



# Kazakhstan



## Country report card

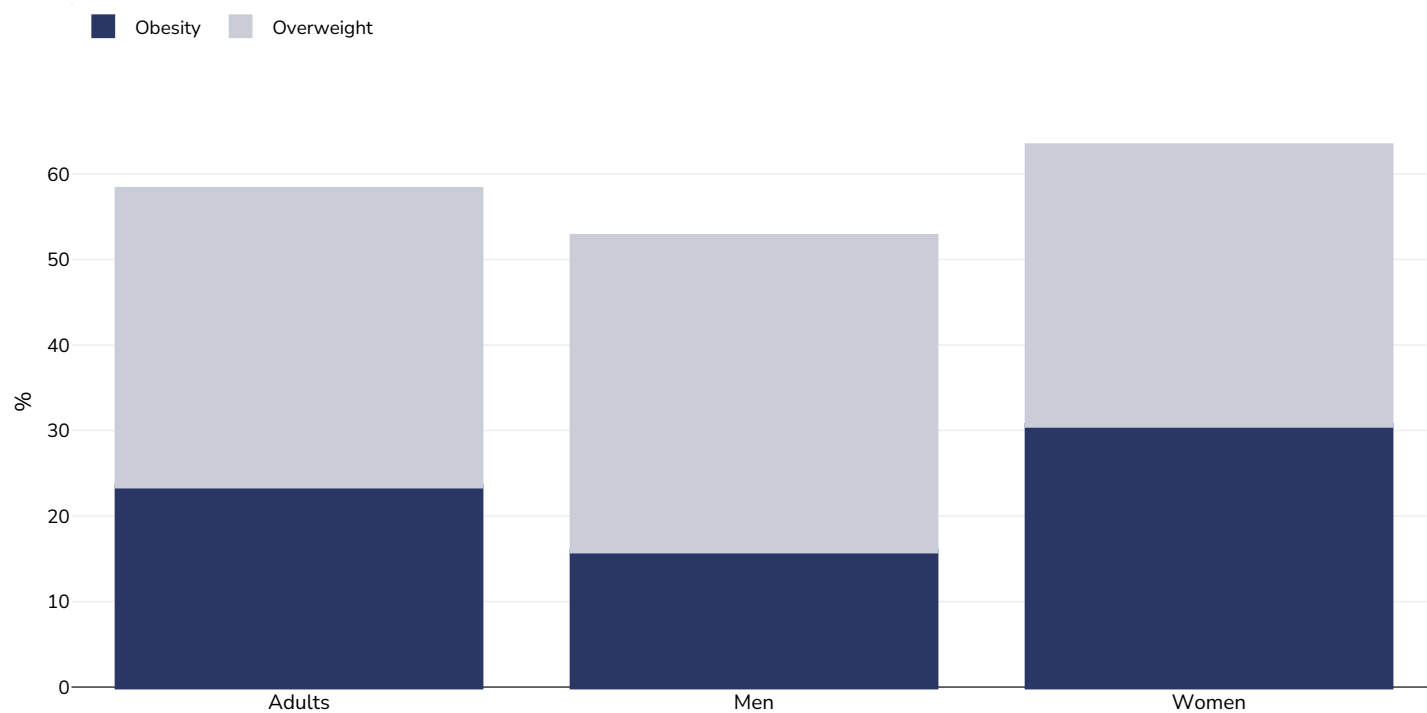
*This report card contains the latest data available on the Global Obesity Observatory on overweight and obesity . Where available, data on common and relevant obesity drivers and comorbidities are also presented.*

*View the latest version of this report on the Global Obesity Observatory at <https://data.worldobesity.org/country/kazakhstan-111/>.*

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## Obesity prevalence

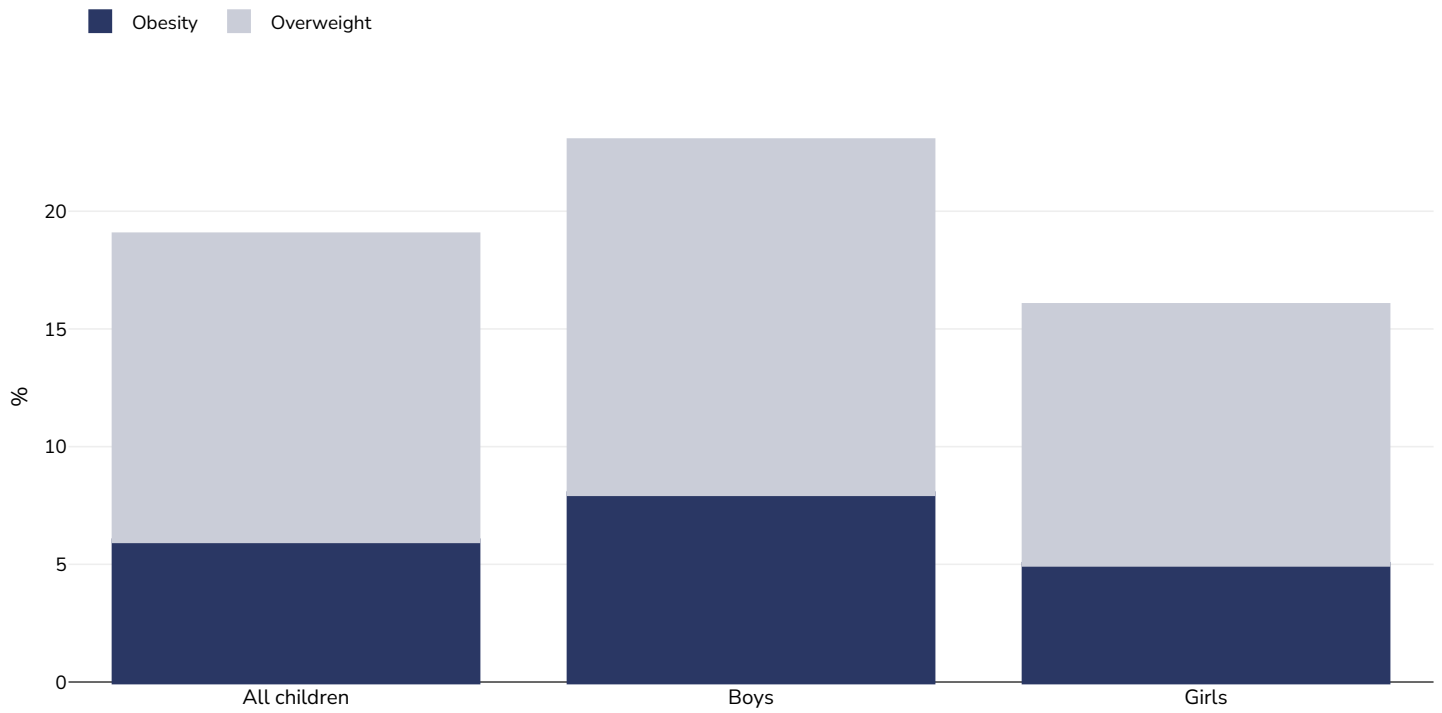
### Adults, 2012



Survey type:	Measured
Age:	15+
Sample size:	3736
Area covered:	National
References:	Kazakh Academy of Nutrition, data from Kazakhstan Health Household Survey 2012

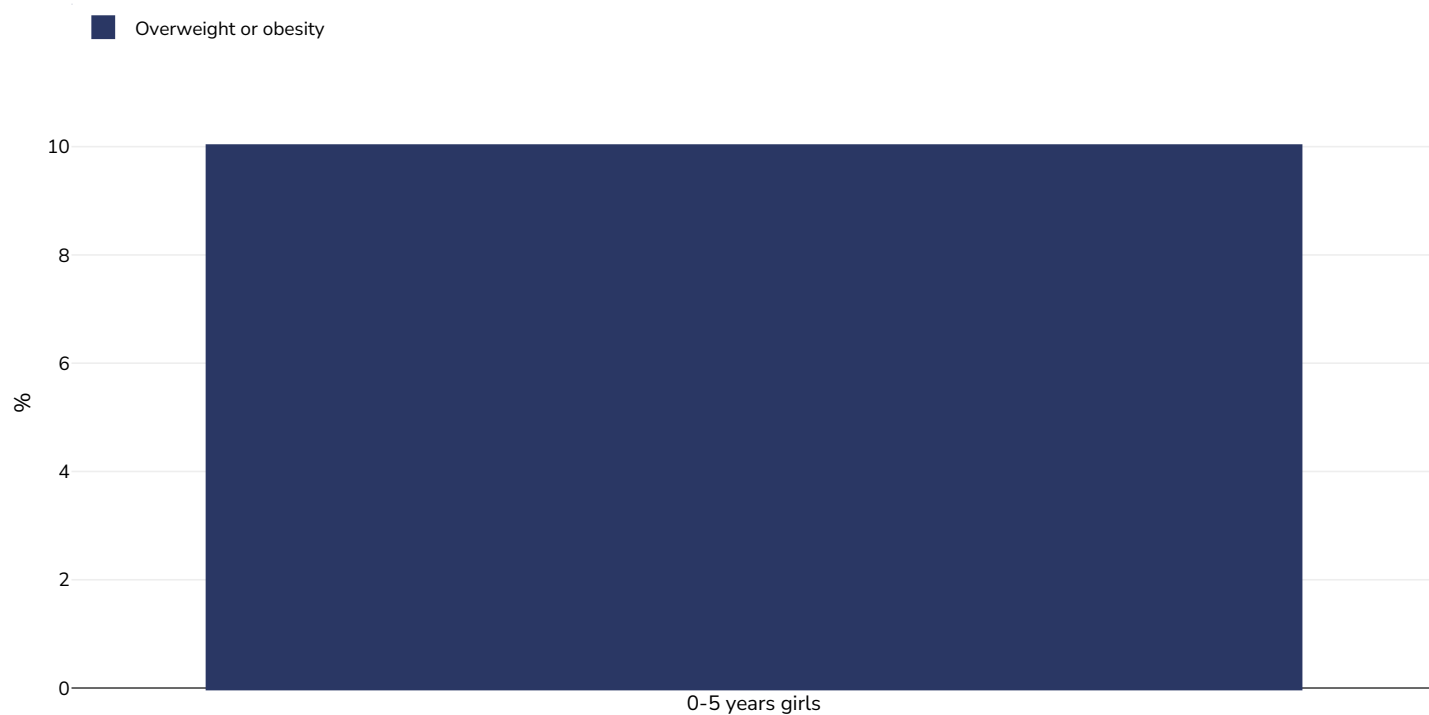
*Unless otherwise noted, overweight refers to a BMI between 25kg and 29.9kg/m<sup>2</sup>, obesity refers to a BMI greater than 30kg/m<sup>2</sup>.*

### Children, 2022-2024



Survey type:	Measured
Age:	8
Area covered:	Subnational - Almaty
References:	WHO European Childhood Obesity Surveillance Initiative (COSI): A brief review of results from round 6 of COSI (2022-2024). Copenhagen: WHO Regional Office for Europe; 2024. Licence: CC BY-NC-SA 3.0 IGO.
Notes:	Kazakhstan data is only for Almaty
Cutoffs:	WHO 2007

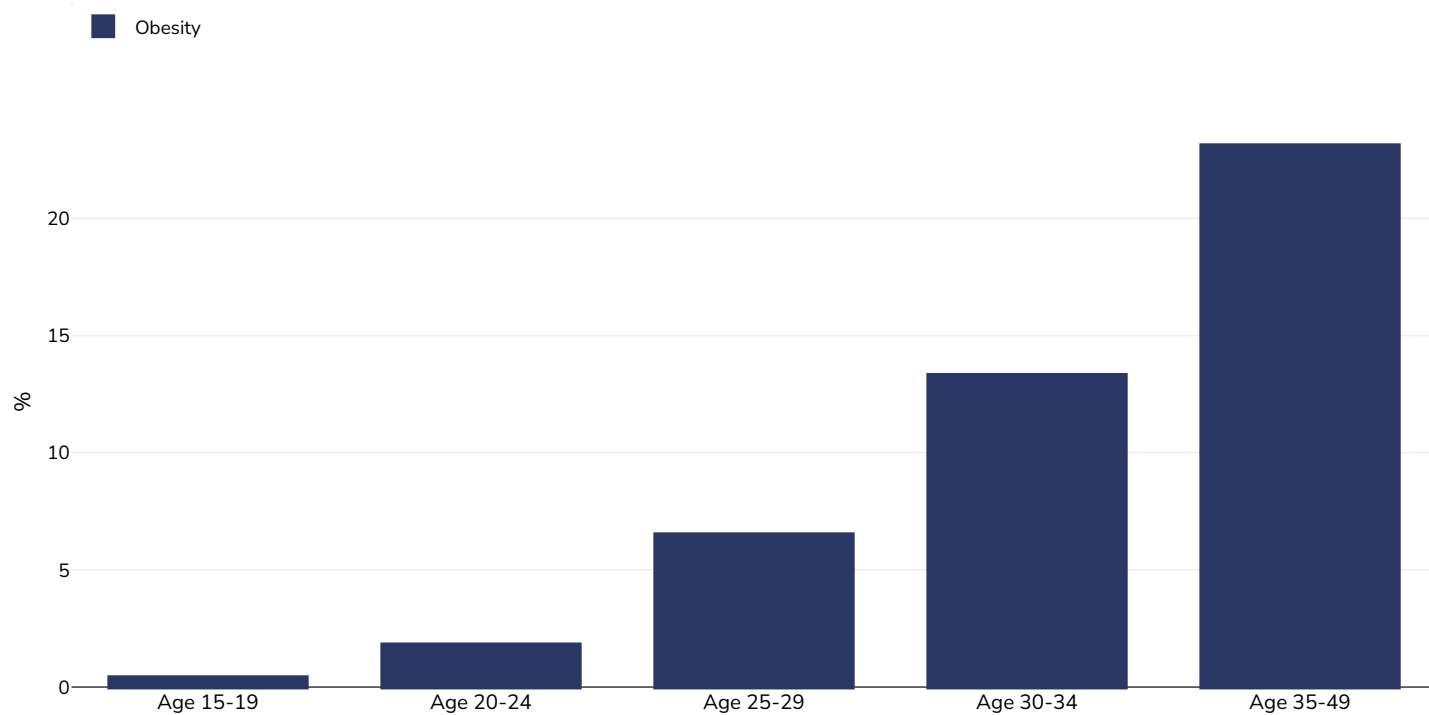
## Girls, 2015



<b>Age:</b>	0-5
<b>Sample size:</b>	5219
<b>References:</b>	MICS: 2015 Kazakhstan Multiple Indicator Cluster Survey, Final Report. Astana, Kazakhstan: The Statistics Committee of the Ministry of National Economy of the Republic of Kazakhstan, 2016.
<b>Notes:</b>	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 <a href="https://data.unicef.org/resources/jme-2023-country-consultations/">https://data.unicef.org/resources/jme-2023-country-consultations/</a> 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.
<b>Definitions:</b>	=>+2SD

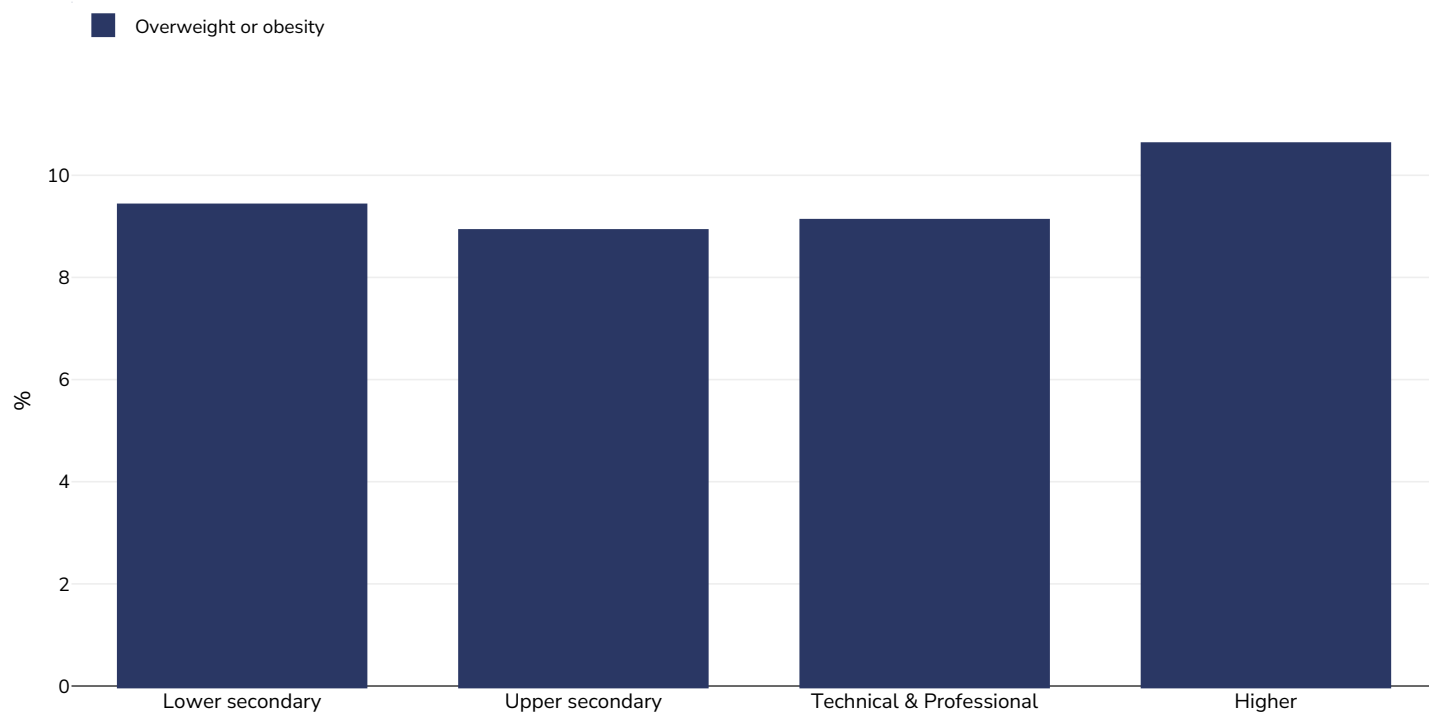
## Overweight/obesity by education

### Women, 1999



<b>Survey type:</b>	Measured
<b>Sample size:</b>	2238
<b>Area covered:</b>	National
<b>References:</b>	Academy of Preventive Medicine/Kazakhstan and Macro International. 1999. Kazakhstan Demographic and Health Survey 1999. Calverton, Maryland, USA: Academy of Preventive Medicine/Kazakhstan and Macro International.
<b>Notes:</b>	Demographic Health Survey data includes ever married women aged 15-49 years only and may include males aged 15-59. Prevalence of those living with obesity only available
<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>	

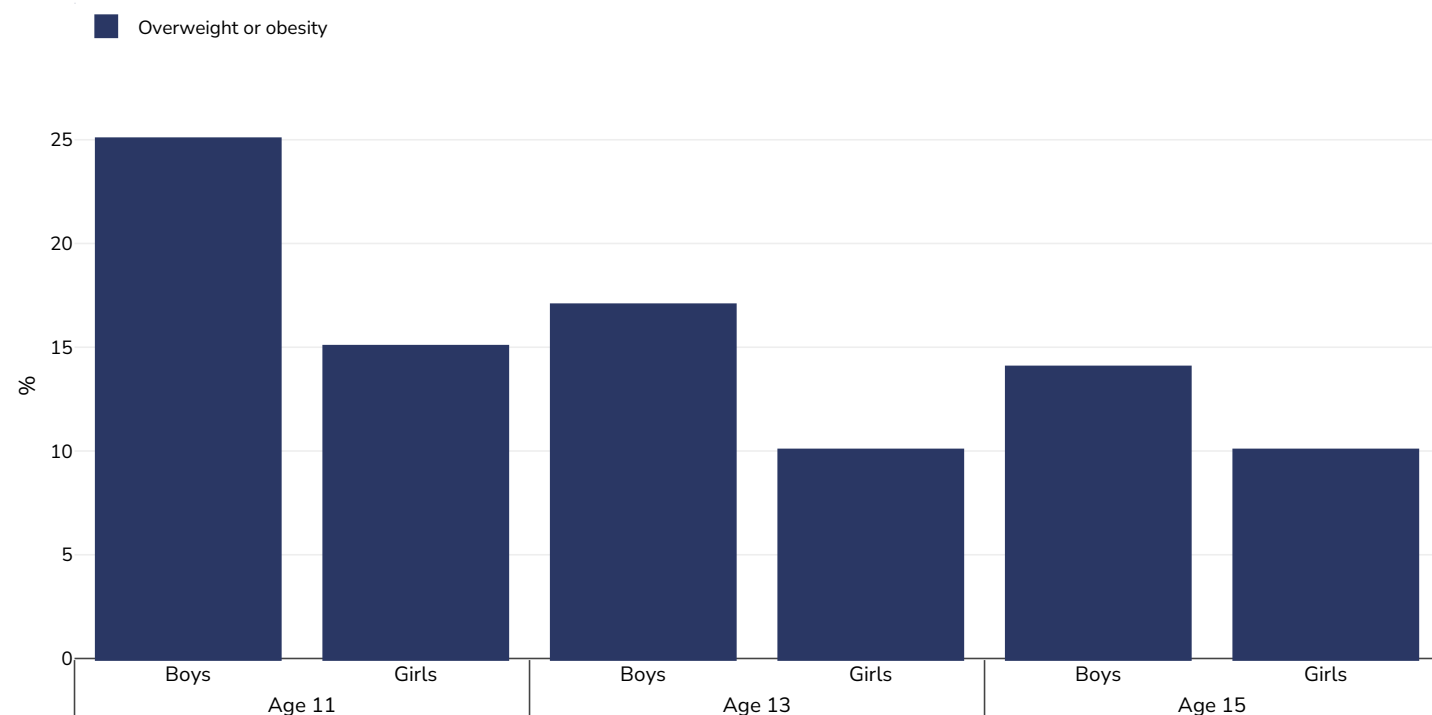
## 0-5 years, 2015



<b>Survey type:</b>	Measured
<b>Sample size:</b>	5218
<b>Area covered:</b>	National
<b>References:</b>	The Statistics Committee of the Ministry of National Economy of the Republic of Kazakhstan (Statistics Committee of the MNE RK), the United Nations Children’s Fund (UNICEF), the United Nations Population Fund (UNFPA). 2015 Kazakhstan Multiple Indicator Cluster Survey, Final Report. Astana, Kazakhstan: The Statistics Committee of the MNE RK, UNICEF and UNFPA, 2016. <a href="https://mics-surveys-prod.s3.amazonaws.com/MICS5/Europe%20and%20Central%20Asia/Kazakhstan/2015/Final/Kazakhstan%202015%20MICS_English.pdf">https://mics-surveys-prod.s3.amazonaws.com/MICS5/Europe%20and%20Central%20Asia/Kazakhstan/2015/Final/Kazakhstan%202015%20MICS_English.pdf</a> (last accessed 11.05.21)
<b>Notes:</b>	Infants
<b>Definitions:</b>	Weight for Height +2SD
<b>Cutoffs:</b>	Other

## Overweight/obesity by age

### Children, 2021-2022



**Survey type:** Self-reported

**Area covered:** See Report

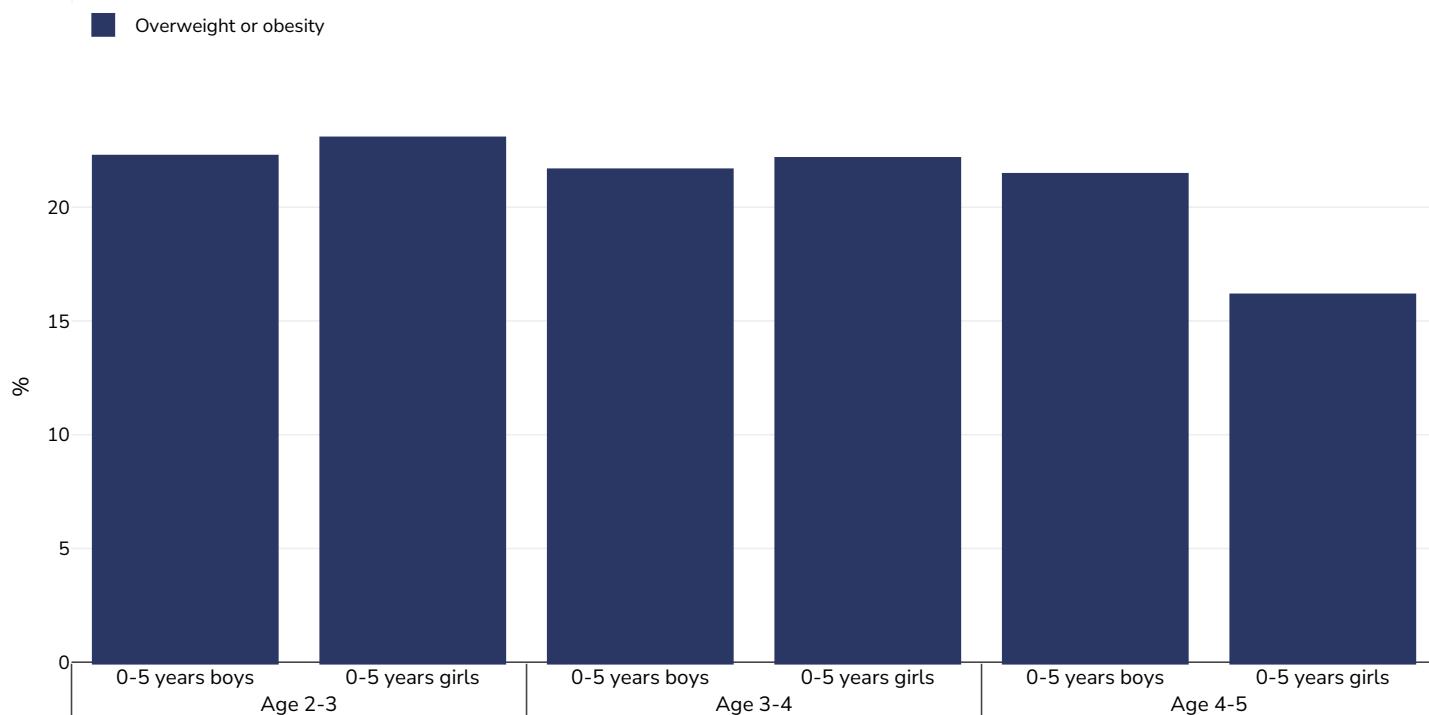
**References:** Rakić JG, Hamrik Z, Dzielska A, Felder-Puig R, Oja L, Bakalár P et al. A focus on adolescent physical activity, eating behaviours, weight status and body image in Europe, central Asia and Canada. Health Behaviour in School-aged Children (HBSC) international report from the 2021/2022 survey. Volume 4. Copenhagen: WHO Regional Office for Europe; 2024. 'Any translation was not created by the World Health Organization (WHO). WHO is not responsible for the content or accuracy of this translation. The original English edition shall be the binding and authentic edition'

**Notes:** HBSC aims to survey approximately 1500 pupils per age group in each country or region (totaling around 4500)

**Cutoffs:** +2SD



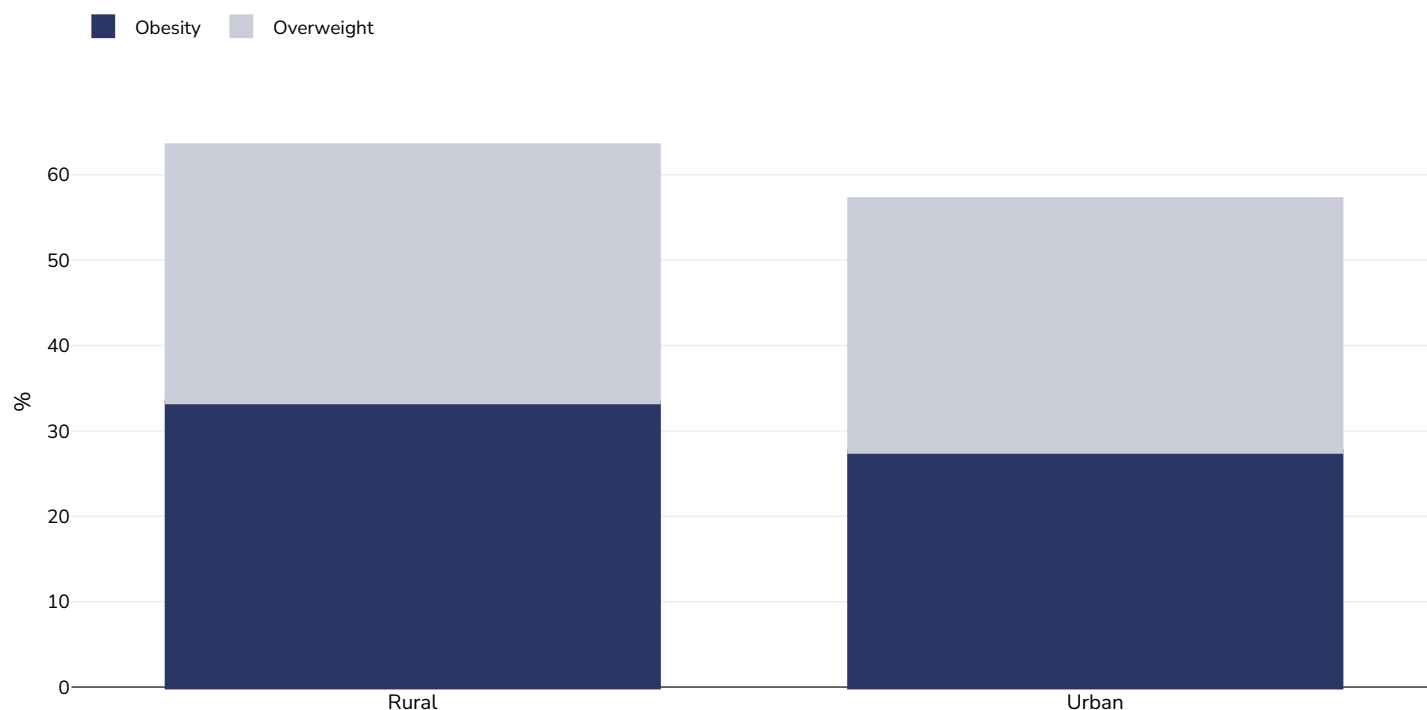
## 0-5 years, 2010-2011



Survey type:	Measured
Sample size:	2939
Area covered:	National
References:	Kazakhstan MICS 2010-11 Survey - data analysed by R Jackson Leach, F Montague. World Obesity Federation
Notes:	IOTF International Monthly Cut Off's applied Age range 2-4.9yrs
Cutoffs:	IOTF

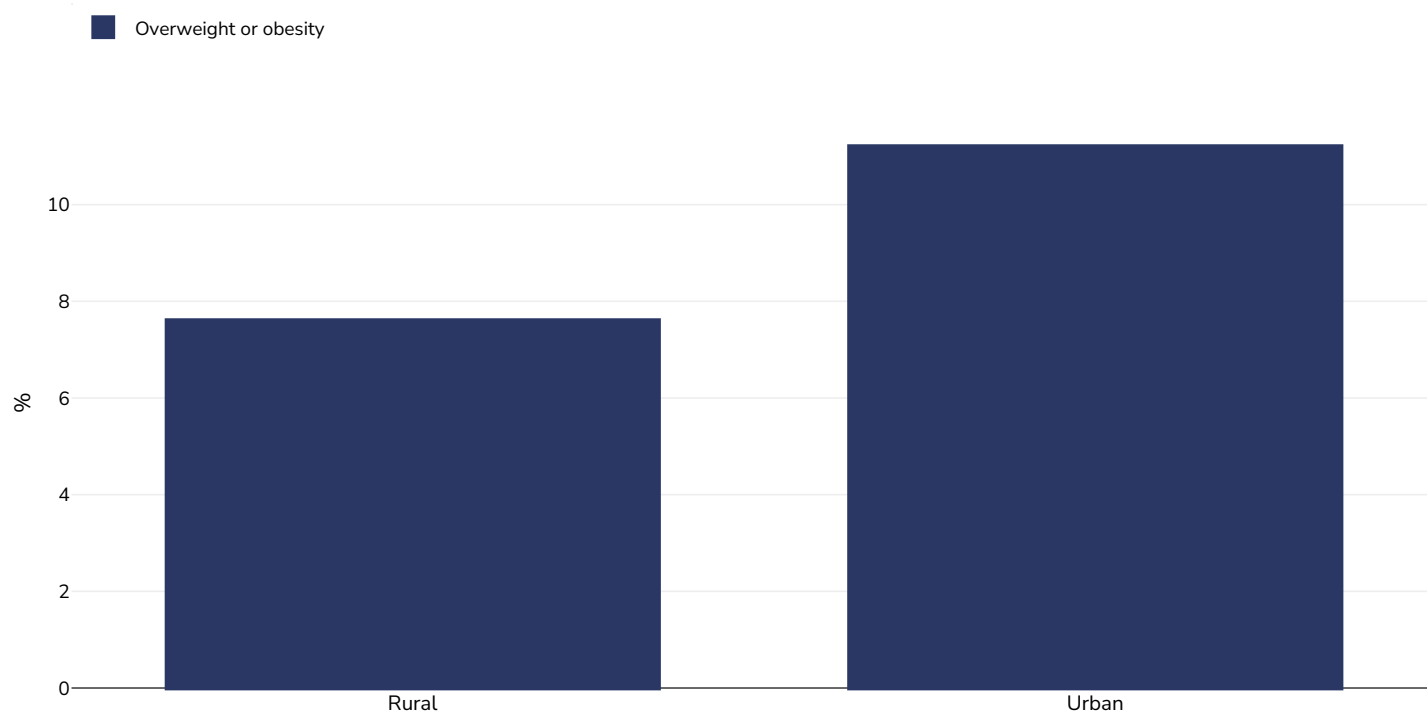
## Overweight/obesity by region

### Adults, 2021-2022



<b>Survey type:</b>	Measured
<b>Age:</b>	18-69
<b>Sample size:</b>	6720
<b>Area covered:</b>	National
<b>References:</b>	Nursultanova L, Kabulbayev K, Ospanova D, Tazhiyeva A, Datkhayev U, Saliev T, Tanabayeva S, Fakhradiyev I. Prevalence of chronic kidney disease in Kazakhstan: evidence from a national cross-sectional study. <i>Sci Rep.</i> 2023 Sep 7;13(1):14710. doi: 10.1038/s41598-023-42031-2. PMID: 37679536; PMCID: PMC10485008.
<b>Notes:</b>	The STEPs questionnaire was used.
<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>	

## 0-5 years, 2015



**Sample size:** 5218

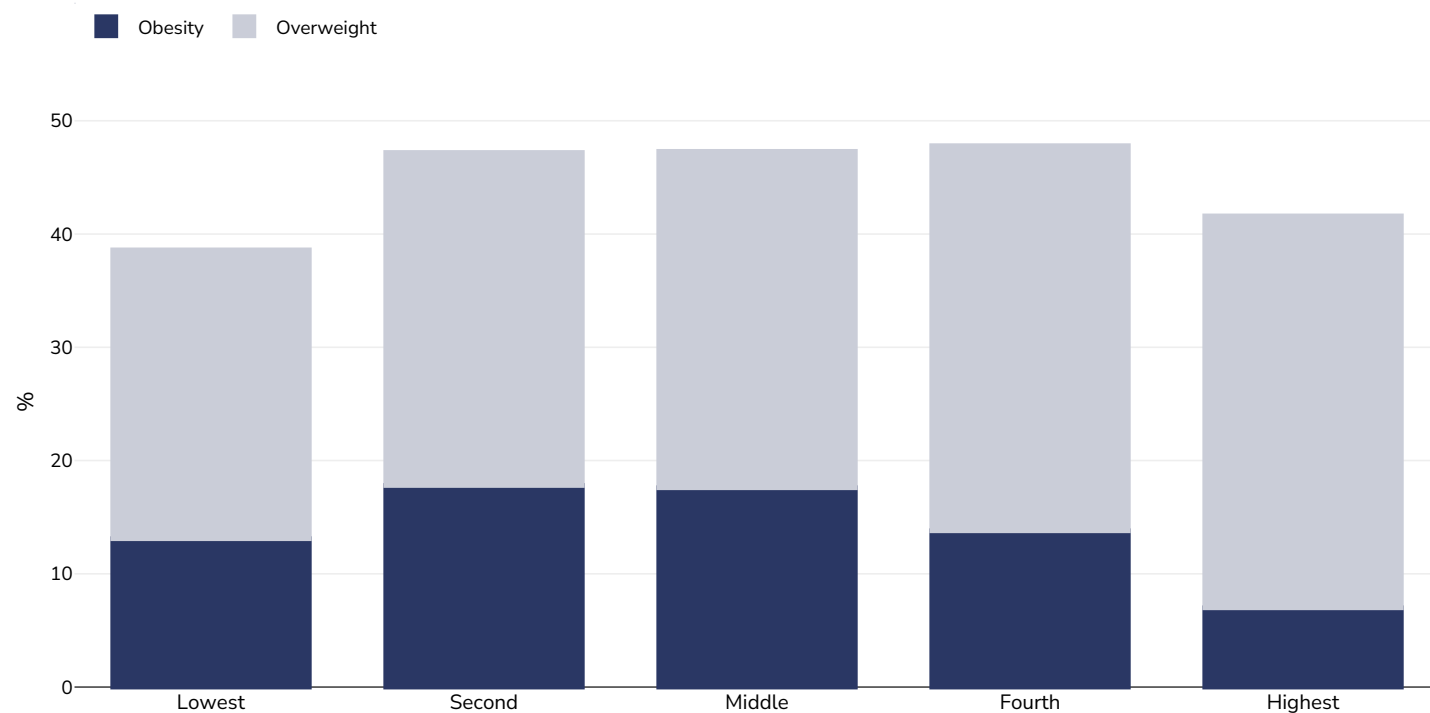
**References:** MICS: 2015 Kazakhstan Multiple Indicator Cluster Survey, Final Report. Astana, Kazakhstan: The Statistics Committee of the Ministry of National Economy of the Republic of Kazakhstan, 2016.

**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

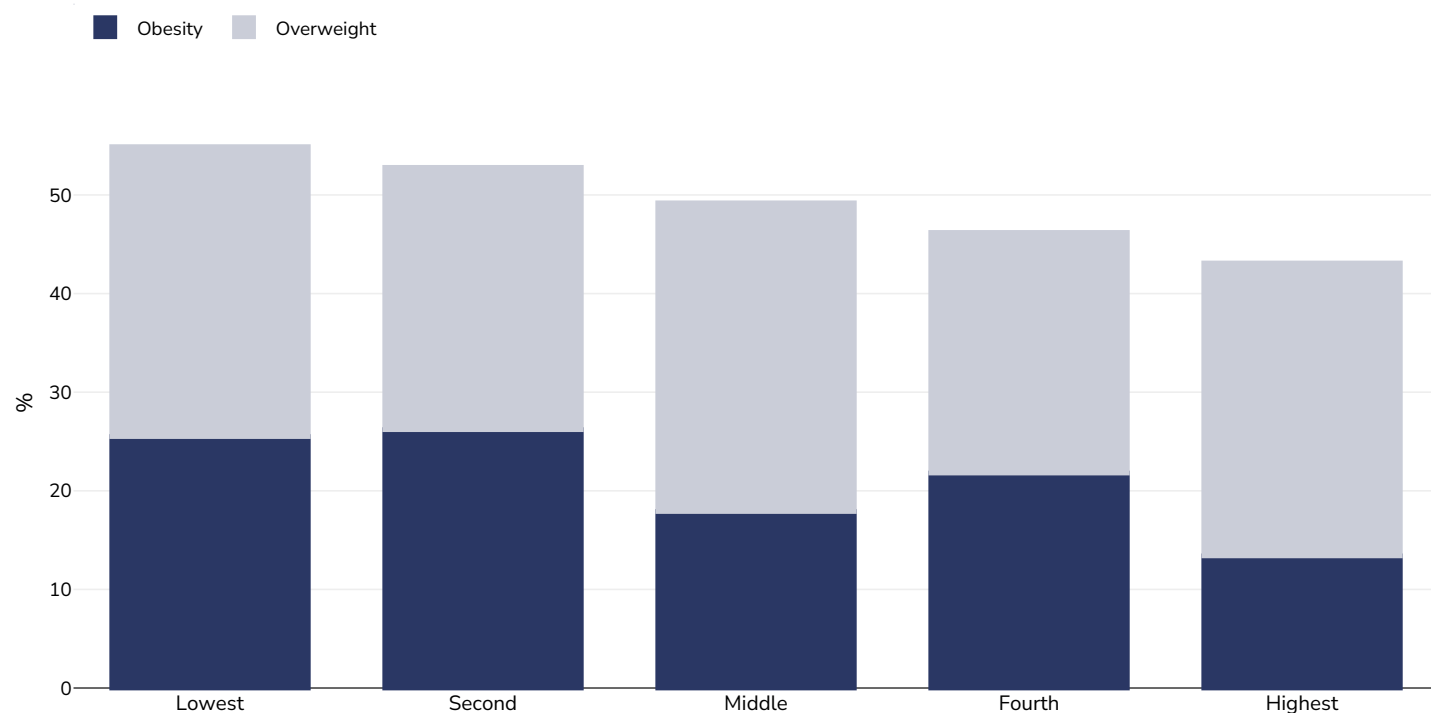
## Overweight/obesity by socio-economic group

### Men, 2001



<b>Survey type:</b>	Self-reported
<b>Age:</b>	18+
<b>Sample size:</b>	2000
<b>Area covered:</b>	National
<b>References:</b>	Suhrcke M, Walters S, Mazzucco S, Pomerleau J, McKee M and Haerpfer CW. Socioeconomic differences in health, health behaviour and access to health care in Armenia, Belarus, Georgia, Kazakhstan, Kyrgyzstan, the Republic of Moldova, the Russian Federation and Ukraine. World Health Organisation 2008. <a href="http://www.un.am/up/library/Socio%20Economic%20Differences_eng.pdf">http://www.un.am/up/library/Socio%20Economic%20Differences_eng.pdf</a> (last accessed 19 April 2016)
<b>Notes:</b>	Prevalence of overweight and obesity by asset quintiles. Socioeconomic quintiles are defined on the basis of assets and household characteristics, rather than income or consumption.  <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, 2001



Survey type: Self-reported

Age: 18+

Sample size: 2000

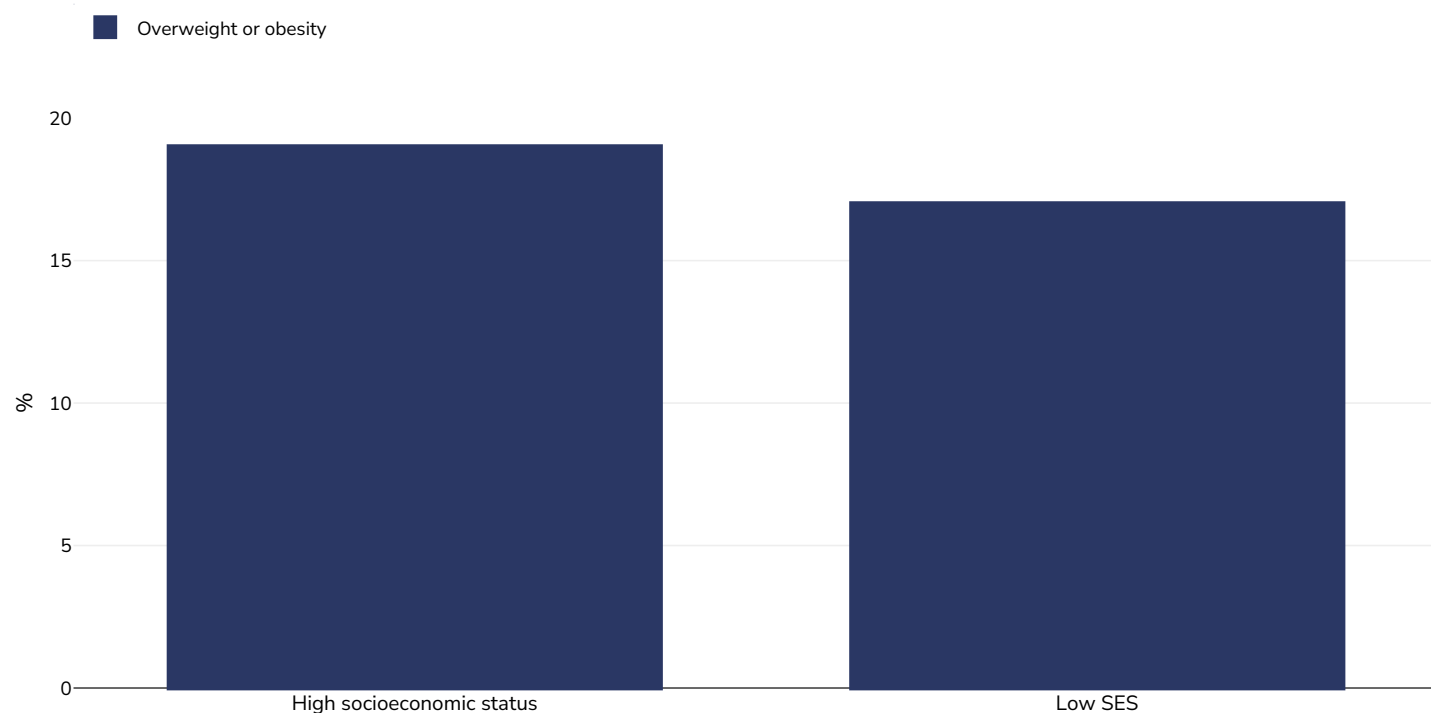
Area covered: National

References: Suhrcke M, Walters S, Mazzucco S, Pomerleau J, McKee M and Haerpfer CW. Socioeconomic differences in health, health behaviour and access to health care in Armenia, Belarus, Georgia, Kazakhstan, Kyrgyzstan, the Republic of Moldova, the Russian Federation and Ukraine. World Health Organisation 2008. [http://www.un.am/up/library/Socio%20Economic%20Differences\\_eng.pdf](http://www.un.am/up/library/Socio%20Economic%20Differences_eng.pdf) (last accessed 19 April 2016)

Notes: Prevalence of overweight and obesity by asset quintiles. Socioeconomic quintiles are defined on the basis of assets and household characteristics, rather than income or consumption.

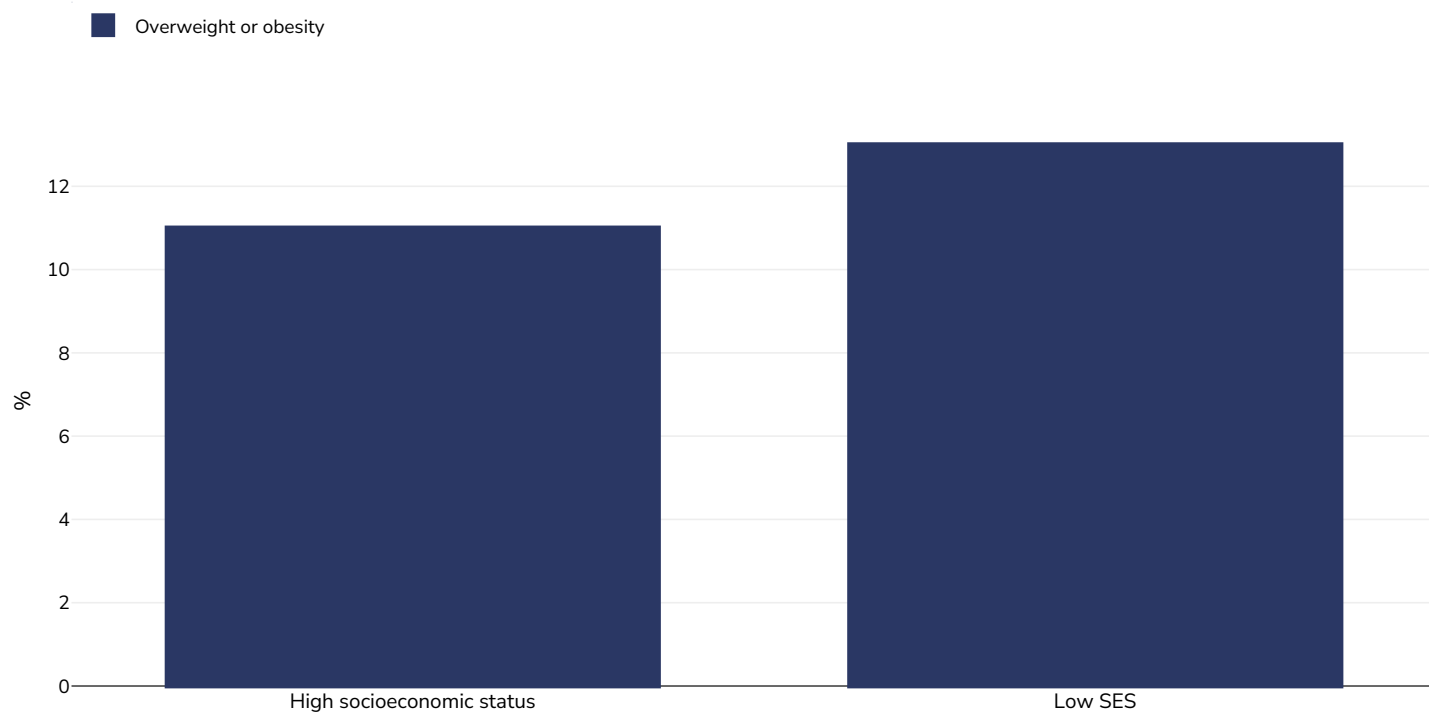
*Unless otherwise noted, overweight refers to a BMI between 25kg and 29.9kg/m<sup>2</sup>, obesity refers to a BMI greater than 30kg/m<sup>2</sup>.*

## Boys, 2021-2022



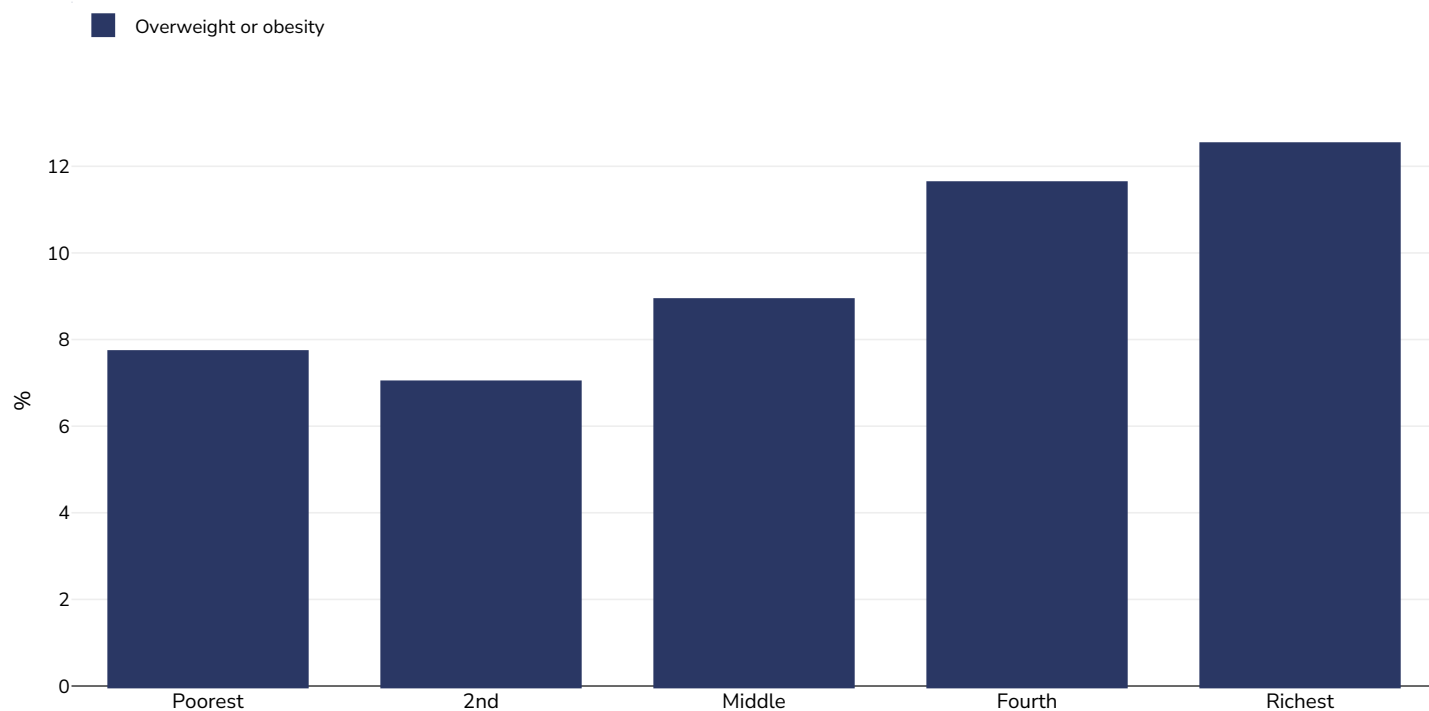
<b>Survey type:</b>	Self-reported
<b>Age:</b>	11-15
<b>References:</b>	Raki? JG, Hamrik Z, Dzielska A, Felder-Puig R, Oja L, Bakalár P et al. A focus on adolescent physical activity, eating behaviours, weight status and body image in Europe, central Asia and Canada. Health Behaviour in School-aged Children (HBSC) international report from the 2021/2022 survey. Volume 4. Copenhagen: WHO Regional Office for Europe; 2024. 'Any translation was not created by the World Health Organization (WHO). WHO is not responsible for the content or accuracy of this translation. The original English edition shall be the binding and authentic edition'
<b>Notes:</b>	Family affluence scale HBSC aims to survey approximately 1500 pupils per age group in each country or region (totaling around 4500)
<b>Cutoffs:</b>	+2SD

## Girls, 2021-2022



<b>Survey type:</b>	Self-reported
<b>Age:</b>	11-15
<b>References:</b>	Rakić JG, Hamrik Z, Dzielska A, Felder-Puig R, Oja L, Bakalár P et al. A focus on adolescent physical activity, eating behaviours, weight status and body image in Europe, central Asia and Canada. Health Behaviour in School-aged Children (HBSC) international report from the 2021/2022 survey. Volume 4. Copenhagen: WHO Regional Office for Europe; 2024. 'Any translation was not created by the World Health Organization (WHO). WHO is not responsible for the content or accuracy of this translation. The original English edition shall be the binding and authentic edition'
<b>Notes:</b>	Family affluence scale HBSC aims to survey approximately 1500 pupils per age group in each country or region (totaling around 4500)
<b>Cutoffs:</b>	+2SD

## 0-5 years, 2015

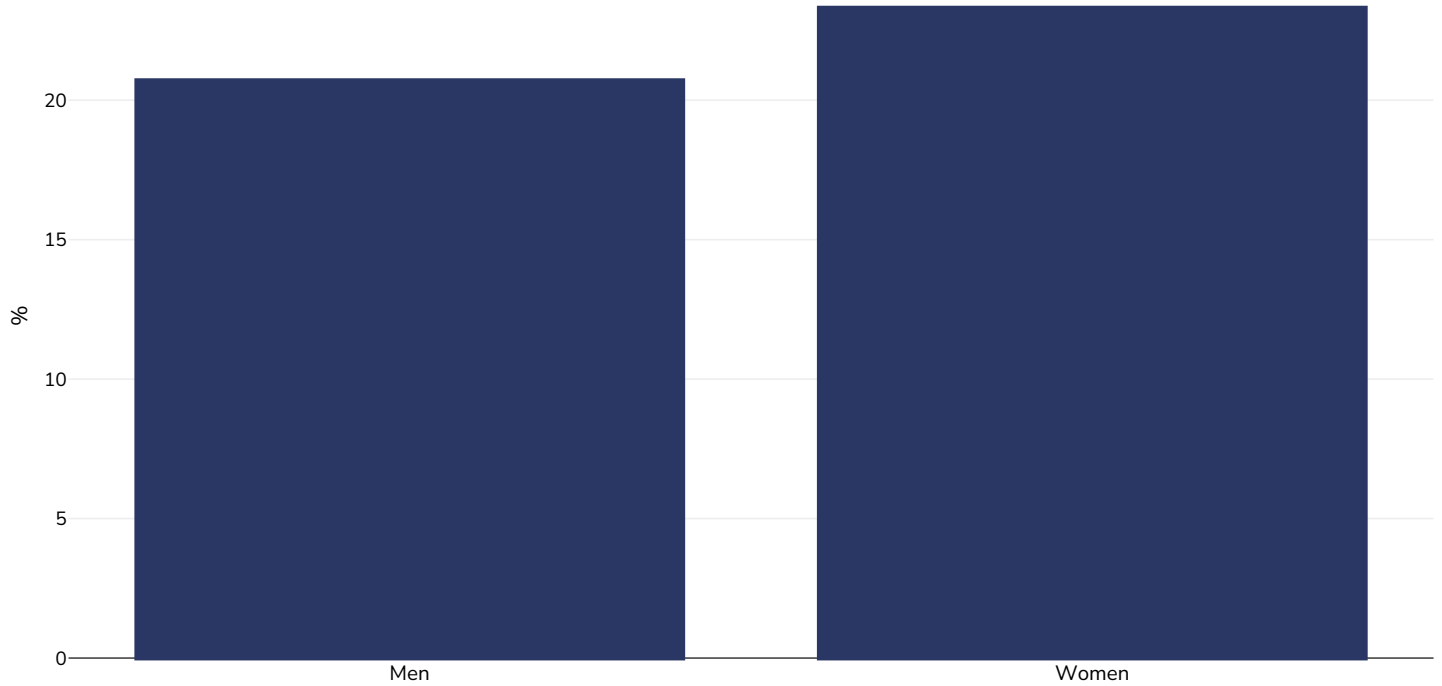


Survey type:	Measured
Sample size:	5218
Area covered:	National
References:	The Statistics Committee of the Ministry of National Economy of the Republic of Kazakhstan (Statistics Committee of the MNE RK), the United Nations Children’s Fund (UNICEF), the United Nations Population Fund (UNFPA). 2015 Kazakhstan Multiple Indicator Cluster Survey, Final Report. Astana, Kazakhstan: The Statistics Committee of the MNE RK, UNICEF and UNFPA, 2016. <a href="https://mics-surveys-prod.s3.amazonaws.com/MICS5/Europe%20and%20Central%20Asia/Kazakhstan/2015/Final/Kazakhstan%202015%20MICS_English.pdf">https://mics-surveys-prod.s3.amazonaws.com/MICS5/Europe%20and%20Central%20Asia/Kazakhstan/2015/Final/Kazakhstan%202015%20MICS_English.pdf</a> (last accessed 11.05.21)
Notes:	Infants
Definitions:	Weight for Height +2SD
Cutoffs:	Other



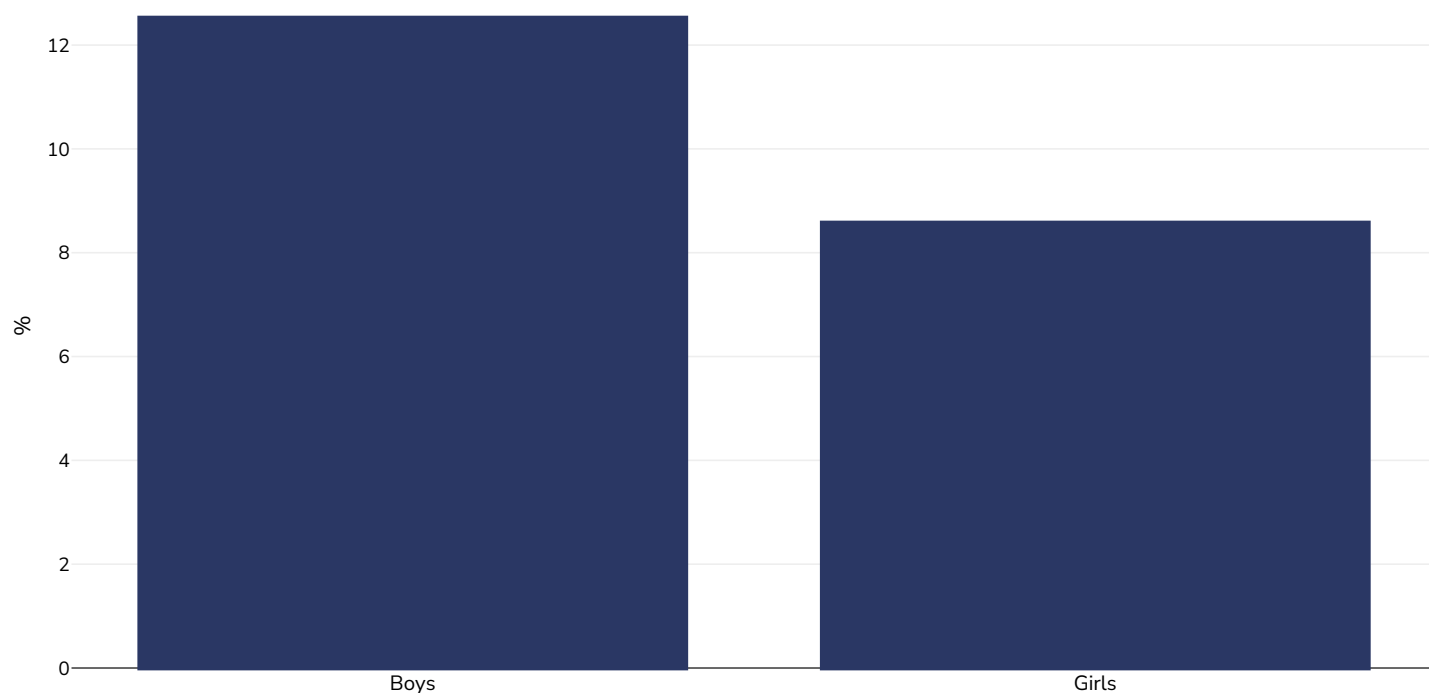
## Double burden of underweight & overweight

Adults, 2022



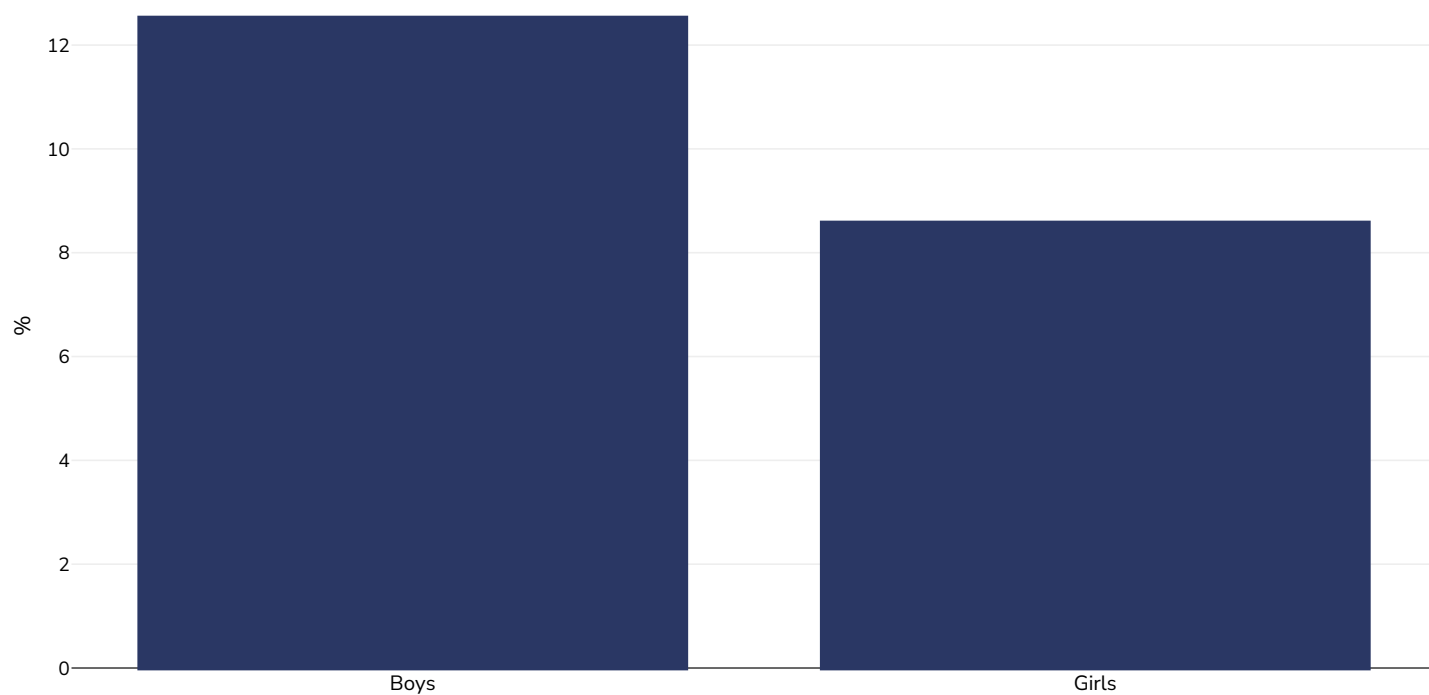
<b>Survey type:</b>	Measured
<b>Age:</b>	20+
<b>References:</b>	NCD Risk Factor Collaboration (NCD-RisC). Worldwide trends in underweight and obesity from 1990 to 2022: a pooled analysis of 3663 population representative studies with 222 million children, adolescents, and adults. Lancet 2024; published online Feb 29. <a href="https://doi.org/10.1016/S0140-6736(23)02750-2">https://doi.org/10.1016/S0140-6736(23)02750-2</a>
<b>Notes:</b>	Age Standardised estimates
<b>Definitions:</b>	Combined prevalence of BMI<18.5 kg/m <sup>2</sup> and BMI>=30 kg/m <sup>2</sup> (double burden of underweight and obesity)

## Children, 2022



<b>Survey type:</b>	Measured
<b>Age:</b>	5-19
<b>References:</b>	NCD Risk Factor Collaboration (NCD-RisC). Worldwide trends in underweight and obesity from 1990 to 2022: a pooled analysis of 3663 population representative studies with 222 million children, adolescents, and adults. Lancet 2024; published online Feb 29. <a href="https://doi.org/10.1016/S0140-6736(23)02750-2">https://doi.org/10.1016/S0140-6736(23)02750-2</a> .
<b>Notes:</b>	Age standardised estimates
<b>Definitions:</b>	Combined prevalence of BMI < -2SD and BMI > 2SD (double burden of thinness and obesity)
<b>Cutoffs:</b>	BMI < -2SD and BMI > 2SD

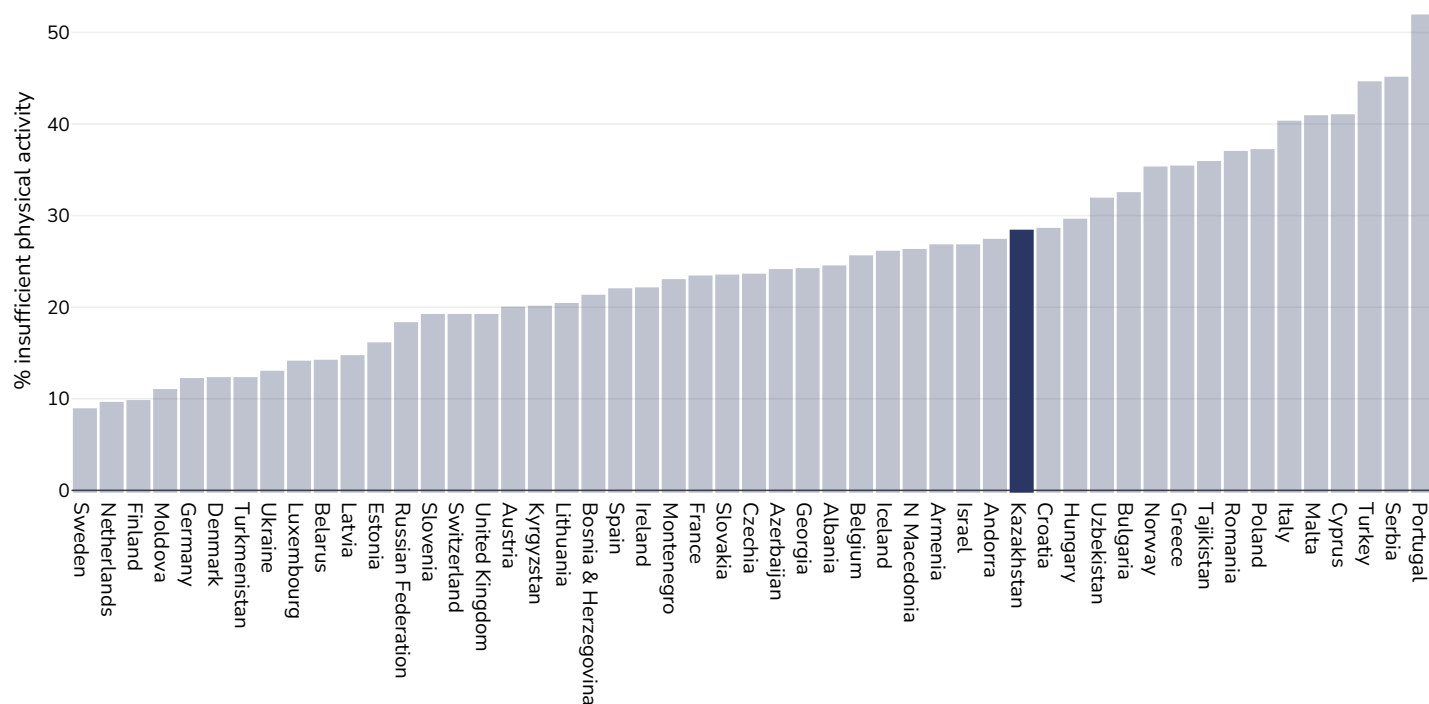
### 0-5 years, 2015-2015



Survey type:	Measured
Age:	0-5
References:	UNICEF data available at <a href="https://data.unicef.org/topic/nutrition/malnutrition/">https://data.unicef.org/topic/nutrition/malnutrition/</a> (last accessed 12.03.25)
Notes:	Children under 5 falling below -2 standard deviations from the median height for age and falling at or above +2 standard deviations from the median weight-for-height of the reference population

## Insufficient physical activity

### Adults, 2022



Survey type: Self-reported

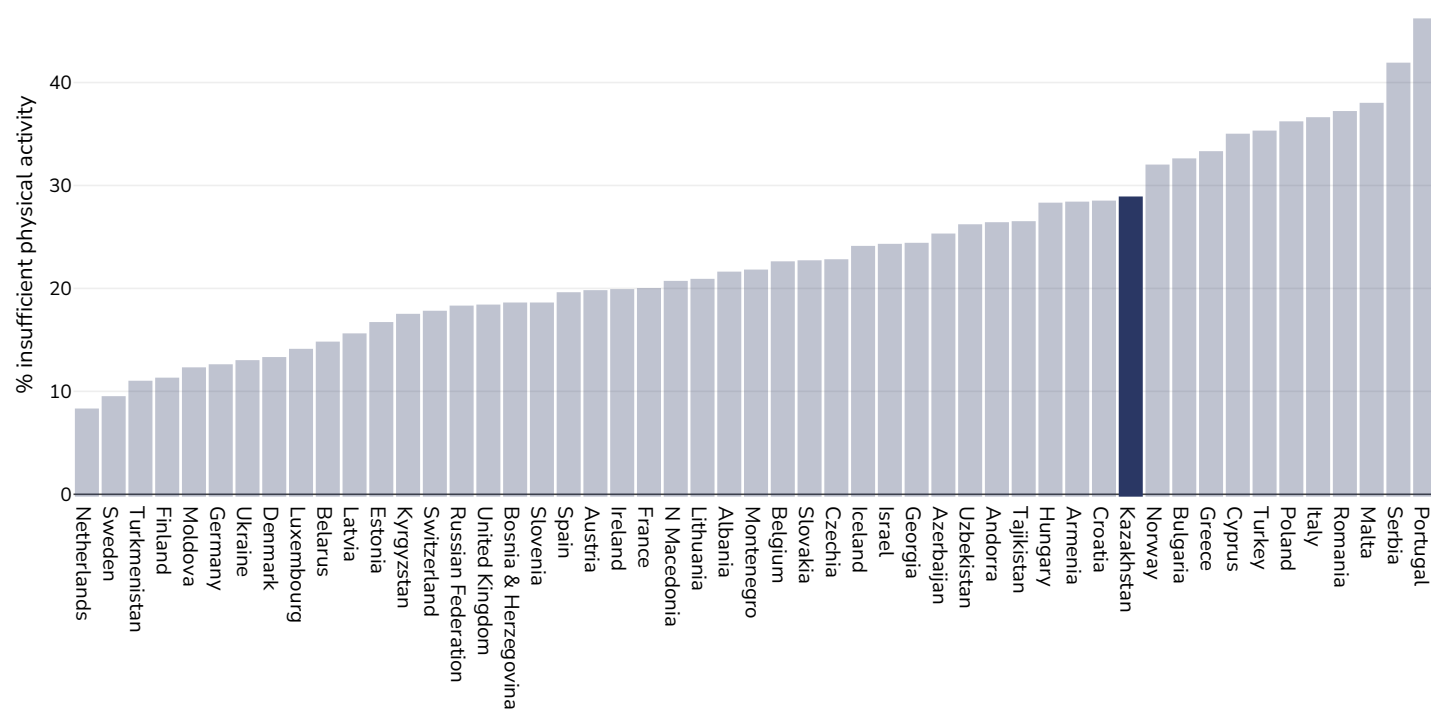
Age: 18+

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

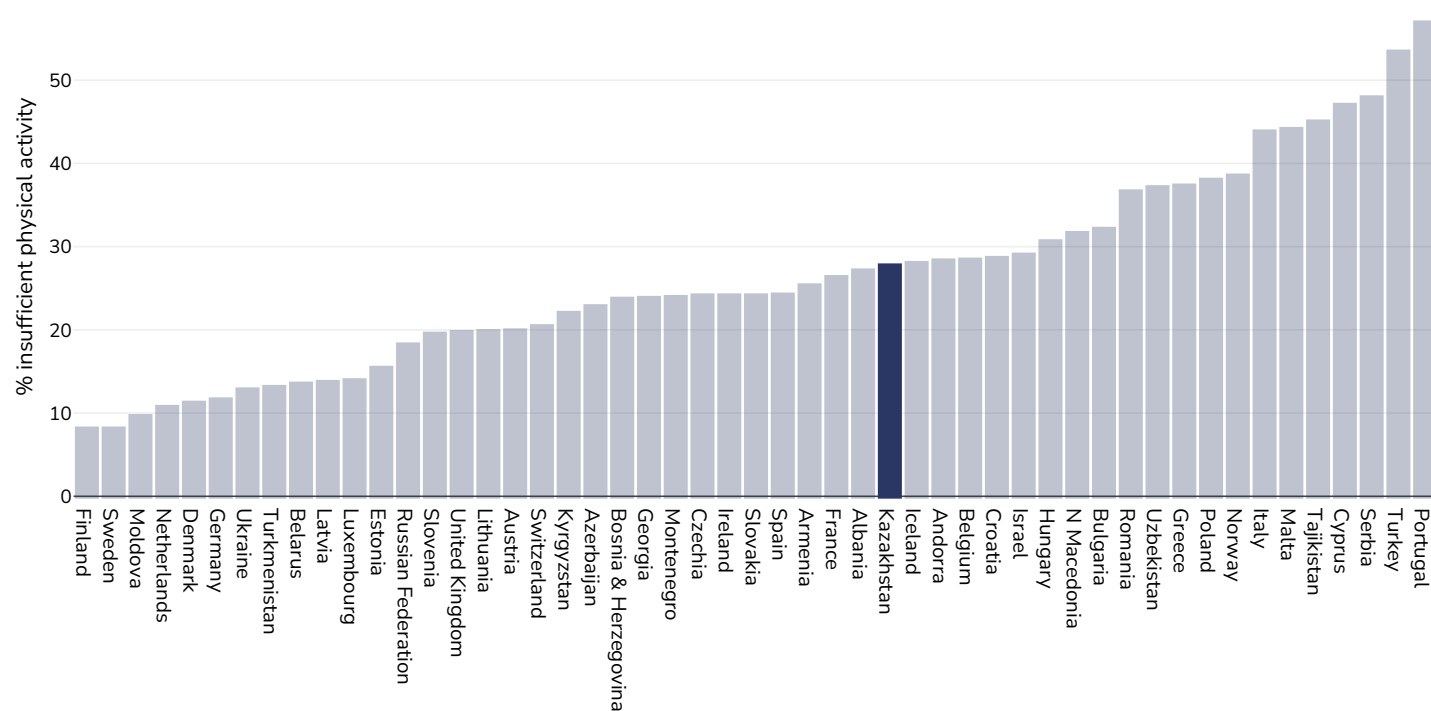
Age: 18+

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

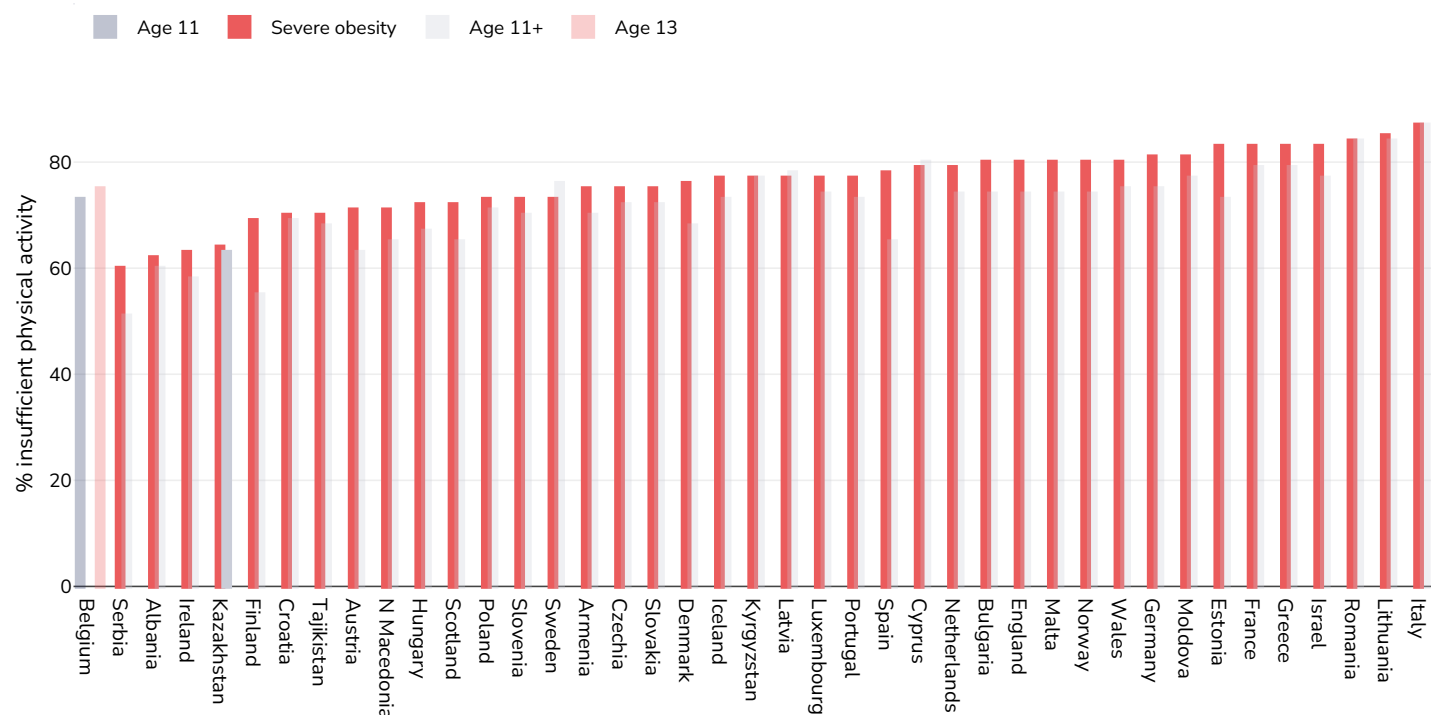
Age: 18+

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.

## Boys, 2022



Area covered:

National

References:

Rakić JG, Hamrik Z, Dzielska A, Felder-Puig R, Oja L, Bakalár P et al. A focus on adolescent physical activity, eating behaviours, weight status and body image in Europe, central Asia and Canada. Health Behaviour in School-aged Children international report from the 2021/2022 survey. Volume 4. Copenhagen: WHO Regional Office for Europe; 2024. Licence: CC BY-NC-SA 3.0 IGO. Health Behaviour in School-aged Children study (2023), Data browser (findings from the 2021/22 international HBSC survey): <https://data-browser.hbsc.org>.

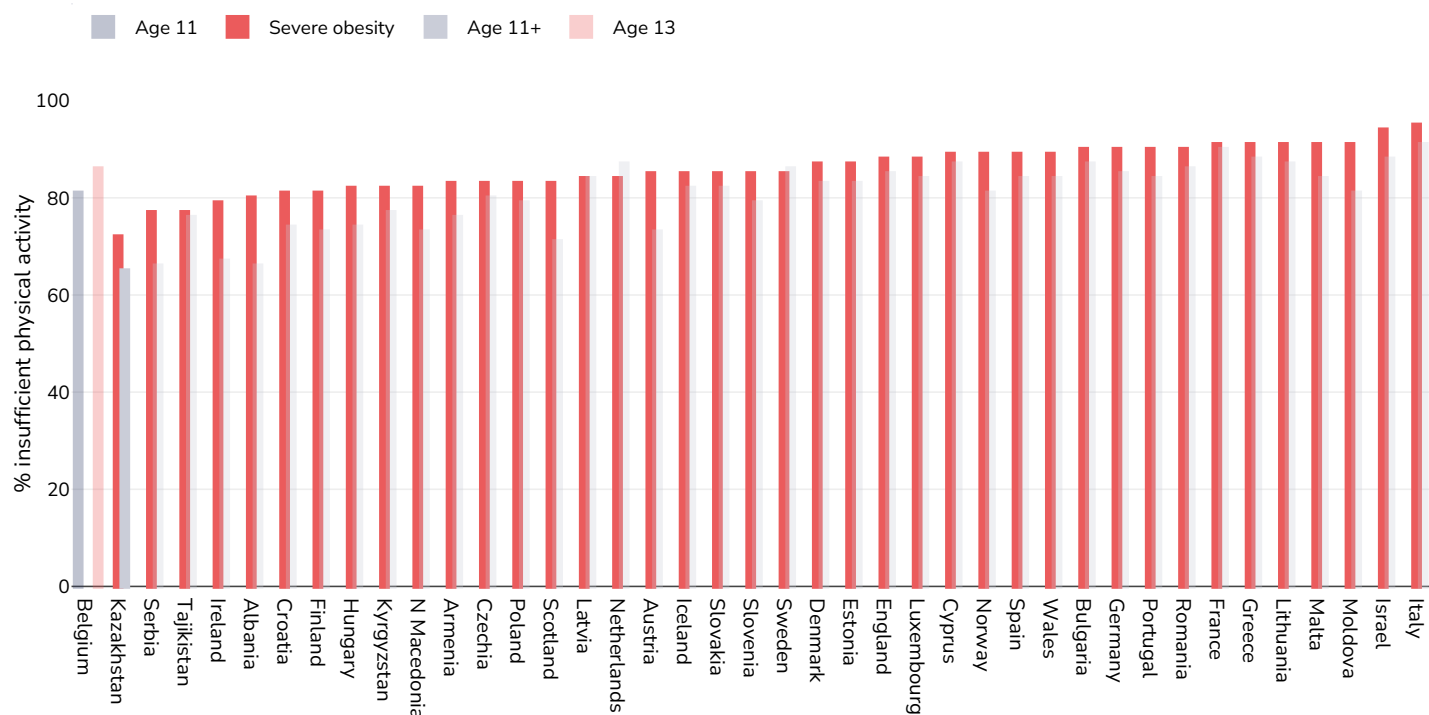
Notes:

Young people were asked to report the number of days over the past week during which they were physically active for a total of at least 60 minutes. The question was introduced by text defining moderate-to-vigorous physical activity (MVPA) as any activity that increases the heart rate and makes the person get out of breath some of the time, with examples provided. Findings presented on the Observatory show the proportions who report less than 60 minutes of MVPA daily.

Definitions:

% reporting less than 60 minutes of MVPA daily

## Girls, 2022



Area covered:

National

References:

RakiÄ? JG, Hamrik Z, Dzielska A, Felder-Puig R, Oja L, Bakalár P et al. A focus on adolescent physical activity, eating behaviours, weight status and body image in Europe, central Asia and Canada. Health Behaviour in School-aged Children international report from the 2021/2022 survey. Volume 4. Copenhagen: WHO Regional Office for Europe; 2024. Licence: CC BY-NC-SA 3.0 IGO. Health Behaviour in School-aged Children study (2023), Data browser (findings from the 2021/22 international HBSC survey): <https://data-browser.hbsc.org>.

Notes:

Young people were asked to report the number of days over the past week during which they were physically active for a total of at least 60 minutes. The question was introduced by text defining moderate-to-vigorous physical activity (MVPA) as any activity that increases the heart rate and makes the person get out of breath some of the time, with examples provided. Findings presented on the Observatory show the proportions who report less than 60 minutes of MVPA daily.

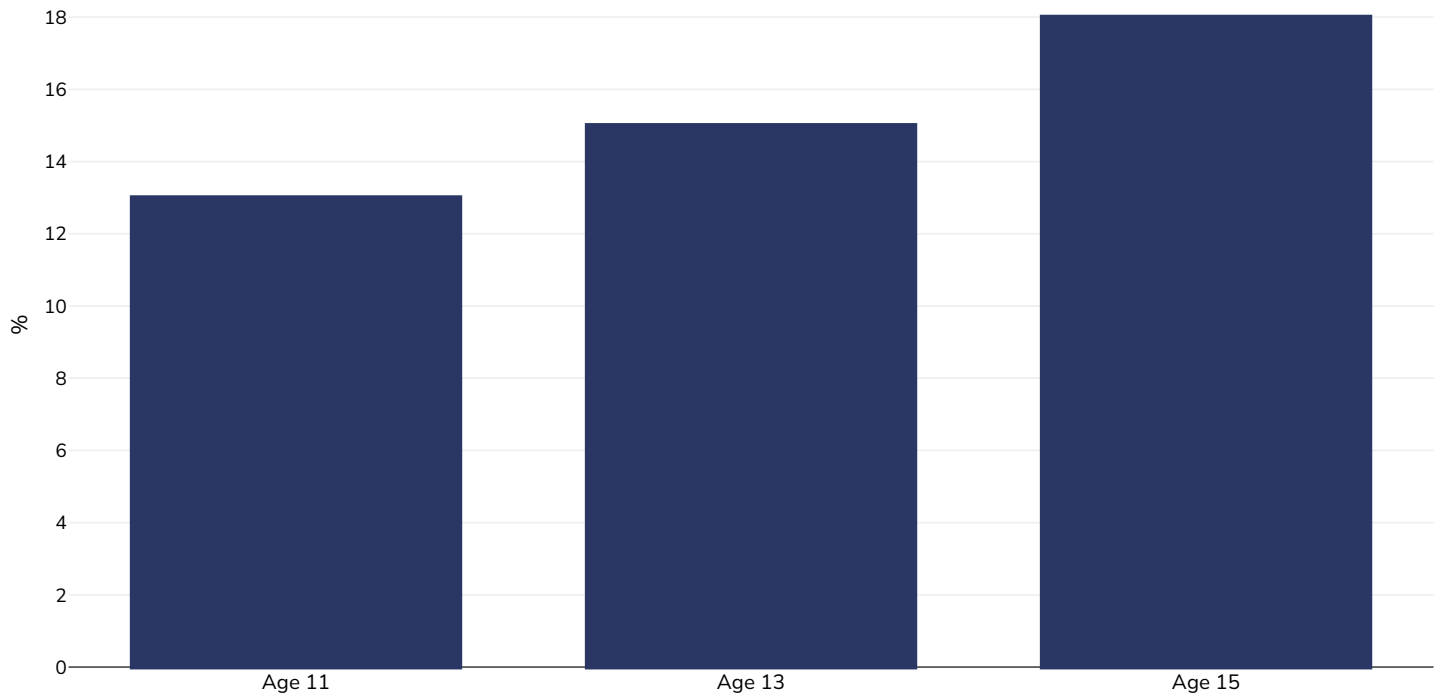
Definitions:

% reporting less than 60 minutes of MVPA daily



## Prevalence of at least daily carbonated soft drink consumption

### Boys, 2021-2022

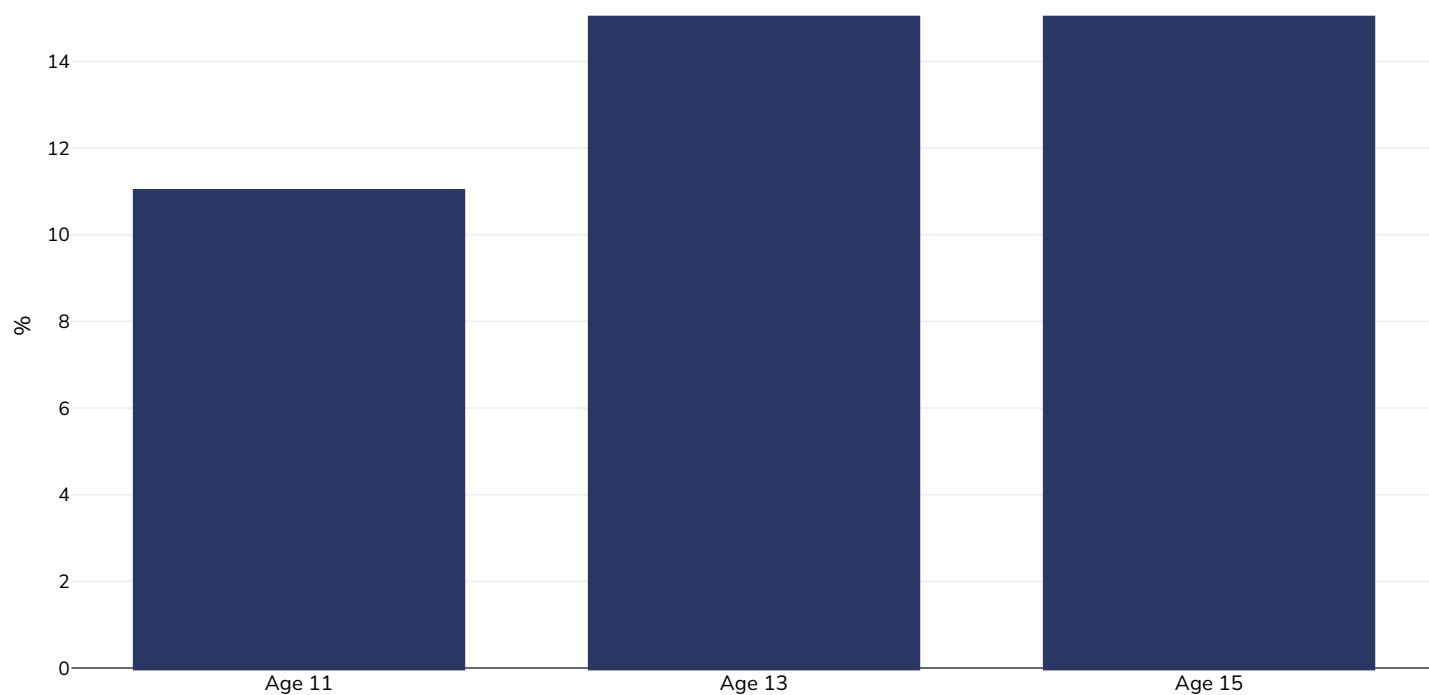


**Area covered:** National

**References:** Health Behaviour in School-aged Children study (2023), Data browser (findings from the 2021/22 international HBSC survey): <https://data-browser.hbsc.org>

**Definitions:** Proportion who reported drinking sugary soft drinks daily (at least once)

## Girls, 2021-2022



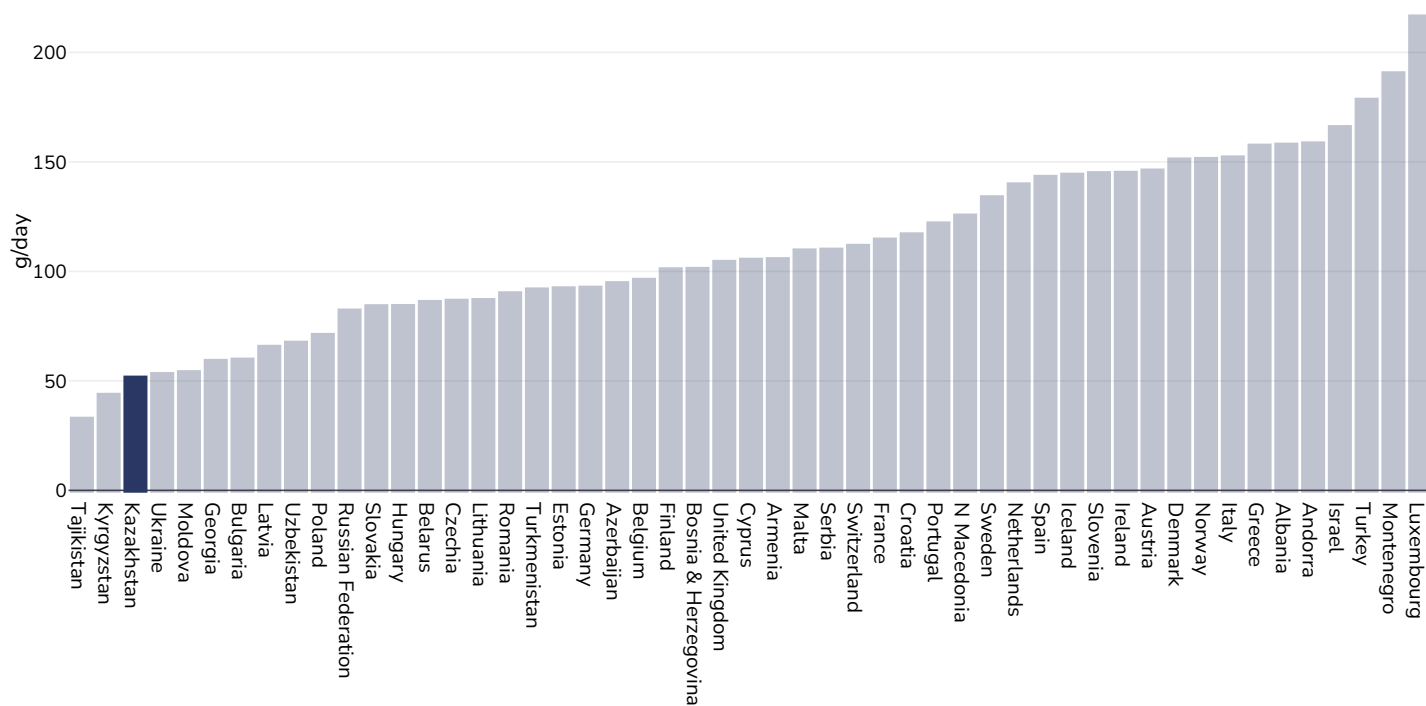
**Area covered:** National

**References:** Health Behaviour in School-aged Children study (2023), Data browser (findings from the 2021/22 international HBSC survey): <https://data-browser.hbsc.org>

**Definitions:** Proportion who reported drinking sugary soft drinks daily (at least once)

## Estimated per capita fruit intake

### Adults, 2017



Survey type: Measured

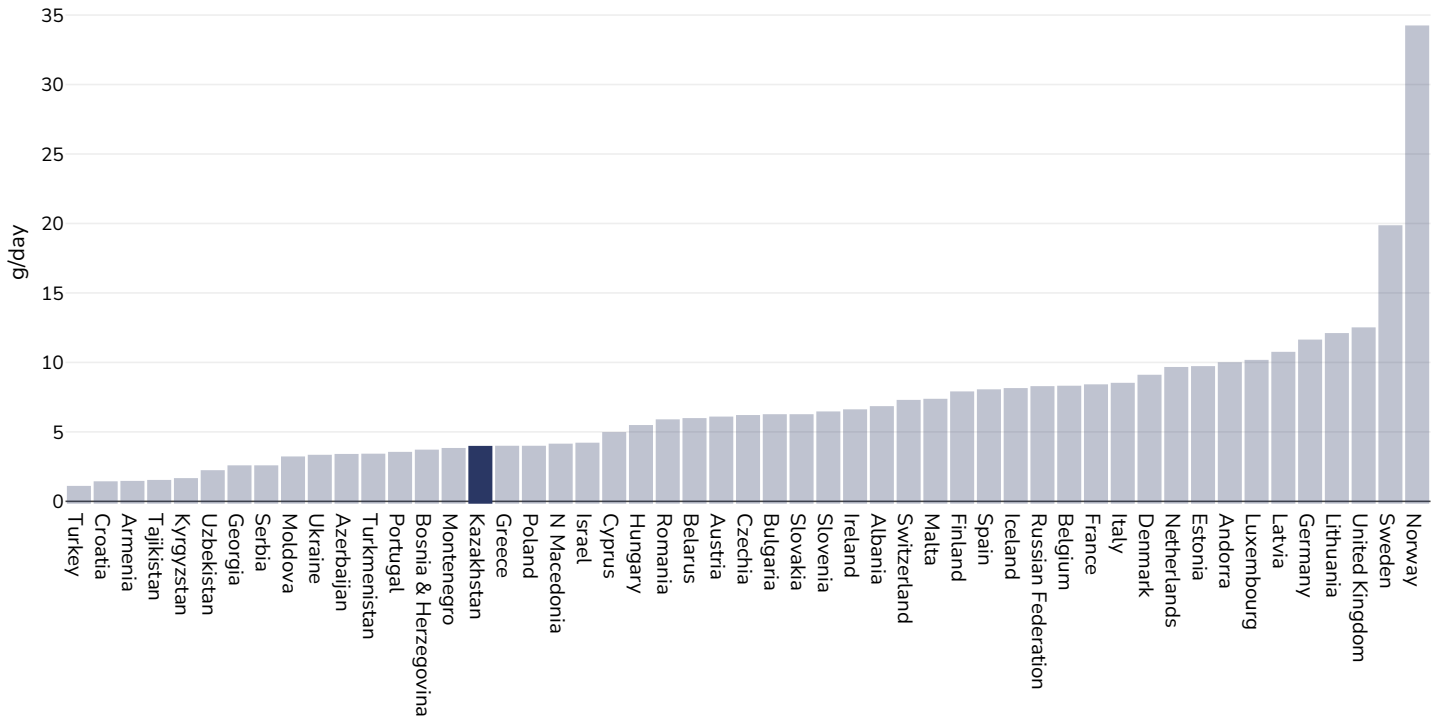
Age: 25+

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

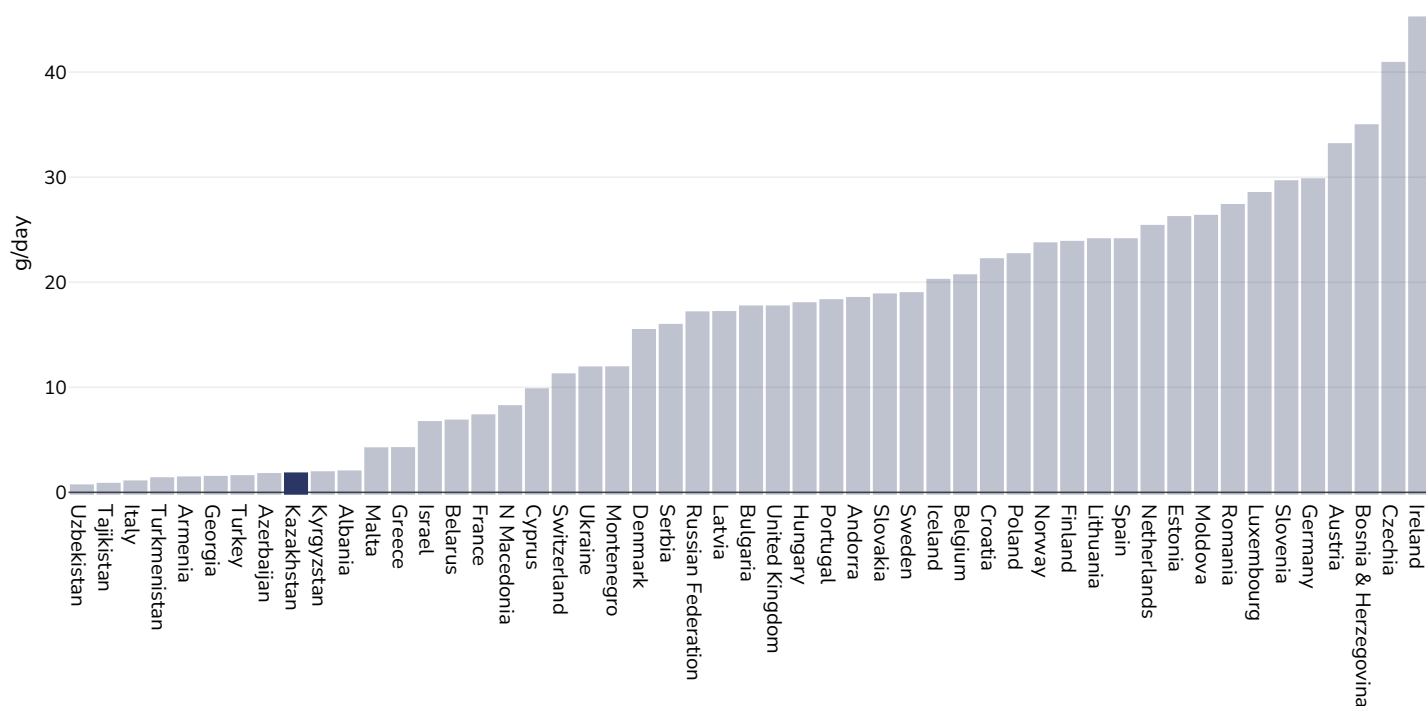
### Adults, 2017



Survey type:	Measured
Age:	25+
References:	Global Burden of Disease, the Institute for Health Metrics and Evaluation <a href="http://ghdx.healthdata.org/">http://ghdx.healthdata.org/</a>
Definitions:	Estimated per-capita processed meat intake (g per day)

## Estimated per capita whole grains intake

Adults, 2017



Survey type: Measured

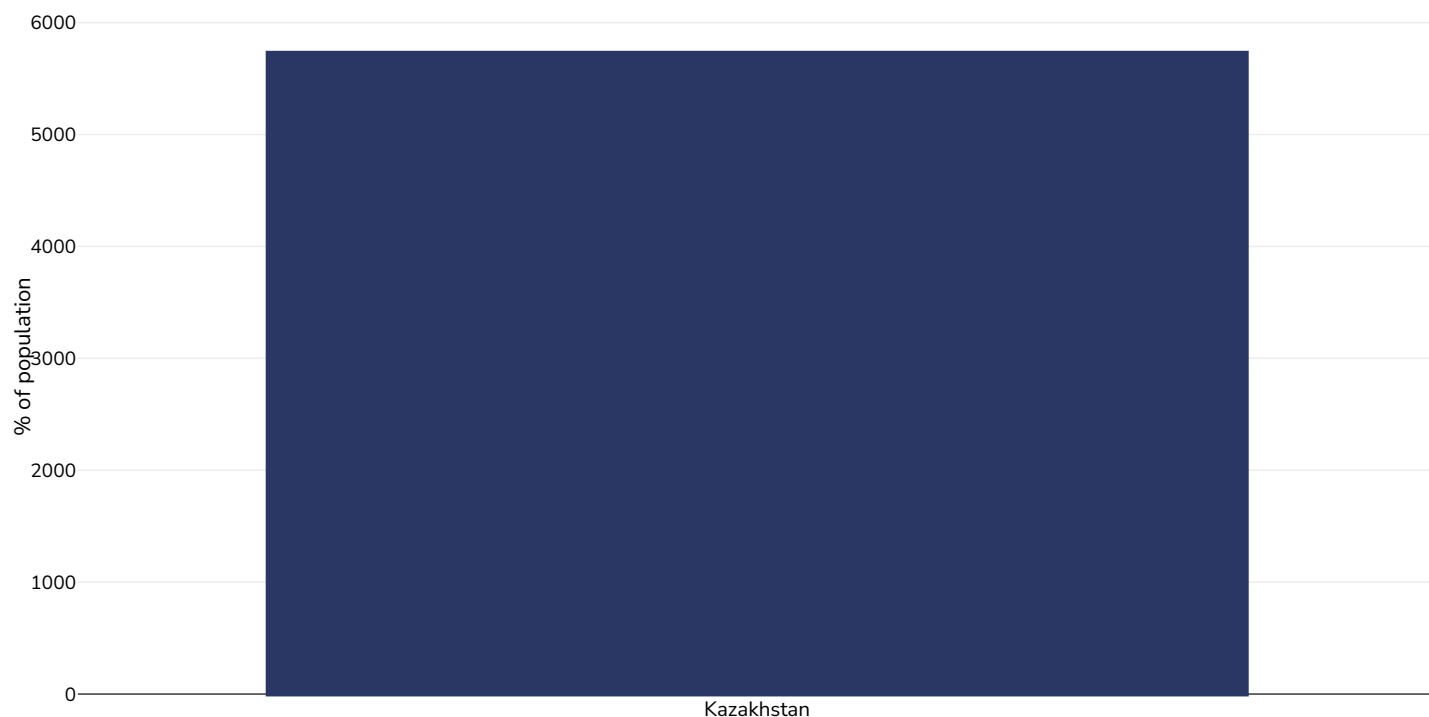
Age: 25+

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, 2021



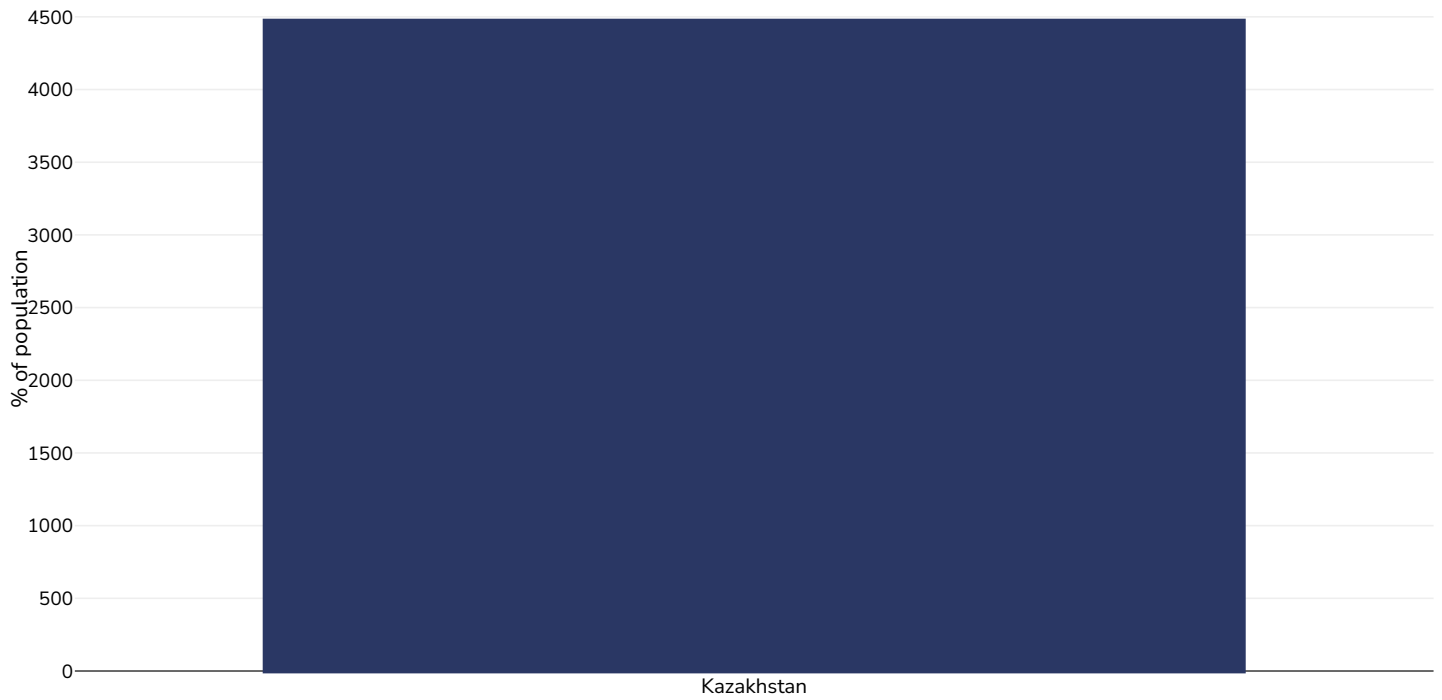
Age: 20+

Area covered: National

References: Institute for Health Metrics and Evaluation (IHME). GBD Compare Data Visualization. Global Burden of Disease (GBD) Study 2021. Seattle, WA: IHME, University of Washington, 2023. Available from <http://vizhub.healthdata.org/gbd-compare>. (Last accessed 23.04.25)

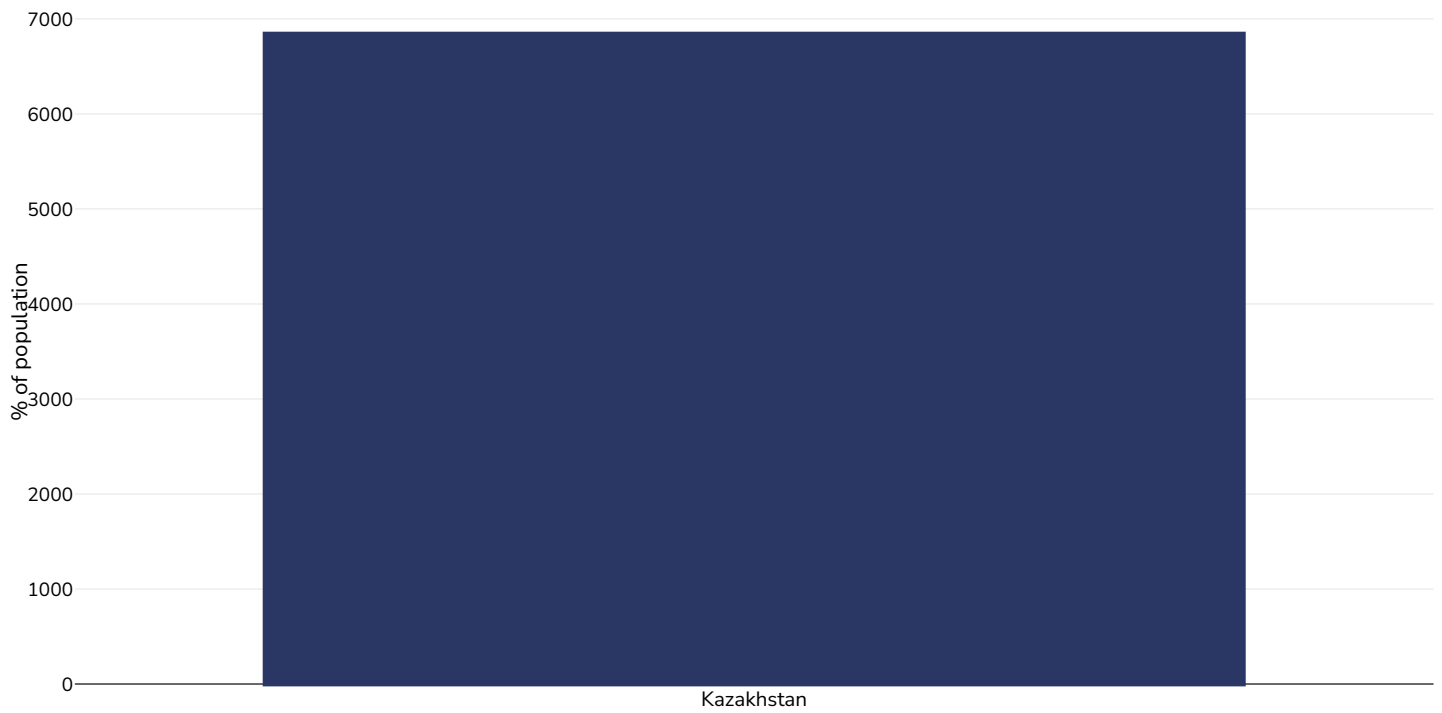
Definitions: Number living with depression per 100,000 population (adults 20+ years)

## Men, 2021



<b>Age:</b>	20+
<b>Area covered:</b>	National
<b>References:</b>	Institute for Health Metrics and Evaluation (IHME). GBD Compare Data Visualization. Global Burden of Disease (GBD) Study 2021. Seattle, WA: IHME, University of Washington, 2023. Available from <a href="http://vizhub.healthdata.org/gbd-compare">http://vizhub.healthdata.org/gbd-compare</a> . (Last accessed 23.04.25)
<b>Definitions:</b>	Number living with depression per 100,000 population (adults 20+ years)

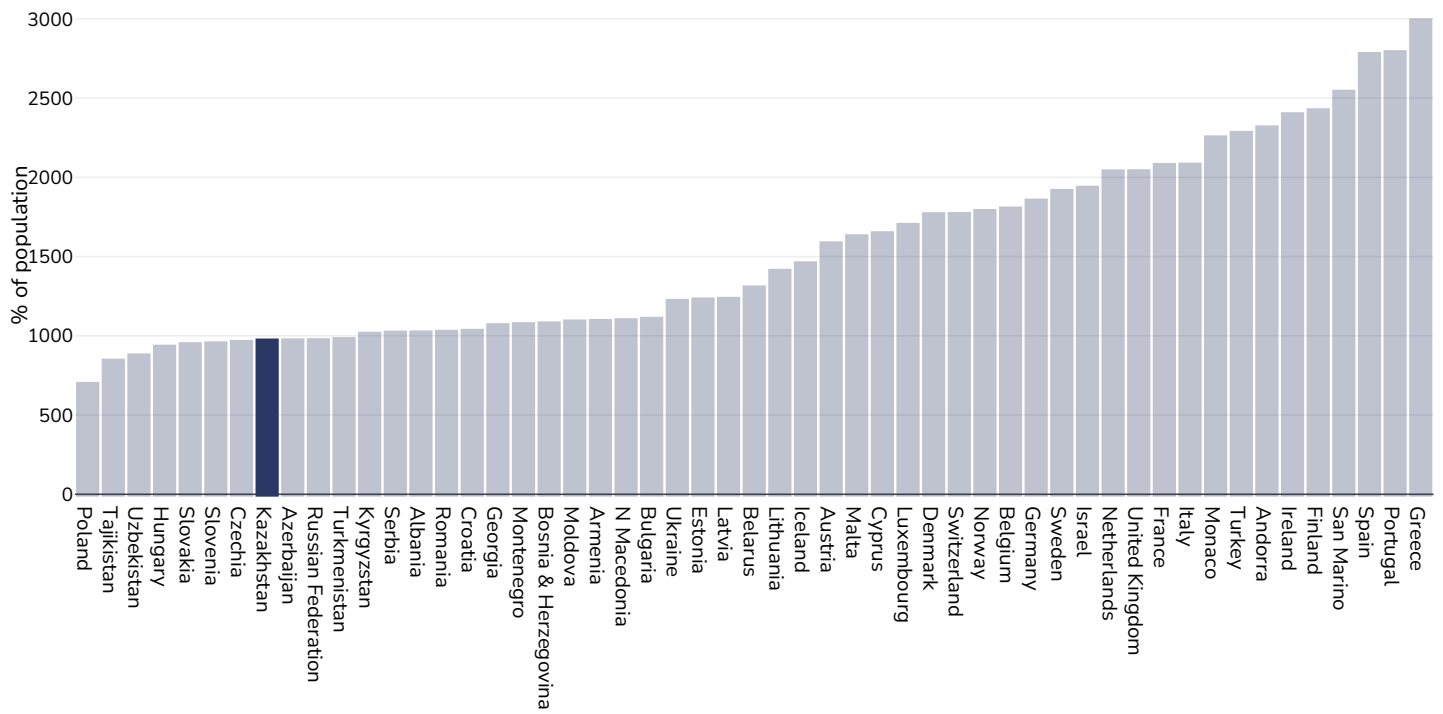
## Women, 2021



<b>Age:</b>	20+
<b>Area covered:</b>	National
<b>References:</b>	Institute for Health Metrics and Evaluation (IHME). GBD Compare Data Visualization. Global Burden of Disease (GBD) Study 2021. Seattle, WA: IHME, University of Washington, 2023. Available from <a href="http://vizhub.healthdata.org/gbd-compare">http://vizhub.healthdata.org/gbd-compare</a> . (Last accessed 23.04.25)
<b>Definitions:</b>	Number living with depression per 100,000 population (adults 20+ years)

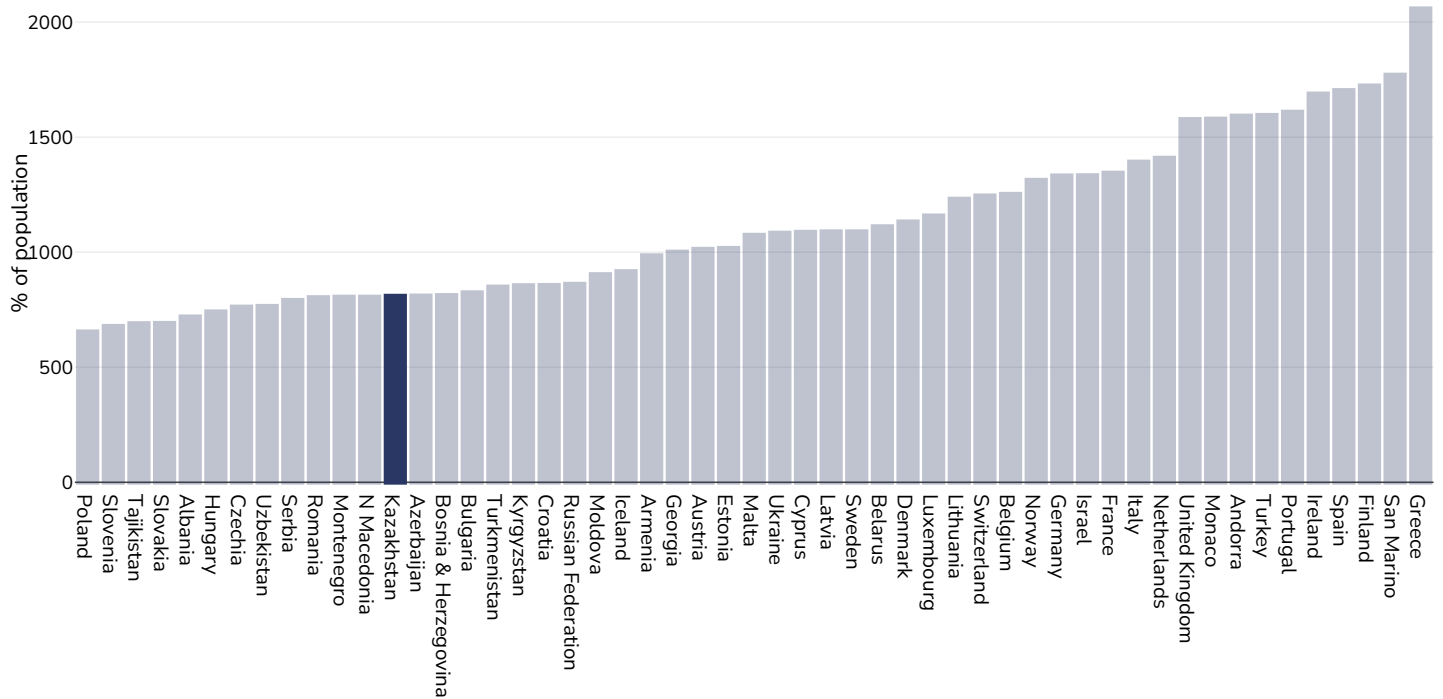


## Children, 2021



<b>Area covered:</b>	National
<b>References:</b>	Institute for Health Metrics and Evaluation (IHME). GBD Compare Data Visualization. Global Burden of Disease (GBD) Study 2021. Seattle, WA: IHME, University of Washington, 2023. Available from <a href="http://vizhub.healthdata.org/gbd-compare">http://vizhub.healthdata.org/gbd-compare</a> . (Last accessed 23.04.25)
<b>Definitions:</b>	Number living with depressive disorder per 100,000 population (Under 20 years of age)

## Boys, 2021



Area covered:

National

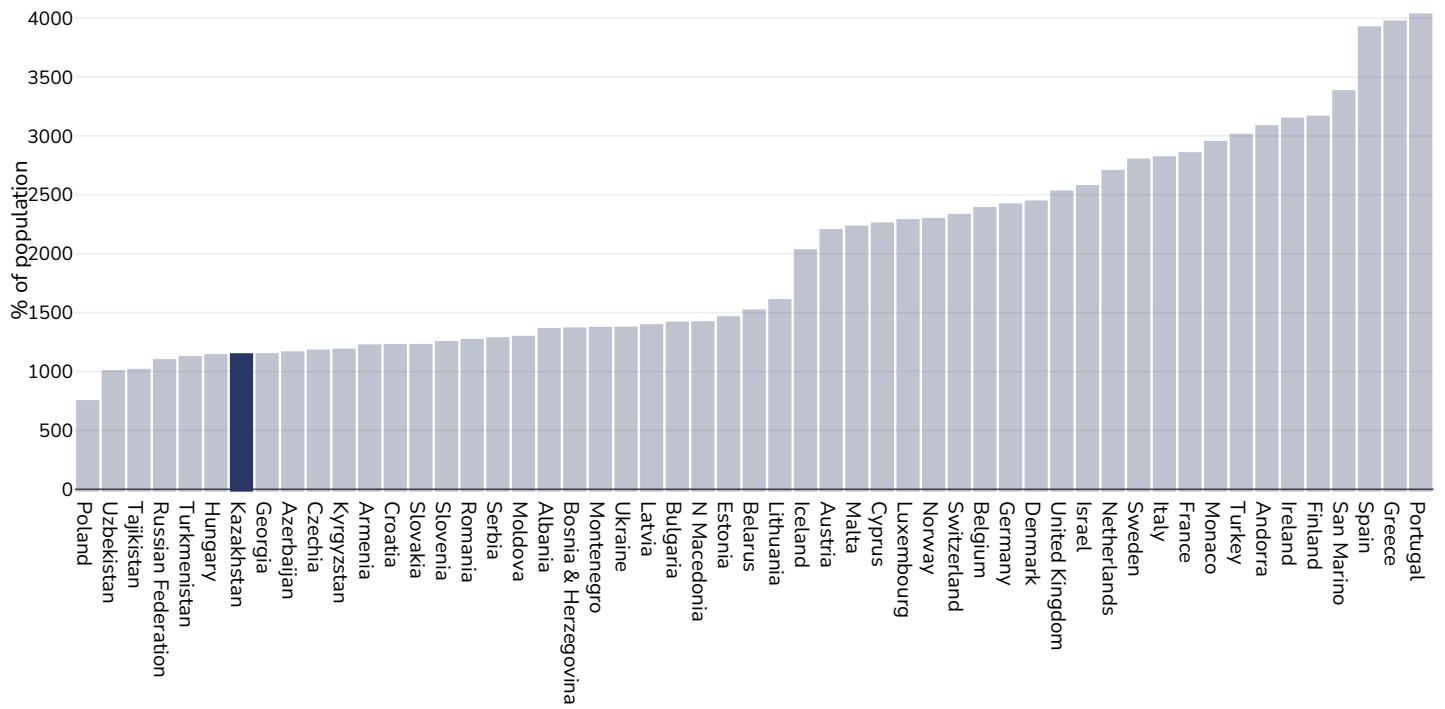
References:

Institute for Health Metrics and Evaluation (IHME). GBD Compare Data Visualization. Global Burden of Disease (GBD) Study 2021. Seattle, WA: IHME, University of Washington, 2023. Available from <http://vizhub.healthdata.org/gbd-compare>. (Last accessed 23.04.25)

Definitions:

Number living with depressive disorder per 100,000 population (Under 20 years of age)

## Girls, 2021



Area covered:

National

References:

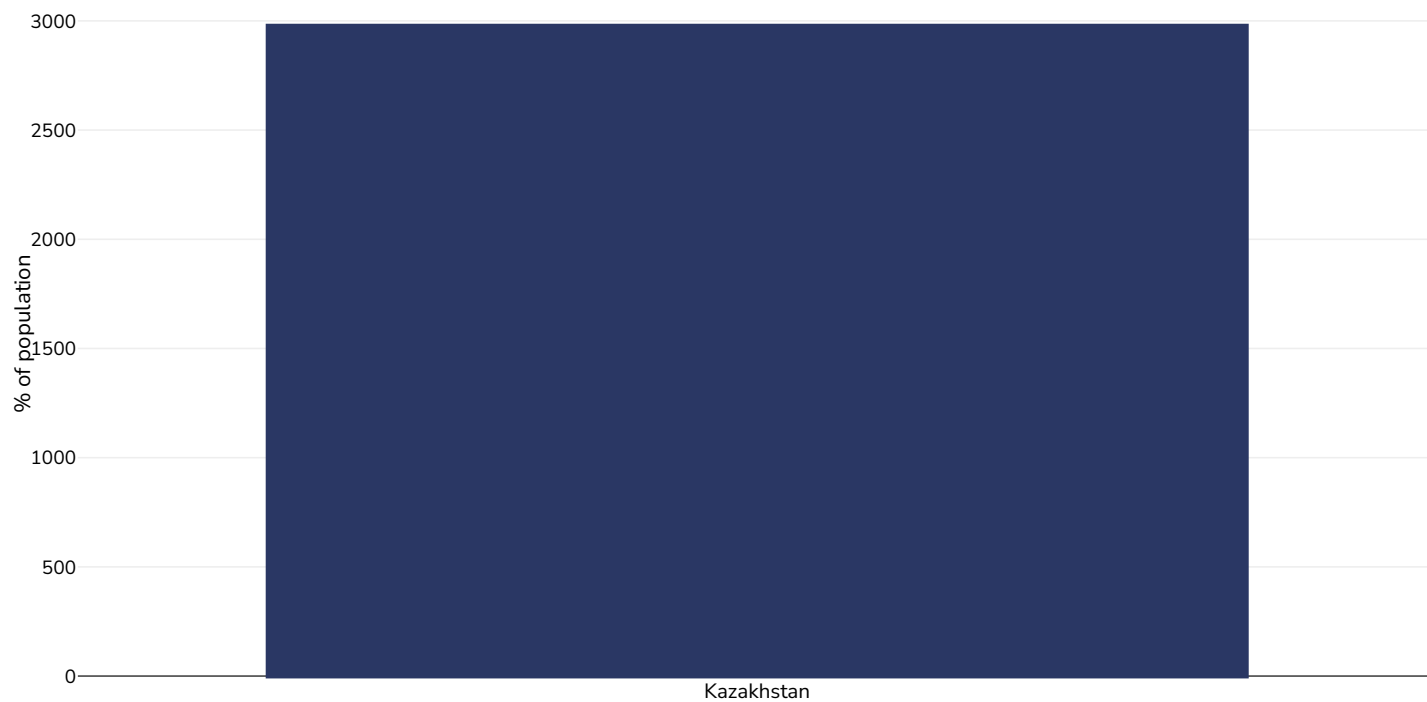
Institute for Health Metrics and Evaluation (IHME). GBD Compare Data Visualization. Global Burden of Disease (GBD) Study 2021. Seattle, WA: IHME, University of Washington, 2023. Available from <http://vizhub.healthdata.org/gbd-compare>. (Last accessed 23.04.25)

Definitions:

Number living with depressive disorder per 100,000 population (Under 20 years of age)

## Mental health - anxiety disorders

### Adults, 2021

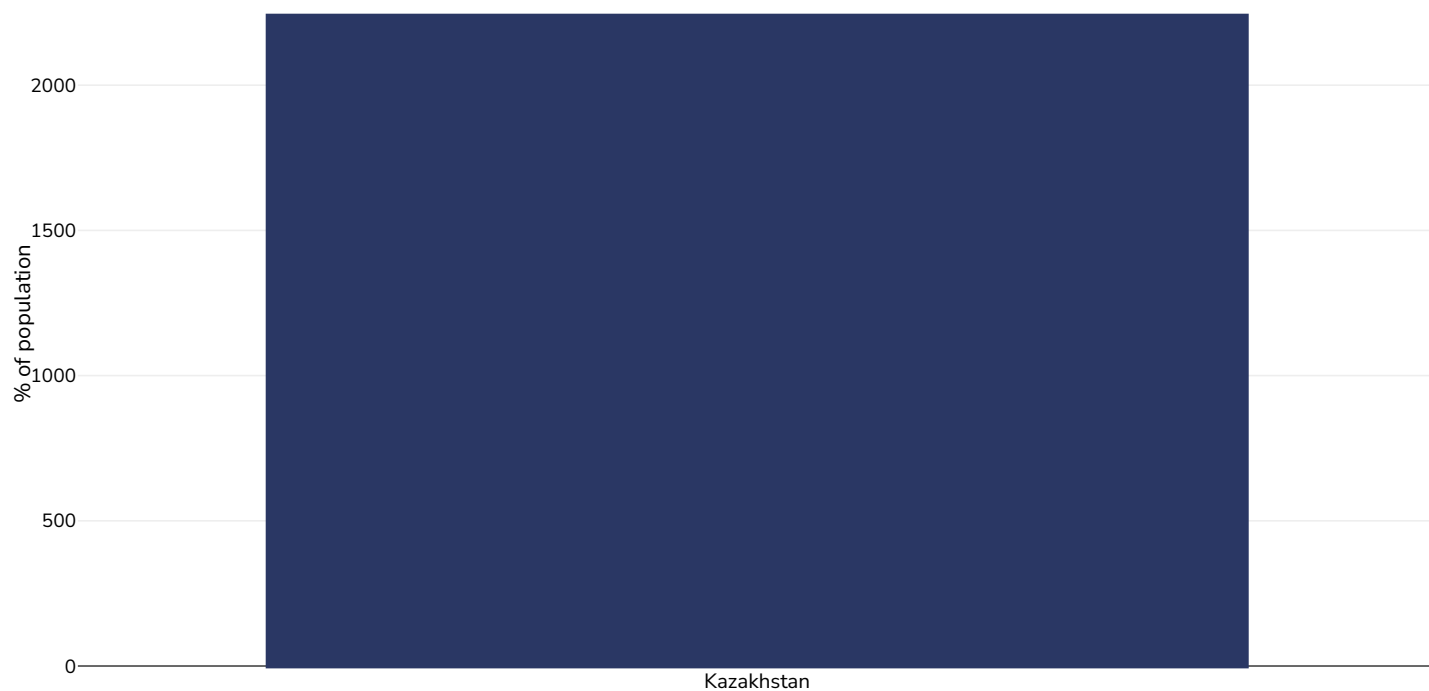


Age: 20+

References: Institute for Health Metrics and Evaluation (IHME). GBD Compare Data Visualization. Global Burden of Disease (GBD) Study 2021. Seattle, WA: IHME, University of Washington, 2023. Available from <http://vizhub.healthdata.org/gbd-compare>. (Last accessed 23.04.25).

Definitions: Number living with anxiety per 100,000 population

## Men, 2021

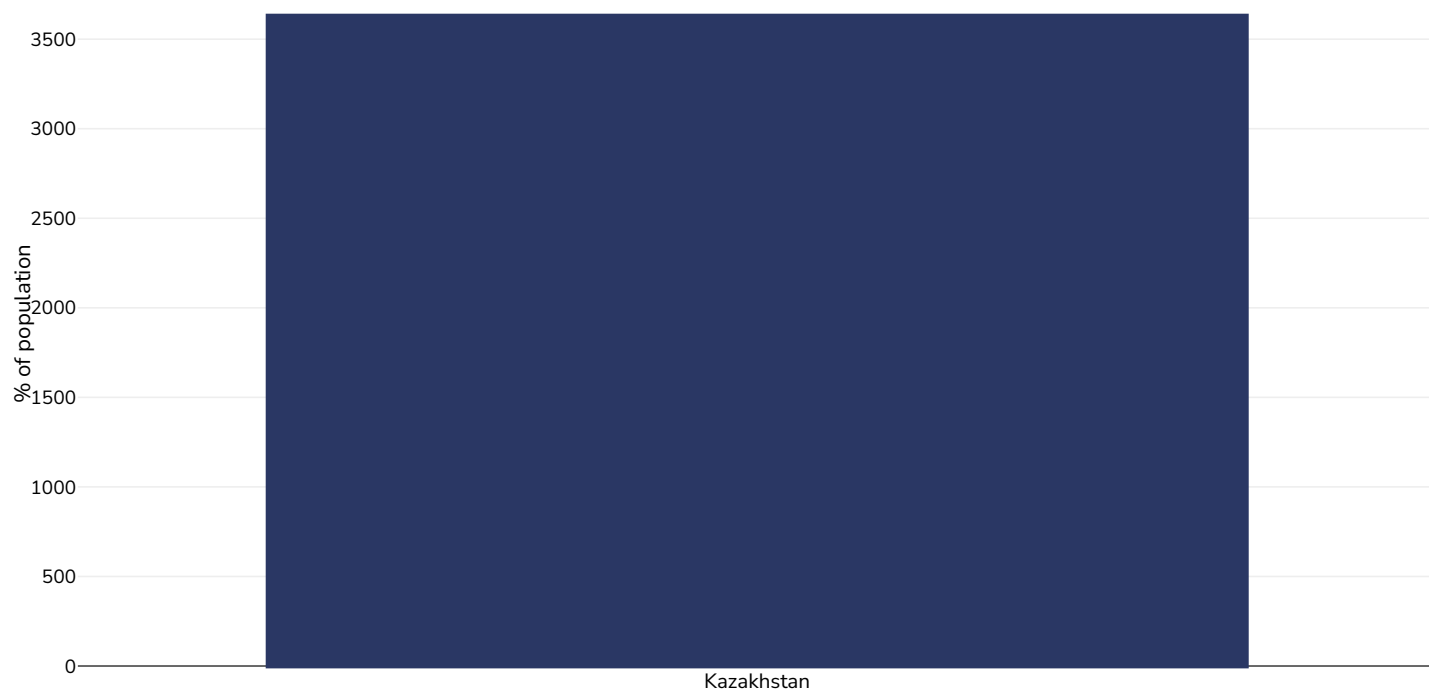


Age: 20+

References: Institute for Health Metrics and Evaluation (IHME). GBD Compare Data Visualization. Global Burden of Disease (GBD) Study 2021. Seattle, WA: IHME, University of Washington, 2023. Available from <http://vizhub.healthdata.org/gbd-compare>. (Last accessed 23.04.25).

Definitions: Number living with anxiety per 100,000 population

## Women, 2021

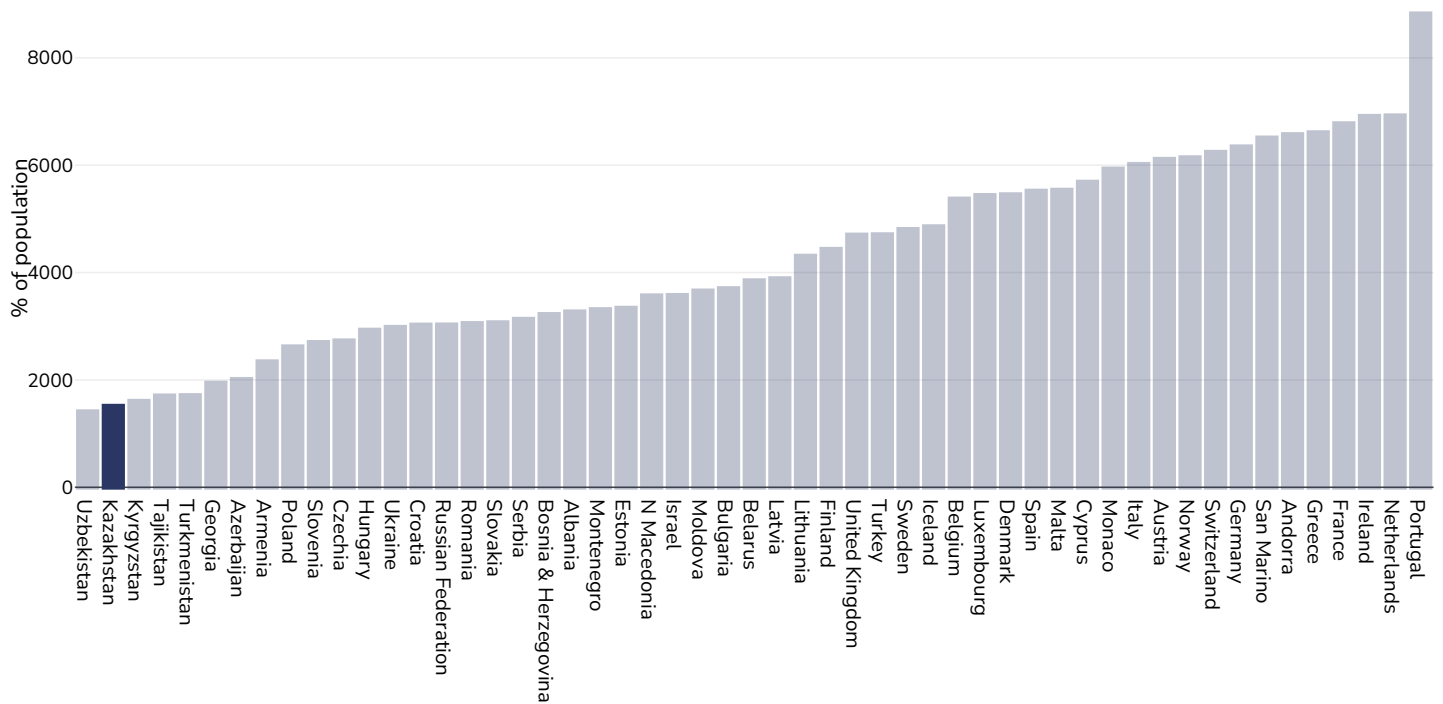


Age: 20+

References: Institute for Health Metrics and Evaluation (IHME). GBD Compare Data Visualization. Global Burden of Disease (GBD) Study 2021. Seattle, WA: IHME, University of Washington, 2023. Available from <http://vizhub.healthdata.org/gbd-compare>. (Last accessed 23.04.25).

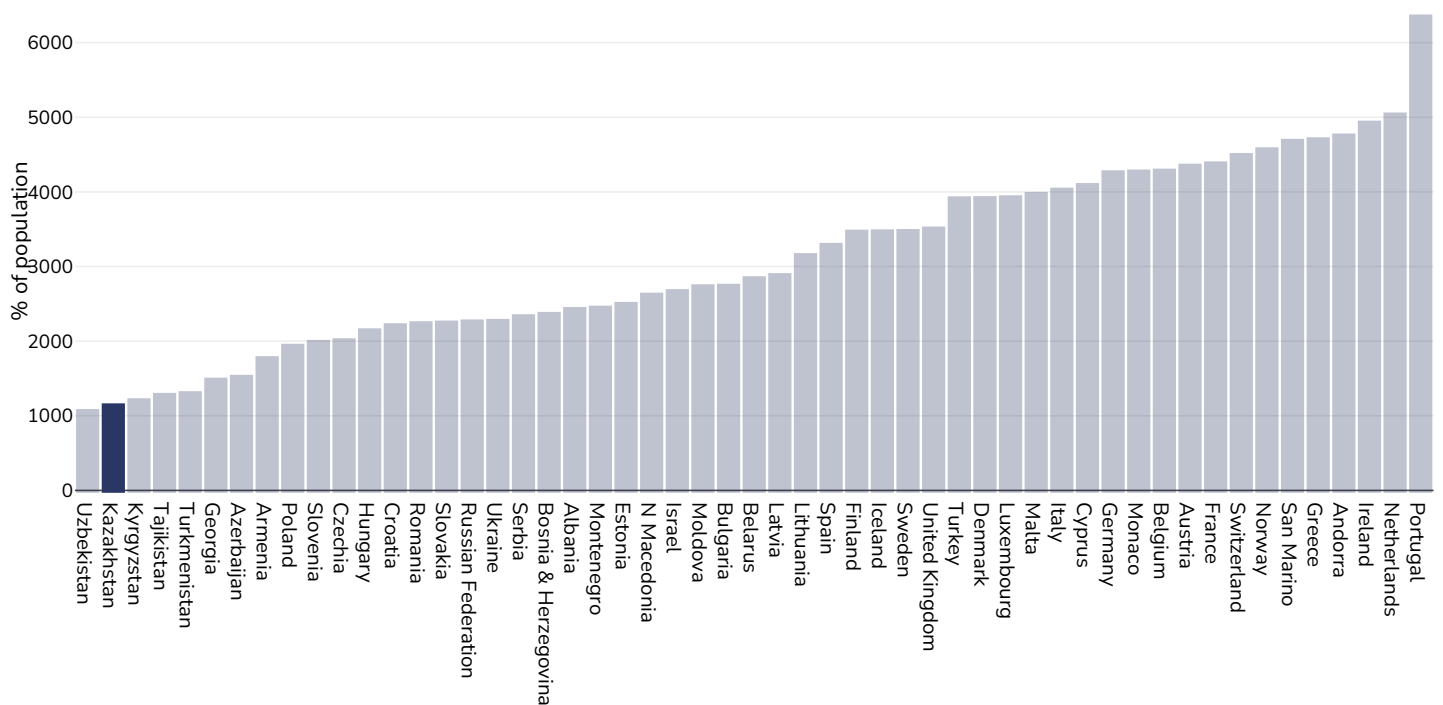
Definitions: Number living with anxiety per 100,000 population

## Children, 2021



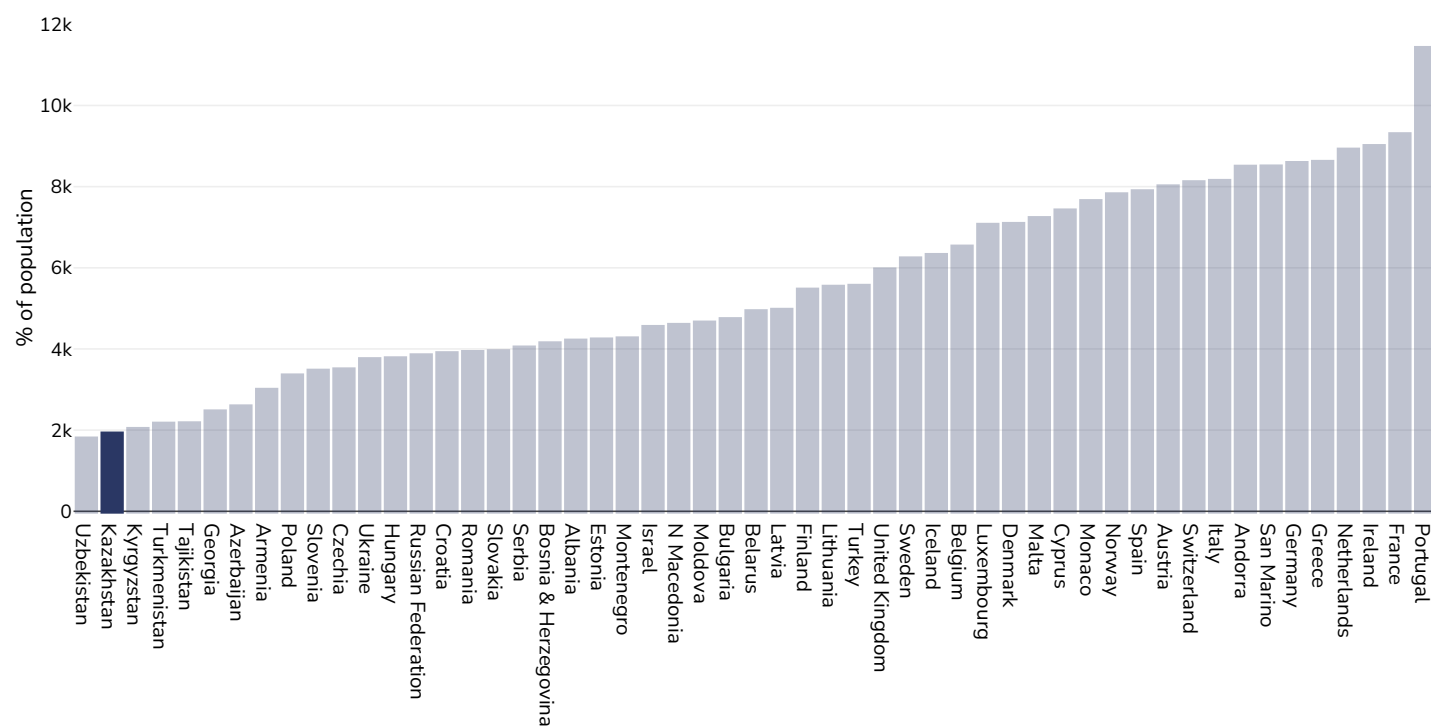
**References:** Institute for Health Metrics and Evaluation (IHME). GBD Compare Data Visualization. Global Burden of Disease (GBD) Study 2021. Seattle, WA: IHME, University of Washington, 2023. Available from <http://vizhub.healthdata.org/gbd-compare>. (Last accessed 23.04.25)

## Boys, 2021



**References:** Institute for Health Metrics and Evaluation (IHME). GBD Compare Data Visualization. Global Burden of Disease (GBD) Study 2021. Seattle, WA: IHME, University of Washington, 2023. Available from <http://vizhub.healthdata.org/gbd-compare>. (Last accessed 23.04.25)

## Girls, 2021

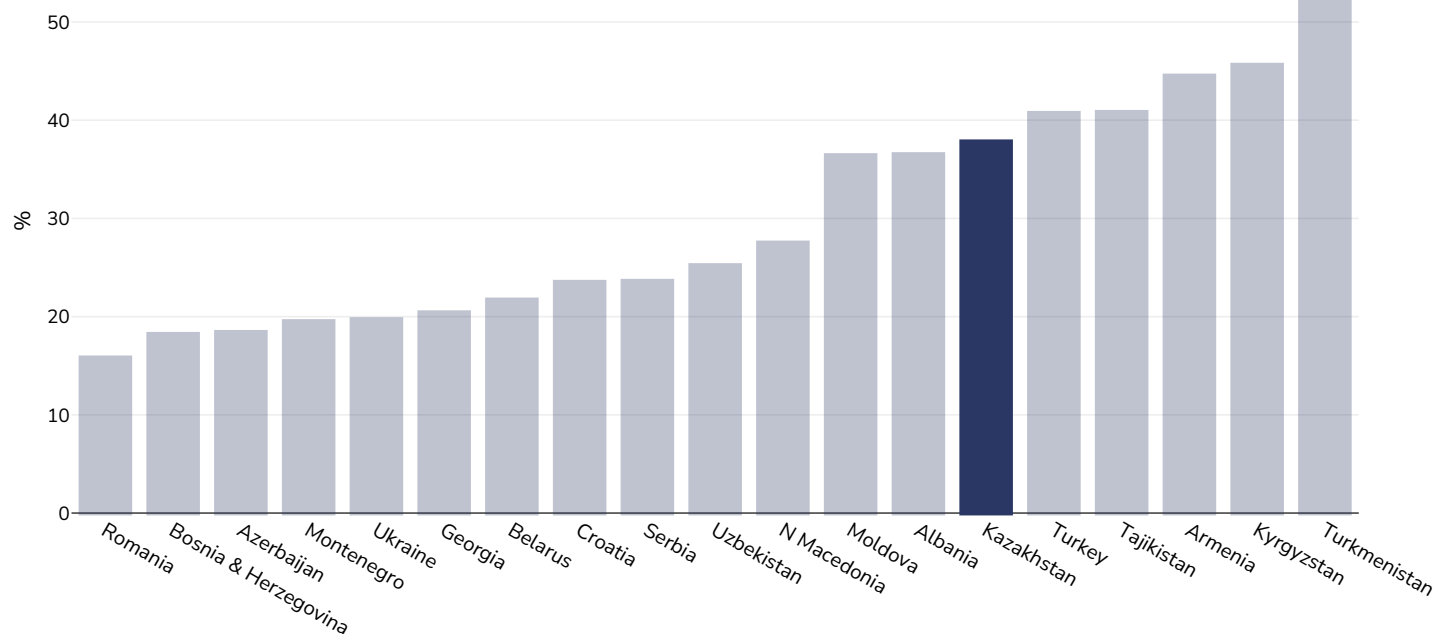


**References:** Institute for Health Metrics and Evaluation (IHME). GBD Compare Data Visualization. Global Burden of Disease (GBD) Study 2021. Seattle, WA: IHME, University of Washington, 2023. Available from <http://vizhub.healthdata.org/gbd-compare>. (Last accessed 23.04.25)



## % Infants exclusively breastfed 0-5 months

0-5 years, 1996-2023

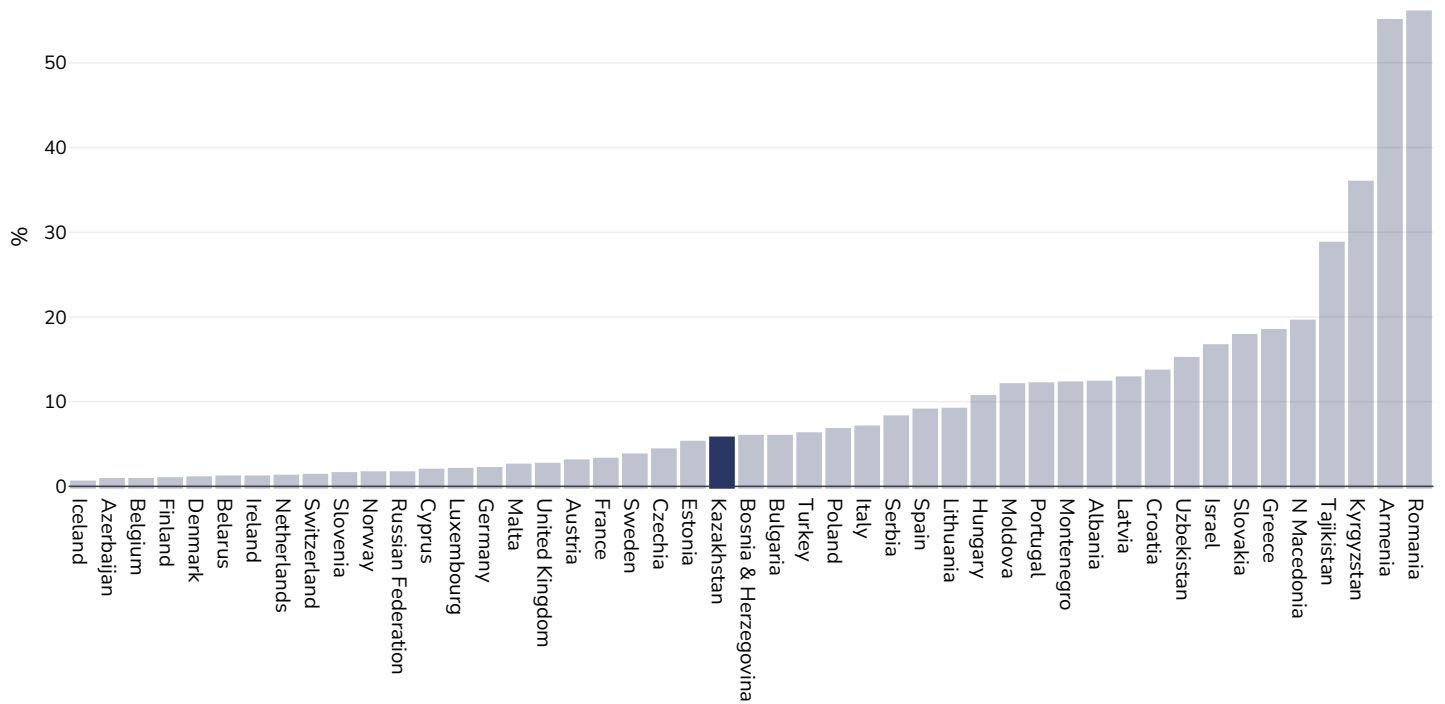


**References:** 2015 Kazakhstan Multiple Indicator Cluster Survey, Final Report. Astana, Kazakhstan: The Statistics Committee of the Ministry of National Economy of the Republic of Kazakhstan, 2016.

**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.

## Percent of population who cannot afford a healthy diet

Adults, 2022



Area covered:

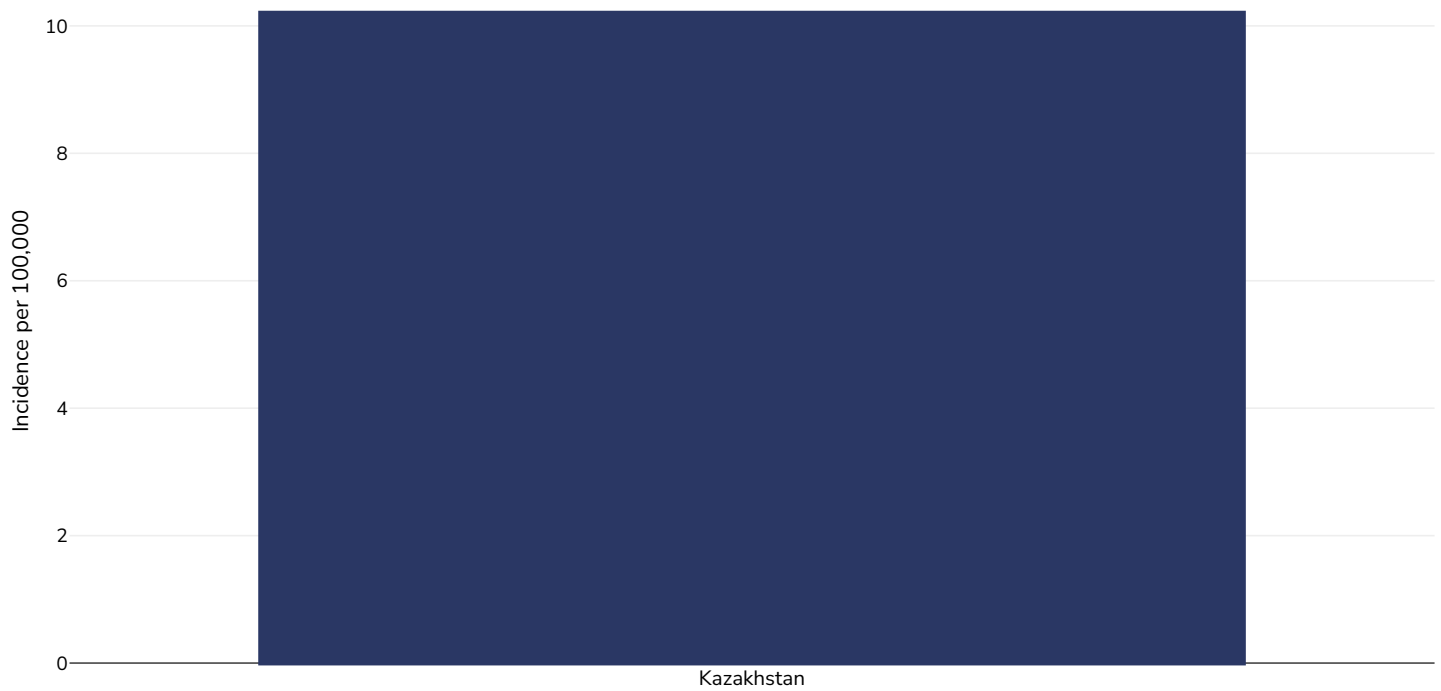
National

References:

The Food Systems Dashboard. The Global Alliance for Improved Nutrition (GAIN), The Columbia Climate School, and Cornell University College of Agriculture and Life Sciences. 2024. Geneva, Switzerland. <https://www.foodsystemsdashboard.org>. DOI: <https://doi.org/10.36072/db>.

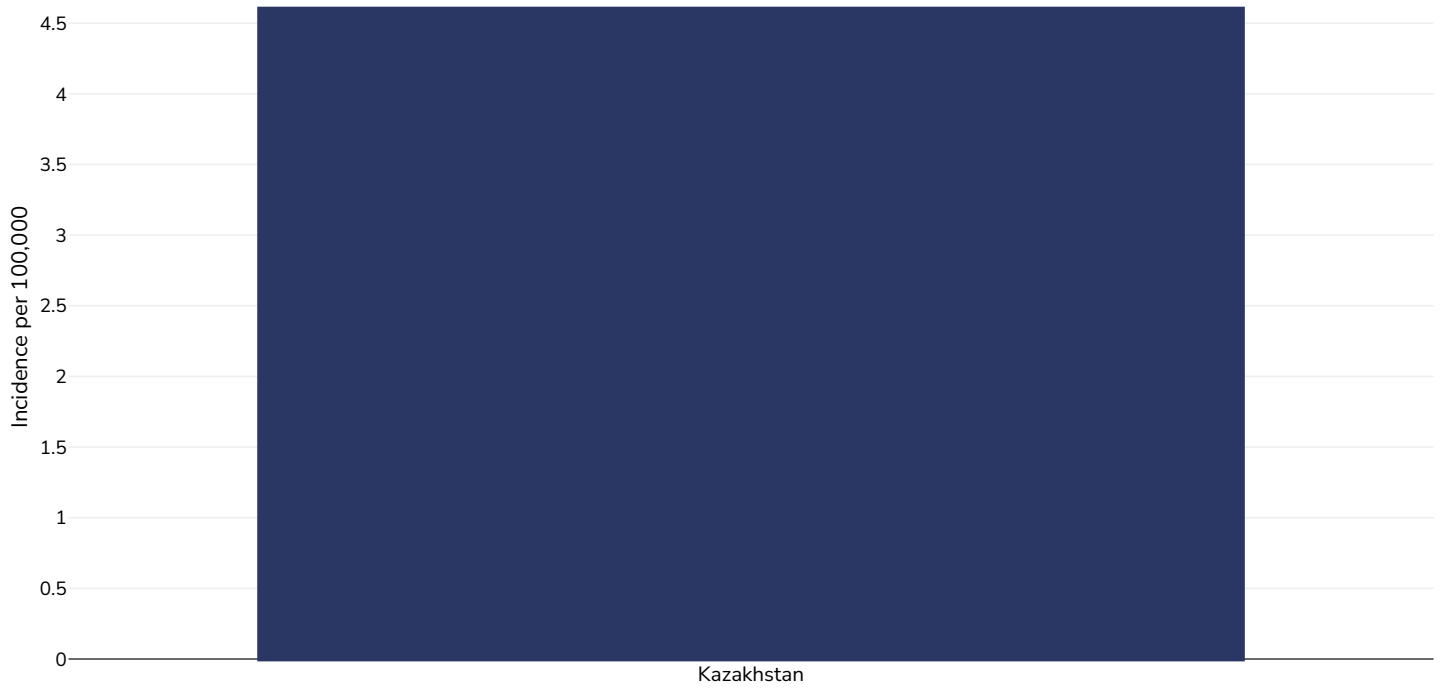
## Oesophageal cancer

### 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: <a href="https://gco.iarc.who.int/today">https://gco.iarc.who.int/today</a> , accessed [16.07.24]
Definitions:	Indicence per 100,000

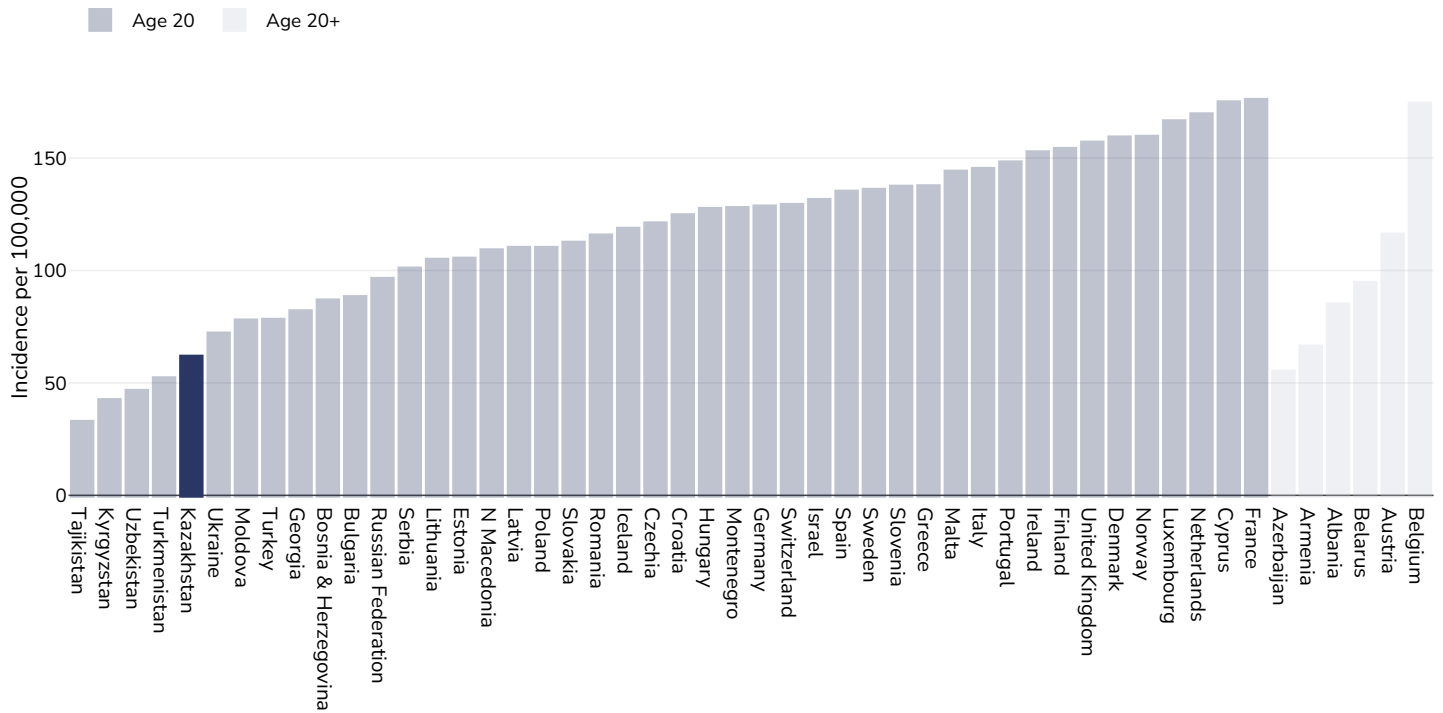
## Women, 2022



<b>Age:</b>	20+
<b>Area covered:</b>	National
<b>References:</b>	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: <a href="https://gco.iarc.who.int/today">https://gco.iarc.who.int/today</a> , accessed [16.07.24]
<b>Definitions:</b>	Indicence per 100,000

## Breast cancer

### Women, 2022



Area covered:

National

References:

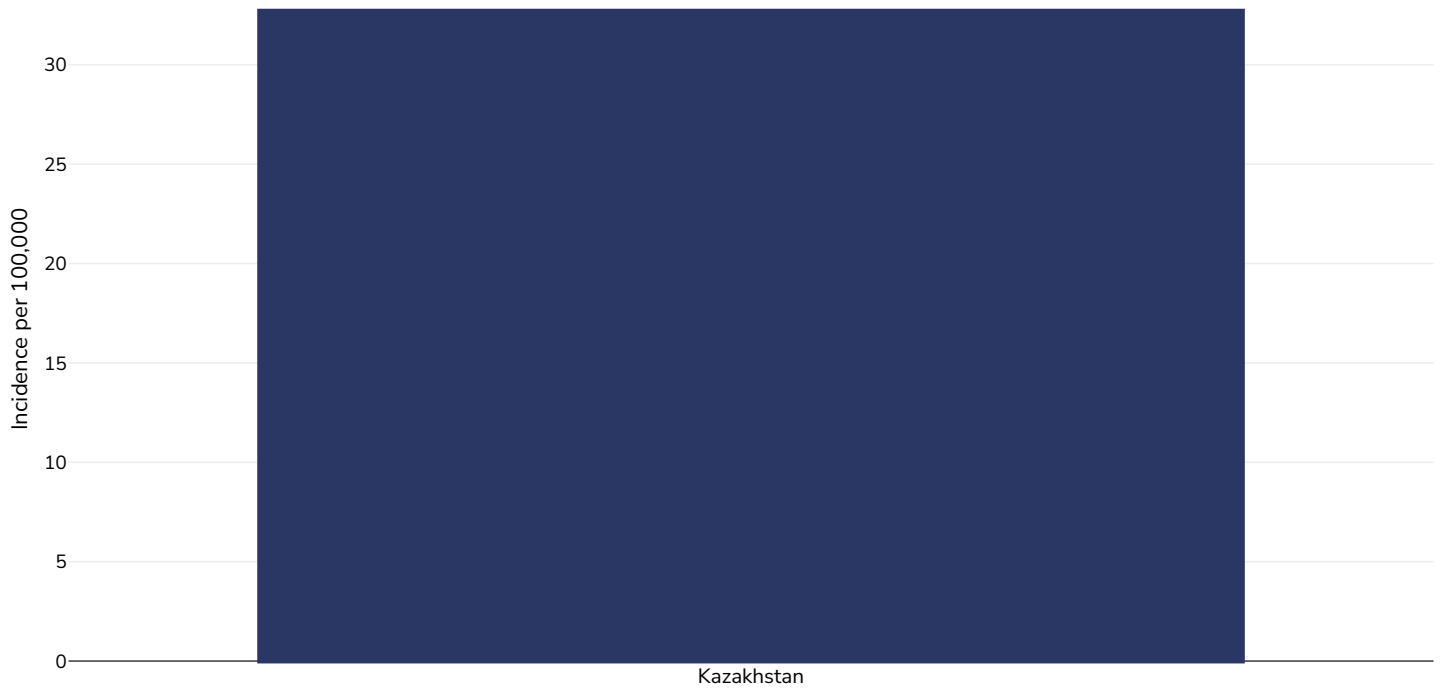
Ferlay J, Ervik M, Lam F, Laversanne M, Colombet M, Mery L, Piñeros M, Znaor A, Soerjomataram I, Bray F (2024). Global Cancer Observatory: Cancer Today. Lyon, France: International Agency for Research on Cancer. Available from: <https://gco.iarc.who.int/today>, accessed [16.07.24]

Definitions:

Incidence per 100,000

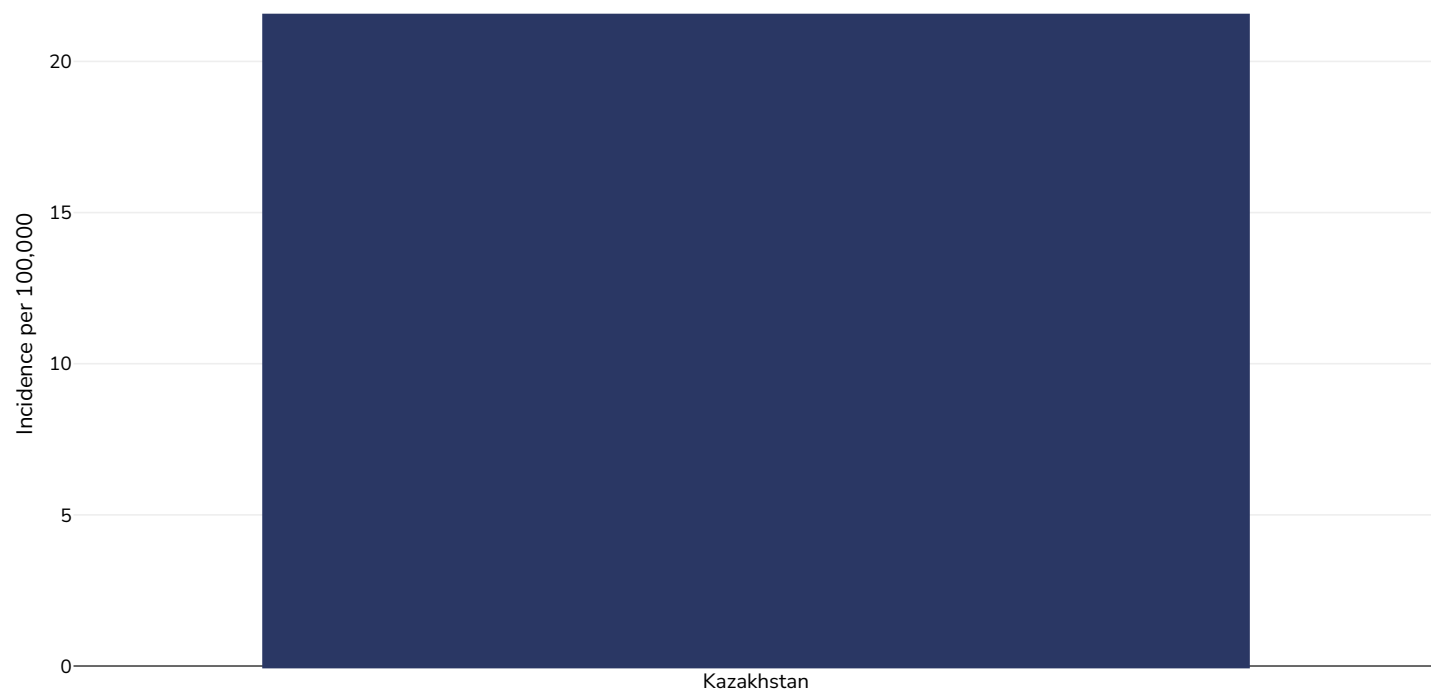
## Colorectal cancer

### 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: <a href="https://gco.iarc.who.int/today">https://gco.iarc.who.int/today</a> , accessed [16.07.24]
Definitions:	Incidence per 100,000

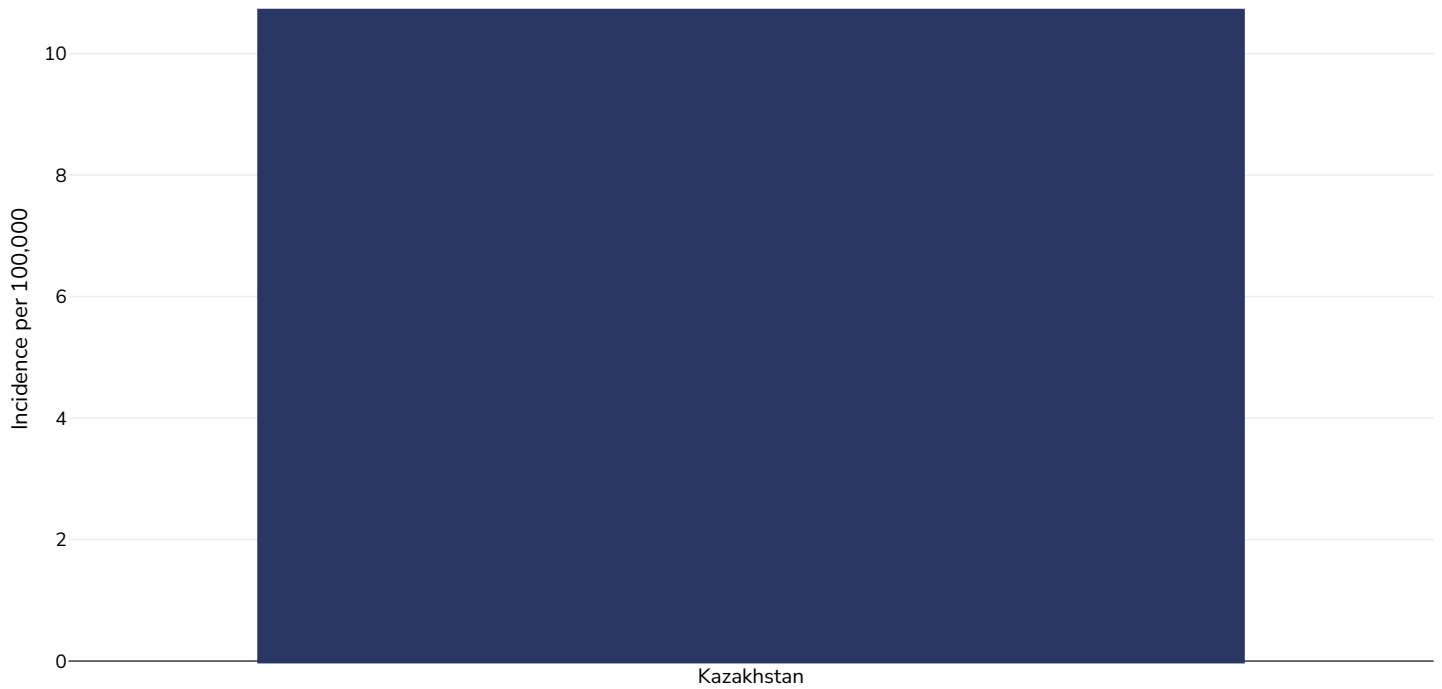
## Women, 2022



<b>Age:</b>	20+
<b>Area covered:</b>	National
<b>References:</b>	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: <a href="https://gco.iarc.who.int/today">https://gco.iarc.who.int/today</a> , accessed [16.07.24]
<b>Definitions:</b>	Incidence per 100,000

## Pancreatic cancer

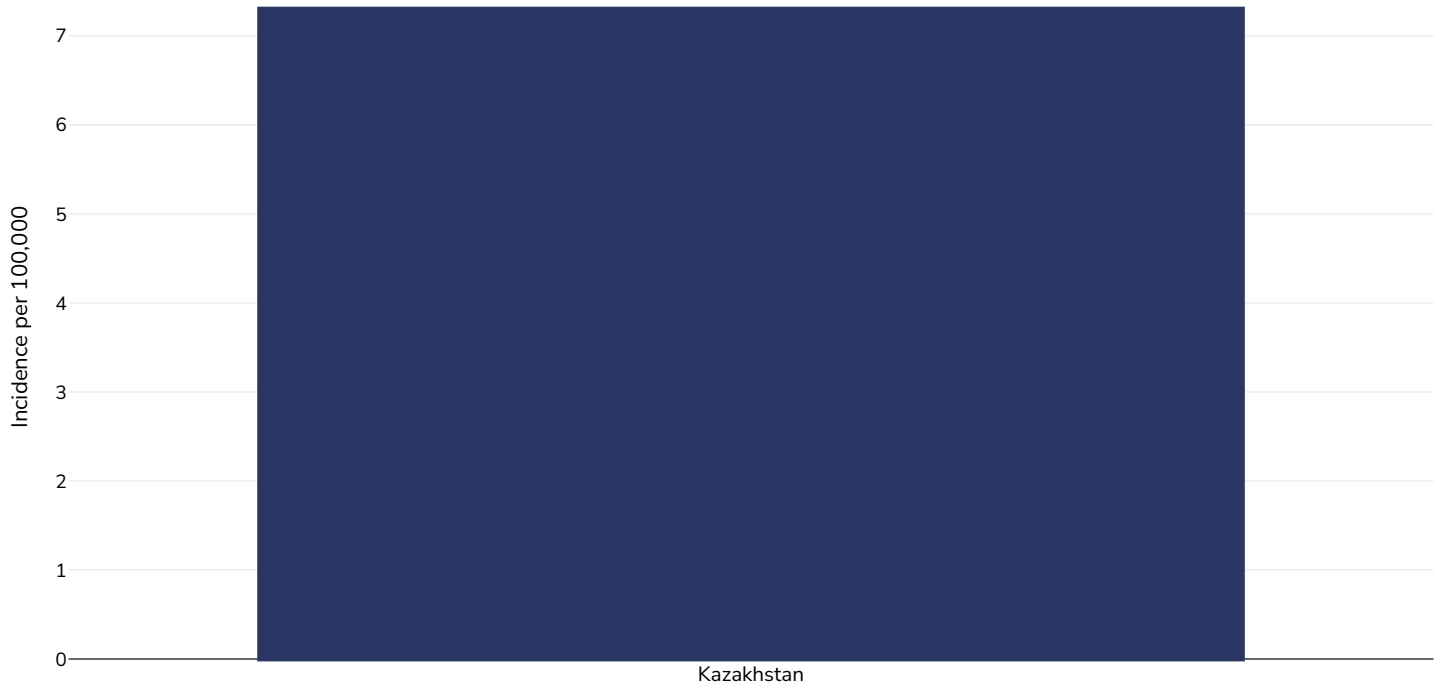
### Men, 2022



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: <a href="https://gco.iarc.who.int/today">https://gco.iarc.who.int/today</a> , accessed [16.07.24]
Definitions:	Incidence per 100,000



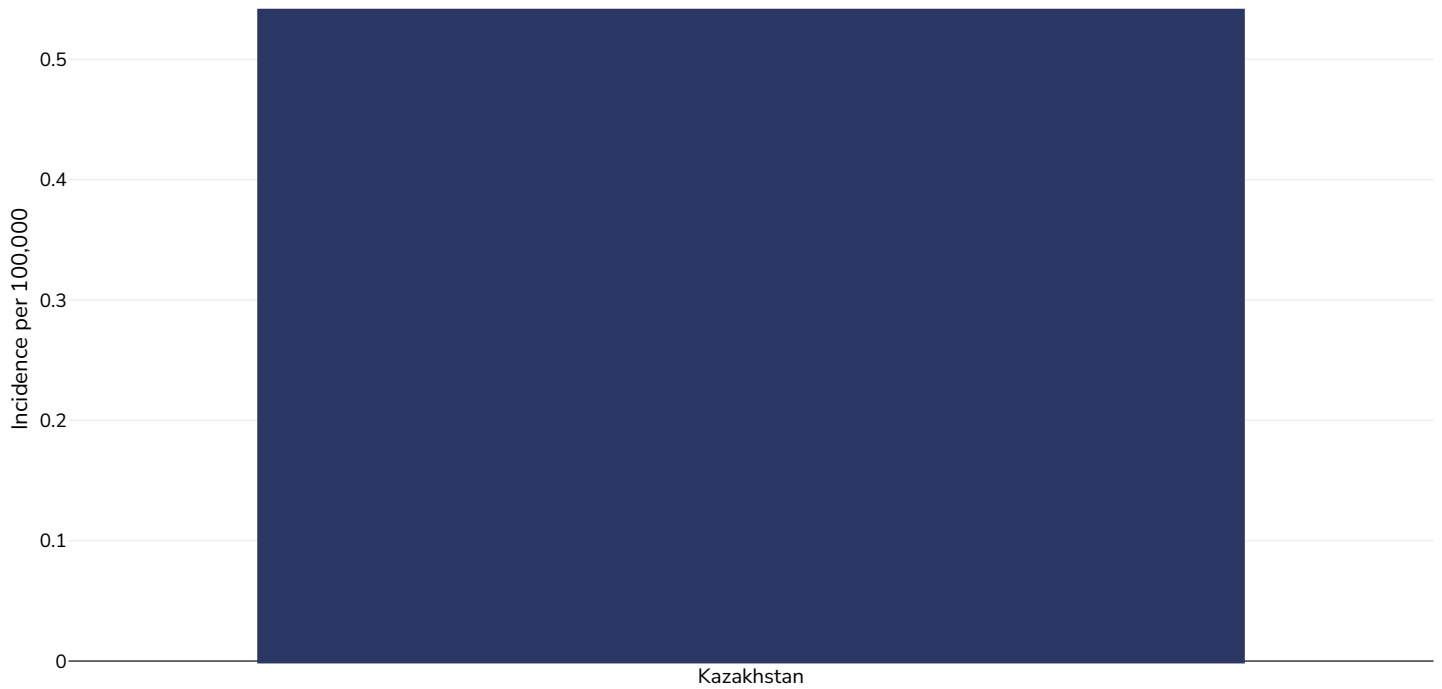
## Women, 2022



<b>Age:</b>	20+
<b>Area covered:</b>	National
<b>References:</b>	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: <a href="https://gco.iarc.who.int/today">https://gco.iarc.who.int/today</a> , accessed [16.07.24]
<b>Definitions:</b>	Incidence per 100,000

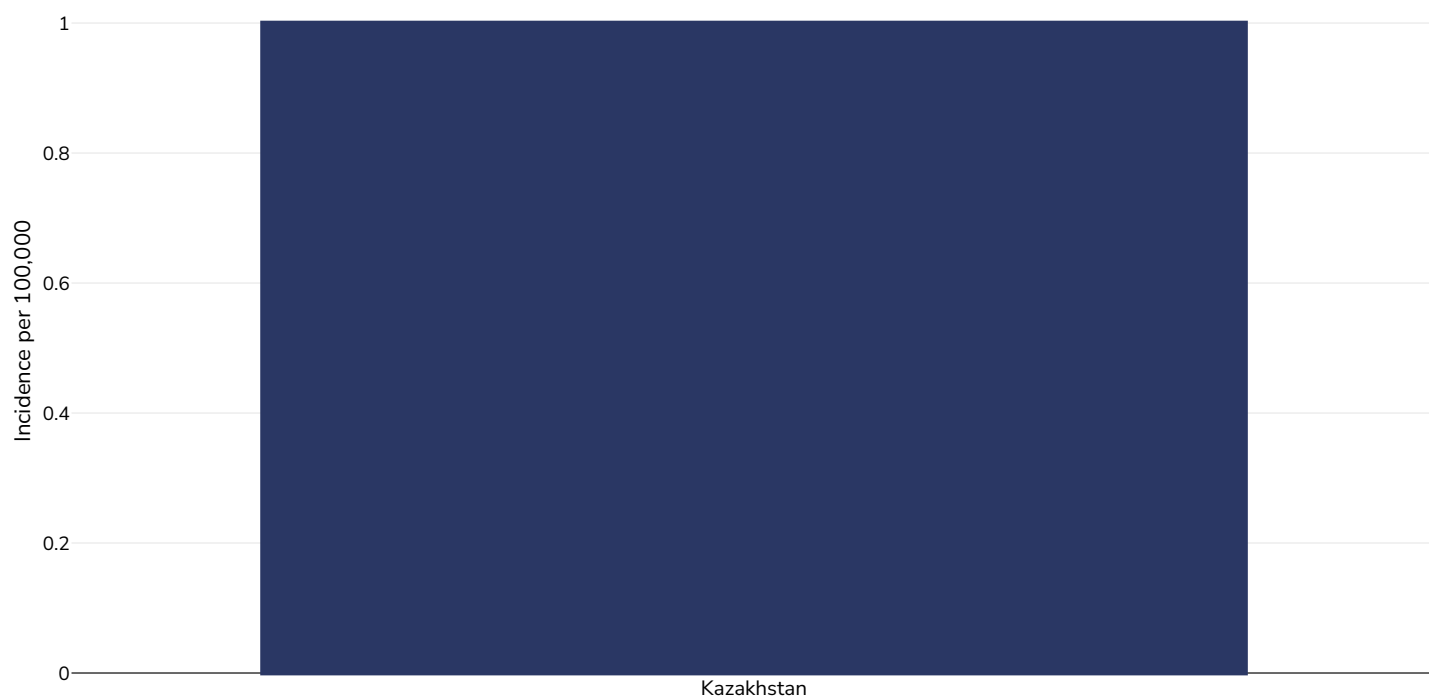
## Gallbladder cancer

### 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: <a href="https://gco.iarc.who.int/today">https://gco.iarc.who.int/today</a> , accessed [16.07.24]
Definitions:	Indicence per 100,000

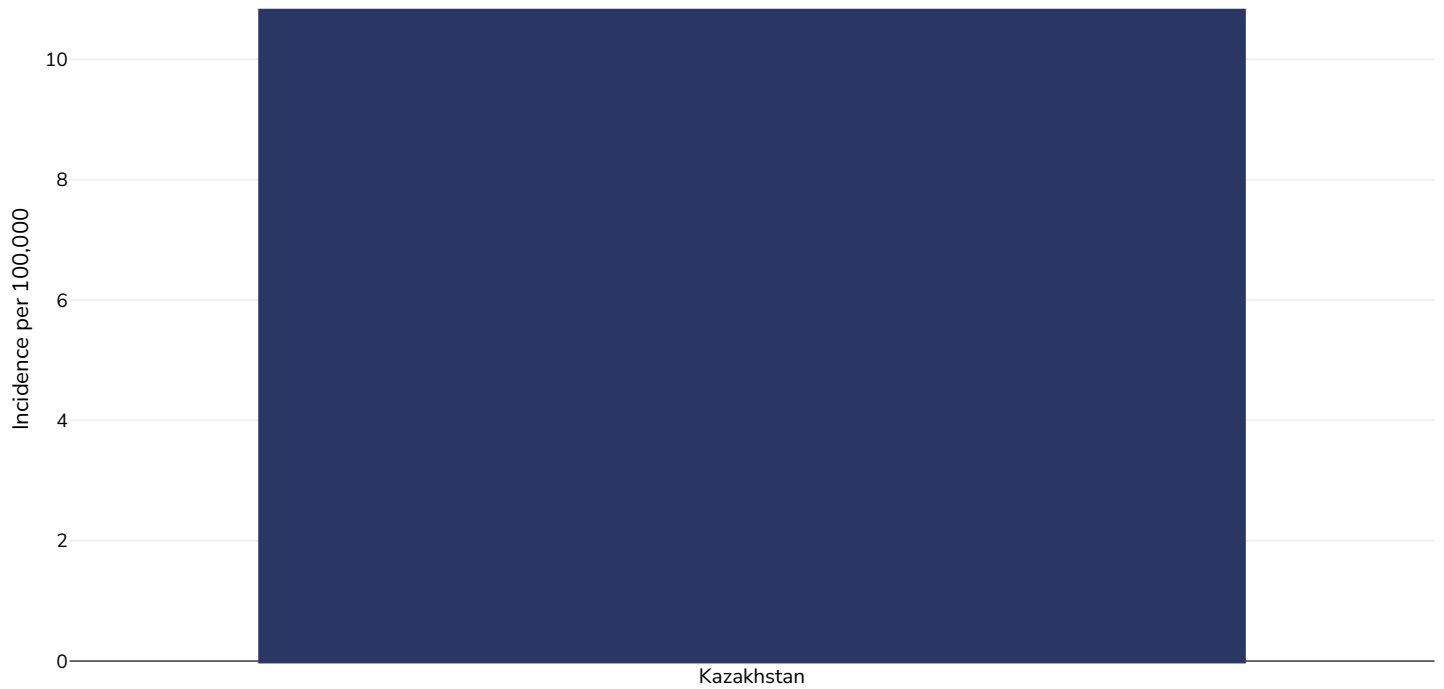
## Women, 2022



<b>Age:</b>	20+
<b>Area covered:</b>	National
<b>References:</b>	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: <a href="https://gco.iarc.who.int/today">https://gco.iarc.who.int/today</a> , accessed [16.07.24]
<b>Definitions:</b>	Indicence per 100,000

## Kidney cancer

### Men, 2022



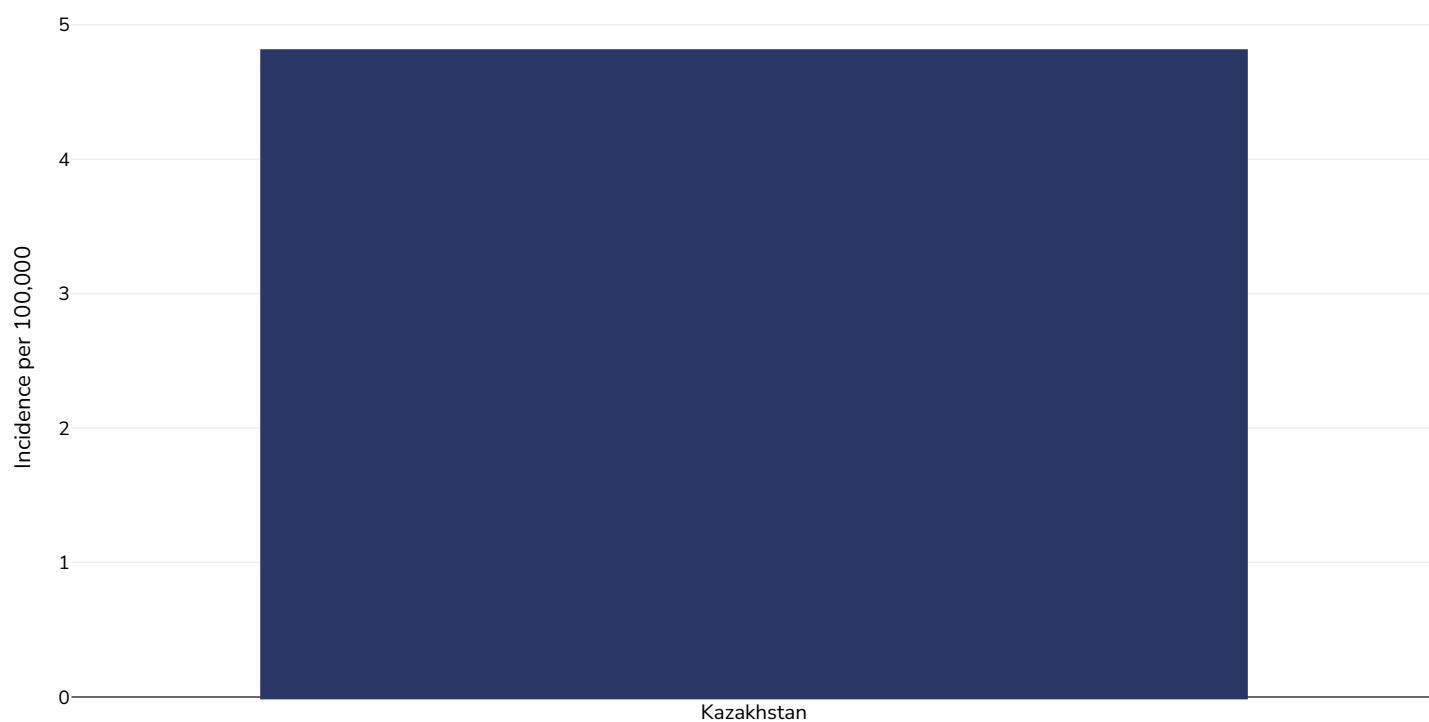
Age: 20+

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

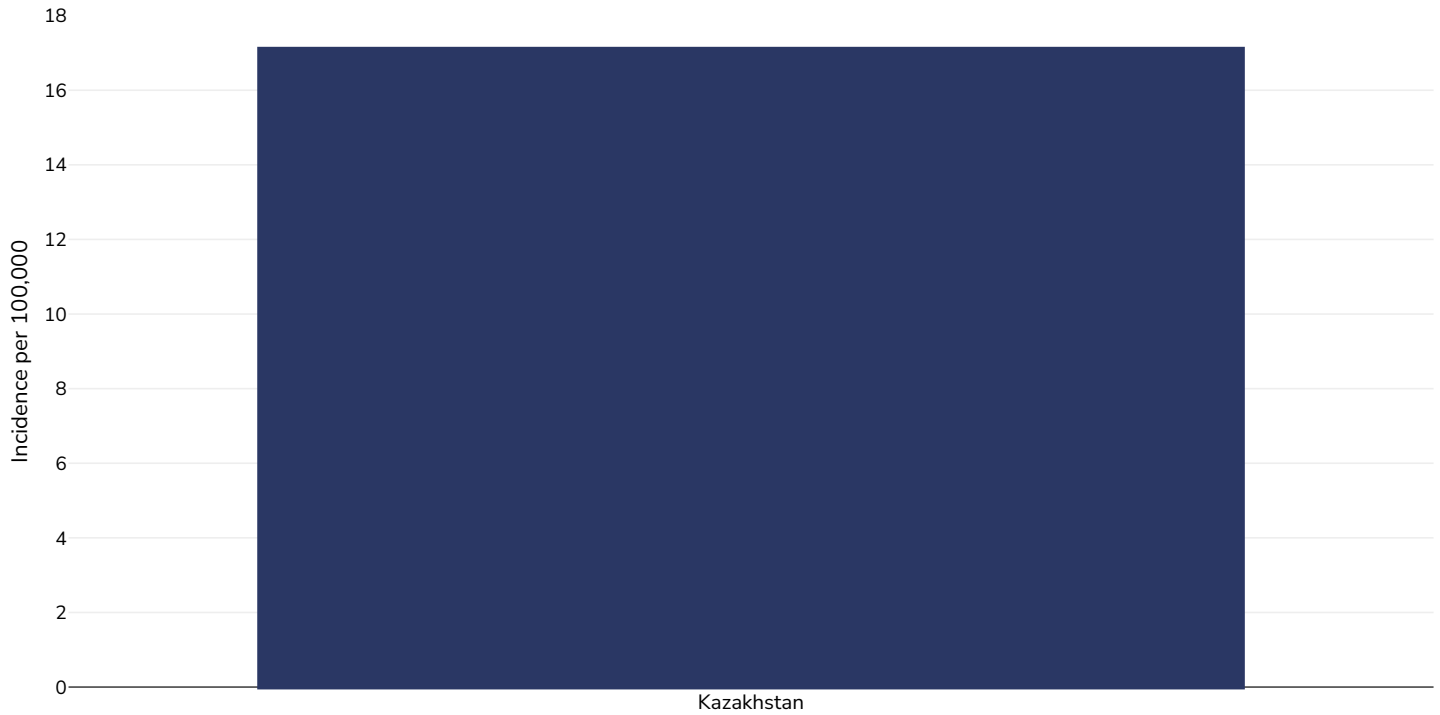
## Women, 2022



<b>Age:</b>	20+
<b>Area covered:</b>	National
<b>References:</b>	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: <a href="https://gco.iarc.who.int/today">https://gco.iarc.who.int/today</a> , accessed [16.07.24]
<b>Definitions:</b>	Incidence per 100,000

## Cancer of the uterus

### Women, 2022



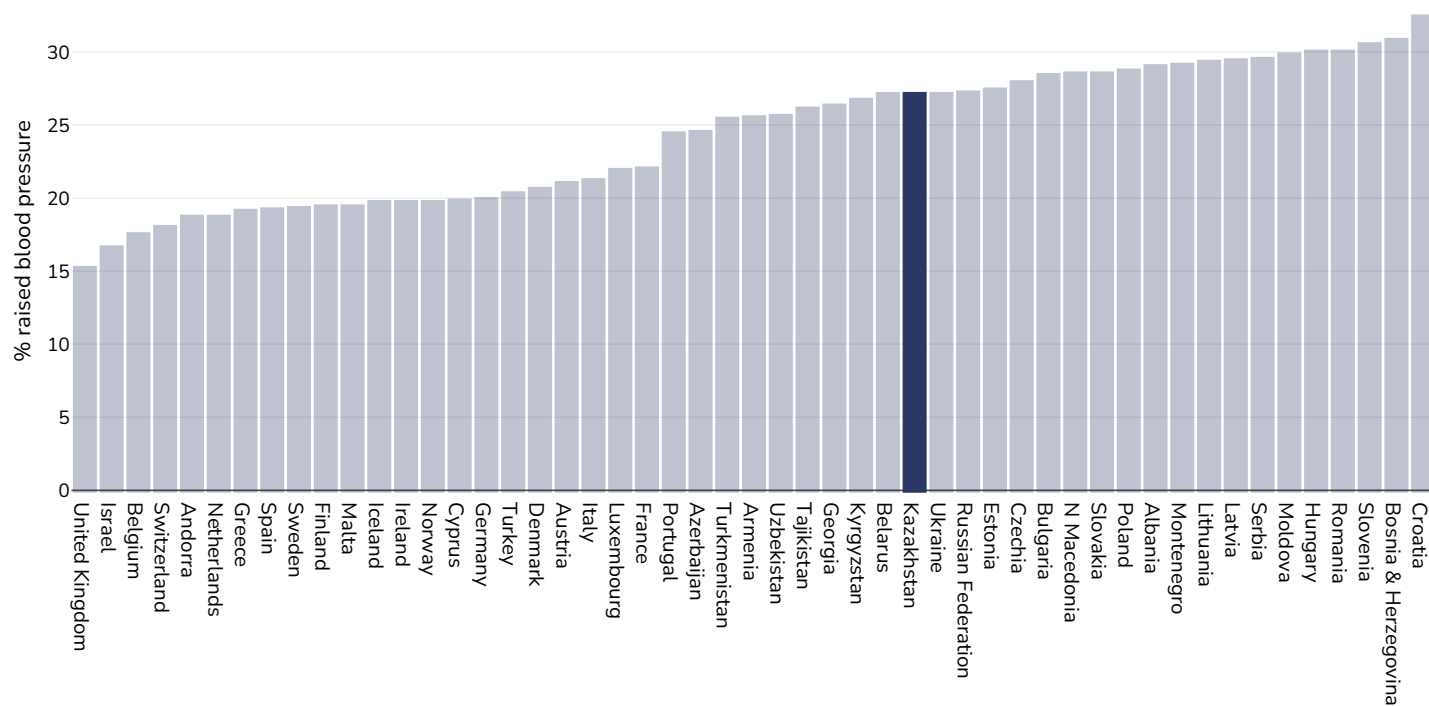
Age: 20+

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

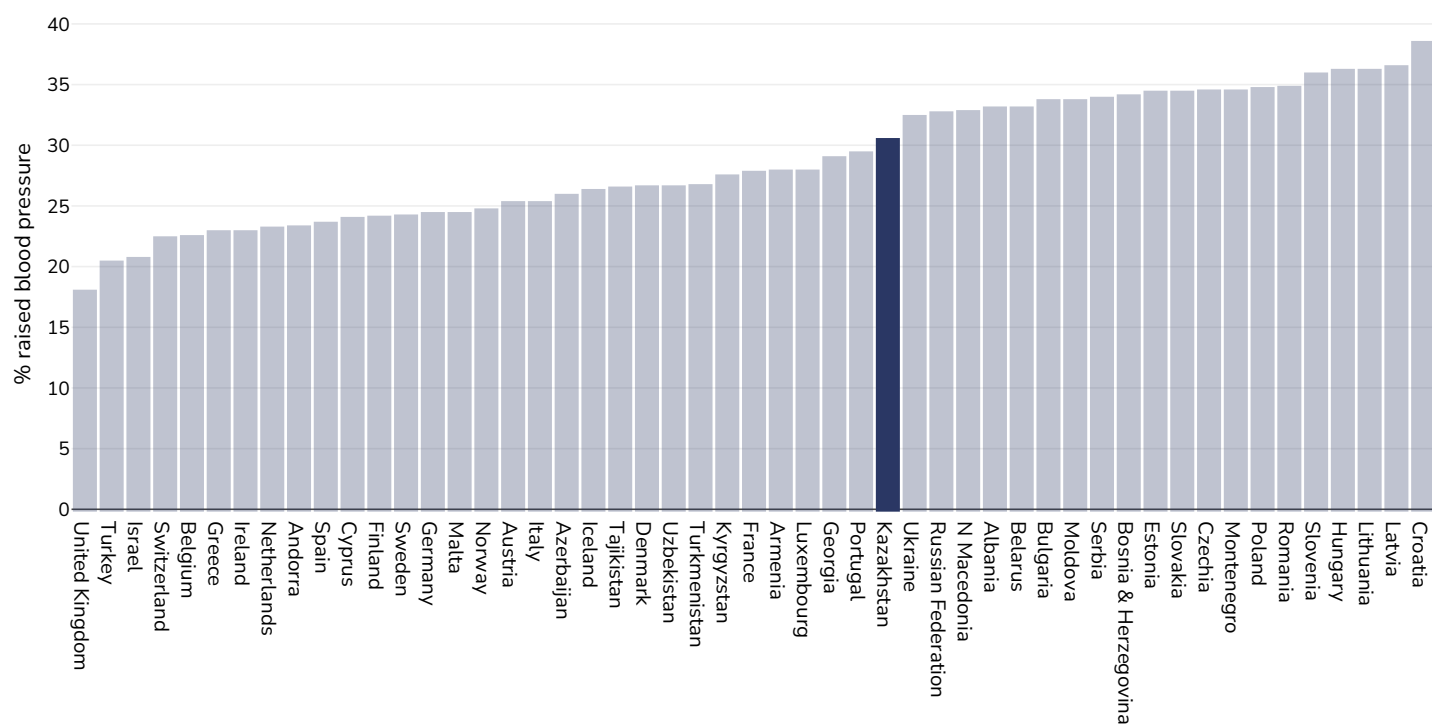
### Adults, 2015



**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>=140 OR DBP>=90).

## Men, 2015

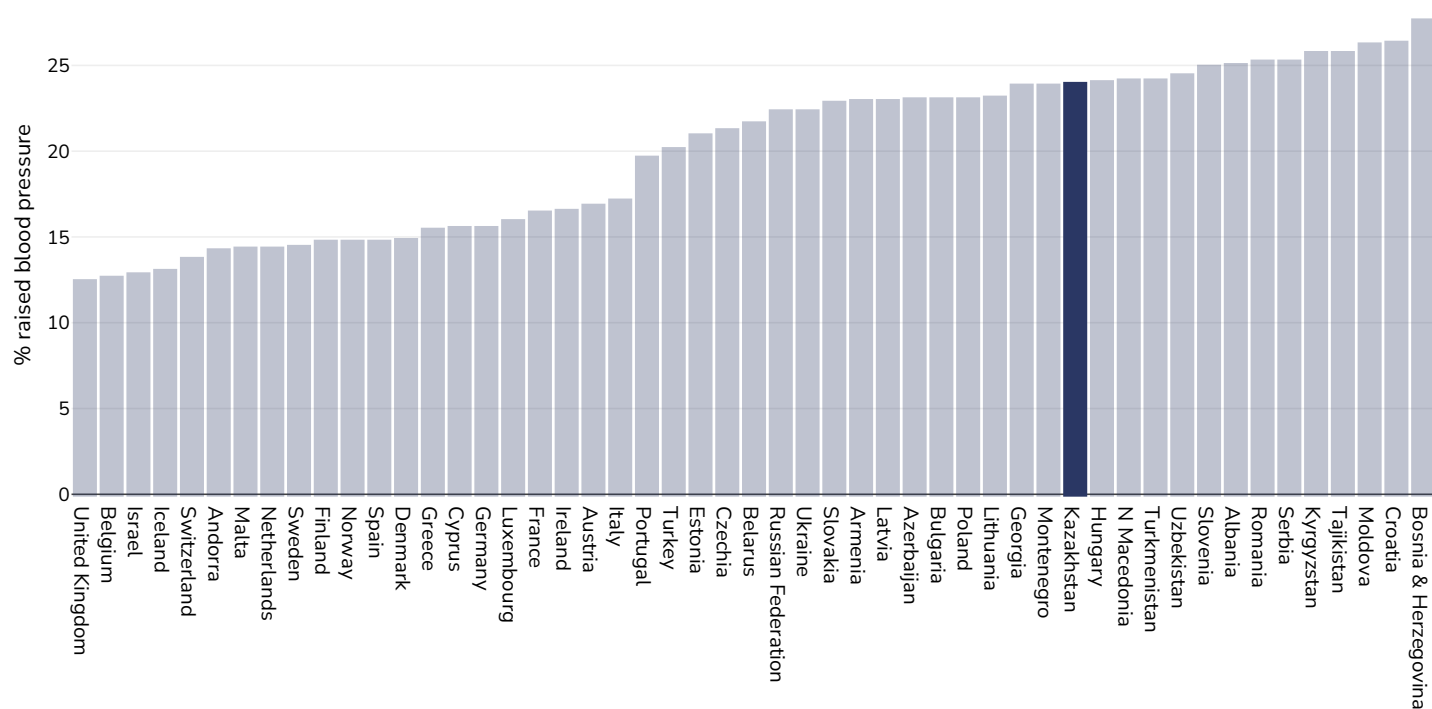


**References:** Global Health Observatory data repository, World Health Organisation, <http://apps.who.int/gho/data/node.main.A875?lang=en>

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



## Women, 2015

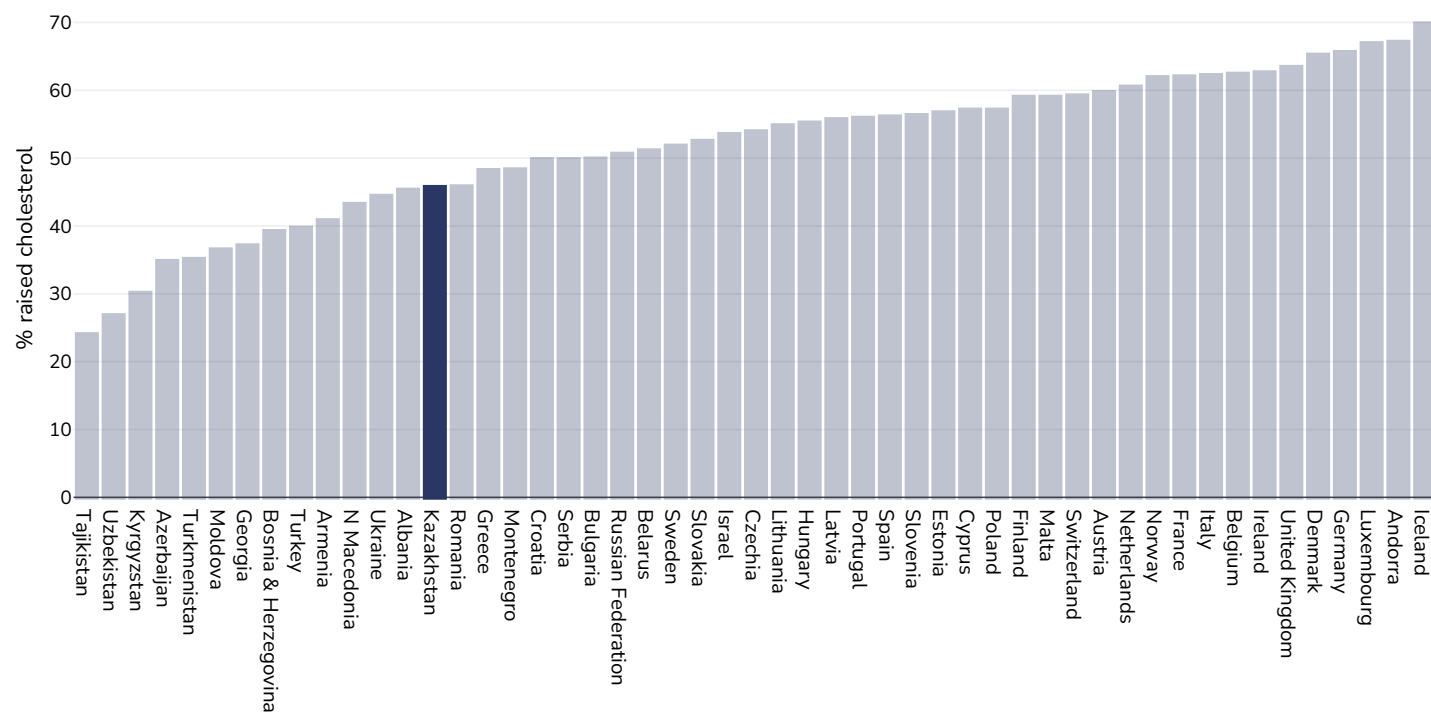


**References:** Global Health Observatory data repository, World Health Organisation, <http://apps.who.int/gho/data/node.main.A875?lang=en>

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

## Raised cholesterol

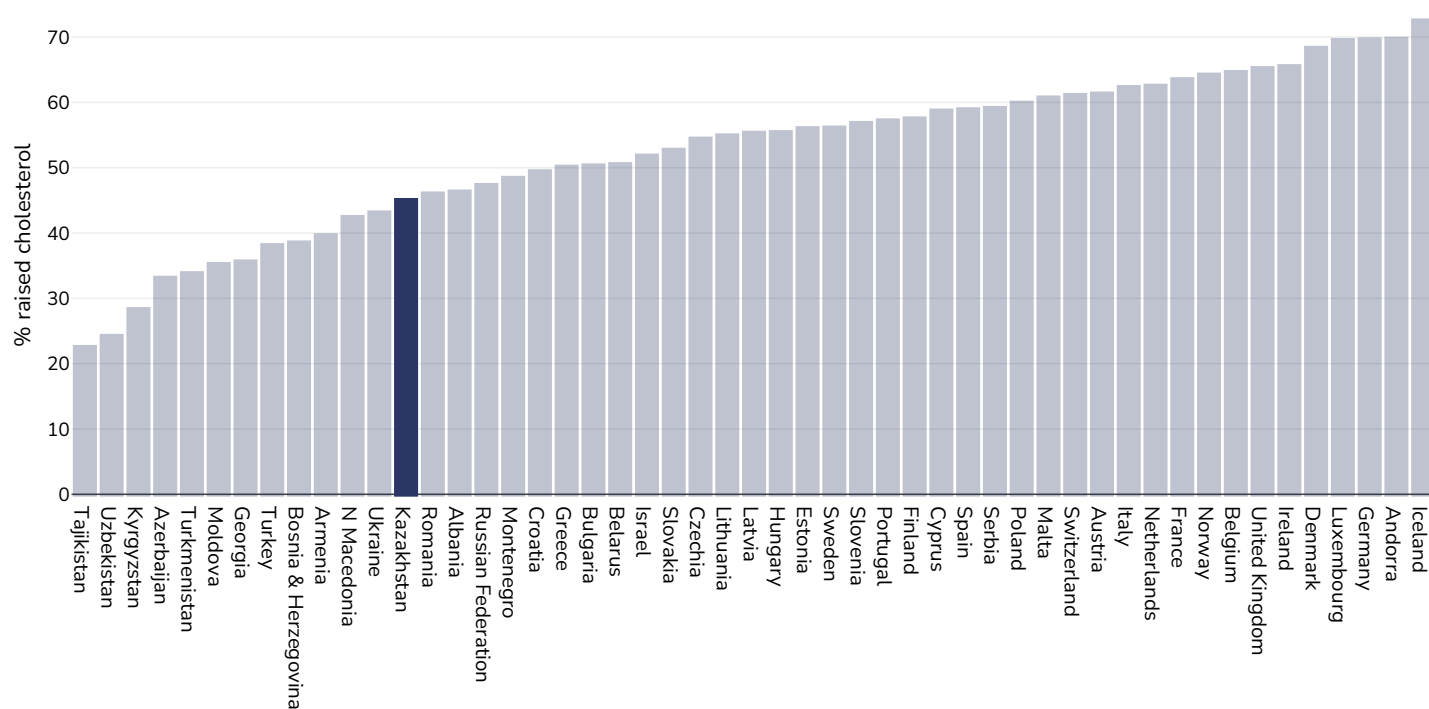
### Adults, 2008



**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).

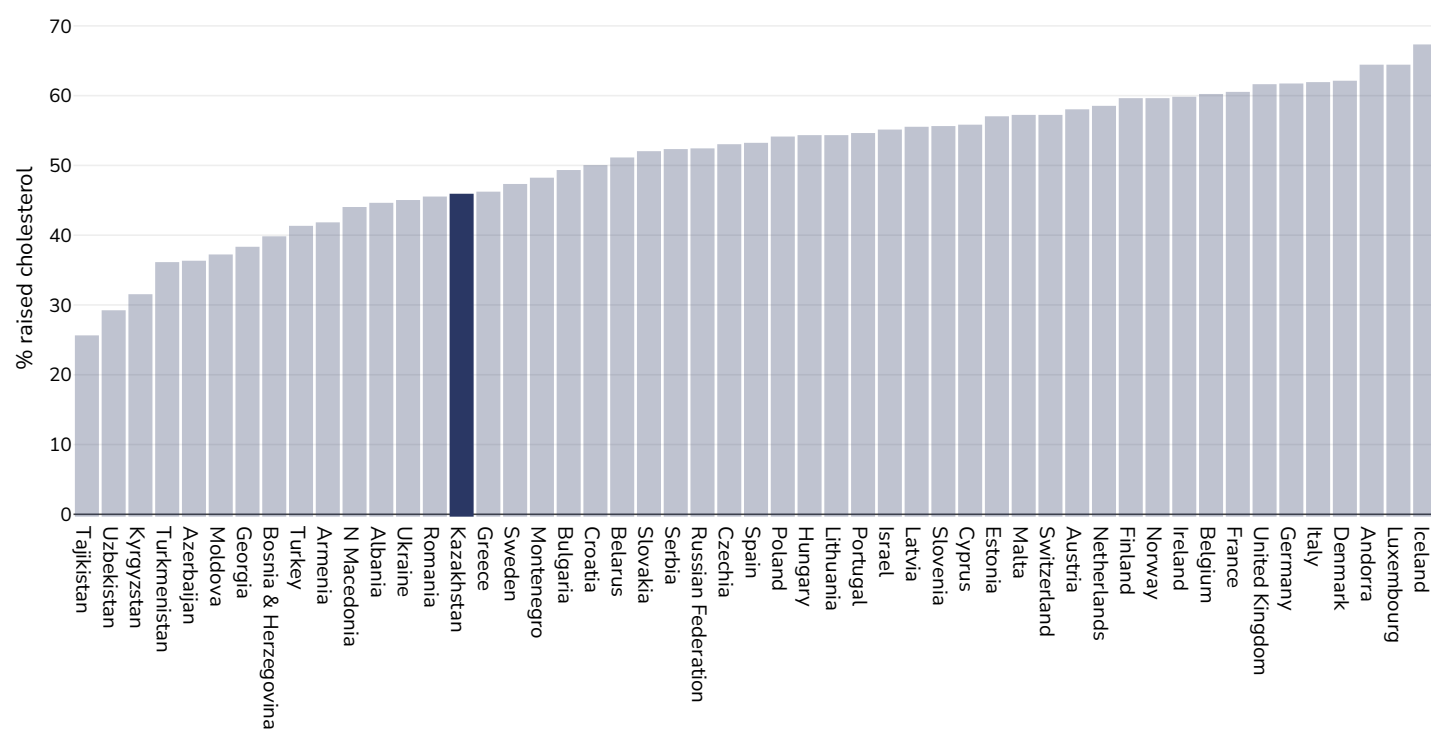
## Men, 2008



**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

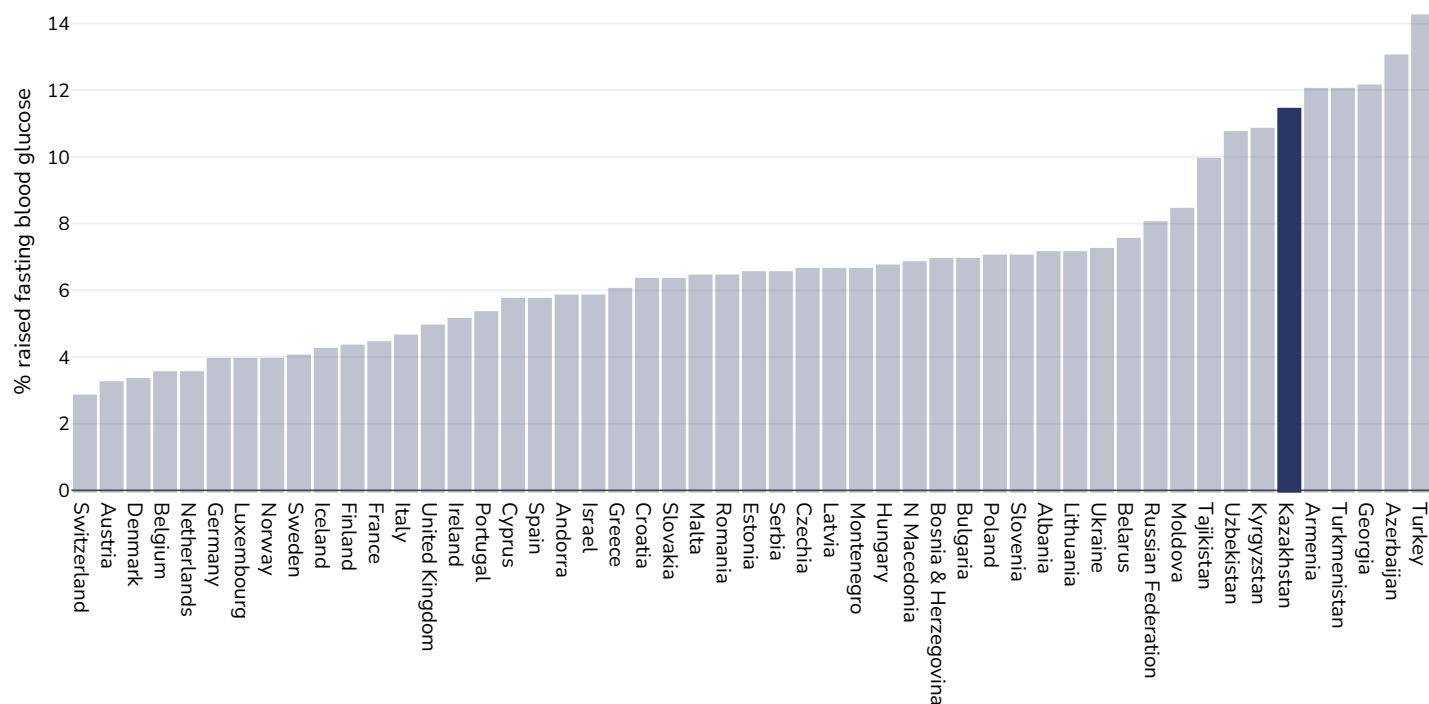


**References:** Global Health Observatory data repository, World Health Organisation, <http://apps.who.int/gho/data/node.main.A885>

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

## Raised fasting blood glucose

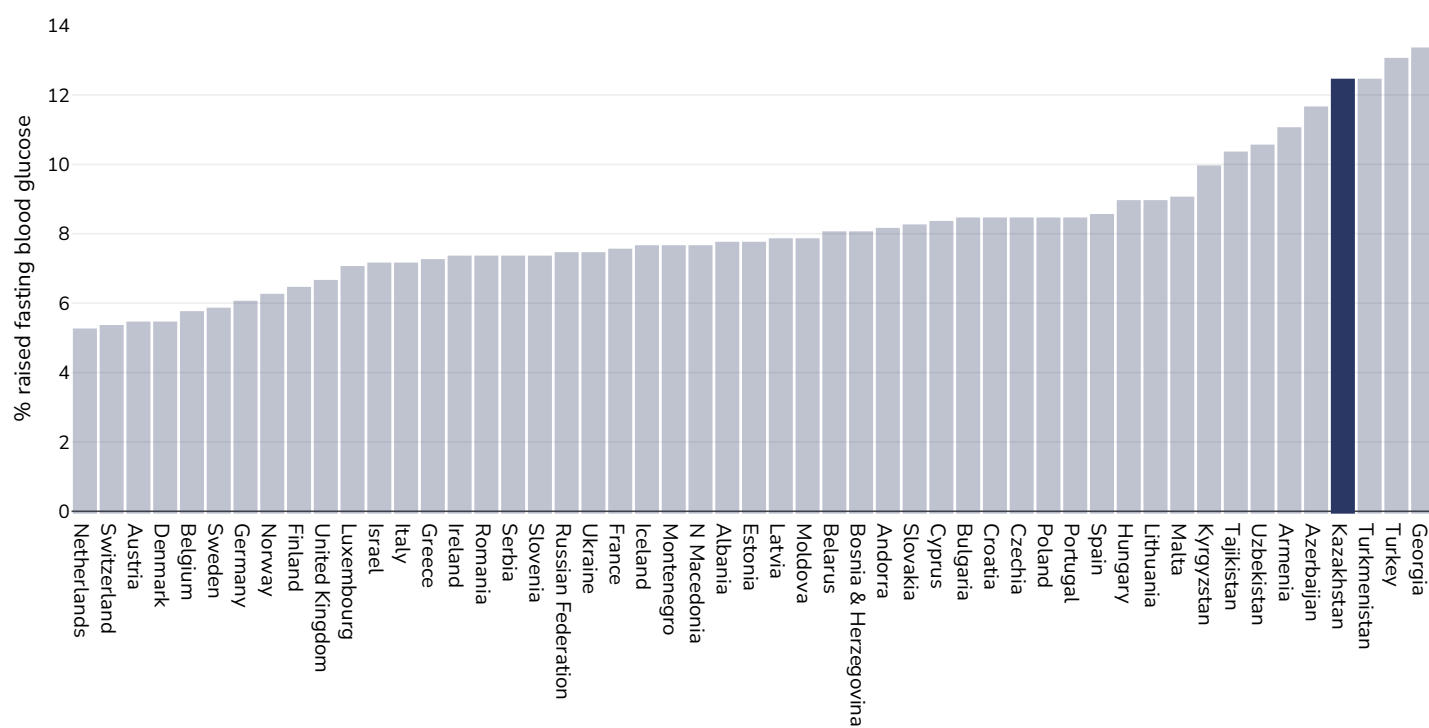
### Men, 2014



**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

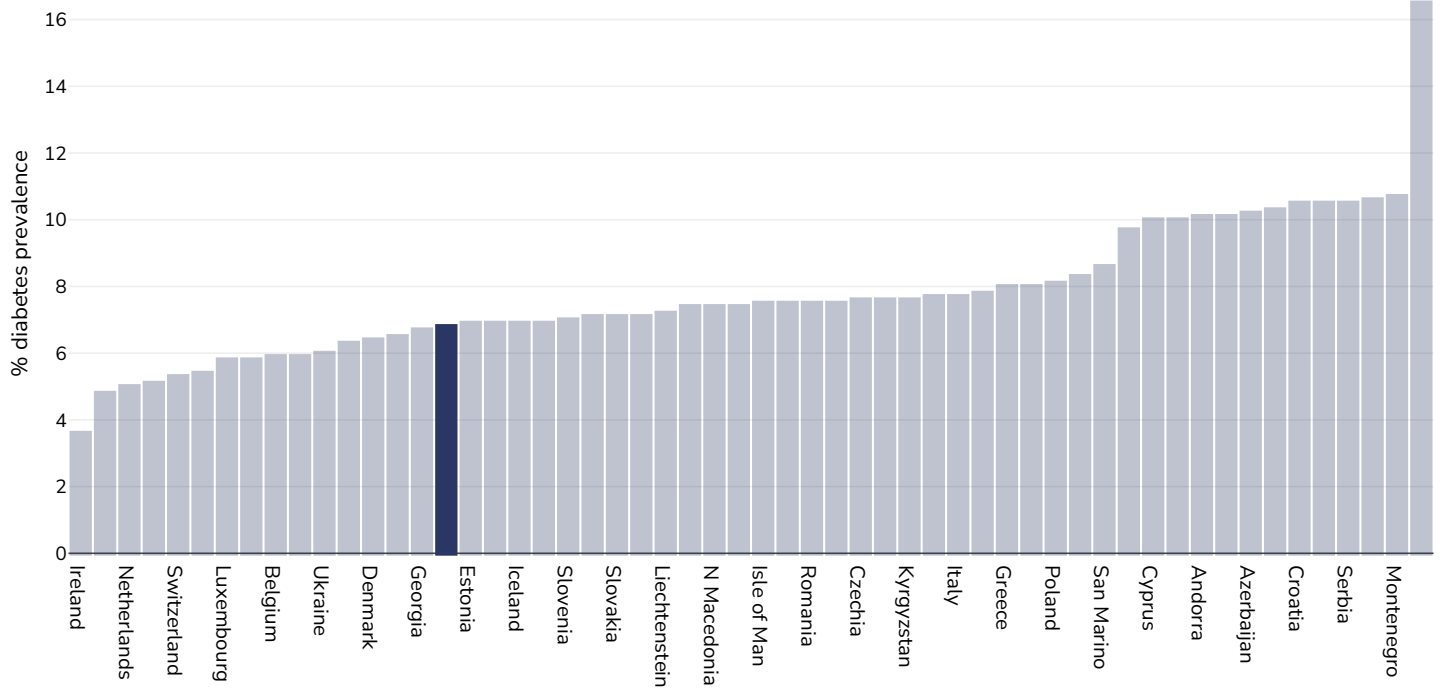


**References:** Global Health Observatory data repository, World Health Organisation, <http://apps.who.int/gho/data/node.main.A869?lang=en>

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

## Diabetes prevalence

### Adults, 2024

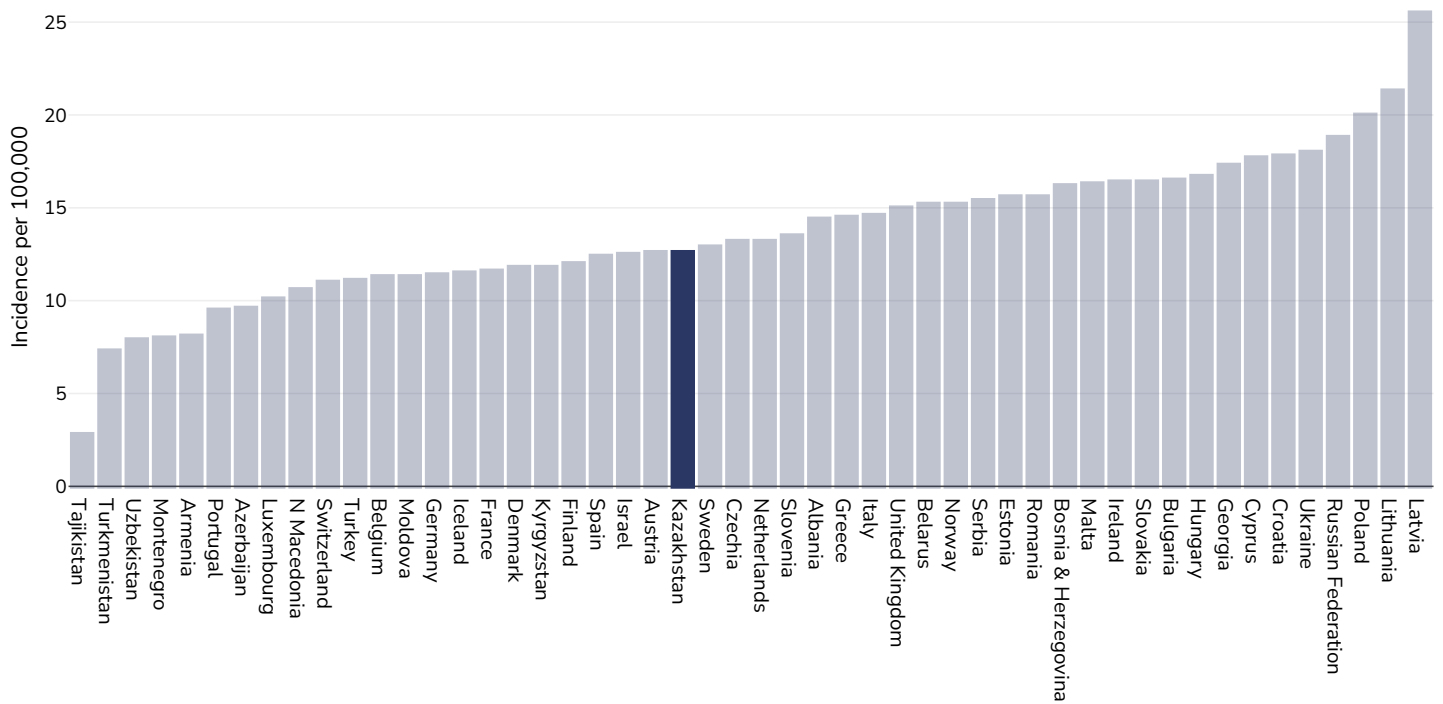


**References:**

Reproduced with kind permission International Diabetes Federation. IDF Diabetes Atlas, 11th edn. Brussels, Belgium:International Diabetes Federation, 2025. <http://www.diabetesatlas.org>

## 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

4

3

2

1

0

-1  
-1

0

1

2

3

4

5

6

Age: 20+

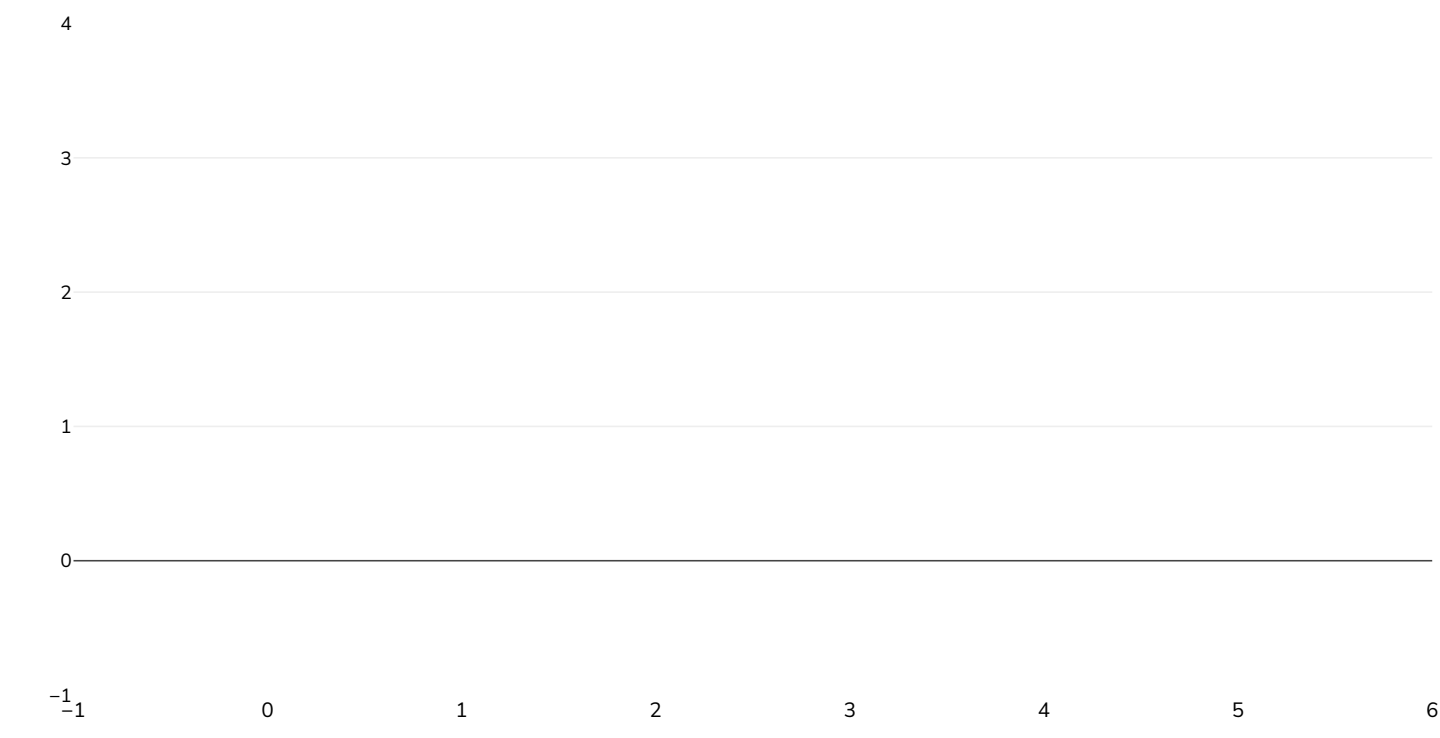
Area covered: National

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>.*

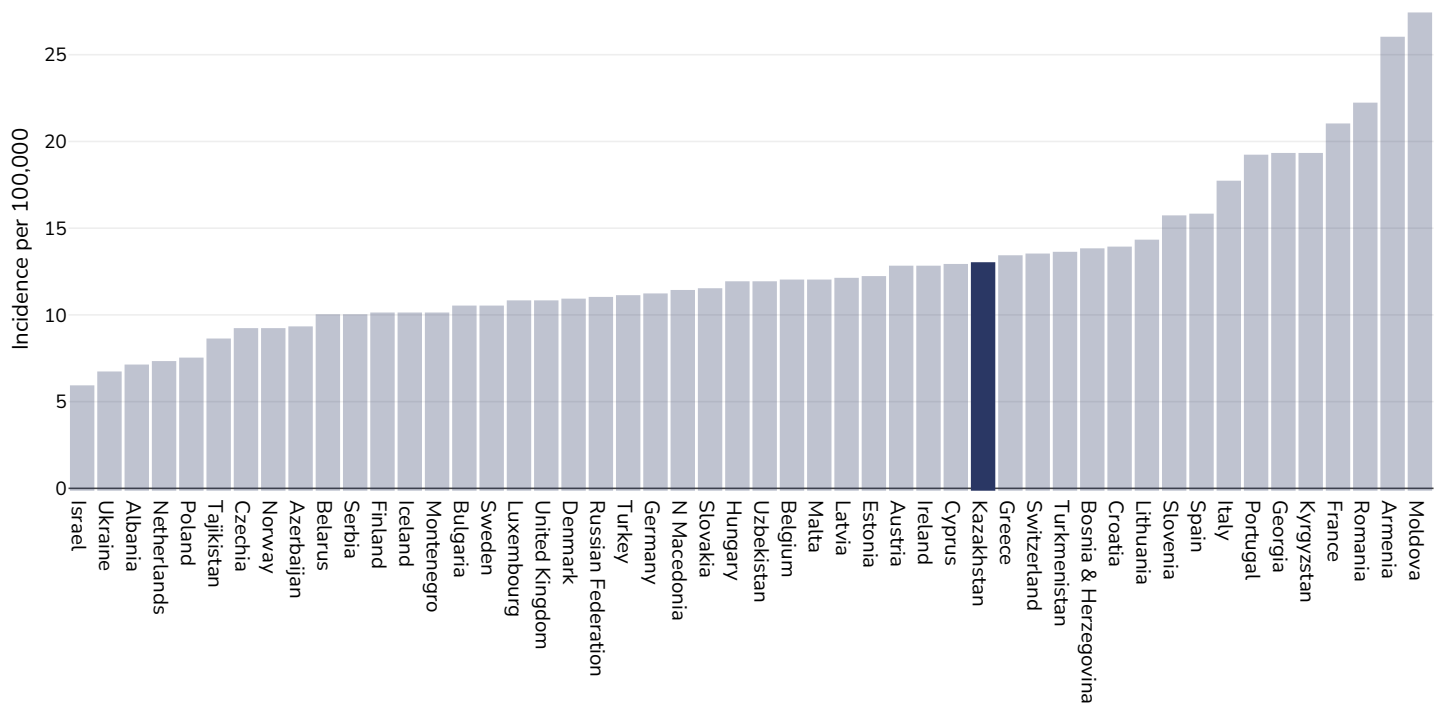
## Women, 2022



<b>Age:</b>	20+
<b>Area covered:</b>	National
<b>References:</b>	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: <a href="https://gco.iarc.who.int/today">https://gco.iarc.who.int/today</a> , accessed [16.07.24]
<b>Definitions:</b>	Incidence per 100,000
<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>	

## Liver and intrahepatic bile duct Cancer

### Men, 2022



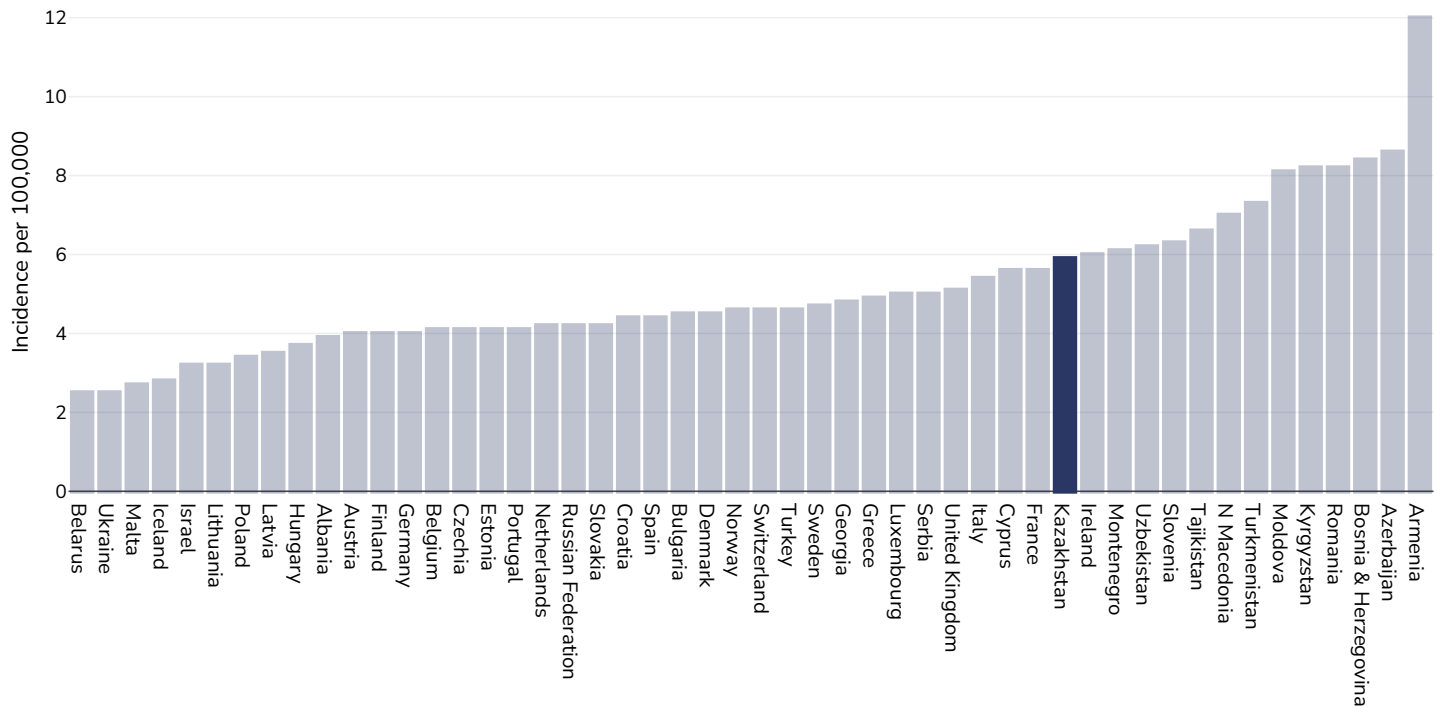
Age: 20+

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

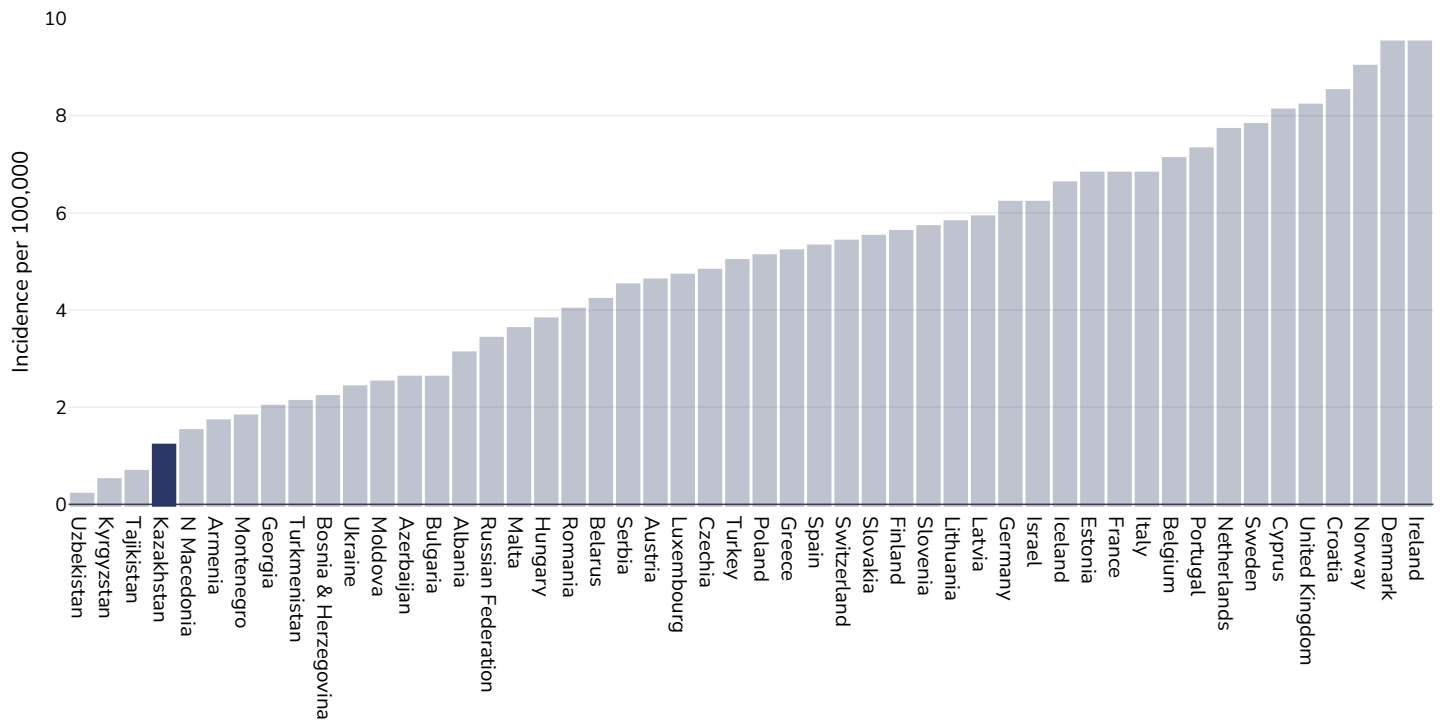
## Women, 2022



<b>Age:</b>	20+
<b>Area covered:</b>	National
<b>References:</b>	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: <a href="https://gco.iarc.who.int/today">https://gco.iarc.who.int/today</a> , accessed [16.07.24]
<b>Definitions:</b>	Incidence per 100,000

## Multiple Myeloma

### Men, 2022



Age: 20+

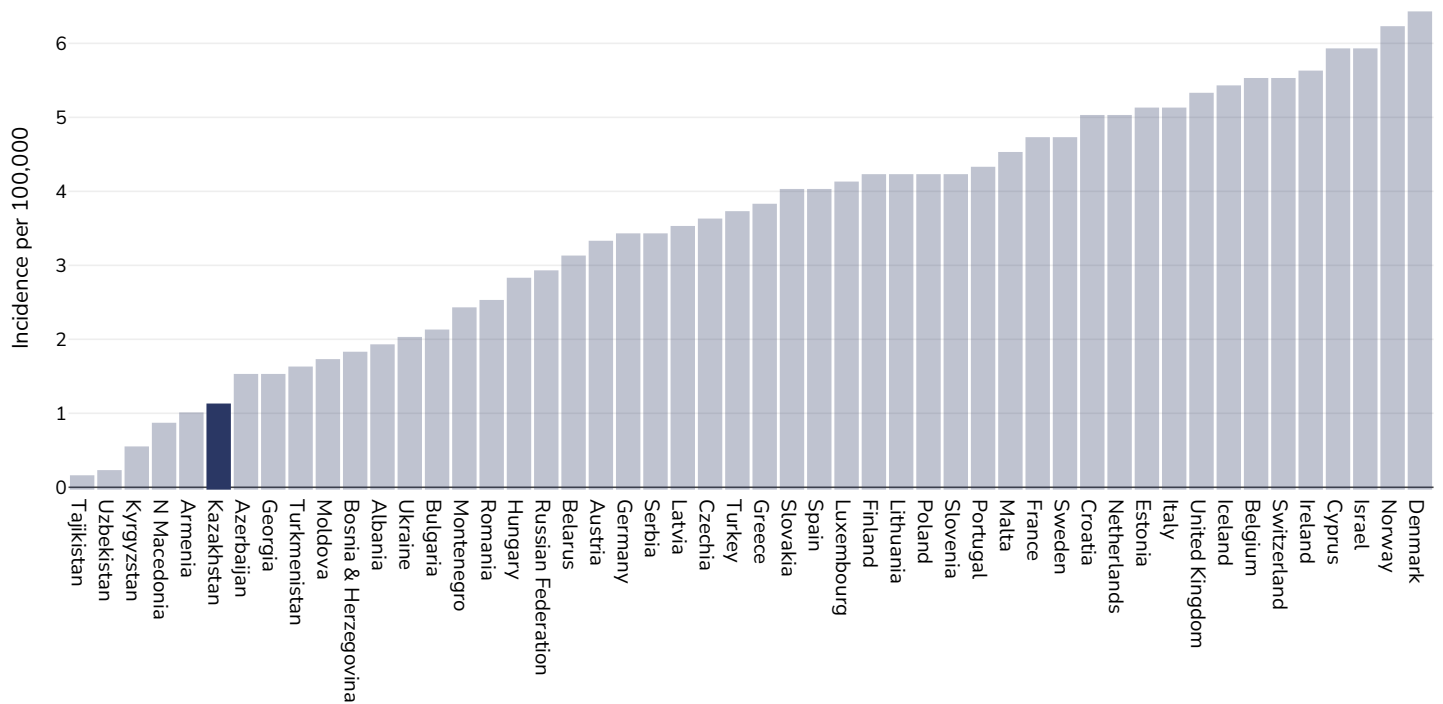
Area covered: National

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

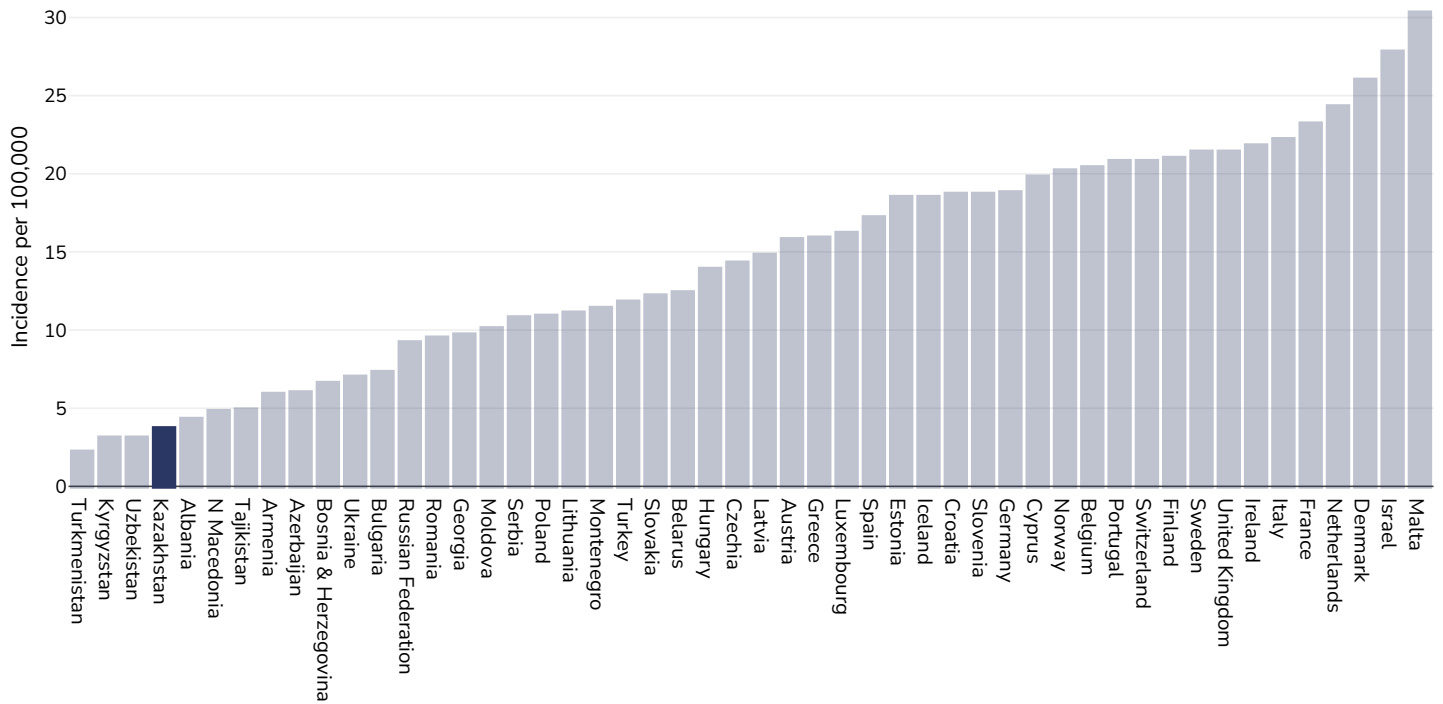
**References:** Ferlay J, Ervik M, Lam F, Laversanne M, Colombet M, Mery L, Piñeros M, Znaor A, Soerjomataram I, Bray F (2024). Global Cancer Observatory: Cancer Today. Lyon, France: International Agency for Research on Cancer. Available from: <https://gco.iarc.who.int/today>, accessed [16.07.24]

**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+

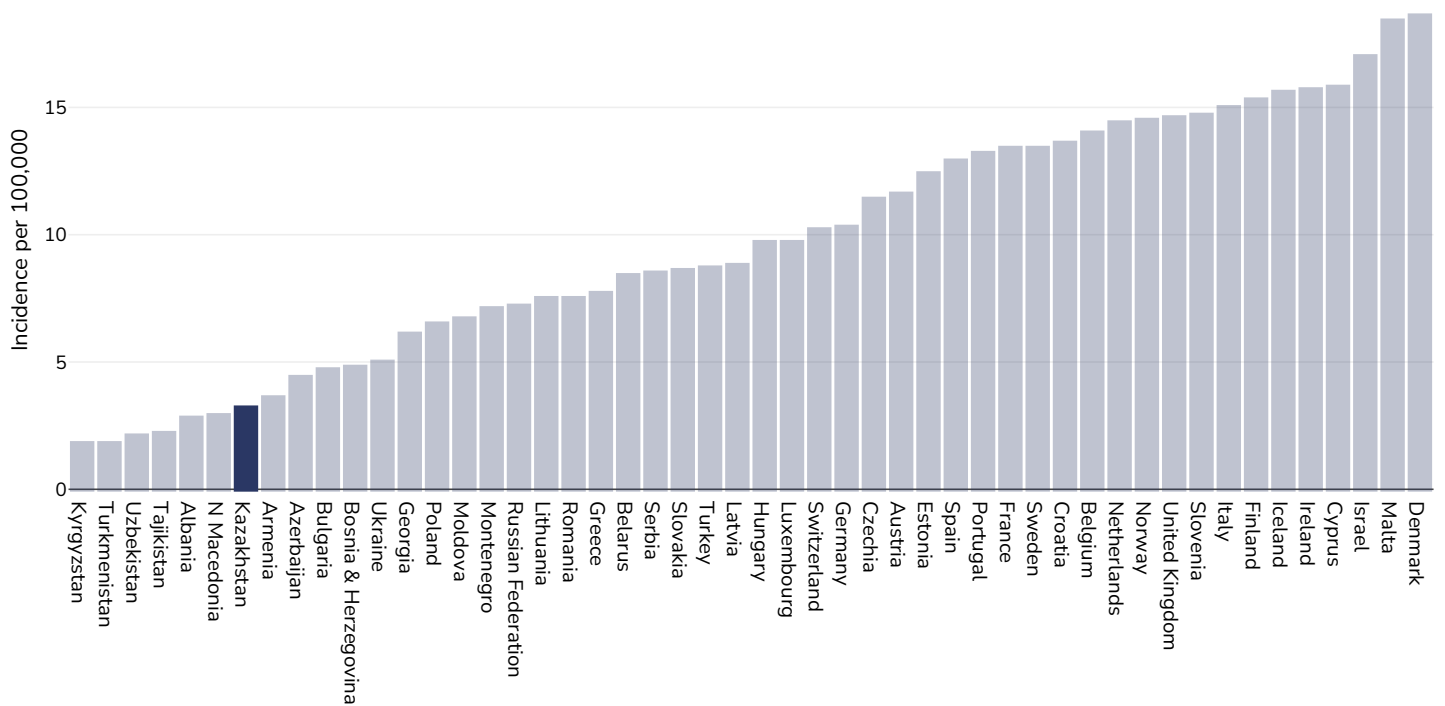
Area covered: National

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/m<sup>2</sup>, obesity refers to a BMI greater than 30kg/m<sup>2</sup>.

**Women, 2022**



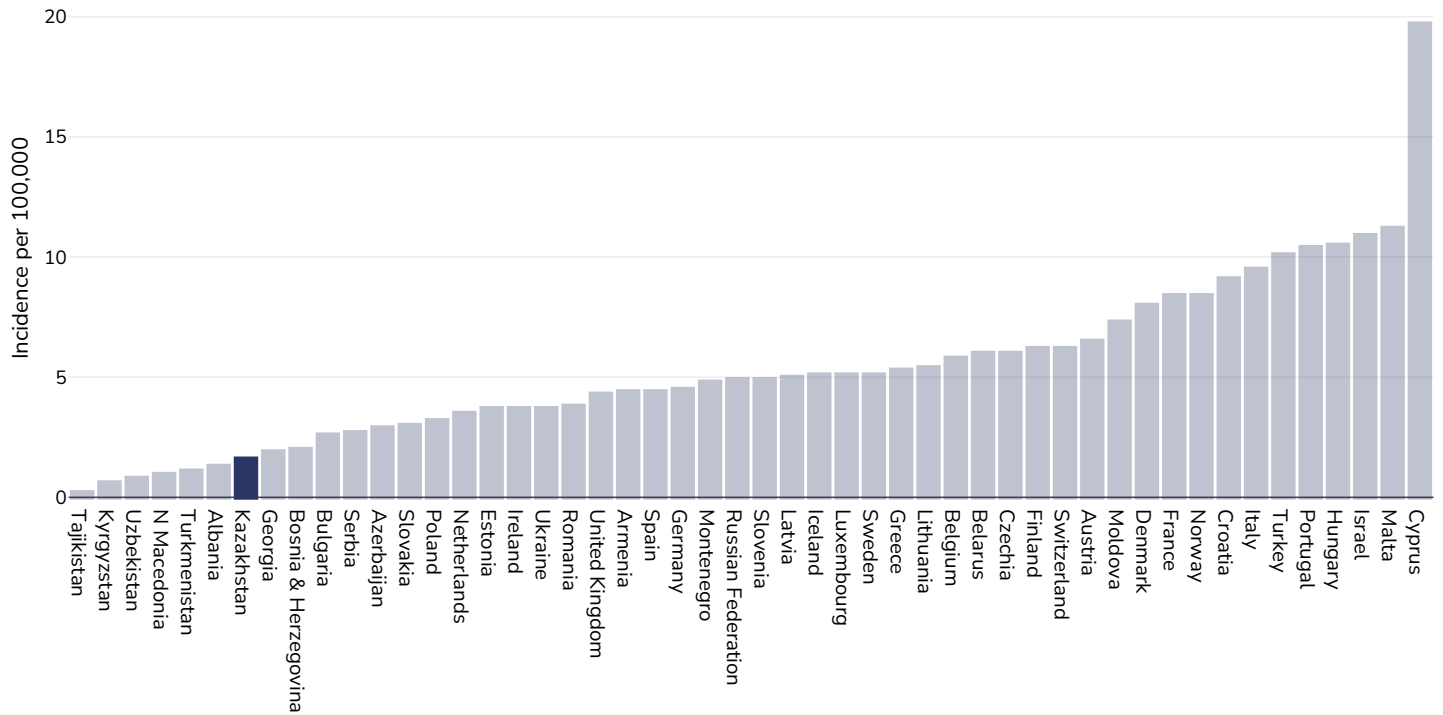
<b>Age:</b>	20+
<b>Area covered:</b>	National
<b>References:</b>	Ferlay J, Ervik M, Lam F, Laversanne M, Colombet M, Mery L, Piñeros M, Znaor A, Soerjomataram I, Bray F (2024). Global Cancer Observatory: Cancer Today. Lyon, France: International Agency for Research on Cancer. Available from: <a href="https://gco.iarc.who.int/today">https://gco.iarc.who.int/today</a> , accessed [16.07.24]
<b>Definitions:</b>	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



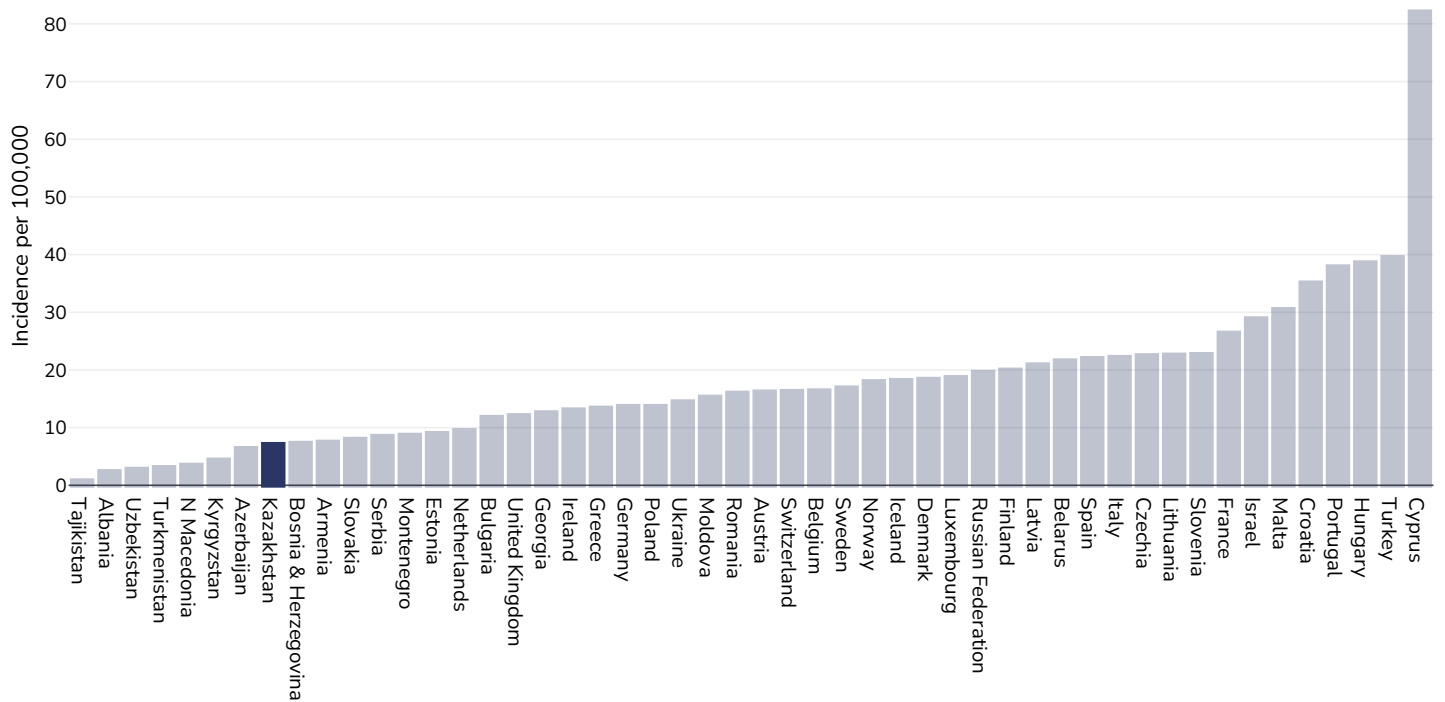
Age: 20+

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**



<b>Age:</b>	20+
<b>Area covered:</b>	National
<b>References:</b>	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: <a href="https://gco.iarc.who.int/today">https://gco.iarc.who.int/today</a> , accessed [16.07.24]
<b>Definitions:</b>	Incidence per 100,000

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