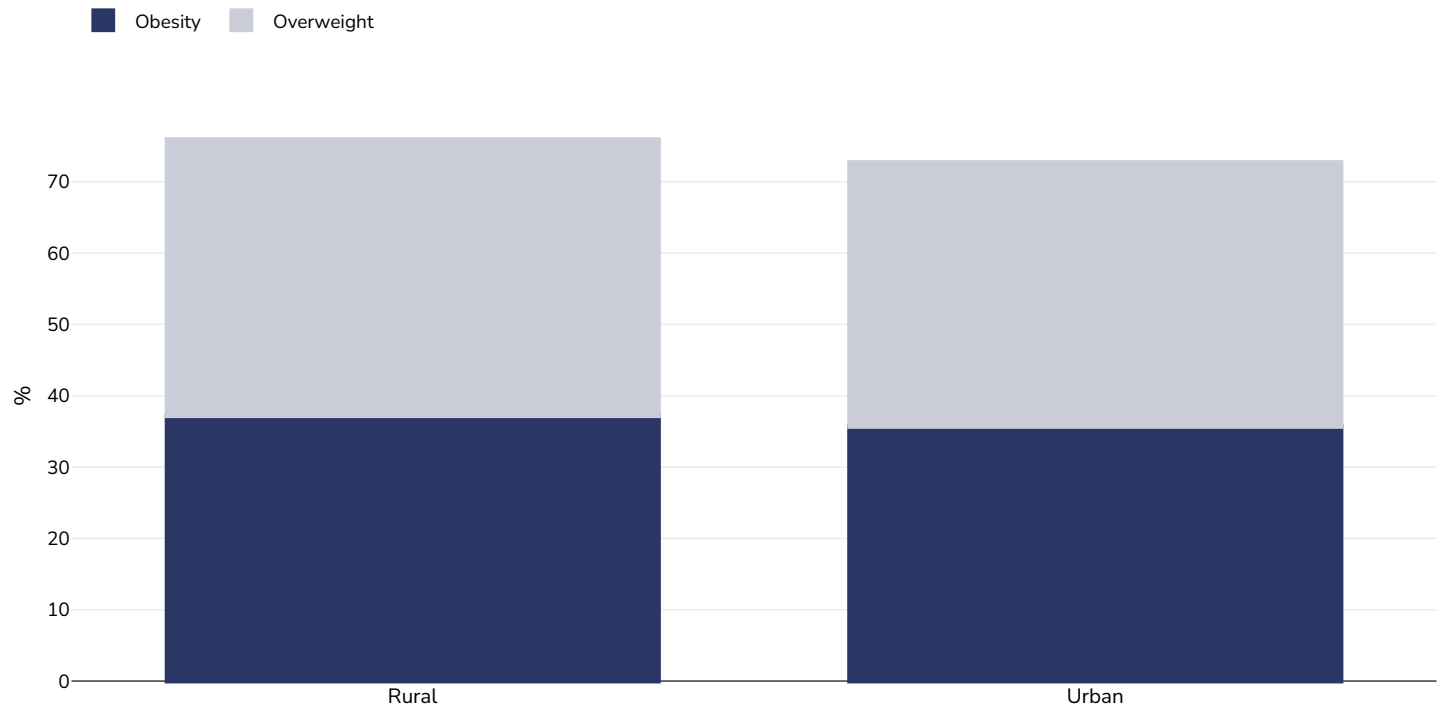
Area covered: National

References: Shamah-Levy T, Romero-Martínez M, Barrientos-Gutiérrez T, Cuevas-Nasu L, Bautista-Arredondo S, Colchero MA, Gaona-Pineda EB, Lazcano-Ponce E, Martínez-Barnetche J, Alpuche-Arana C, Rivera-Dommarco J. Encuesta Nacional de Salud y Nutrición 2021 sobre Covid-19. Resultados nacionales. Cuernavaca, México: Instituto Nacional de Salud Pública, 2022. <https://ensanut.insp.mx/encuestas/ensanutcontinua2021/informes.php> (Accessed 03.01.2023)

Cutoffs: WHO

## Overweight/obesity by region

### Adults, 2022

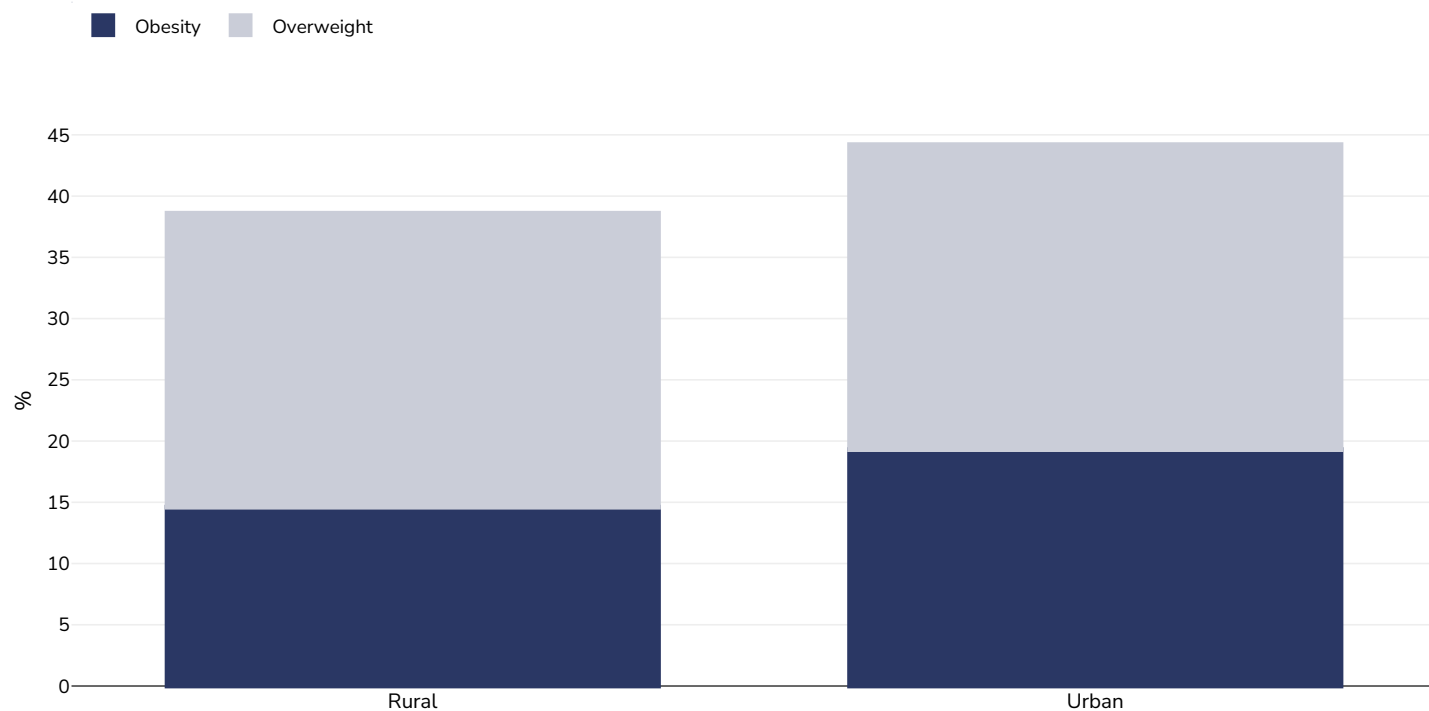


Survey type:	Measured
Age:	20+
Sample size:	8563
Area covered:	National

References: Campos-Nonato I, Galván-Valencia O, Hernández-Barrera L, Oviedo-Solís C, Barquera S. Prevalence of obesity and associated risk factors in Mexican adults: results of the Ensanut 2022. *Salud Publica Mex.* 2023;65(supl 1): S238-S247. <https://doi.org/10.21149/14809>. Available at <https://saludpublica.mx/index.php/spm/article/view/14809/12424> (last accessed 11.12.23)

*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

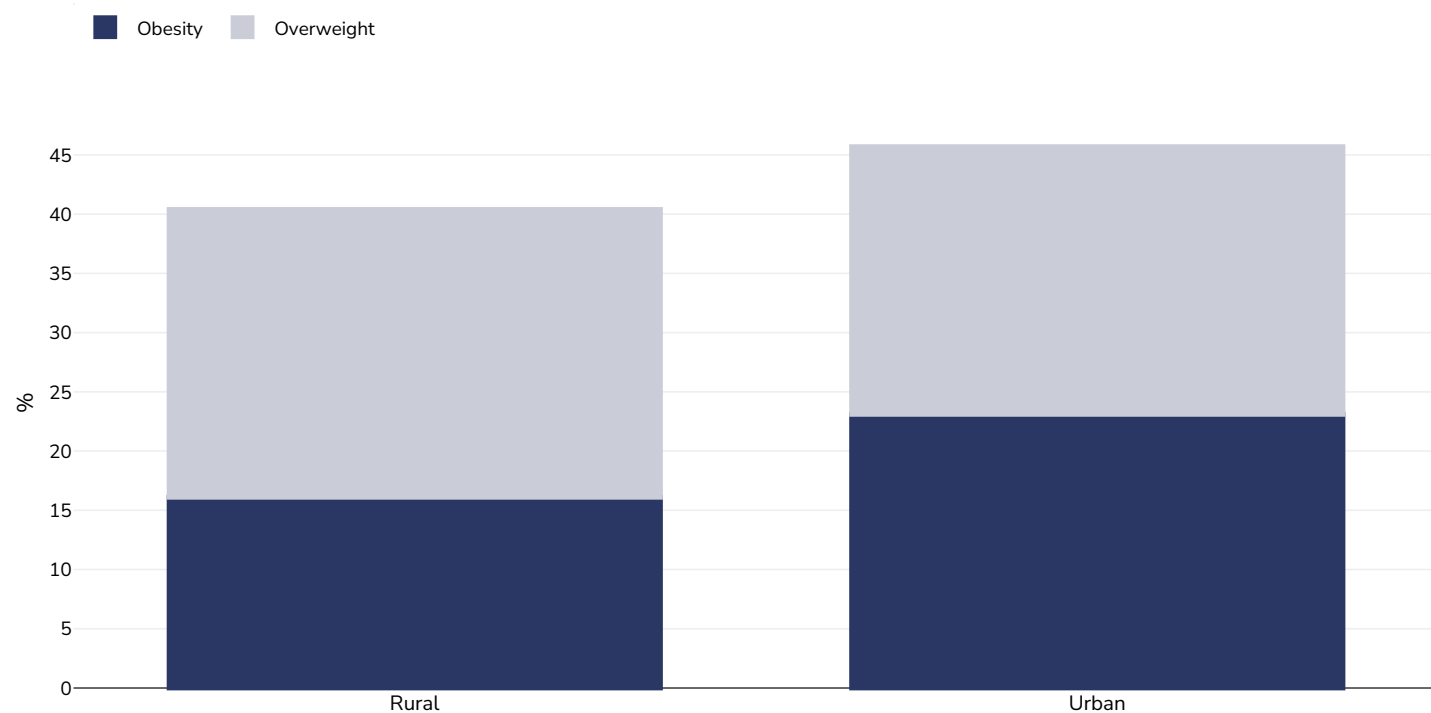


Survey type:	Measured
Age:	12-19
Sample size:	2230
Area covered:	National

References: Shamah-Levy T, Romero-Martínez M, Barrientos-Gutiérrez T, Cuevas-Nasu L, Bautista-Arredondo S, Colchero MA, Gaona-Pineda EB, Lazcano-Ponce E, Martínez-Barnetche J, Alpuche-Arana C, Rivera-Dommarco J. Encuesta Nacional de Salud y Nutrición 2021 sobre Covid-19. Resultados nacionales. Cuernavaca, México: Instituto Nacional de Salud Pública, 2022. <https://ensanut.insp.mx/encuestas/ensanutcontinua2021/informes.php> (Accessed 03.01.2023)

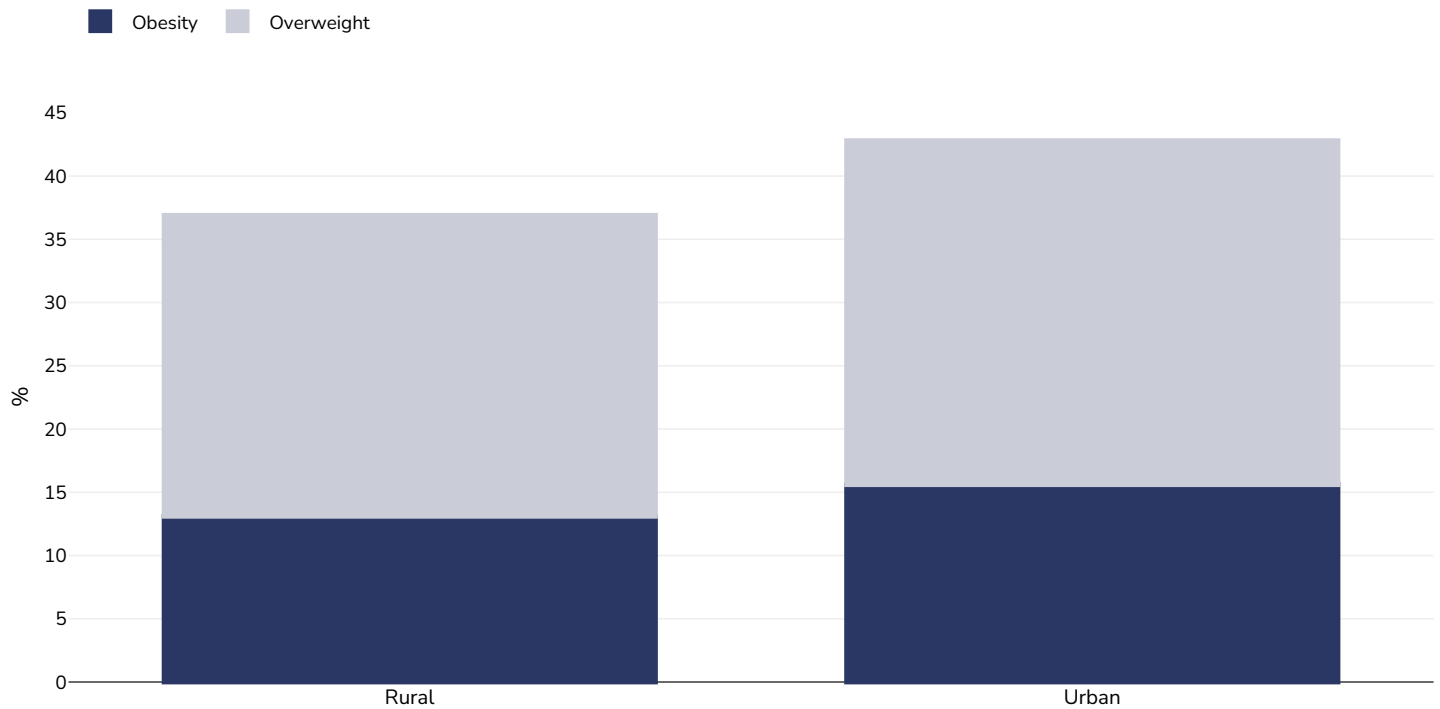
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## Boys, 2021



Survey type:	Measured
Age:	12-19
Sample size:	2230
Area covered:	National
References:	Shamah-Levy T, Romero-Martínez M, Barrientos-Gutiérrez T, Cuevas-Nasu L, Bautista-Arredondo S, Colchero MA, Gaona-Pineda EB, Lazcano-Ponce E, Martínez-Barnetche J, Alpuche-Arana C, Rivera-Dommarco J. Encuesta Nacional de Salud y Nutrición 2021 sobre Covid-19. Resultados nacionales. Cuernavaca, México: Instituto Nacional de Salud Pública, 2022. <a href="https://ensanut.insp.mx/encuestas/ensanutcontinua2021/informes.php">https://ensanut.insp.mx/encuestas/ensanutcontinua2021/informes.php</a> (Accessed 03.01.2023)
Cutoffs:	WHO Shamah-Levy T, Romero-Martínez M, Barrientos-Gutiérrez T, Cuevas-Nasu L, Bautista-Arredondo S, Colchero MA, Gaona-Pineda EB, Lazcano-Ponce E, Martínez-Barnetche J, Alpuche-Arana C, Rivera-Dommarco J. Encuesta Nacional de Salud y Nutrición 2021 sobre Covid-19. Resultados nacionales. Cuernavaca, México: Instituto Nacional de Salud Pública, 2022. <a href="https://ensanut.insp.mx/encuestas/ensanutcontinua2021/informes.php">https://ensanut.insp.mx/encuestas/ensanutcontinua2021/informes.php</a> (Accessed 03.01.2023)

## Girls, 2021



Survey type: Measured

Age: 12-19

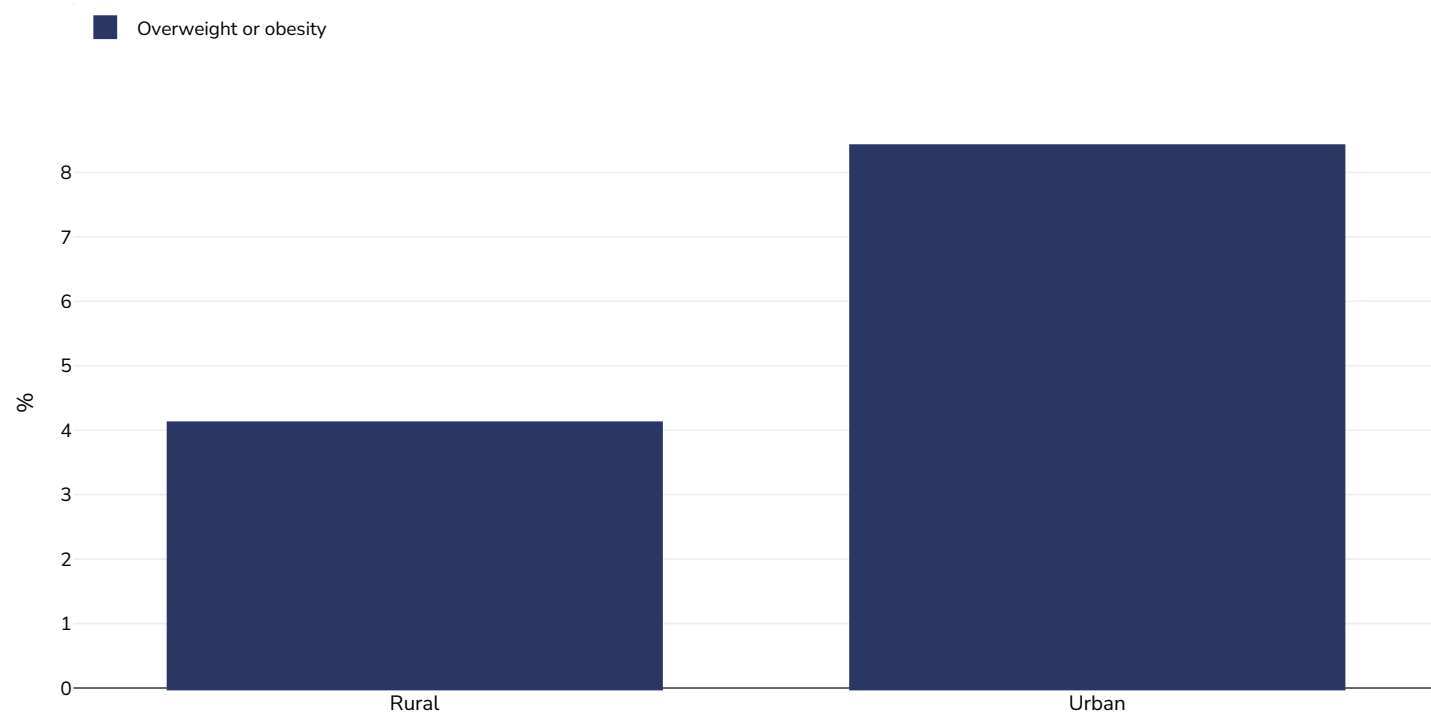
Sample size: 2230

Area covered: National

References: Shamah-Levy T, Romero-Martínez M, Barrientos-Gutiérrez T, Cuevas-Nasu L, Bautista-Arredondo S, Colchero MA, Gaona-Pineda EB, Lazcano-Ponce E, Martínez-Barnetche J, Alpuche-Arana C, Rivera-Dommarco J. Encuesta Nacional de Salud y Nutrición 2021 sobre Covid-19. Resultados nacionales. Cuernavaca, México: Instituto Nacional de Salud Pública, 2022. <https://ensanut.insp.mx/encuestas/ensanutcontinua2021/informes.php> (Accessed 03.01.2023)

Cutoffs: WHO Shamah-Levy T, Romero-Martínez M, Barrientos-Gutiérrez T, Cuevas-Nasu L, Bautista-Arredondo S, Colchero MA, Gaona-Pineda EB, Lazcano-Ponce E, Martínez-Barnetche J, Alpuche-Arana C, Rivera-Dommarco J. Encuesta Nacional de Salud y Nutrición 2021 sobre Covid-19. Resultados nacionales. Cuernavaca, México: Instituto Nacional de Salud Pública, 2022. <https://ensanut.insp.mx/encuestas/ensanutcontinua2021/informes.php> (Accessed 03.01.2023)

## Infants, 2021



Sample size: 9771967

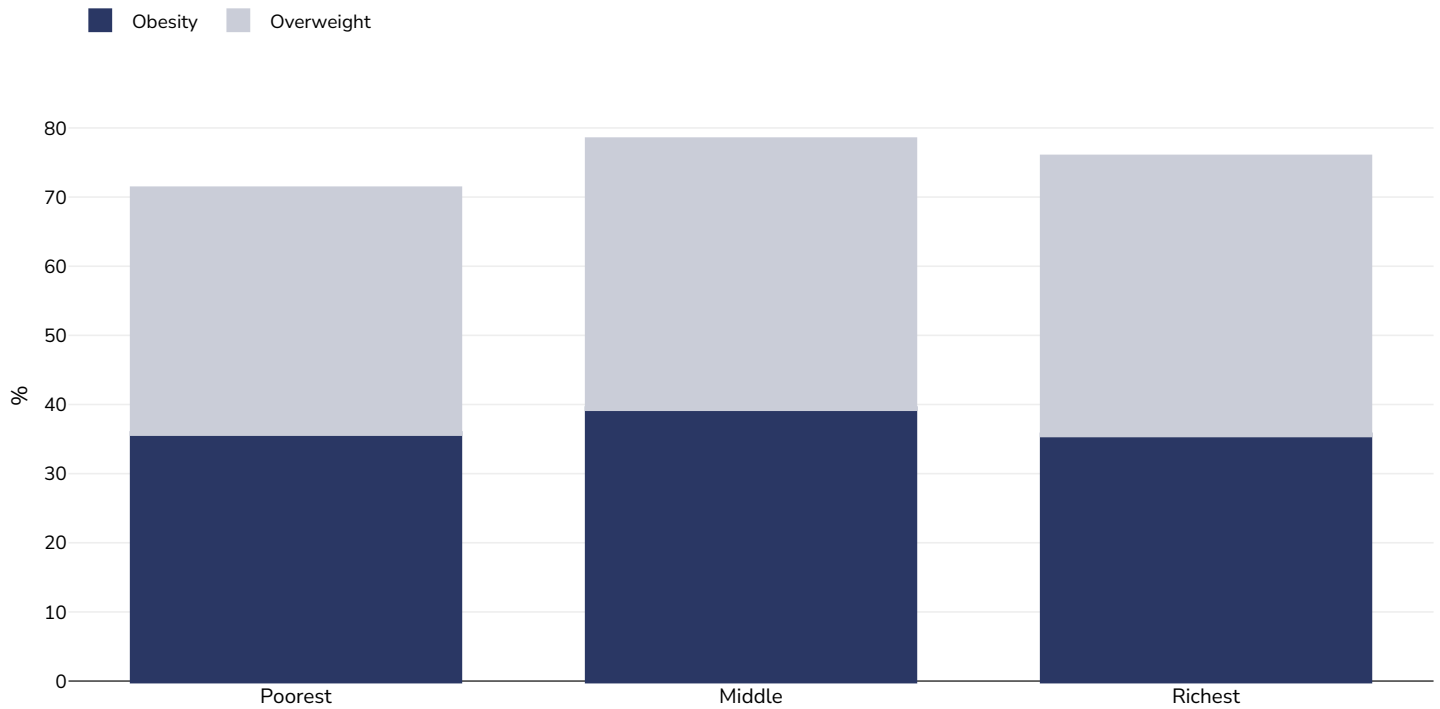
References: Other: Encuesta Nacional de Salud y Nutrición Continua, Mexico 2021

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

### Adults, 2022

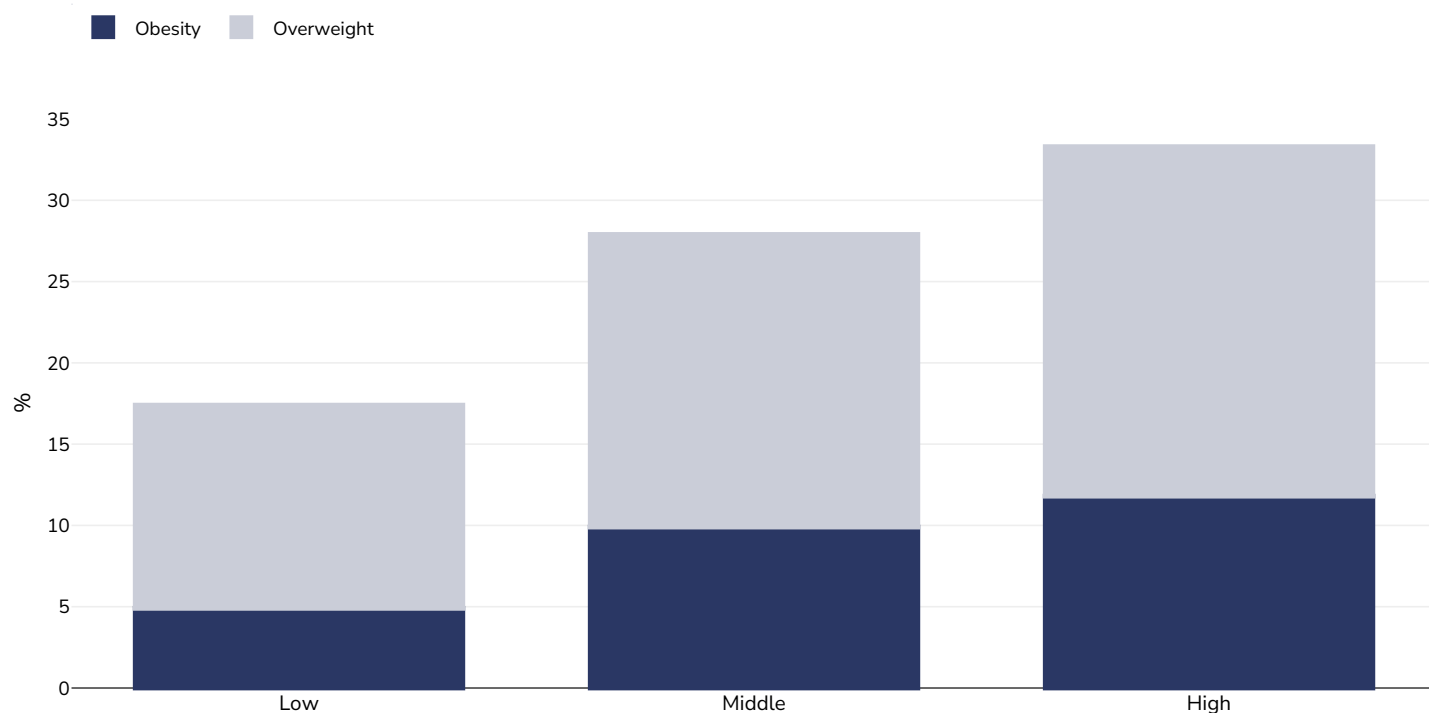


Survey type:	Measured
Age:	20+
Sample size:	8563
Area covered:	National

References: Campos-Nonato I, Galván-Valencia O, Hernández-Barrera L, Oviedo-Solís C, Barquera S. Prevalence of obesity and associated risk factors in Mexican adults: results of the Ensanut 2022. *Salud Publica Mex.* 2023;65(supl 1): S238-S247. <https://doi.org/10.21149/14809>. Available at <https://saludpublica.mx/index.php/spm/article/view/14809/12424> (last accessed 11.12.23)

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## Children, 2006



Survey type: Measured

Age: 5-11

Sample size: Children aged 5-11yr: n=15111

Area covered: National: Mexican National Health and Nutrition Survey 2006 (ENSANUT 2006)

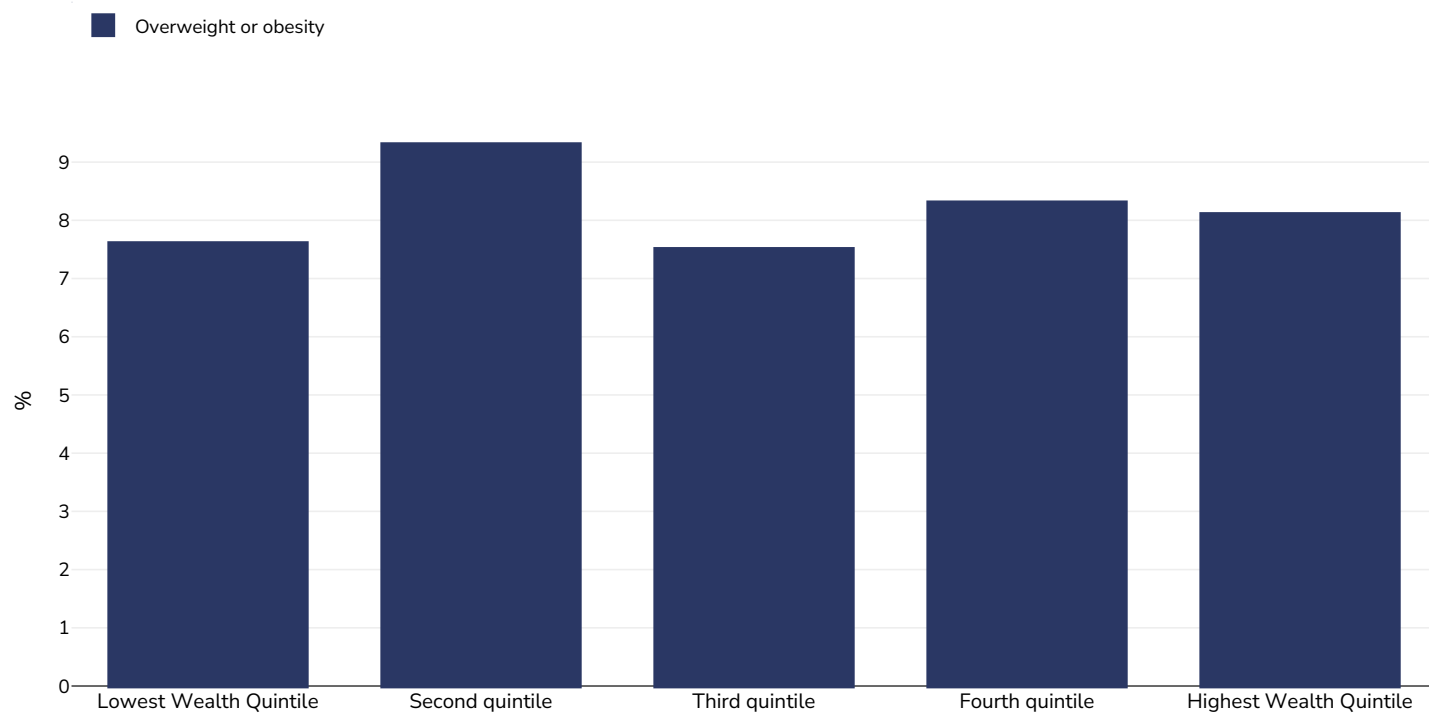
References: Bonvecchio A, Safdie M, Monterrubio EA, Gust T, Villalpando S, Rivera JA. Overweight and obesity trends in Mexican children 2 to 18 years of age from 1988 to 2006. *Salud Publica Mex* 2009;51 suppl 4:S586-S594.

Notes: Prevalence of overweight and obesity by Socioeconomic Level. Overweight and obesity were classified according to IOTF criteria, based on BMI measurements, with cutoff points for BMI based on an international reference population drafted from seven countries, specific for age and sex. Said cutoff points are a projection of the criteria proposed by WHO for diagnosing overweight (BMI of 25-29.9) and obesity (BMI of 30 or more) in adults.

Cutoffs: IOTF



## Infants, 2020



Sample size: 9891242

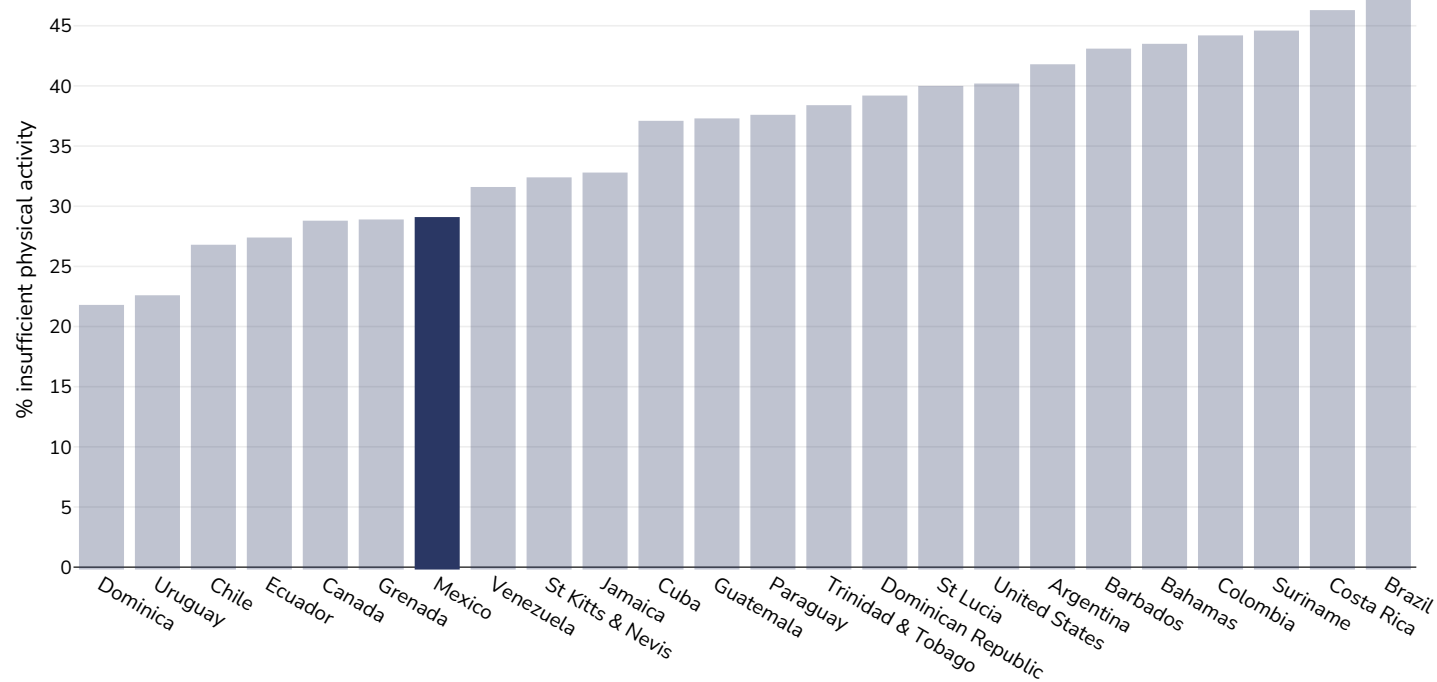
References: Other: Encuesta Nacional de Salud y Nutrición Continua COVID-19, Mexico 2020

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

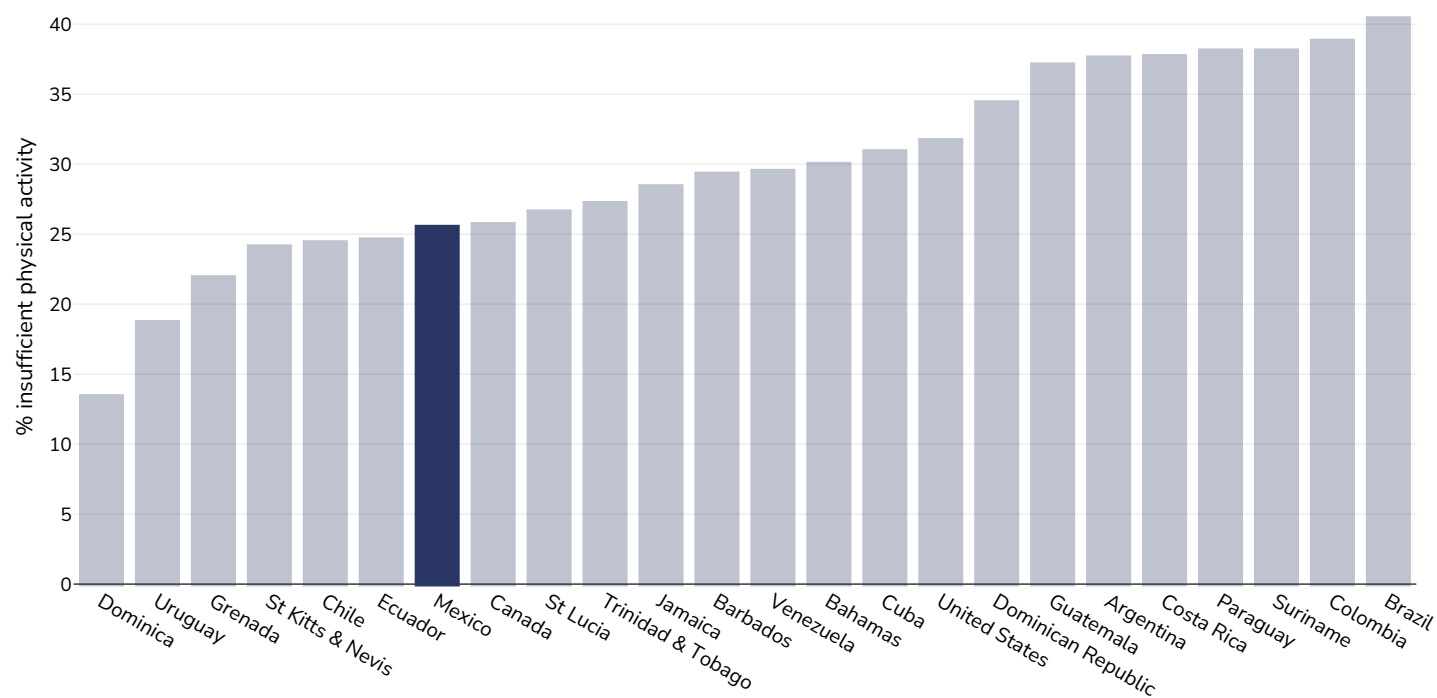
## Insufficient physical activity

Adults, 2016



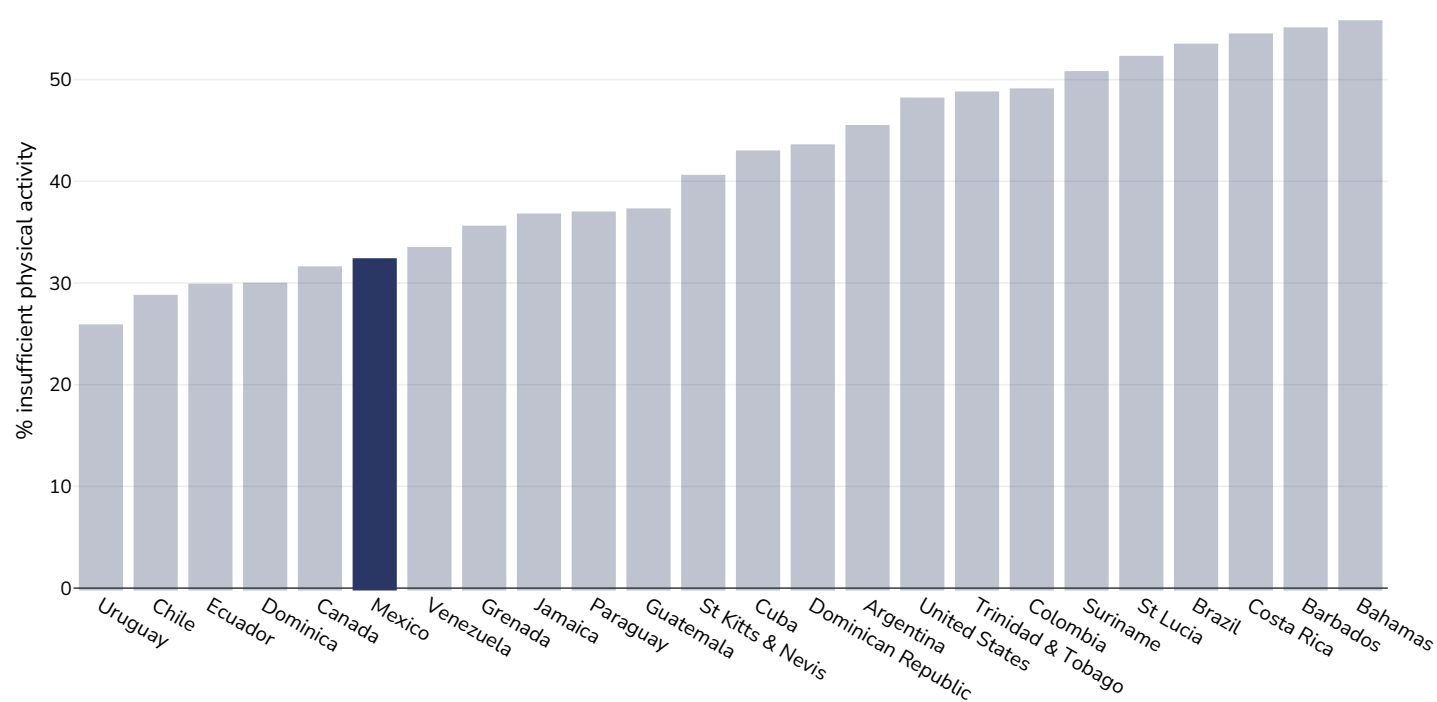
References: Guthold R, Stevens GA, Riley LM, Bull FC. Worldwide trends in insufficient physical activity from 2001 to 2016: a pooled analysis of 358 population-based surveys with 1.9 million participants. *Lancet* 2018 [http://dx.doi.org/10.1016/S2214-109X\(18\)30357-7](http://dx.doi.org/10.1016/S2214-109X(18)30357-7)

## Men, 2016



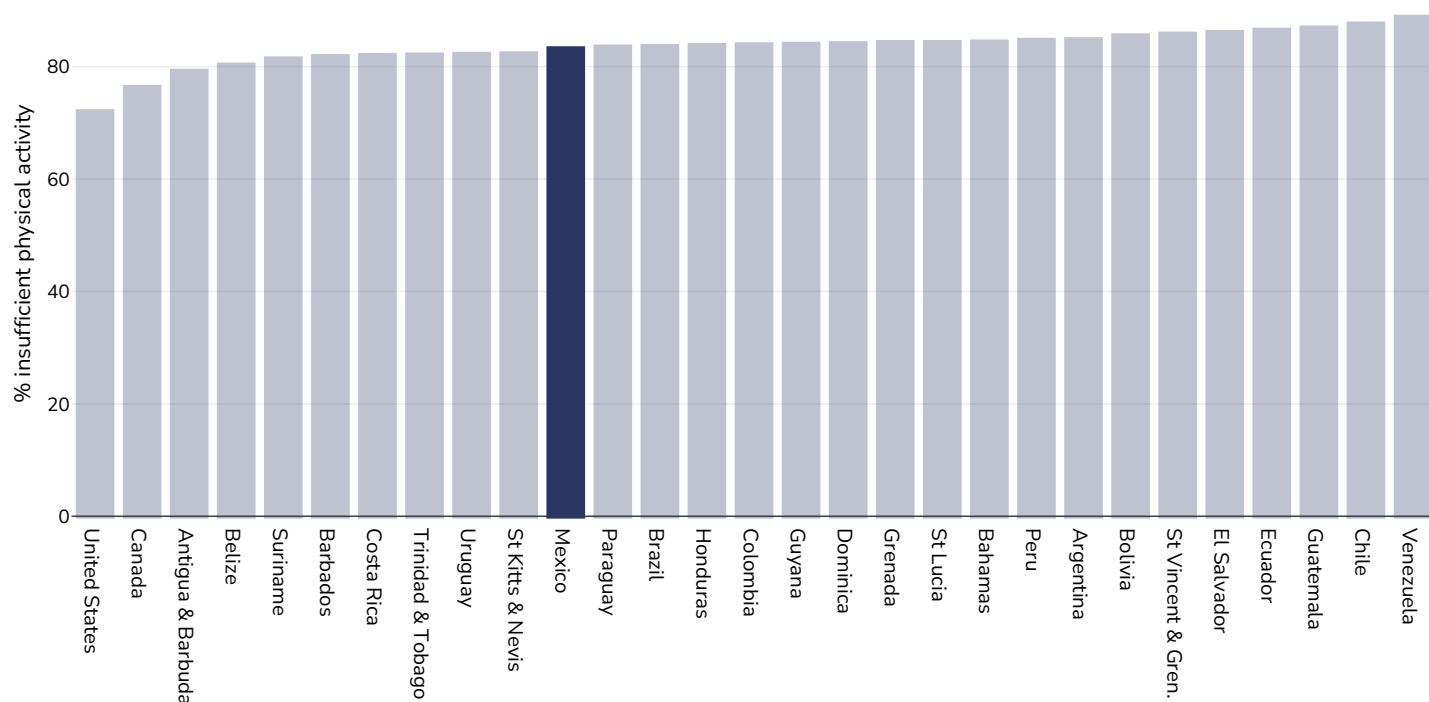
References: Guthold R, Stevens GA, Riley LM, Bull FC. Worldwide trends in insufficient physical activity from 2001 to 2016: a pooled analysis of 358 population-based surveys with 1.9 million participants. Lancet 2018 [http://dx.doi.org/10.1016/S2214-109X\(18\)30357-7](http://dx.doi.org/10.1016/S2214-109X(18)30357-7)

## 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](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)

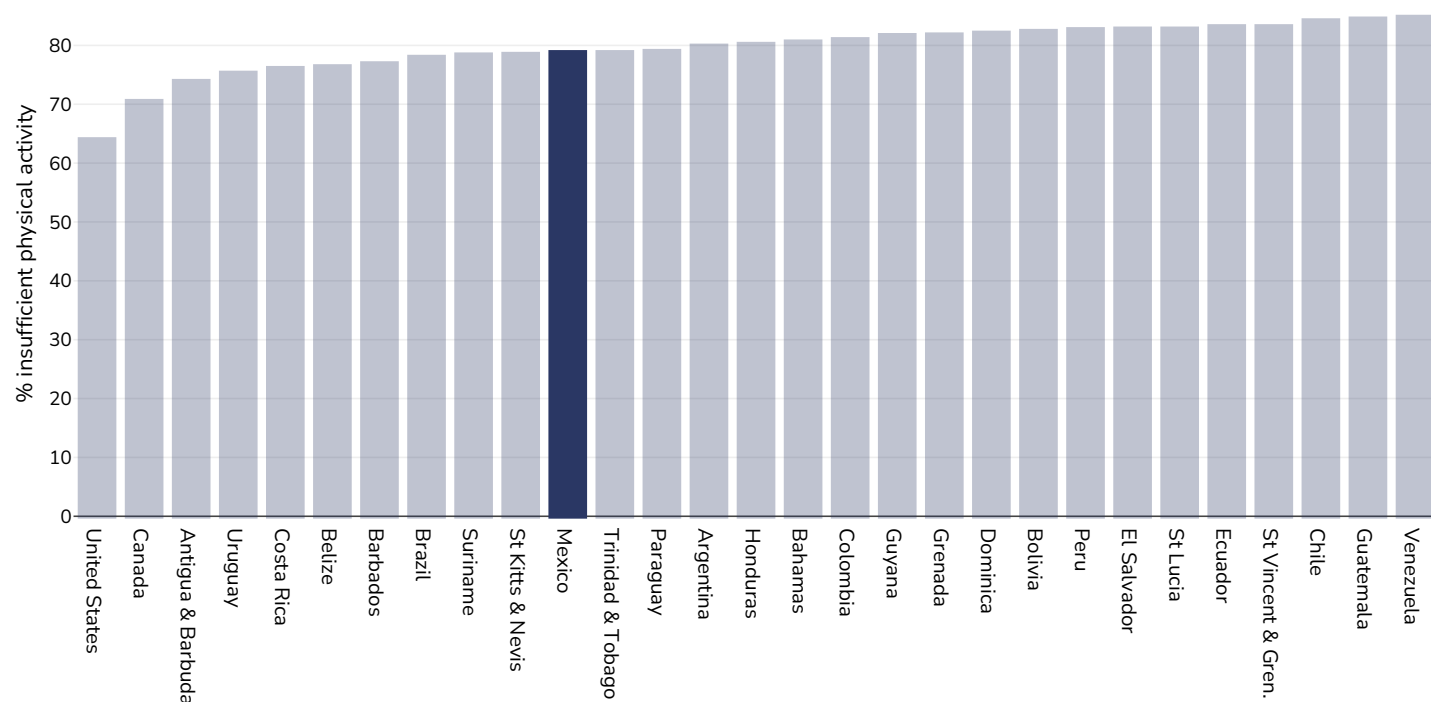
Notes:

% 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

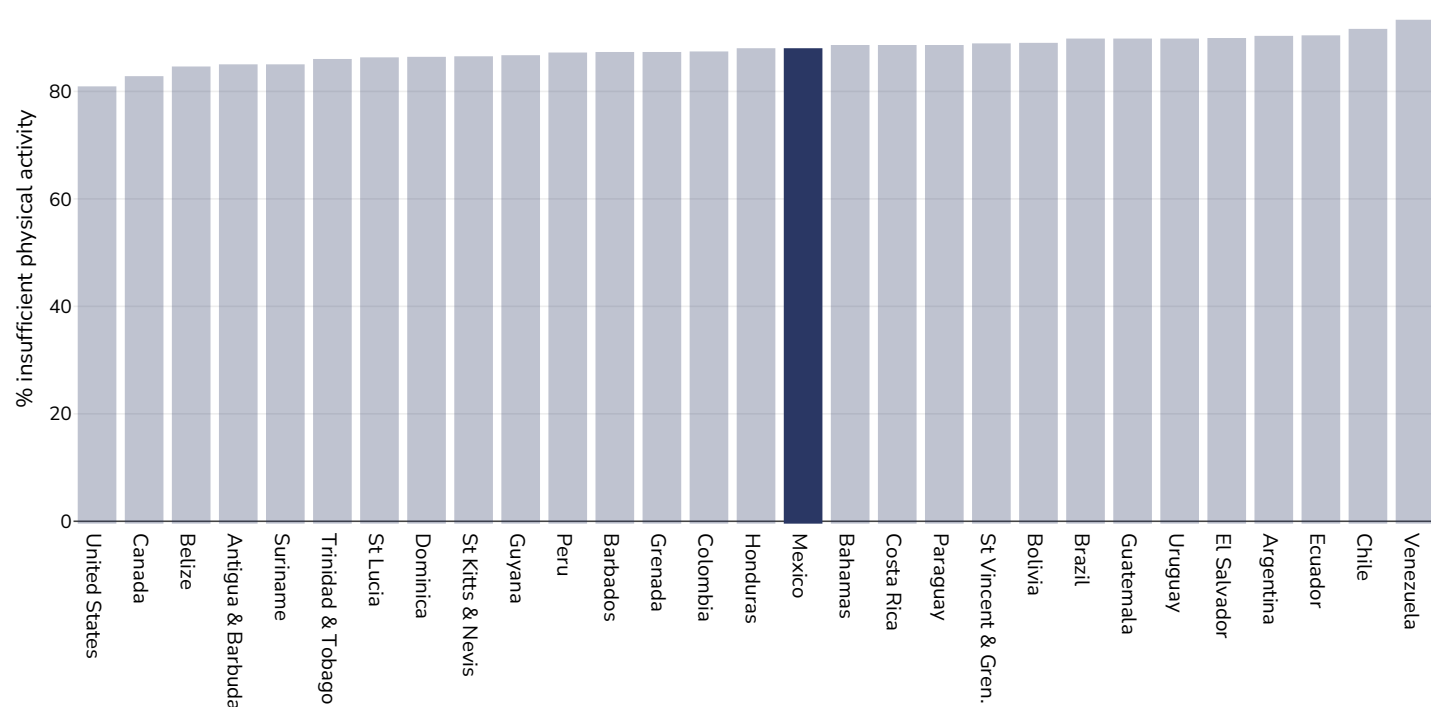
Age: 11-17

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

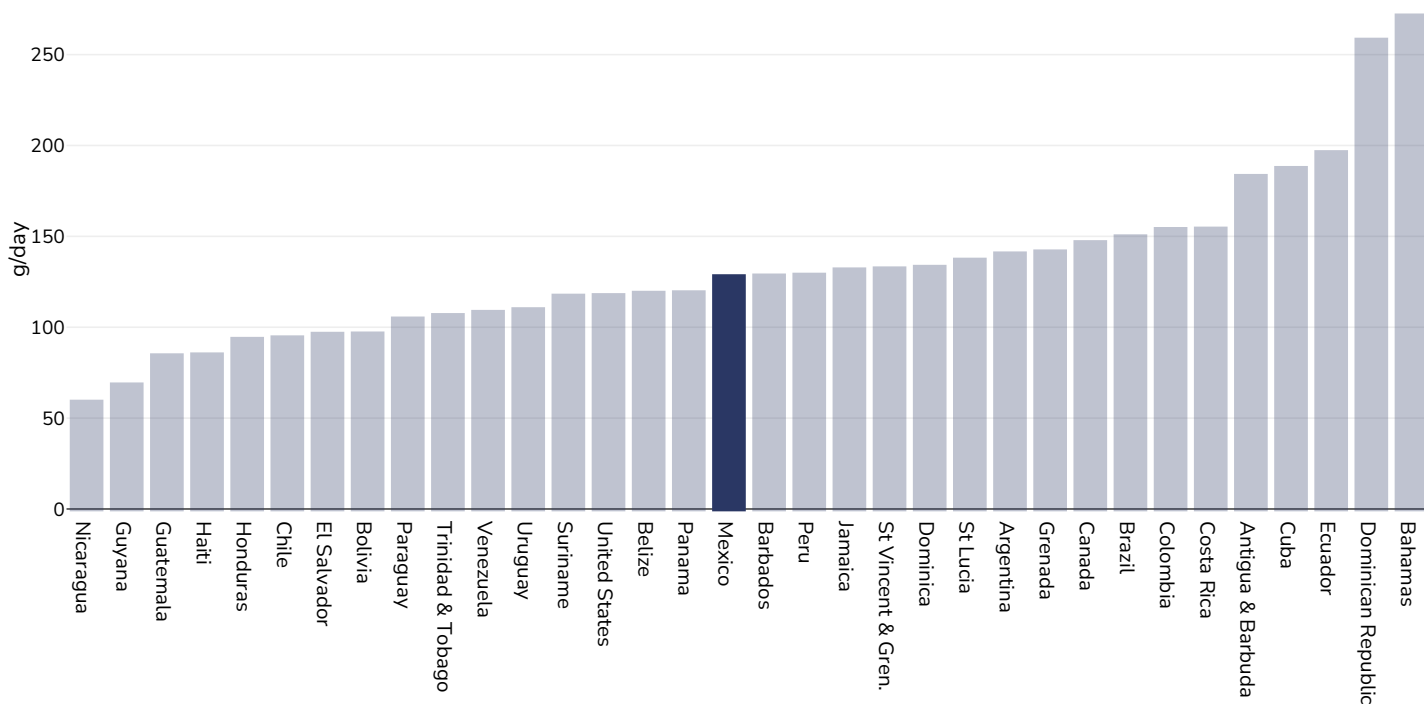
References: Global Health Observatory data repository, World Health Organisation, <https://apps.who.int/gho/data/node.main.A893ADO?lang=en> (last accessed 16.03.21)

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)

## 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/>

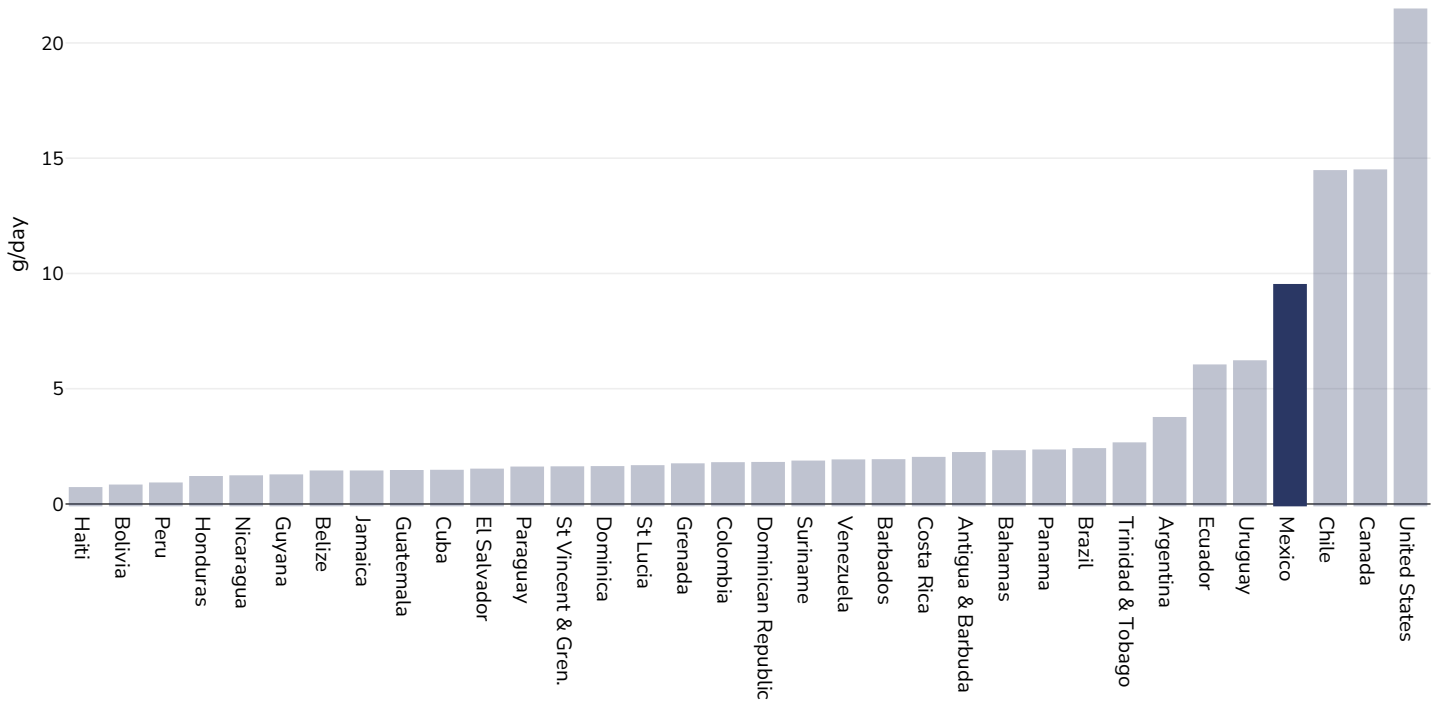
Definitions:

Estimated per-capita fruit intake (g/day)



## Estimated per-capita processed meat intake

Adults, 2017



Survey type:

Measured

Age:

25+

References:

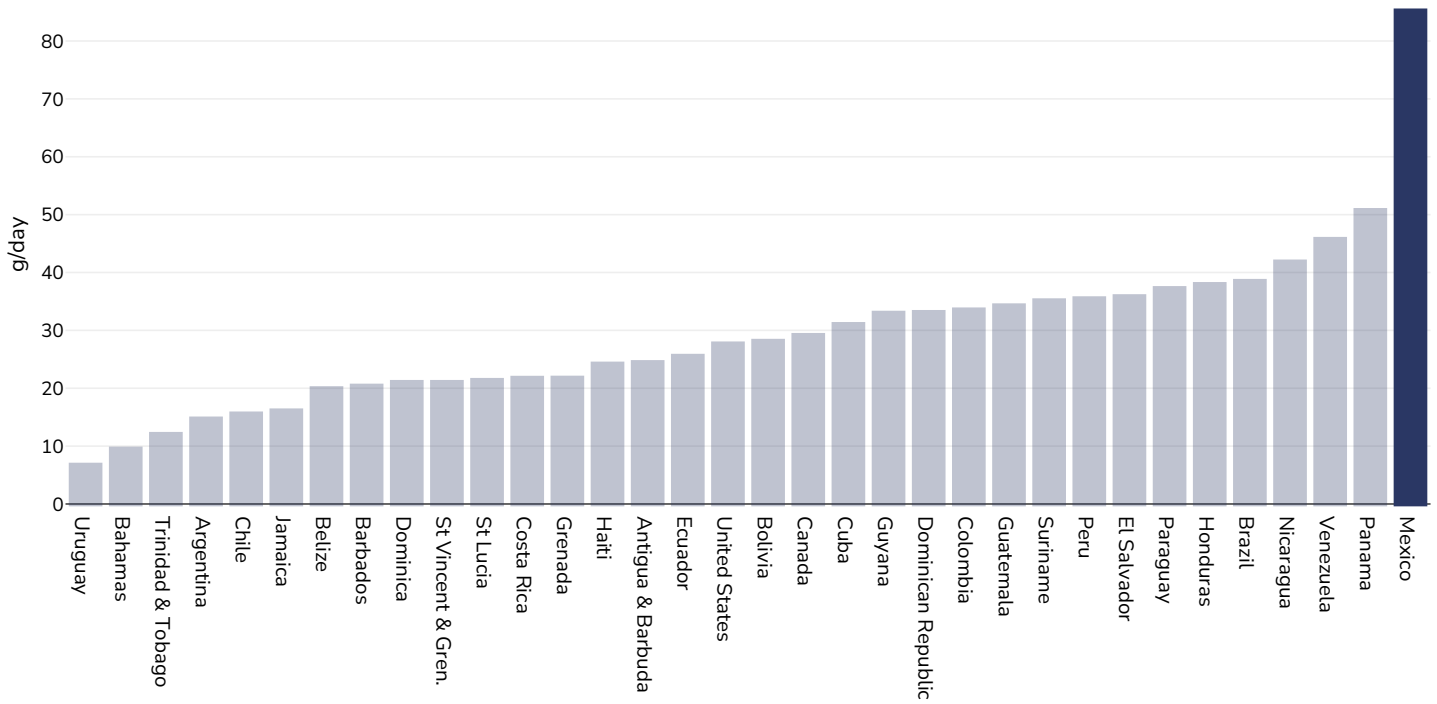
Global Burden of Disease, the Institute for Health Metrics and Evaluation <http://ghdx.healthdata.org/>

Definitions:

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

## Estimated per capita whole grains intake

### Adults, 2017



Survey type:

Measured

Age:

25+

References:

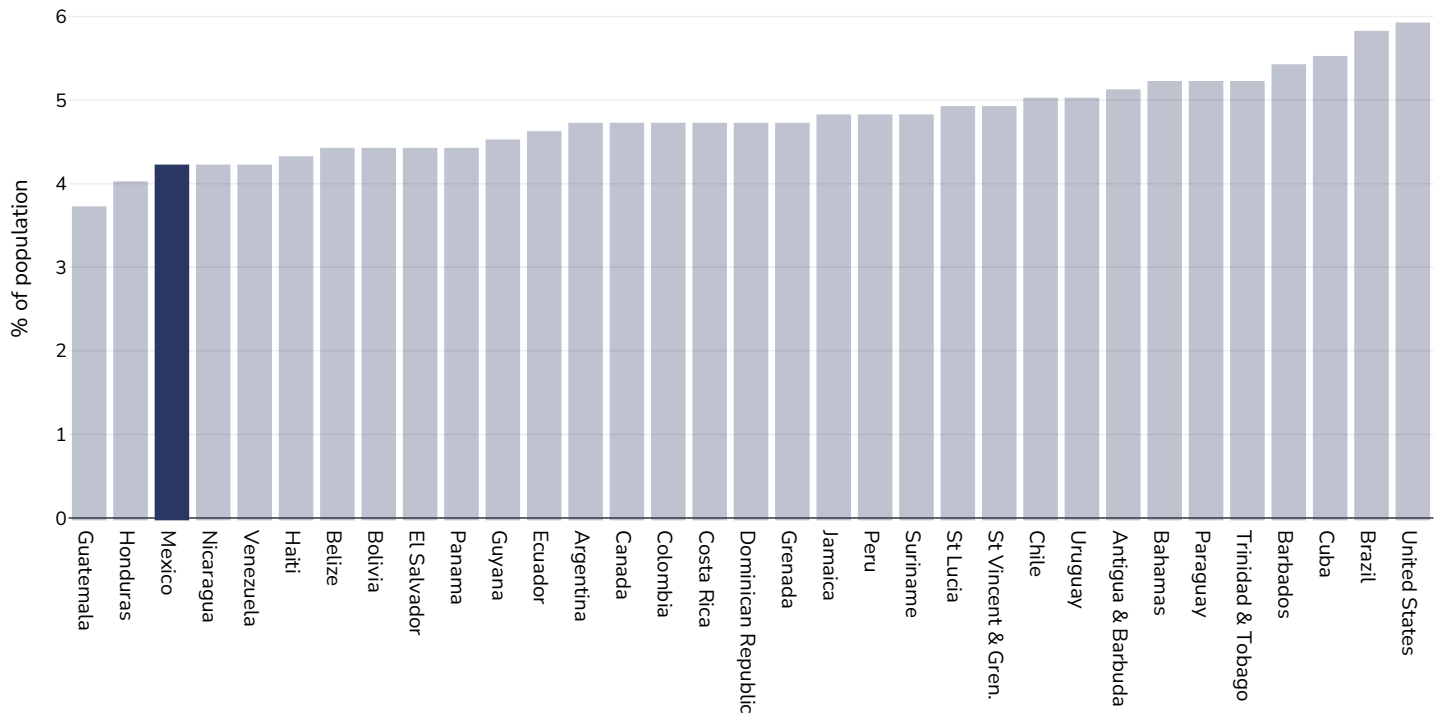
Global Burden of Disease, the Institute for Health Metrics and Evaluation <http://ghdx.healthdata.org/>

Definitions:

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

## Mental health - depression disorders

### Adults, 2015

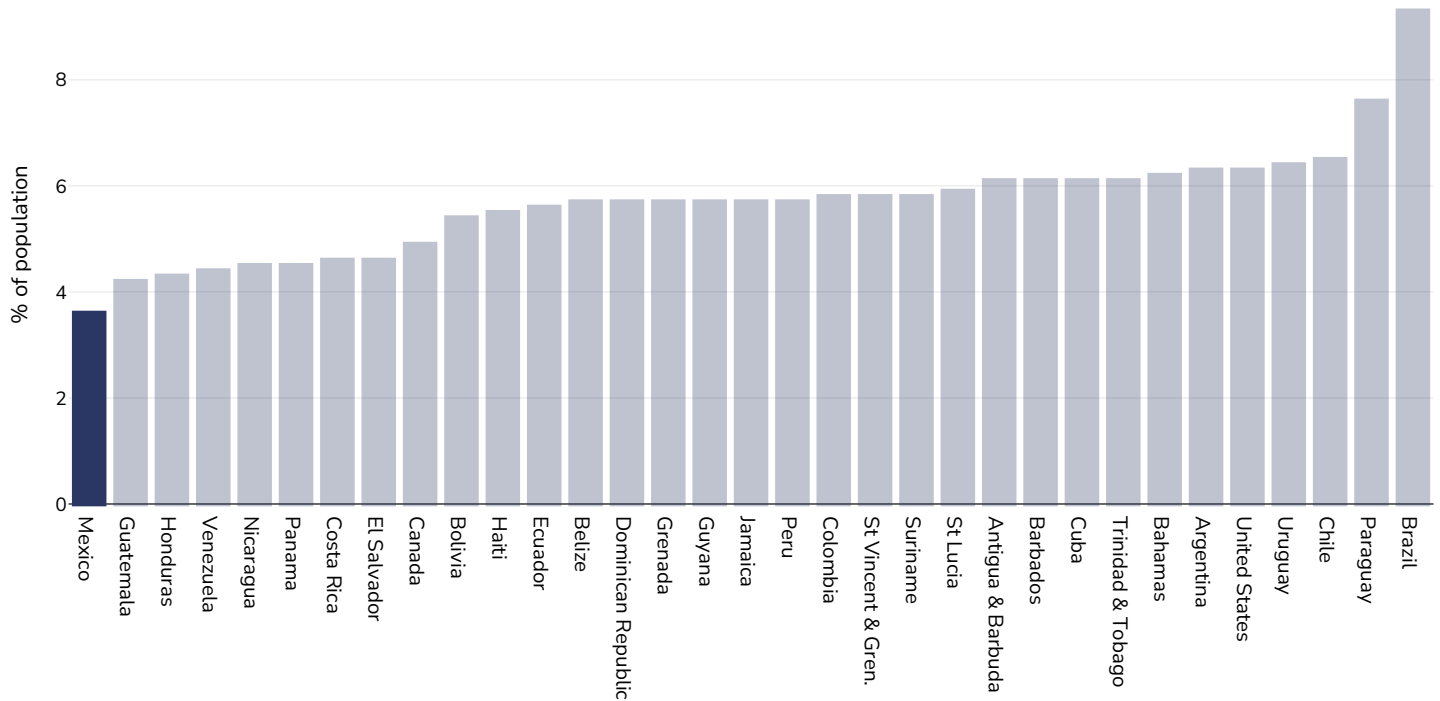


References: Prevalence data from Global Burden of Disease study 2015 (<http://ghdx.healthdata.org>) published in: Depression and Other Common Mental Disorders: Global Health Estimates. Geneva:World Health Organization; 2017. Licence: CC BY-NC-SA 3.0 IGO.

Definitions: % of population with depression disorders

## Mental health - anxiety disorders

Adults, 2015

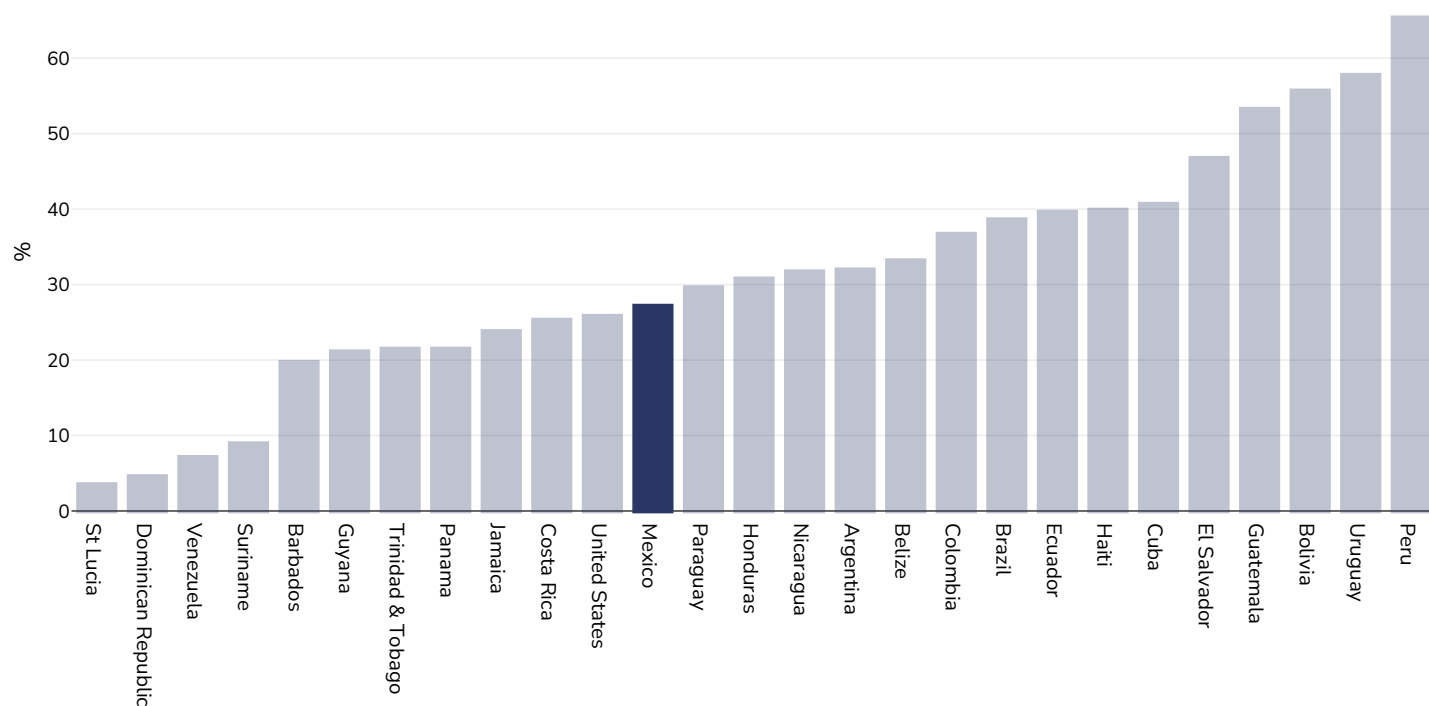


References: Prevalence data from Global Burden of Disease study 2015 (<http://ghdx.healthdata.org>) published in: Depression and Other Common Mental Disorders: Global Health Estimates. Geneva:World Health Organization; 2017. Licence: CC BY-NC-SA 3.0 IGO.

Definitions: % of population with anxiety disorders

## % Infants exclusively breastfed 0-5 months

### Children, 1998-2019



Area covered: National

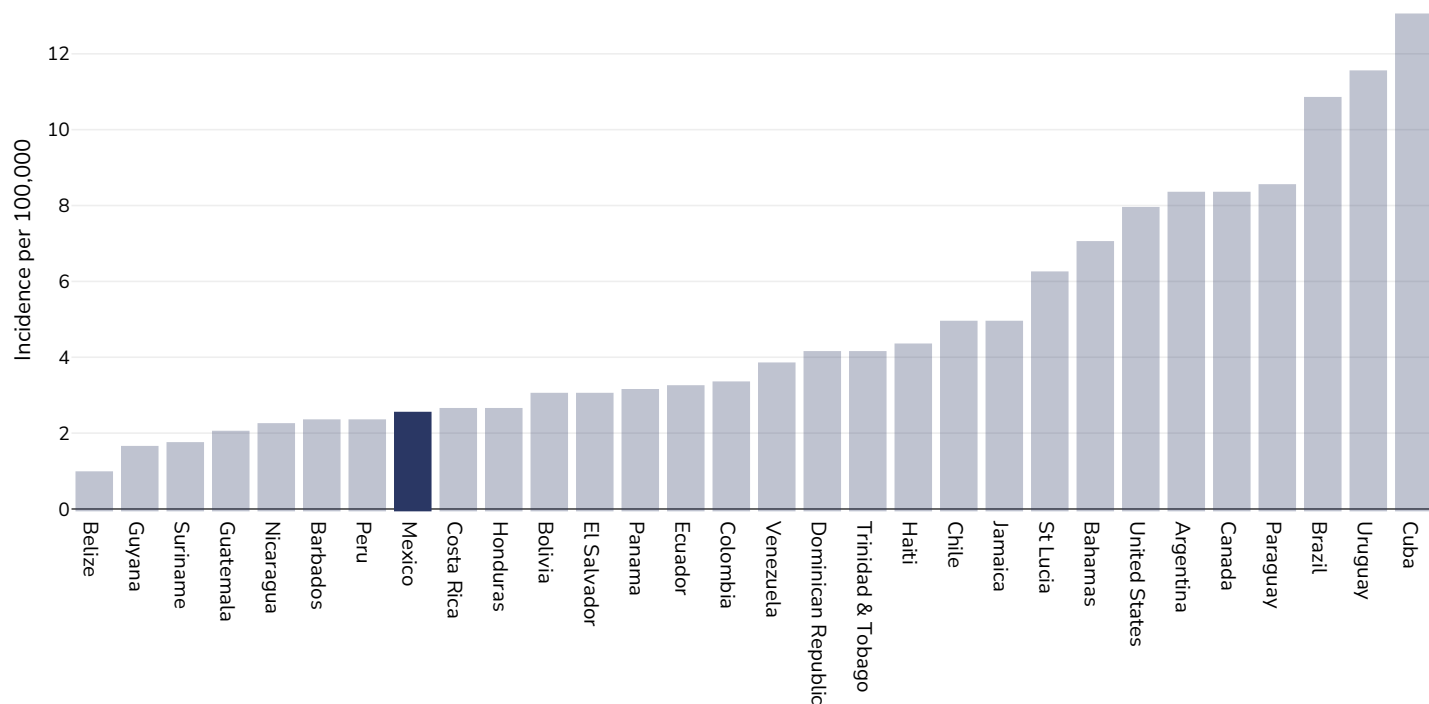
References: Encuesta nacional de salud y nutrición 2018. Cuernavaca, México: Instituto Nacional de Salud Pública, 2019

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



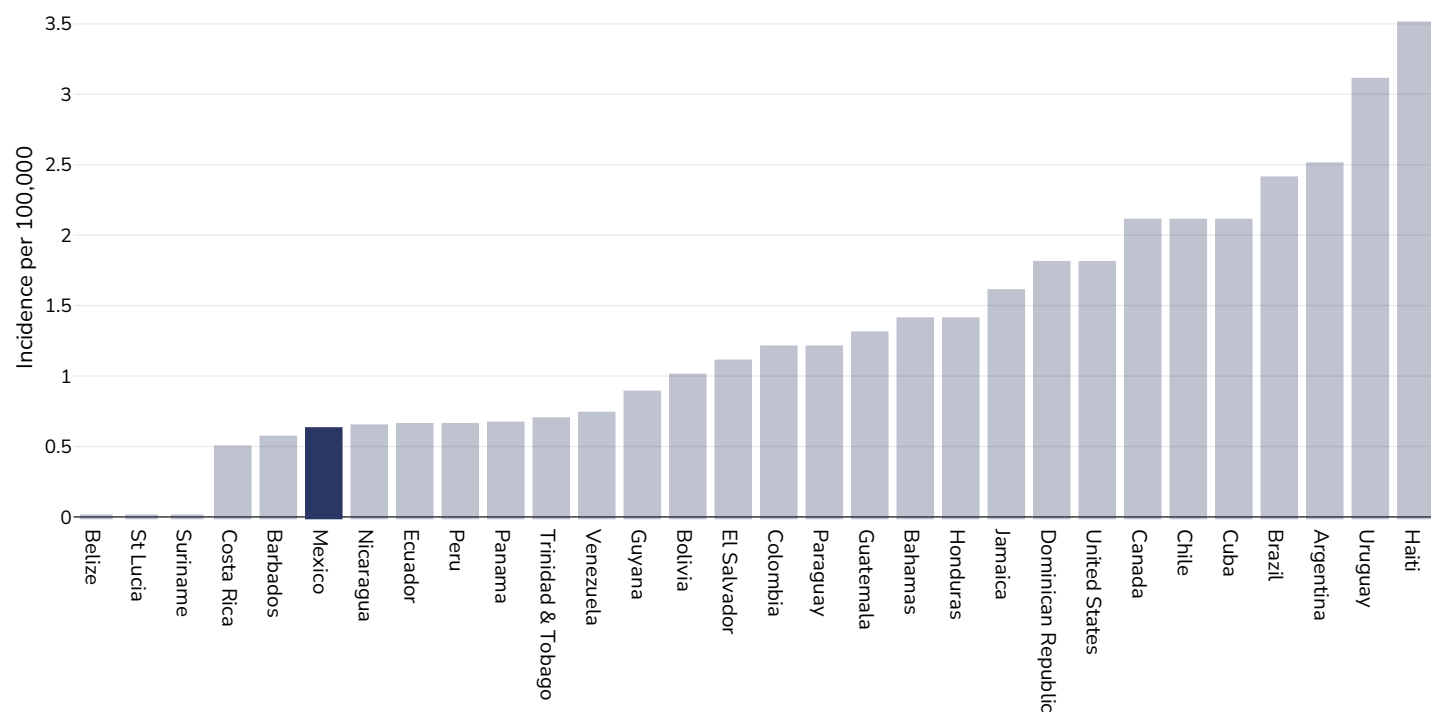
Age: 20+

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 10.01.2243

Definitions: Age-standardized incidence rates per 100 000

## Women, 2020



Age: 20+

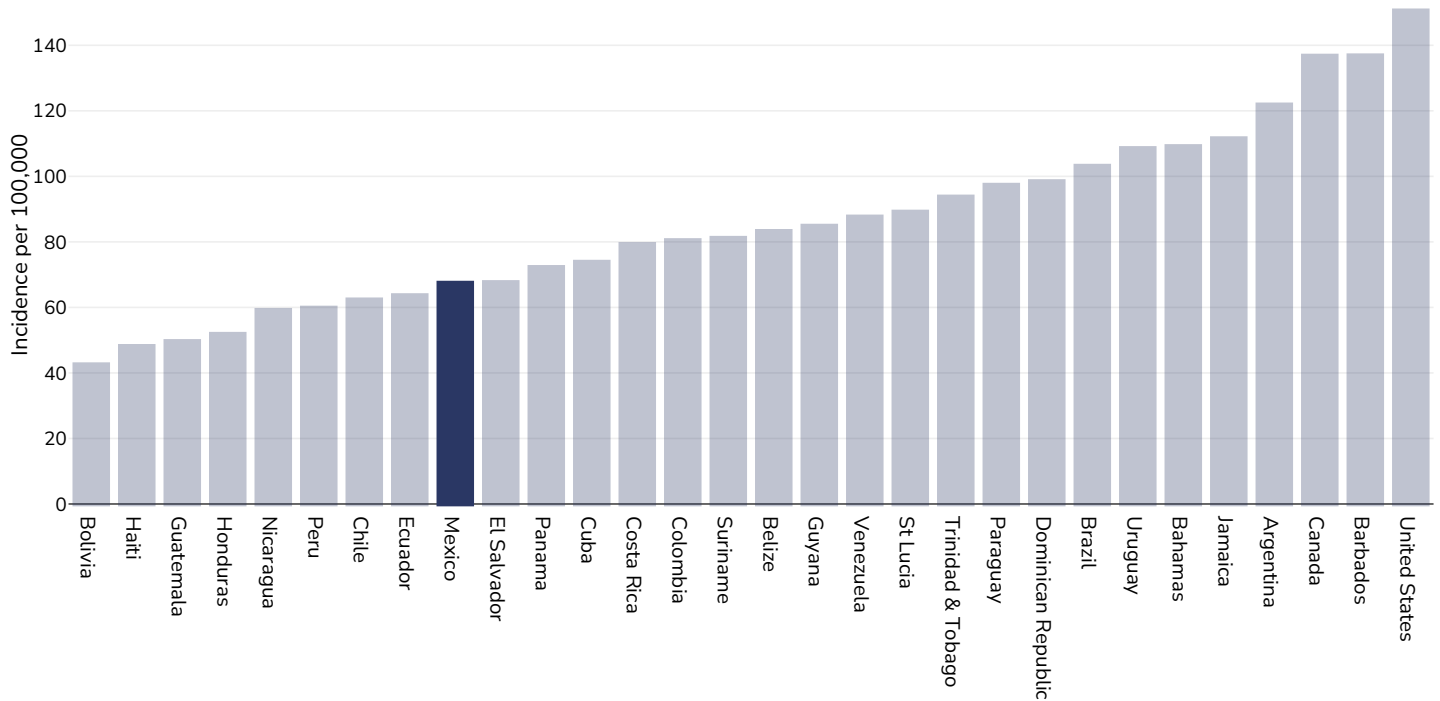
Area covered: National

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 10.01.2243

Definitions: Age-standardized incidence rates per 100 000

## Breast cancer

### Women, 2020



Age: 20+

Area covered: National

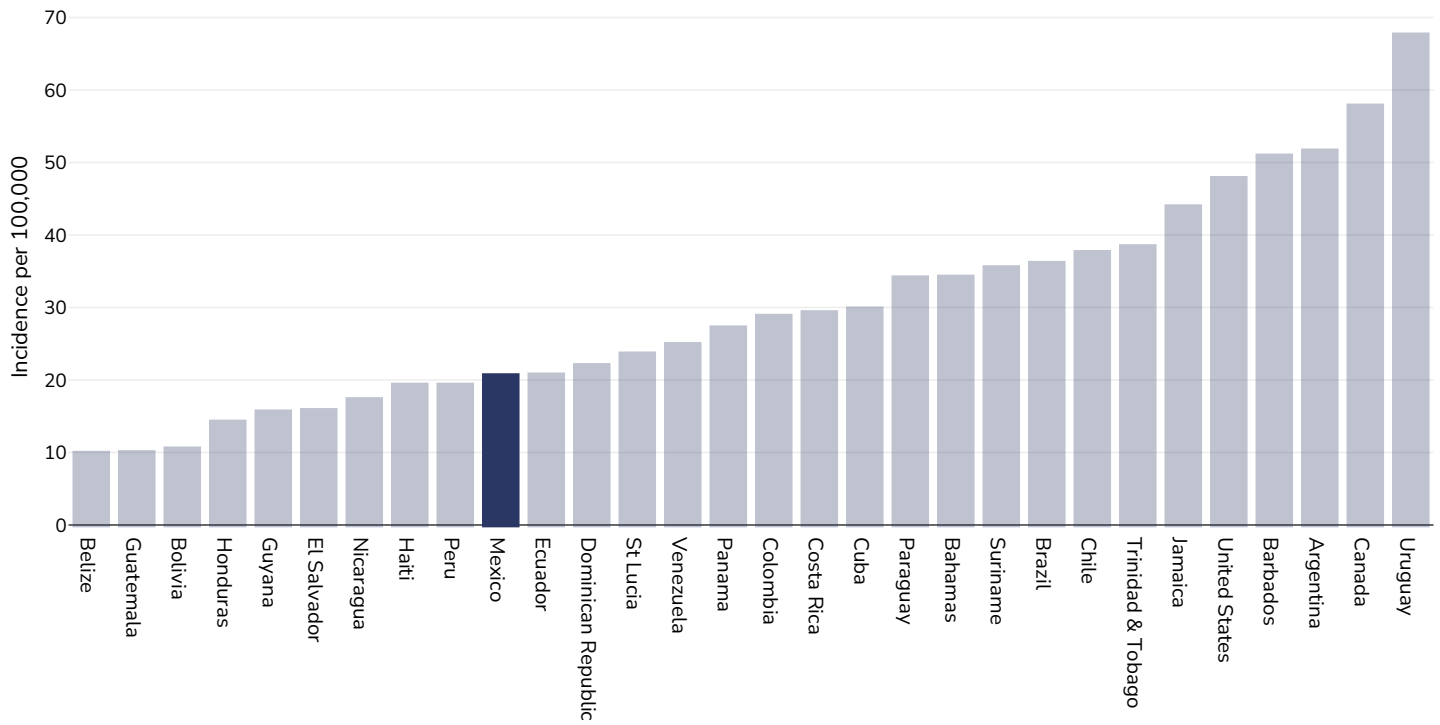
References: Ferlay J, Ervik M, Lam F, Colombet M, Mery L, Piñeros M, Znaor A, Soerjomataram I, Bray F (2020). Global Cancer Observatory: Cancer Today. Lyon, France: International Agency for Research on Cancer. Available from: <https://gco.iarc.fr/today>, accessed 10.01.2243

Definitions: Age-standardized incidence rates per 100 000



## Colorectal cancer

### Men, 2020



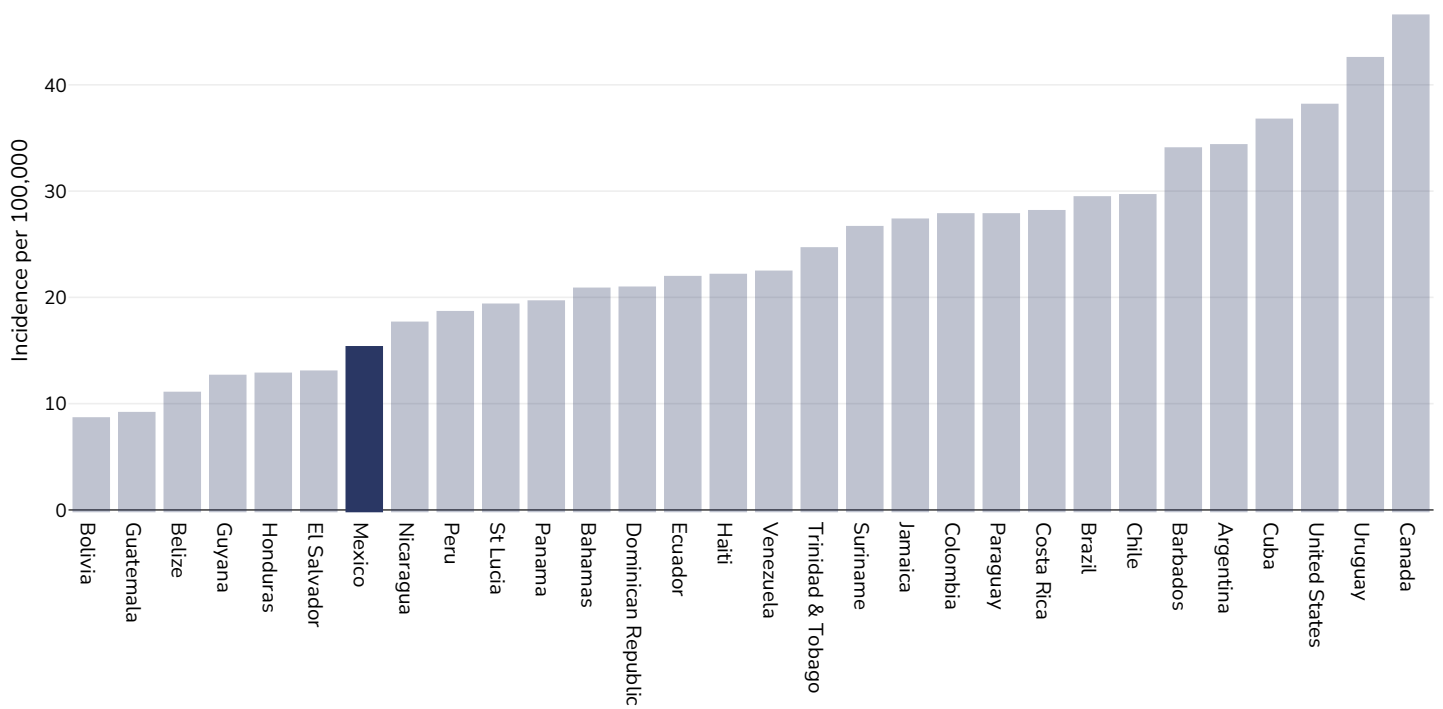
Age: 20+

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 10.01.2243

Definitions: Age-standardized incidence rates per 100 000

## Women, 2020



Age: 20+

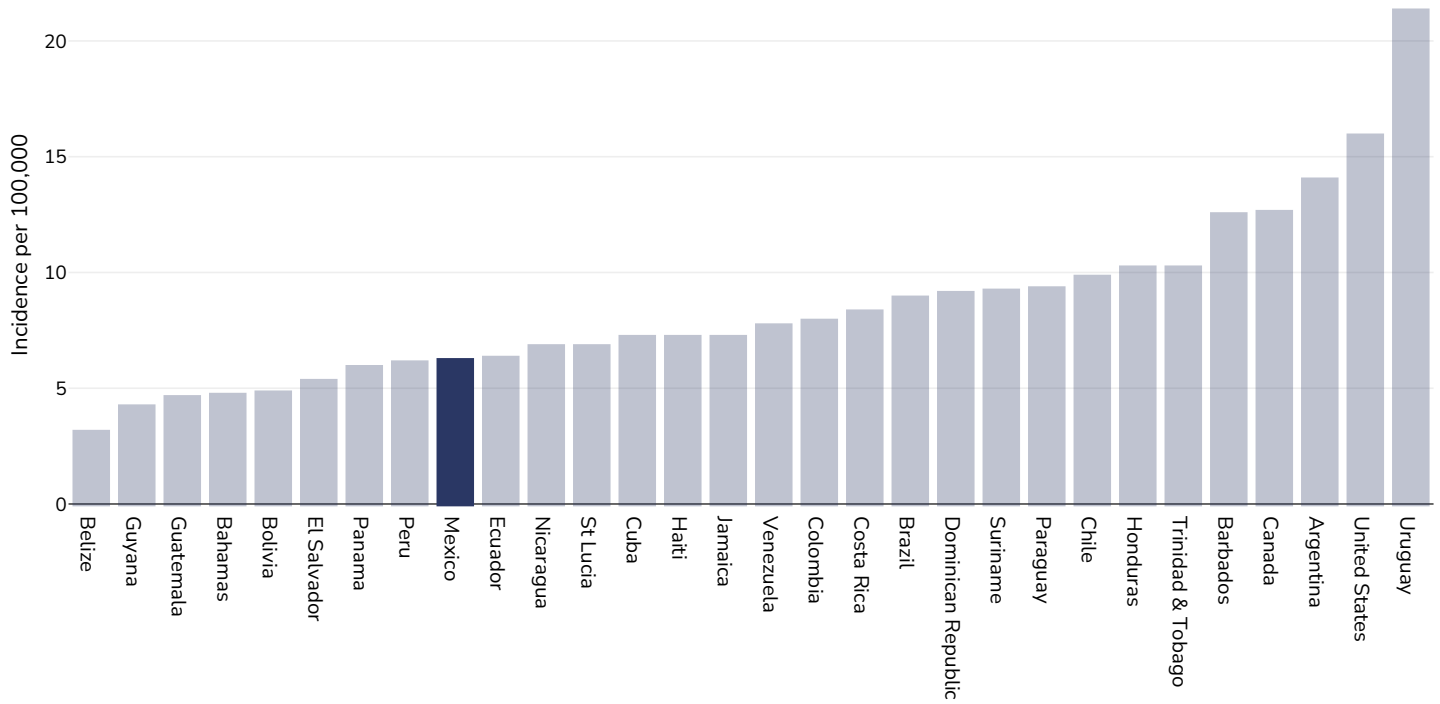
Area covered: National

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 10.01.2243

Definitions: Age-standardized incidence rates per 100 000

## Pancreatic cancer

### Men, 2020



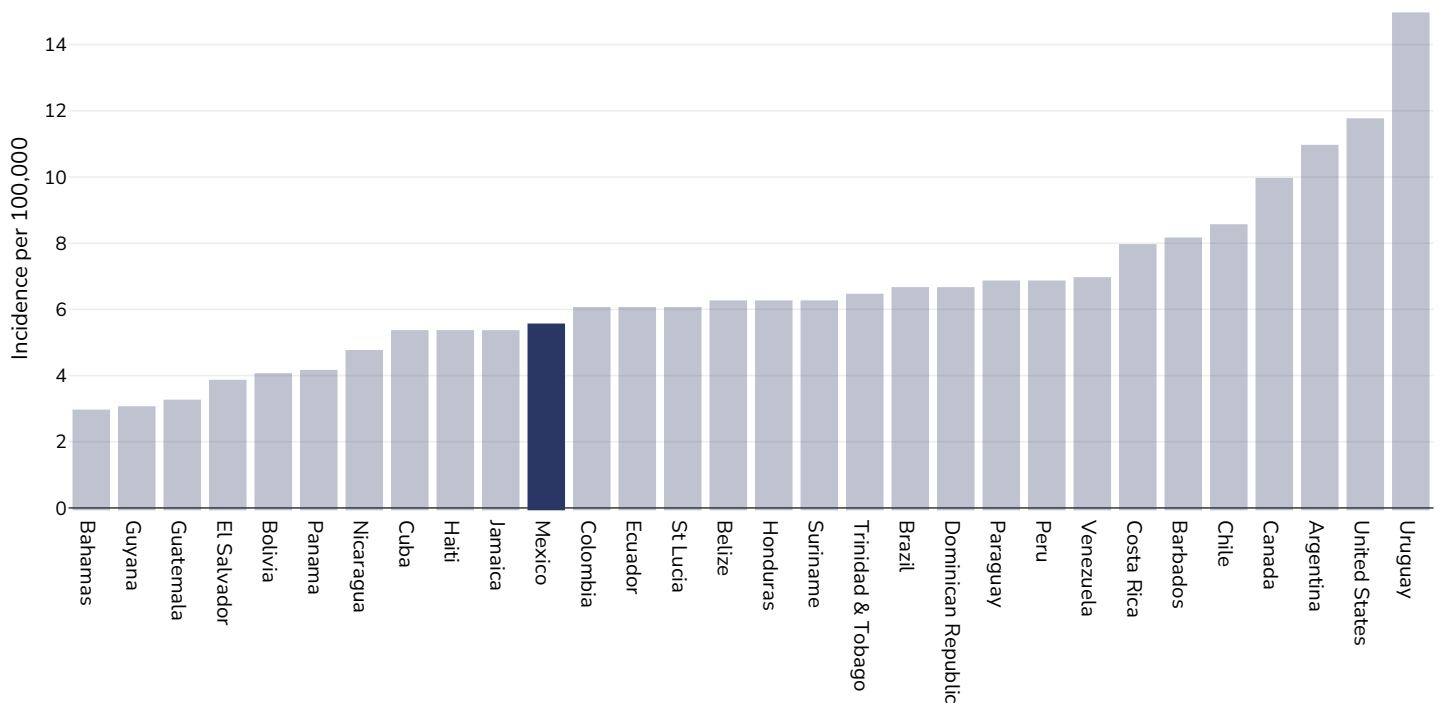
Age: 20+

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 10.01.2243

Definitions: Age-standardized incidence rates per 100 000

## Women, 2020



Age: 20+

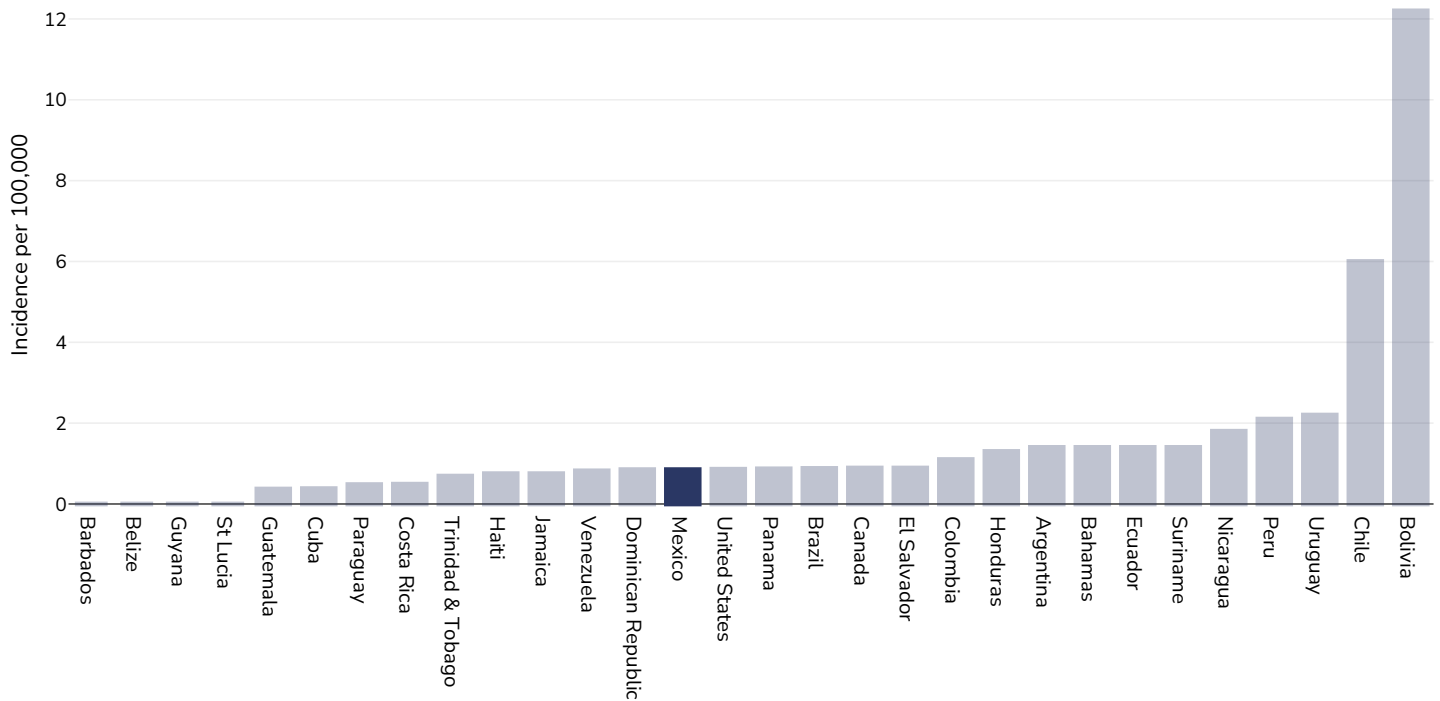
Area covered: National

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 10.01.2243

Definitions: Age-standardized incidence rates per 100 000

## Gallbladder cancer

### Men, 2020



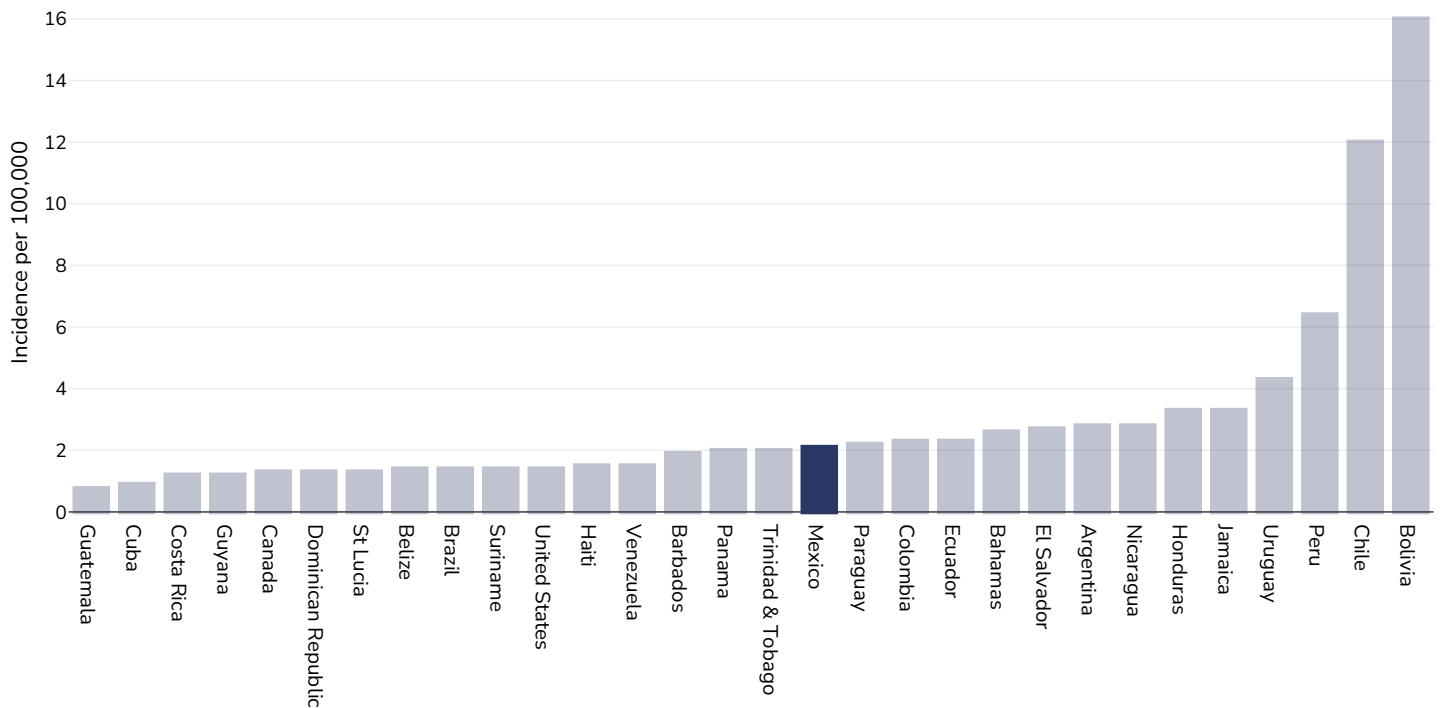
Age: 20+

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 10.01.2243

Definitions: Age-standardized incidence rates per 100 000

## Women, 2020



Age: 20+

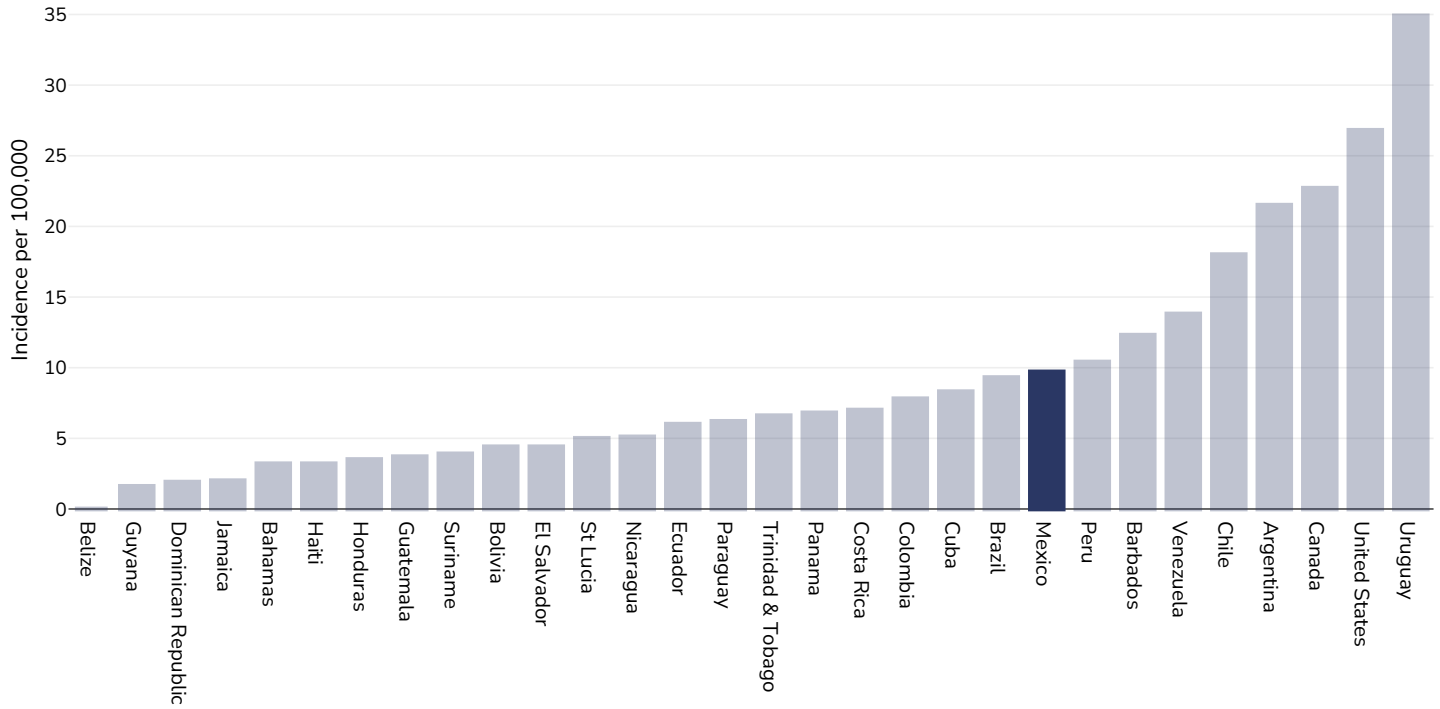
Area covered: National

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 10.01.2243

Definitions: Age-standardized incidence rates per 100 000

## Kidney cancer

### Men, 2020



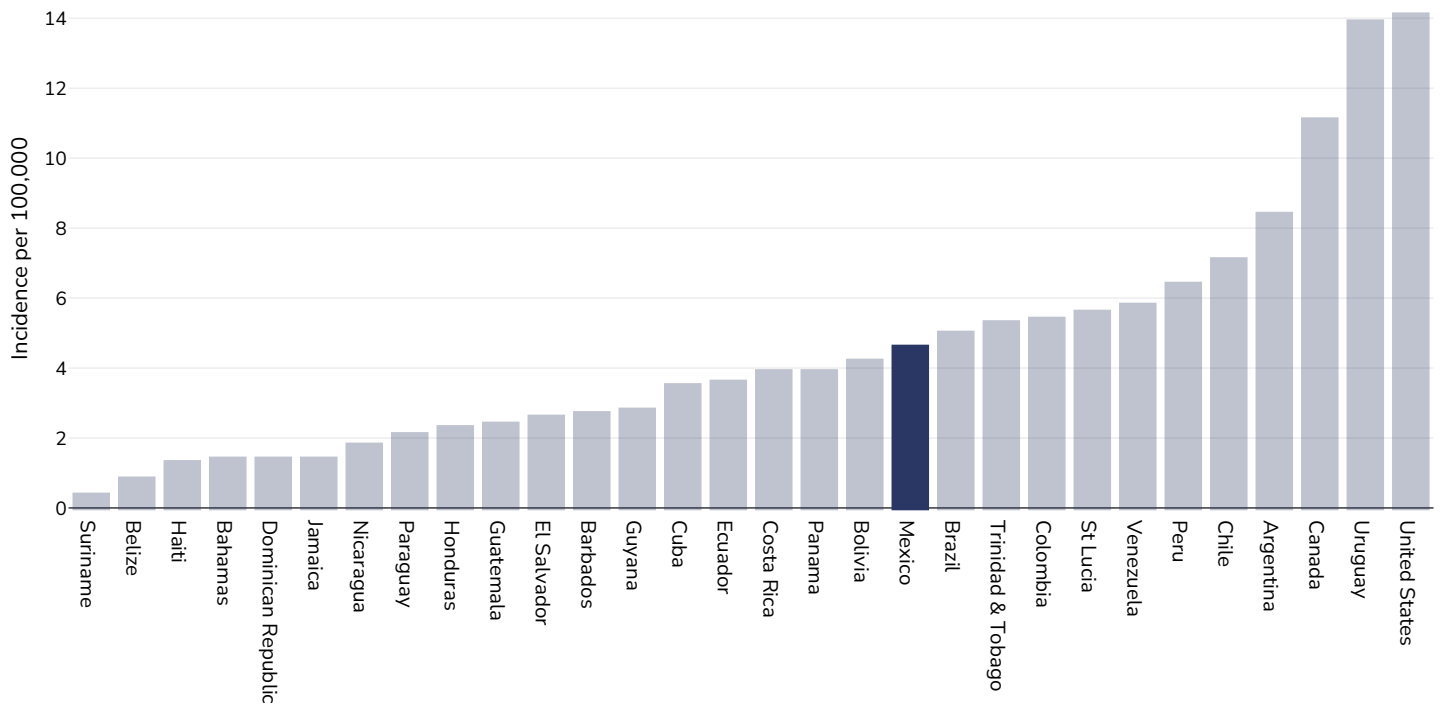
Age: 20+

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 10.01.2243

Definitions: Age-standardized incidence rates per 100 000

## Women, 2020



Age: 20+

Area covered: National

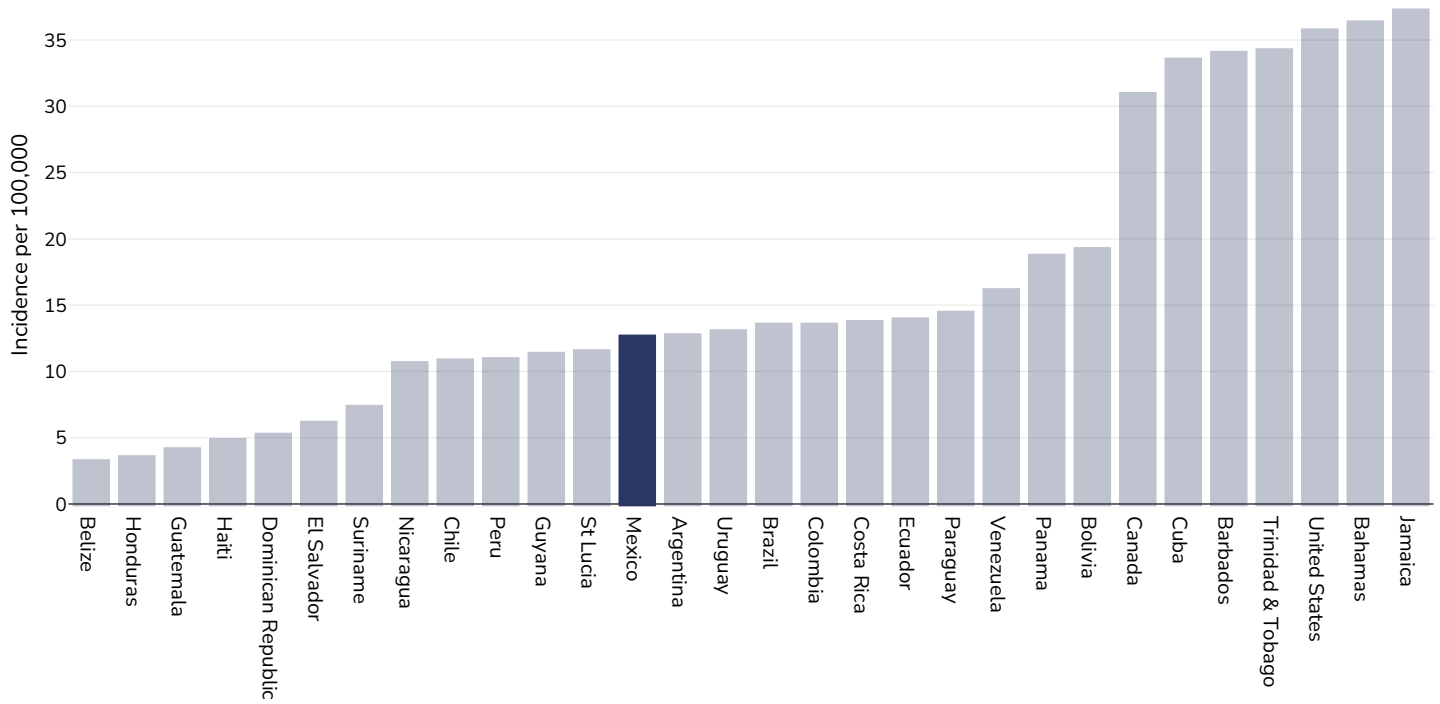
References: Ferlay J, Ervik M, Lam F, Colombet M, Mery L, Piñeros M, Znaor A, Soerjomataram I, Bray F (2020). Global Cancer Observatory: Cancer Today. Lyon, France: International Agency for Research on Cancer. Available from: <https://gco.iarc.fr/today>, accessed 10.01.2243

Definitions: Age-standardized incidence rates per 100 000



## Cancer of the uterus

### Women, 2020



Age: 20+

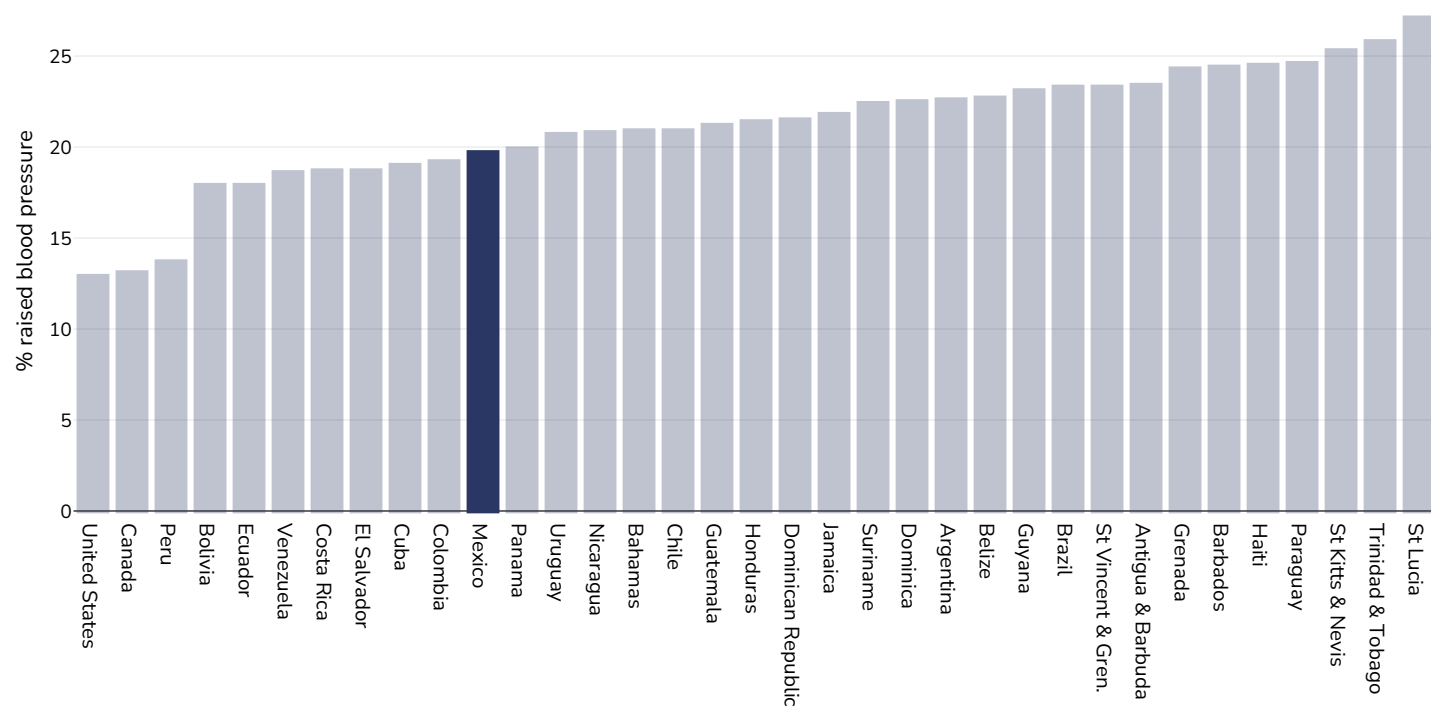
Area covered: National

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 10.01.2243

Definitions: Age-standardized incidence rates per 100 000

## Raised blood pressure

### Adults, 2015



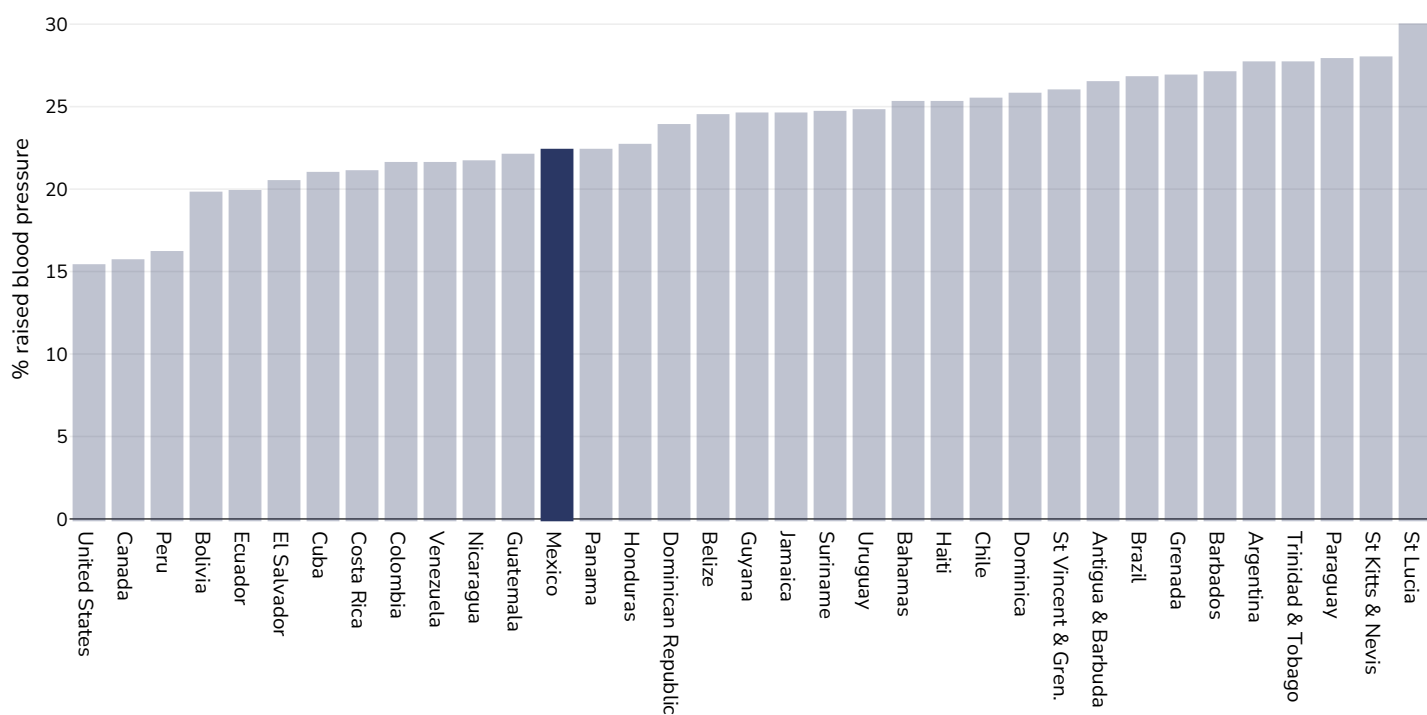
References:

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

## Men, 2015



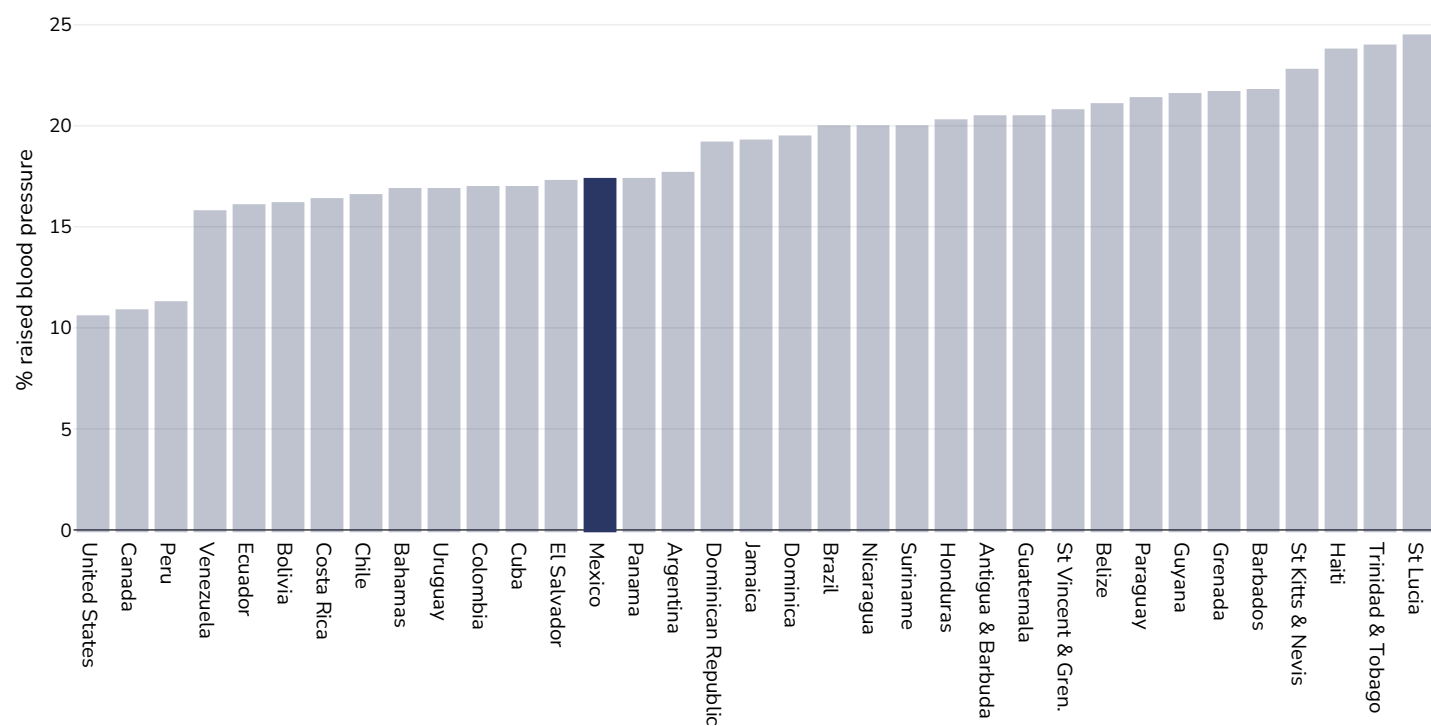
References:

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

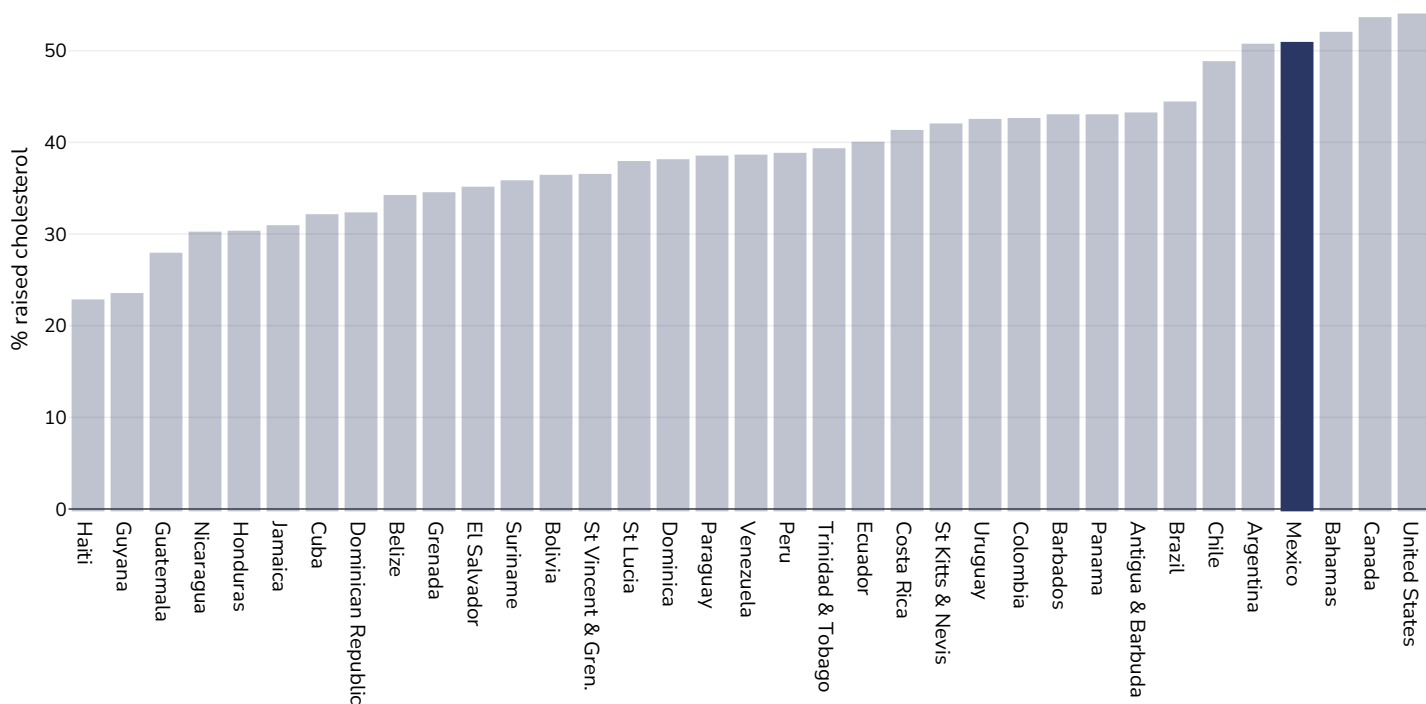


References: Global Health Observatory data repository, World Health Organisation, <http://apps.who.int/gho/data/node.main.A875?lang=en>

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

## Raised cholesterol

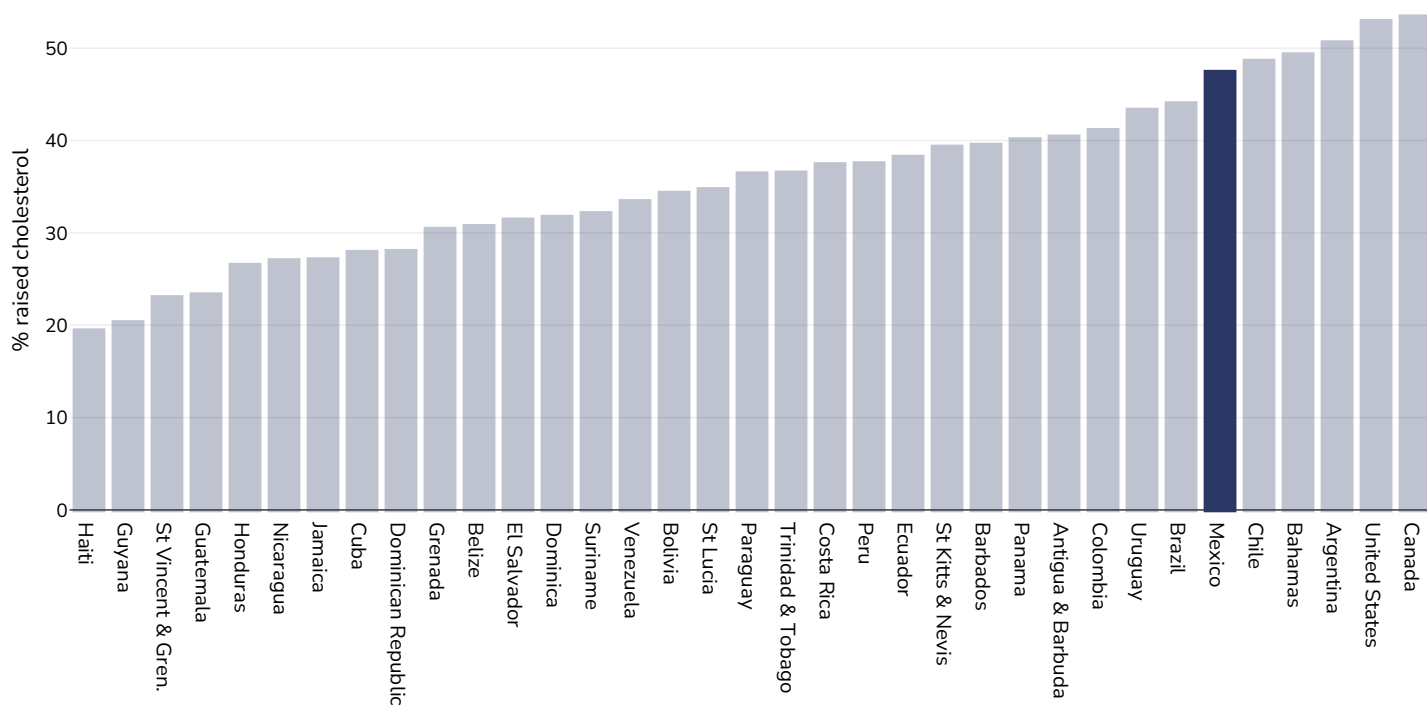
### Adults, 2008



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).

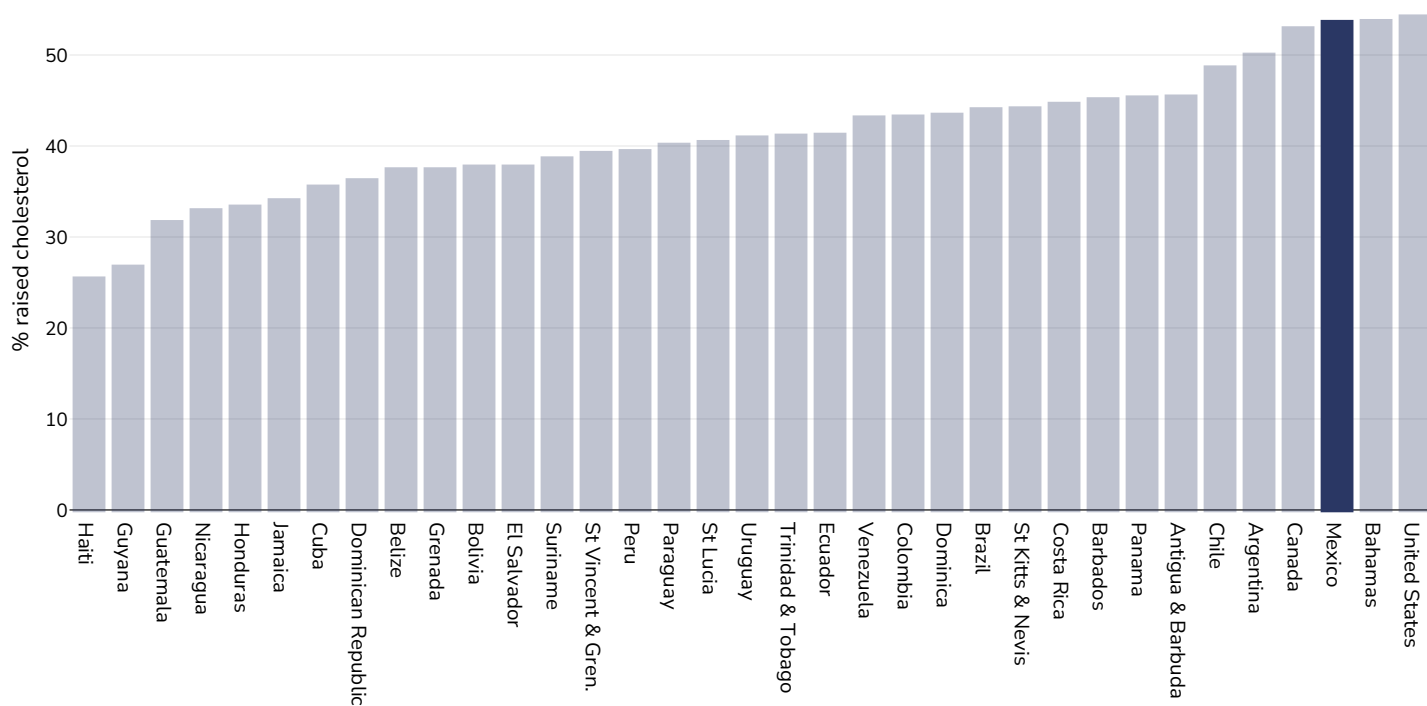
## Men, 2008



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

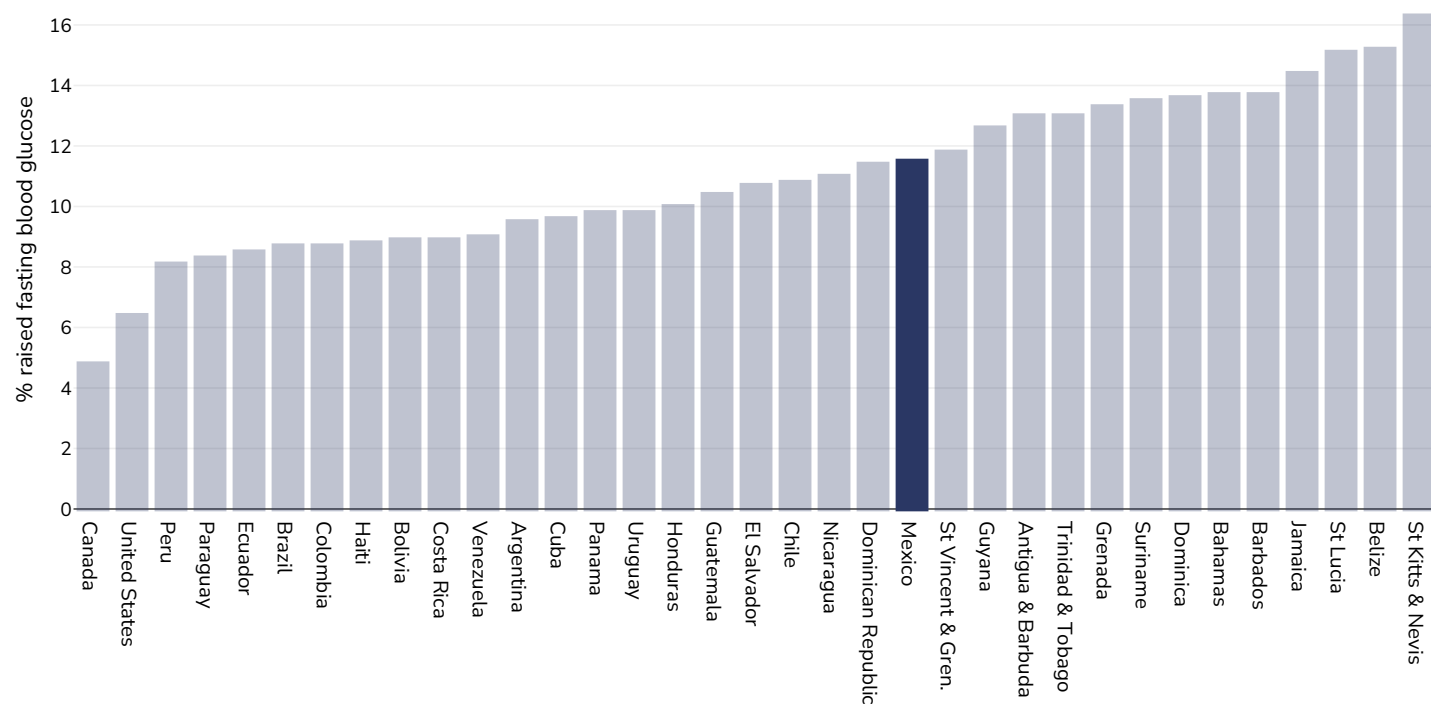


References: Global Health Observatory data repository, World Health Organisation, <http://apps.who.int/gho/data/node.main.A885>

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

## Raised fasting blood glucose

### Men, 2014



References:

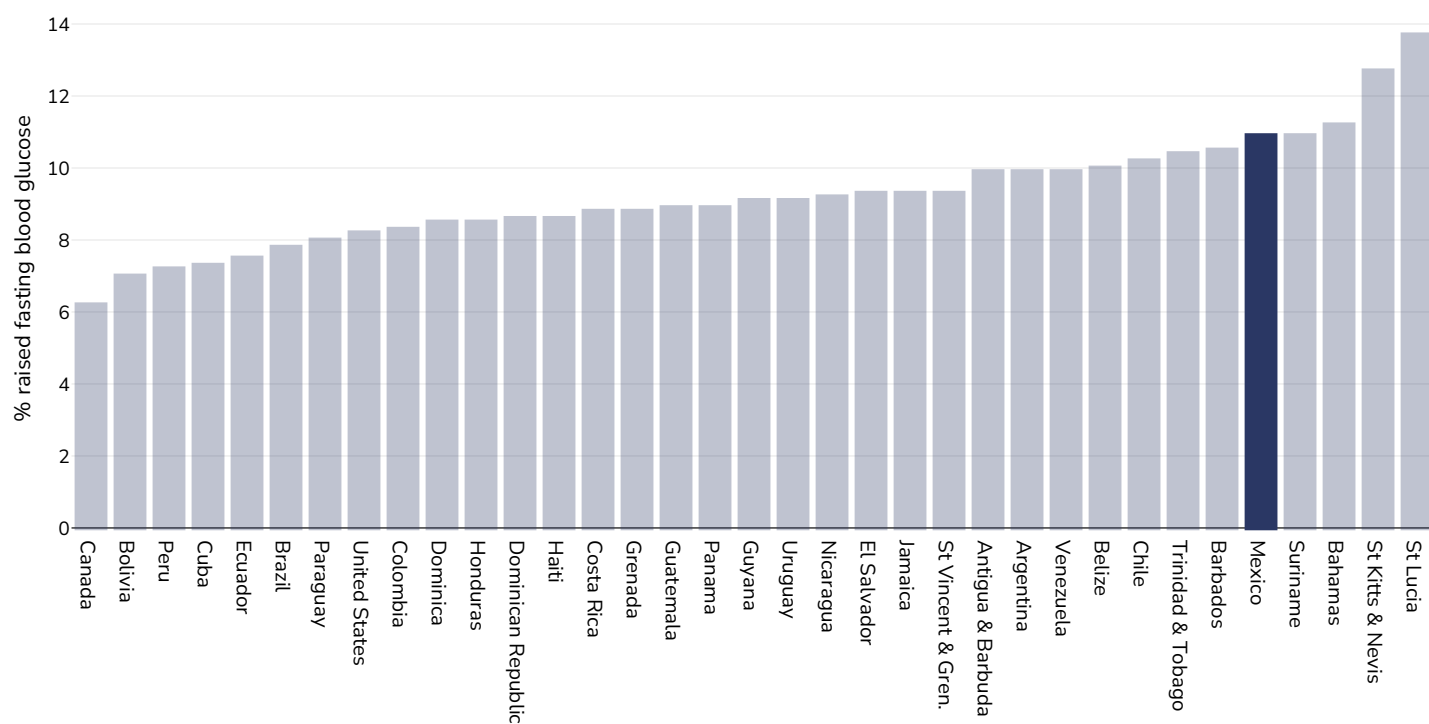
Global Health Observatory data repository, World Health Organisation,  
<http://apps.who.int/gho/data/node.main.A869?lang=en>

Definitions:

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



## Women, 2014



References:

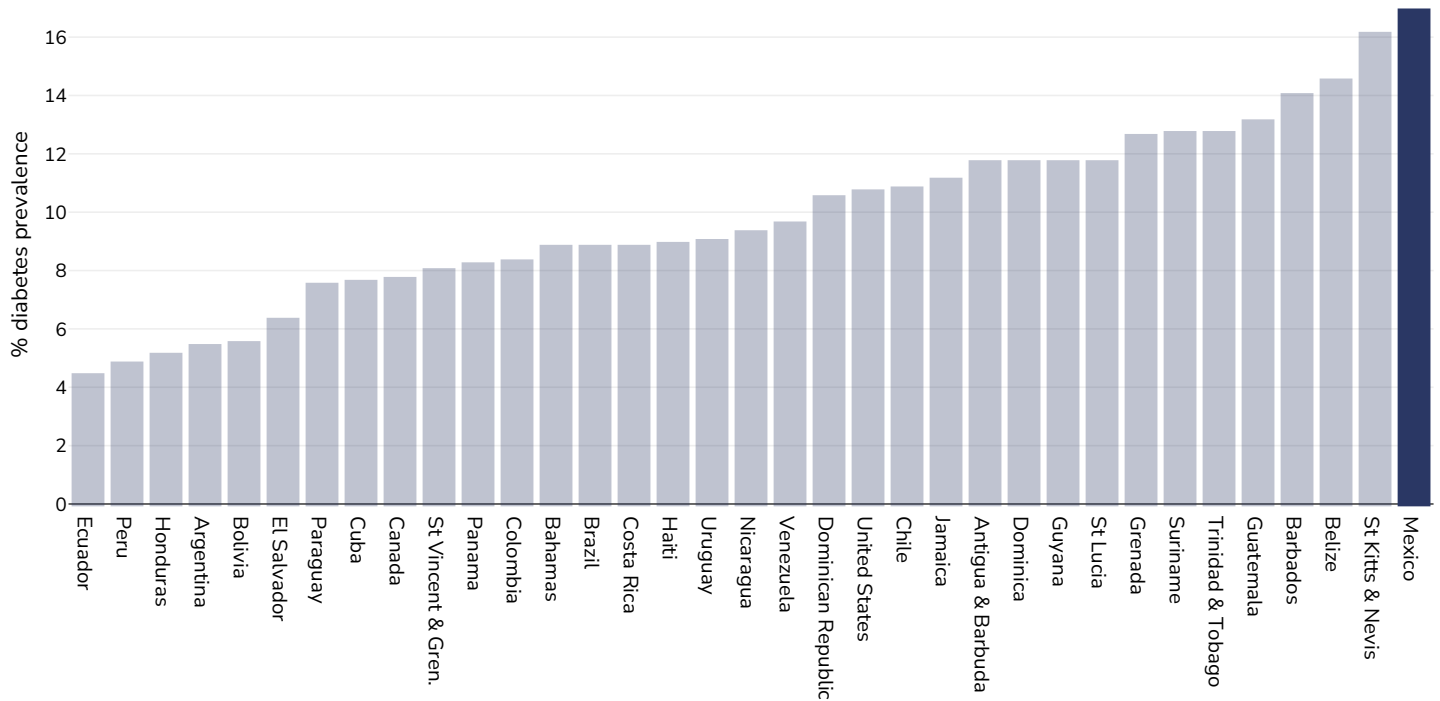
Global Health Observatory data repository, World Health Organisation,  
<http://apps.who.int/gho/data/node.main.A869?lang=en>

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?	✓ <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)?	✓
---	---

### Key

✓ Present

✓<sub>v</sub> Present

(voluntary)

✓ Incoming

✗ Absent

? Unknown