

Report card Pakistan

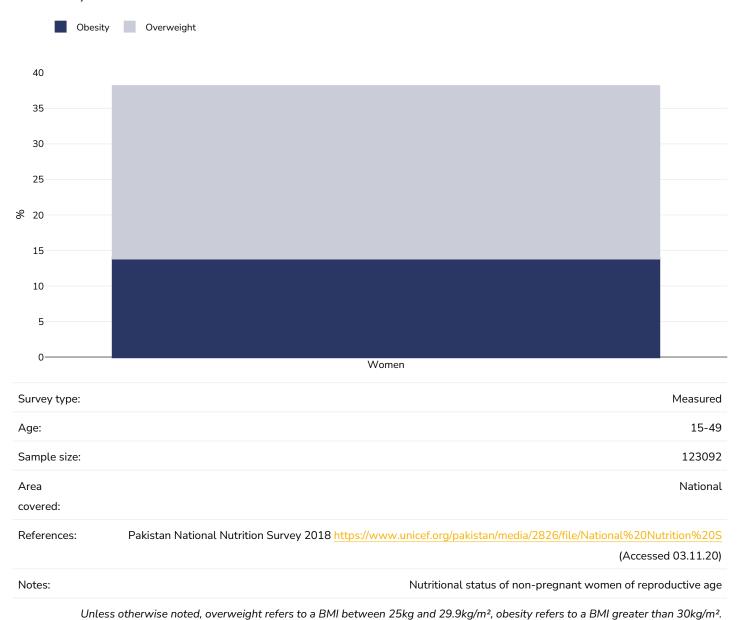


Contents	Page
Obesity prevalence	2
Trend: % Adults living with obesity, 2012-2018	4
Trend: % Adults living with obesity, 2012-2018	5
Overweight/obesity by education	6
Overweight/obesity by age	8
Overweight/obesity by region	10
Overweight/obesity by socio-economic group	12
Insufficient physical activity	15
Average daily frequency of carbonated soft drink consumption	21
Estimated per capita fruit intake	22
Prevalence of less than daily fruit consumption	23
Prevalence of less than daily vegetable consumption	24
Average weekly frequency of fast food consumption	25
Estimated per-capita processed meat intake	26
Estimated per capita whole grains intake	27
Mental health - depression disorders	28
Mental health - anxiety disorders	29
% Infants exclusively breastfed 0-5 months	30
Oesophageal cancer	31
Breast cancer	33
Colorectal cancer	34
Pancreatic cancer	36
Gallbladder cancer	38
Kidney cancer	40
Cancer of the uterus	42
Raised blood pressure	43
Raised cholesterol	46
Raised fasting blood glucose	49
Diabetes prevalence	51
Contextual factors	52



Obesity prevalence

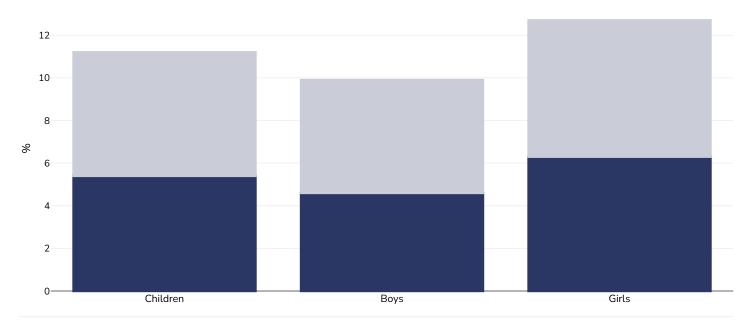
Women, 2018





Children, 2021





Survey type:	Measured
Age:	9-17
Sample size:	3551
Area covered:	National

References: The Current Prevalence of Underweight, Overweight, and Obesity Associated with Demographic Factors among Pakistan School-Aged Children and Adolescents — An Empirical Cross-Sectional Study. Available at: https://www.mdpi.com/1660-4601/19/18/11619

Cutoffs: CDC US 2000 BMI charts



% Adults living with obesity, 2012-2018





Survey Measured

type:

References: 2012: National Institute of Population Studies - NIPS/Pakistan and ICF International. 2013. Pakistan Demographic and Health Survey 2012-13. Islamabad, Pakistan: NIPS/Pakistan and ICF International.

2017: National Institute of Population Studies - NIPS/Pakistan and ICF. 2019. Pakistan Demographic and Health Survey 2017-18. Islamabad, Pakistan, and Rockville, Maryland, USA: NIPS and ICF.

https://www.dhsprogram.com/pubs/pdf/FR354/FR354.pdf

2018: Pakistan National Nutrition Survey 2018 https://www.unicef.org/pakistan/media/2826/file/National%20Nutrition%20S

(Accessed 03.11.20)

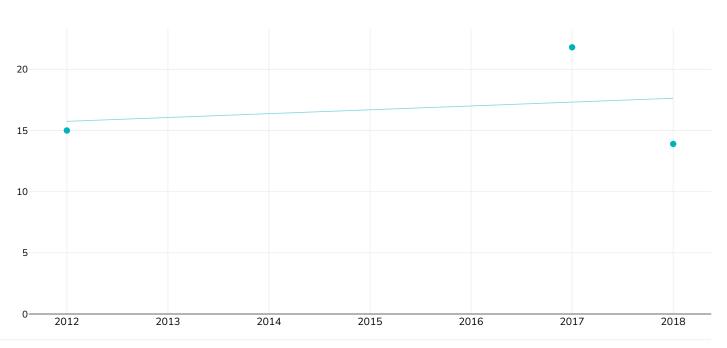
Unless otherwise noted, overweight refers to a BMI between 25kg and 29.9kg/m², obesity refers to a BMI greater than 30kg/m².

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, 2012-2018

Obesity, Women



Survey Measured

type:

References: 2012: National Institute of Population Studies - NIPS/Pakistan and ICF International. 2013. Pakistan Demographic and Health Survey 2012-13. Islamabad, Pakistan: NIPS/Pakistan and ICF International.

2017: National Institute of Population Studies - NIPS/Pakistan and ICF. 2019. Pakistan Demographic and Health Survey 2017-18. Islamabad, Pakistan, and Rockville, Maryland, USA: NIPS and ICF.

https://www.dhsprogram.com/pubs/pdf/FR354/FR354.pdf

2018: Pakistan National Nutrition Survey 2018 https://www.unicef.org/pakistan/media/2826/file/National%20Nutrition%20S

(Accessed 03.11.20)

Different methodologies may have been used to collect this data and so data from different surveys may not be strictly comparable. Please check with original data sources for methodologies used.

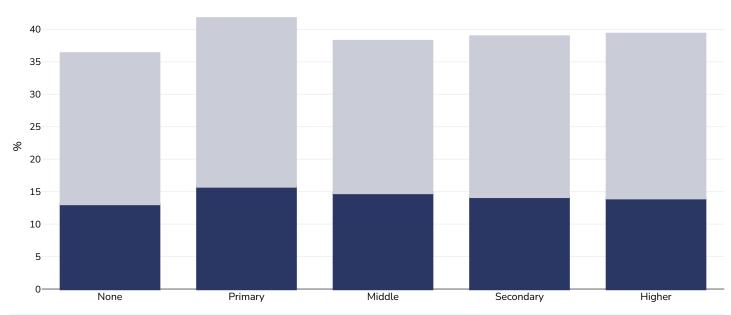


Overweight/obesity by education

Women, 2018

Notes:





Survey type:	Measured
Age:	15-49
Sample size:	123092
Area covered:	National
References:	Pakistan National Nutrition Survey 2018 https://www.unicef.org/pakistan/media/2826/file/National%20Nutrition%20S (Accessed 03.11.20)

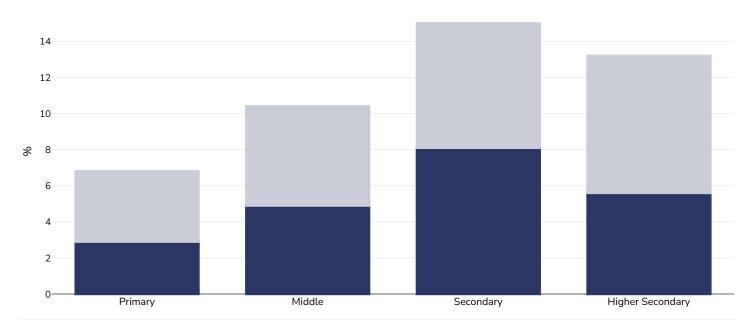
Unless otherwise noted, overweight refers to a BMI between 25kg and 29.9kg/m², obesity refers to a BMI greater than 30kg/m².

Non-pregnant women



Children, 2021





Survey type:	Measured
Age:	9-17
Sample size:	3551
Area covered:	National

References: The Current Prevalence of Underweight, Overweight, and Obesity Associated with Demographic Factors among Pakistan School-Aged Children and Adolescents — An Empirical Cross-Sectional Study. Available at: https://www.mdpi.com/1660-

Cutoffs: CDC US 2000 BMI charts

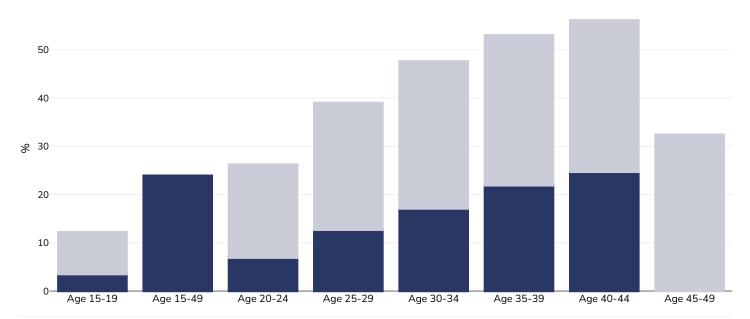
4601/19/18/11619



Overweight/obesity by age

Women, 2018





Survey type:

Sample size:

Area
covered:

Measured

123092

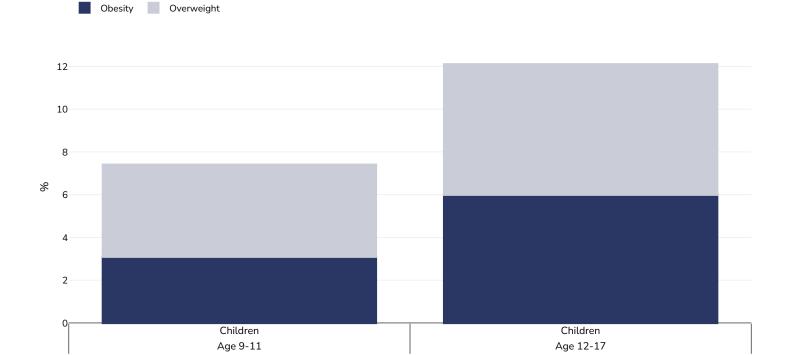
References: Pakistan National Nutrition Survey 2018 https://www.unicef.org/pakistan/media/2826/file/National%20Nutrition%20S (Accessed 03.11.20)

Notes: Nutritional status of non-pregnant women of reproductive age

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



Children, 2021



Survey type:

Sample size:

Area

National covered:

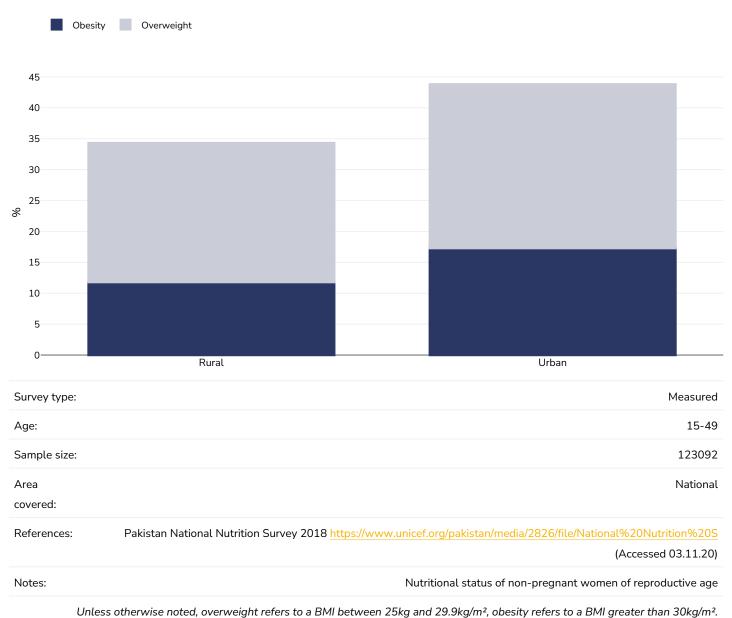
References: The Current Prevalence of Underweight, Overweight, and Obesity Associated with Demographic Factors among Pakistan School-Aged Children and Adolescents — An Empirical Cross-Sectional Study. Available at: https://www.mdpi.com/1660-4601/19/18/11619

Cutoffs: CDC US 2000 BMI charts



Overweight/obesity by region

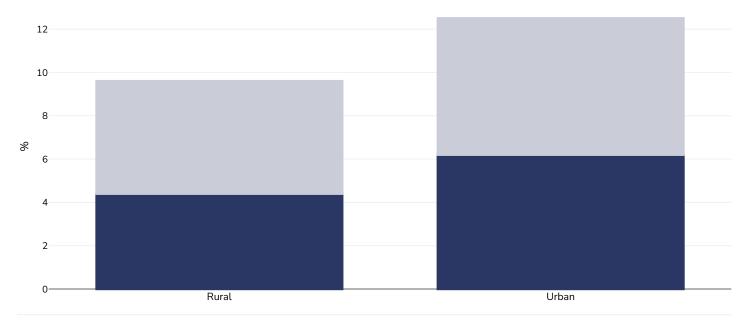
Women, 2018





Children, 2021





Survey type:	Measured
Age:	9-17
Sample size:	3551
Area covered:	National

References:

The Current Prevalence of Underweight, Overweight, and Obesity Associated with Demographic Factors among Pakistan School-Aged Children and Adolescents — An Empirical Cross-Sectional Study. Available at: https://www.mdpi.com/1660-4601/19/18/11619

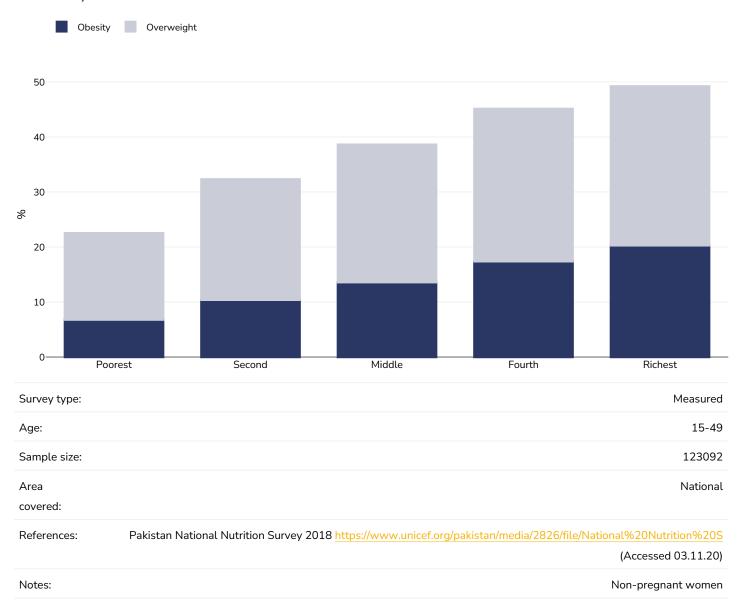
4601/19/18/11619

Cutoffs: CDC US 2000 BMI charts



Overweight/obesity by socio-economic group

Women, 2018

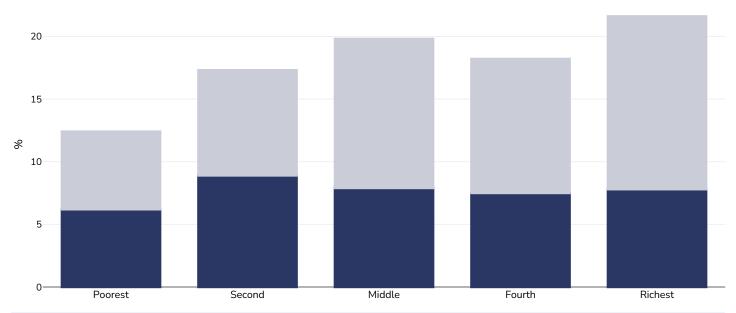


Unless otherwise noted, overweight refers to a BMI between 25kg and 29.9kg/m², obesity refers to a BMI greater than 30kg/m².



Boys, 2018



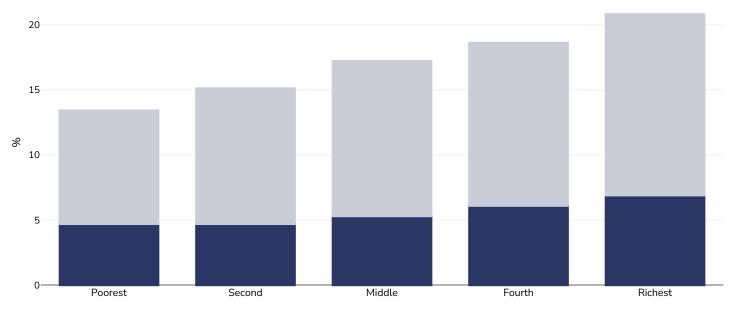


Survey type:	Measured
Age:	10-19
Area covered:	National
References:	Pakistan National Nutrition Survey 2018 https://www.unicef.org/pakistan/media/2826/file/National%20Nutrition%20S (Accessed 03.11.20)
Notes:	BMI-for-age cut-offs also available
Cutoffs:	WHO



Girls, 2018



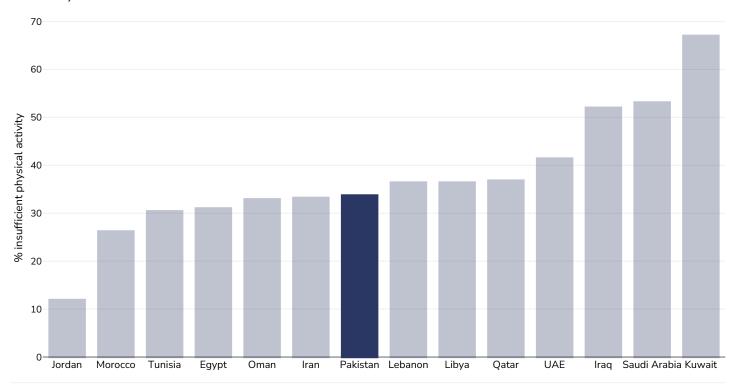


Survey type:	Measured
Age:	10-19
Area covered:	National
References:	Pakistan National Nutrition Survey 2018 https://www.unicef.org/pakistan/media/2826/file/National%20Nutrition%20S (Accessed 03.11.20)
Notes:	BMI-for-age cut-offs also available
Cutoffs:	WHO



Insufficient physical activity

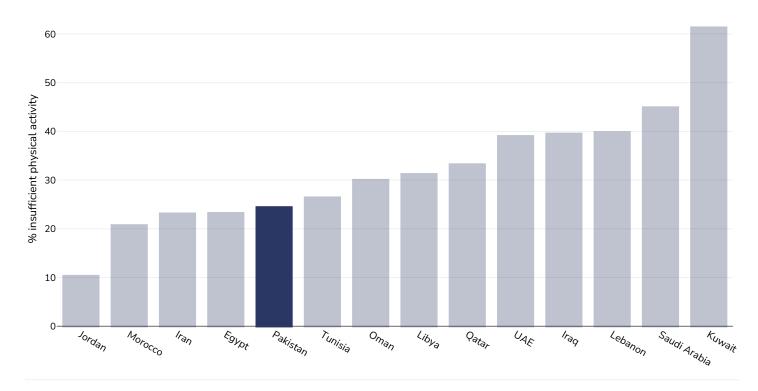
Adults, 2016



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



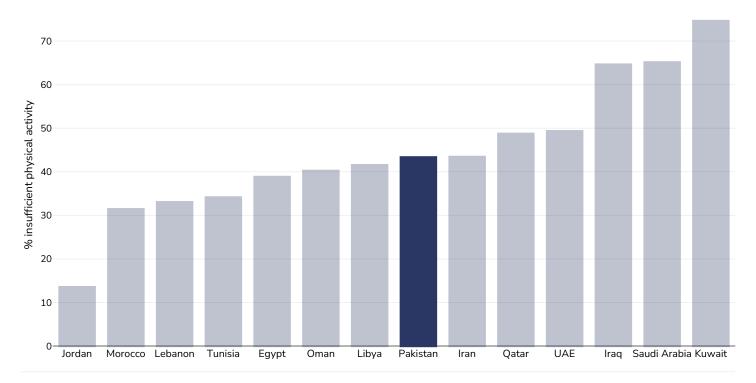
Men, 2016



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



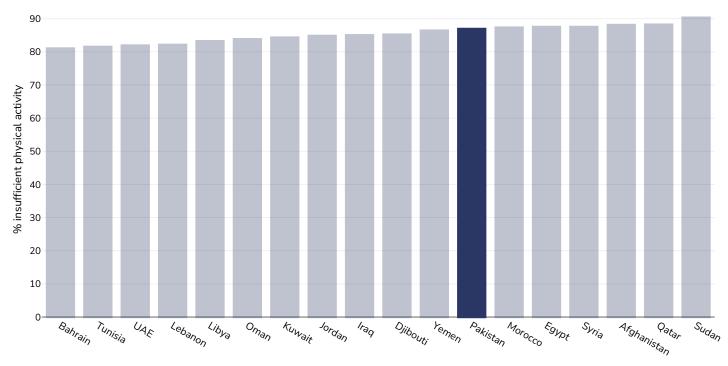
Women, 2016



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



Children, 2016

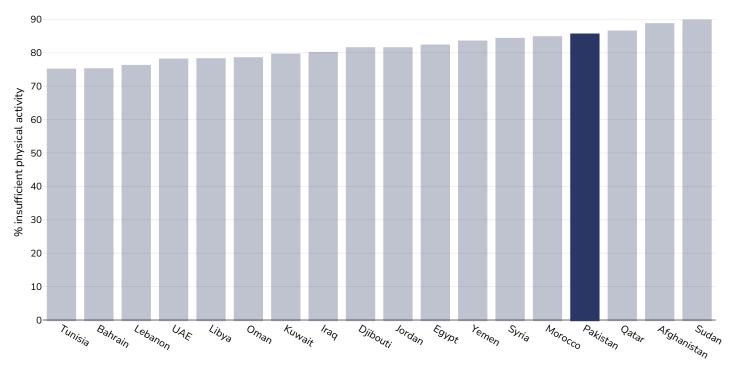


Survey type:	Self-reported
Age:	11-17
References:	Global Health Observatory data repository, World Health Organisation, https://apps.who.int/gho/data/node.main.A893ADO?lang=en (last accessed 16.03.21)
Notes:	% of school going adolescents not meeting WHO recommendations on Physical Activity for Health, i.e. doing less than 60 minutes of moderate- to vigorous-intensity physical activity daily.

Definitions: % Adolescents insufficiently active (age standardised estimate)



Boys, 2016



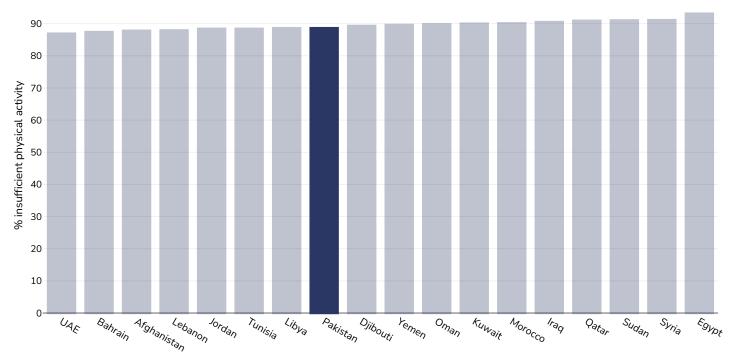
Survey type:	Self-reported
**	
Age:	11-17
References:	Global Health Observatory data repository, World Health Organisation, https://apps.who.int/gho/data/node.main.A893ADO?lang=en (last accessed 16.03.21)
Notes:	% of school going adolescents not meeting WHO recommendations on Physical Activity for Health, i.e. doing less than 60 minutes of moderate- to vigorous-intensity physical activity daily.

Definitions: % Adolescents insufficiently active (age standardised estimate)



Girls, 2016

Definitions:



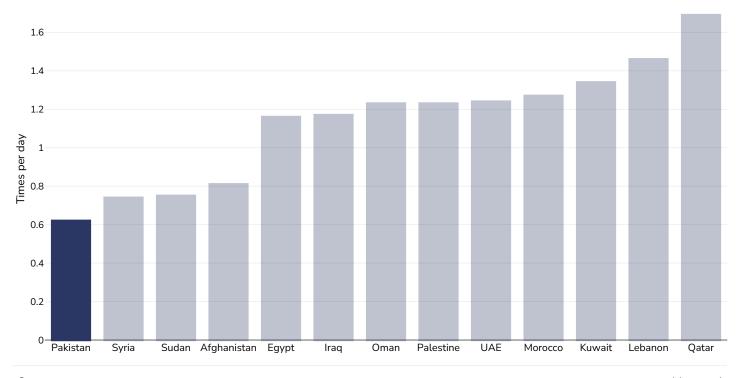
Survey type:	Self-reported
Age:	11-17
References:	Global Health Observatory data repository, World Health Organisation, https://apps.who.int/gho/data/node.main.A893ADO?lang=en (last accessed 16.03.21)
Notes:	% of school going adolescents not meeting WHO recommendations on Physical Activity for Health, i.e. doing less than 60 minutes of moderate- to vigorous-intensity physical activity daily.

% Adolescents insufficiently active (age standardised estimate)



Average daily frequency of carbonated soft drink consumption

Children, 2009-2015



Survey Measured type:

Age: 12-17

References:

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

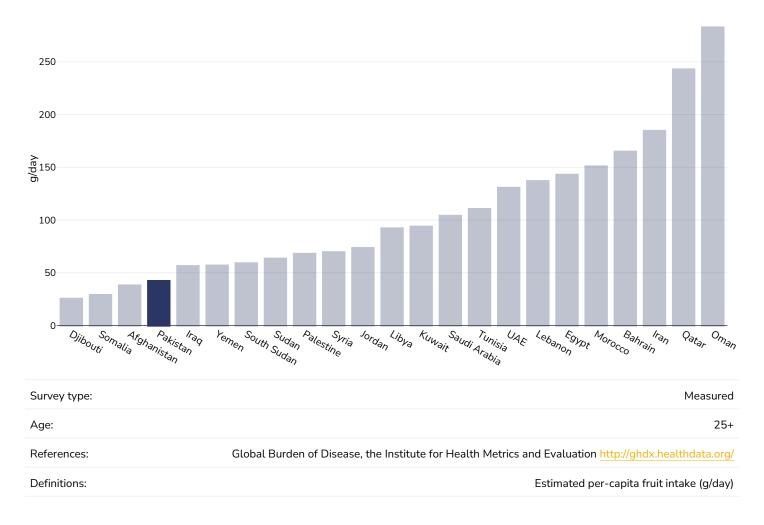
https://doi.org/10.1177/0379572119848287 sourced from Food Systems Dashboard

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



Estimated per capita fruit intake

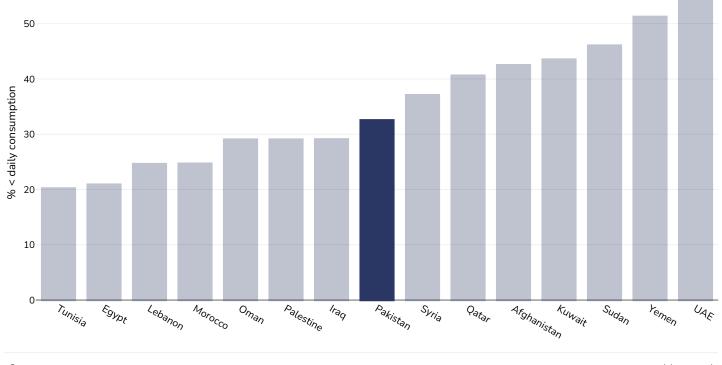
Adults, 2017





Prevalence of less than daily fruit consumption

Children, 2008-2015



Survey Measured

type:

Age: 12-17

References:

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

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

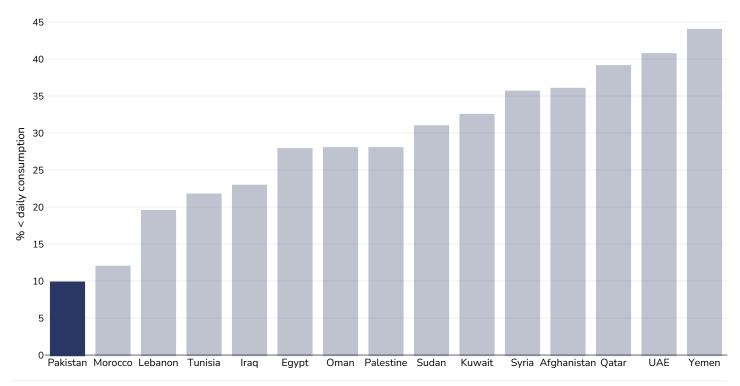
Definitions:

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



Prevalence of less than daily vegetable consumption

Children, 2008-2015



Survey Measured

type:

Age: 12-17

References:

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

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

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

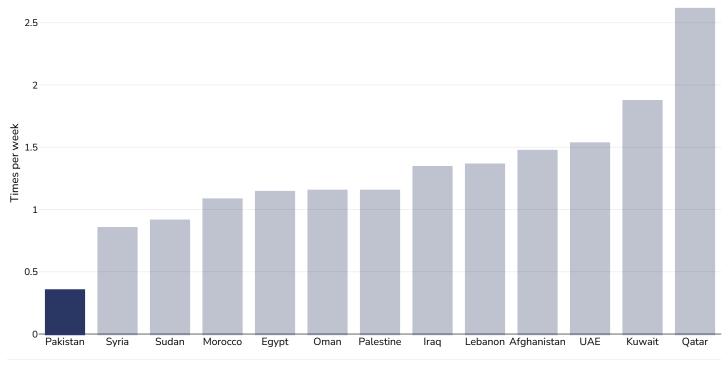
Definitions:

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



Average weekly frequency of fast food consumption

Children, 2009-2015



Age: 12-17

References:

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

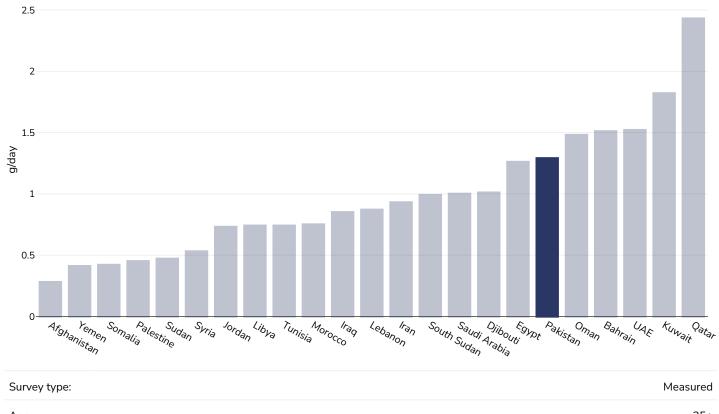
https://doi.org/10.1177/0379572119848287 sourced from Food Systems Dashboard

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



Estimated per-capita processed meat intake

Adults, 2017

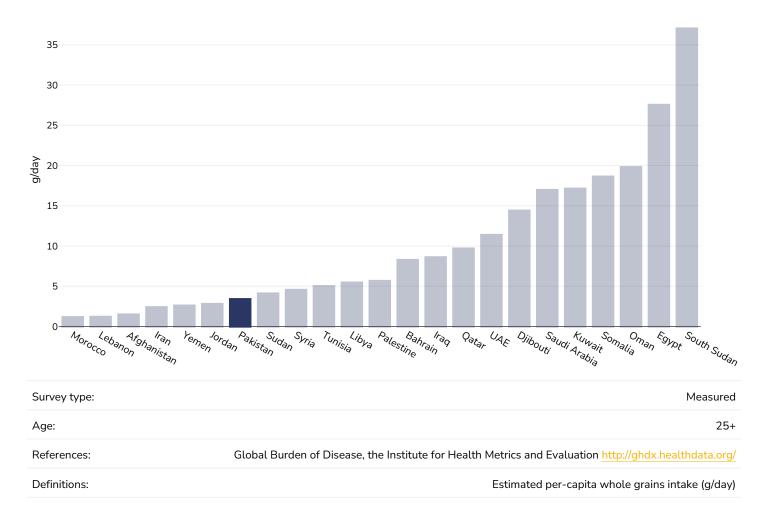


Survey type: Measured
Age: 25+
References: Global Burden of Disease, the Institute for Health Metrics and Evaluation http://ghdx.healthdata.org/
Definitions: Estimated per-capita processed meat intake (g per day)



Estimated per capita whole grains intake

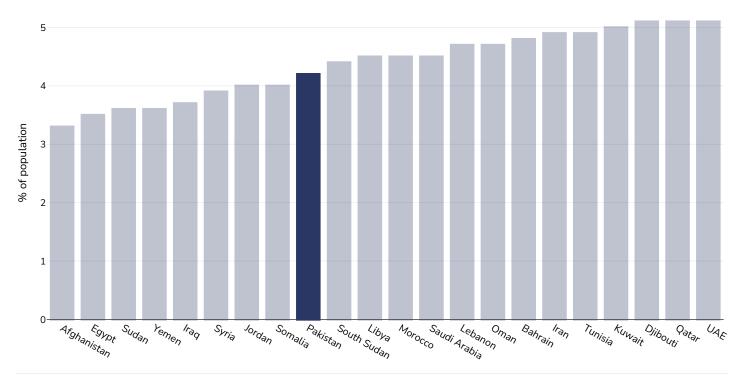
Adults, 2017





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.

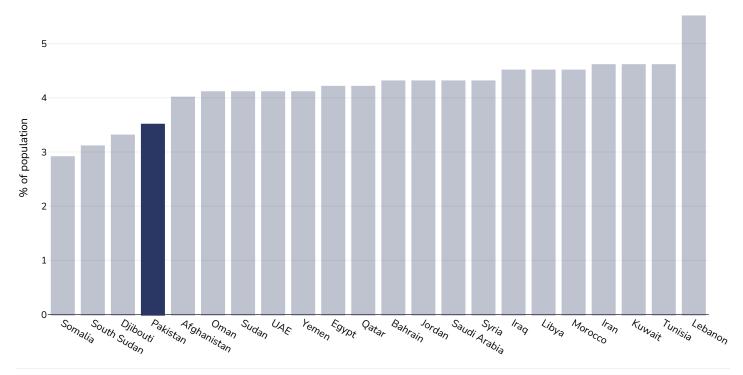
Definitions:

% of population with depression disorders



Mental health - anxiety disorders

Adults, 2015



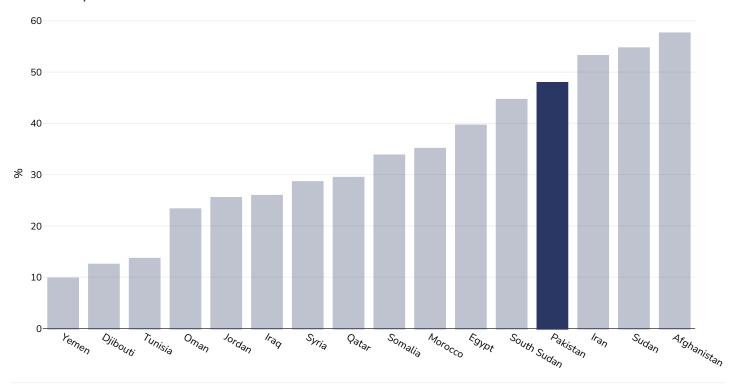
References: Prevalence data from Global Burden of Disease study 2015 (http://ghdx.healthdata.org) published in: Depression and Other Common Mental Disorders: Global Health Estimates. Geneva: World Health Organization; 2017. Licence: CC BY-NC-SA 3.0 IGO.

Definitions: % of population with anxiety disorders



% Infants exclusively breastfed 0-5 months

Children, 2010-2019



Area National

covered:

References:

Pakistan 2018 National Nutrition Survey

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

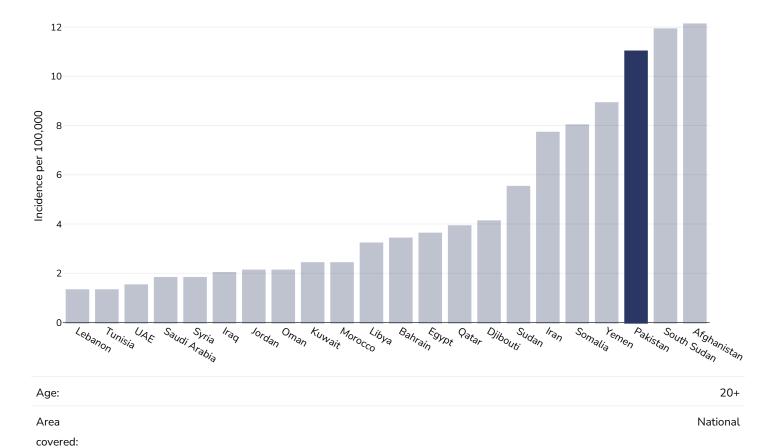
Definitions:

% exclusively breastfed 0-5 months



Oesophageal cancer

Men, 2020



References:

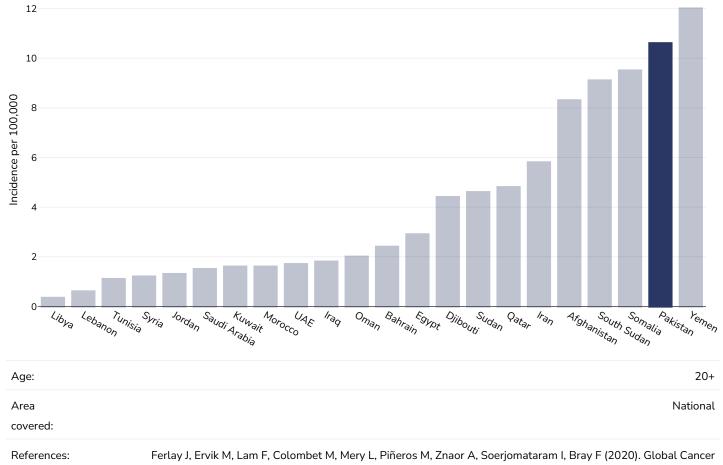
Ferlay J, Ervik M, Lam F, Colombet M, Mery L, Piñeros M, Znaor A, Soerjomataram I, Bray F (2020). Global Cancer
Observatory: Cancer Today. Lyon, France: International Agency for Research on Cancer. Available from:
https://gco.iarc.fr/today, accessed 10.01.2273

Definitions:

Age-standardized indicence rates per 100 000



Women, 2020



Ferlay J, Ervik M, Lam F, Colombet M, Mery L, Piñeros M, Znaor A, Soerjomataram I, Bray F (2020). Global Cancer

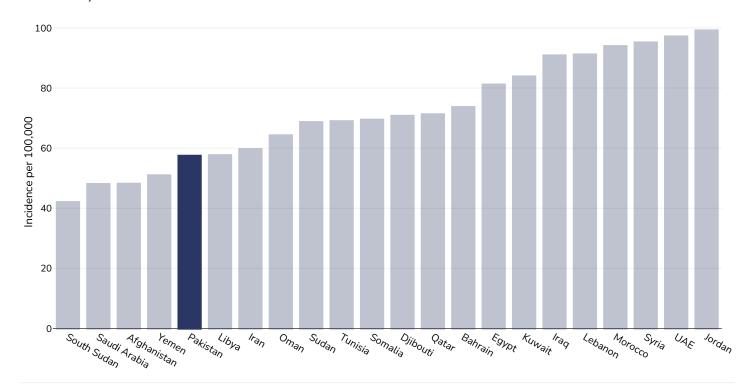
Observatory: Cancer Today. Lyon, France: International Agency for Research on Cancer. Available from:

https://gco.iarc.fr/today, accessed 10.01.2273



Breast cancer

Women, 2020



Age: 20+

Area National covered:

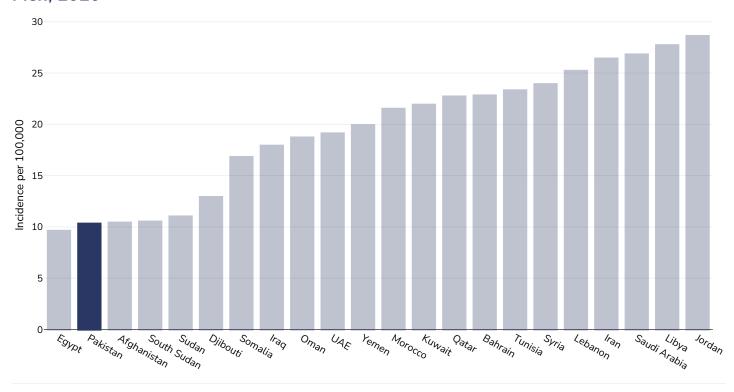
References:

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 10.01.2273



Colorectal cancer

Men, 2020



Age: 20+

Area National covered:

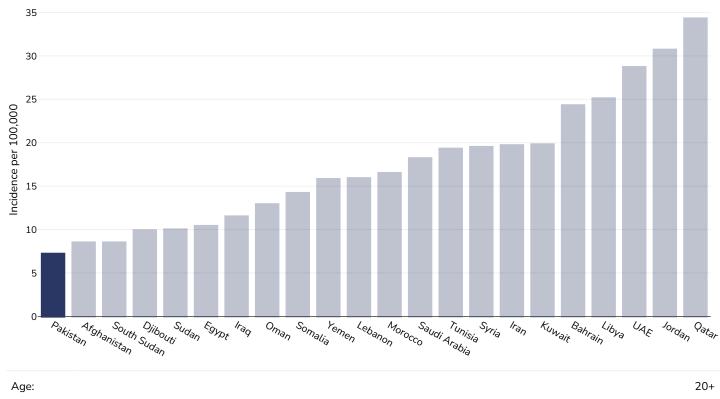
References:

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 10.01.2273



Women, 2020



Area National

covered:

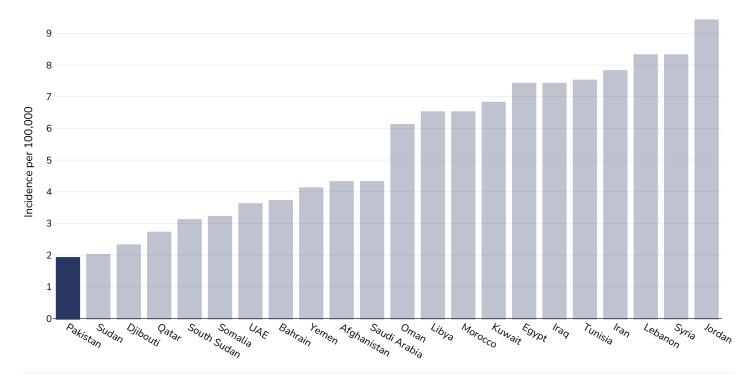
References: Ferlay J, Ervik M, Lam F, Colombet M, Mery L, Piñeros M, Znaor A, Soerjomataram I, Bray F (2020). Global Cancer Observatory: Cancer Today. Lyon, France: International Agency for Research on Cancer. Available from:

https://gco.iarc.fr/today, accessed 10.01.2273



Pancreatic cancer

Men, 2020



Age: 20+

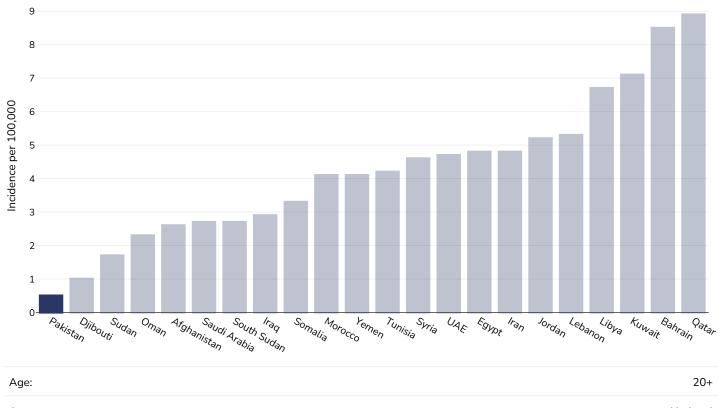
Area National covered:

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 10.01.2273





Area National

covered:

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

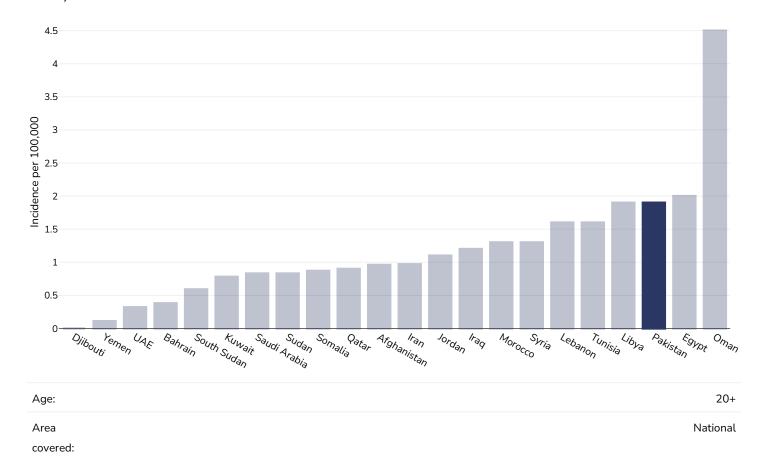
https://gco.iarc.fr/today, accessed 10.01.2273

Definitions: Age-standardized indicence rates per 100 000



Gallbladder cancer

Men, 2020



References:

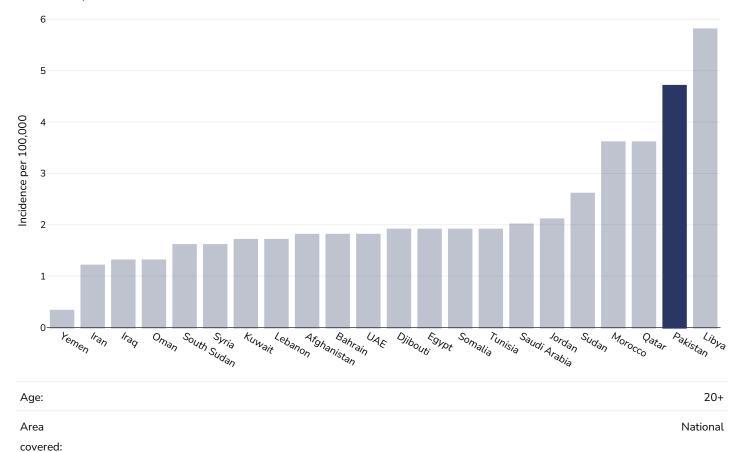
Ferlay J, Ervik M, Lam F, Colombet M, Mery L, Piñeros M, Znaor A, Soerjomataram I, Bray F (2020). Global Cancer Observatory: Cancer Today. Lyon, France: International Agency for Research on Cancer. Available from:

https://gco.iarc.fr/today, accessed 10.01.2273

Definitions:

Age-standardized indicence rates per 100 000





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 10.01.2273

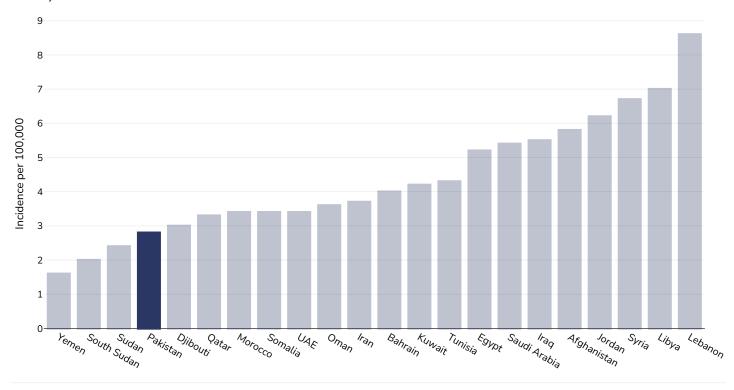
Definitions:

Age-standardized indicence rates per 100 000



Kidney cancer

Men, 2020



Age: 20+

Area National covered:

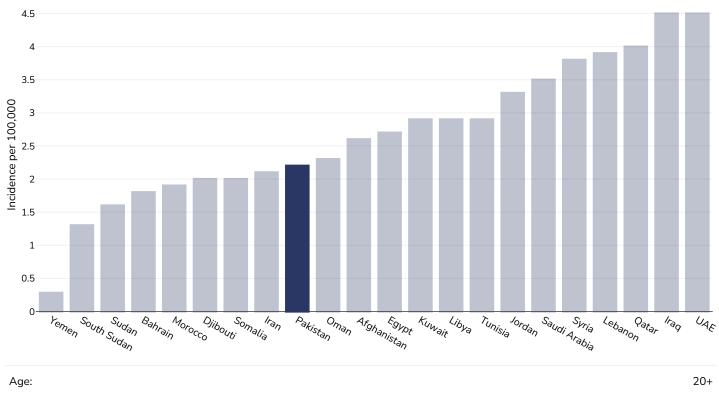
References:

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 10.01.2273

Definitions: Age-standardized indicence rates per 100 000





Area National

covered:

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:

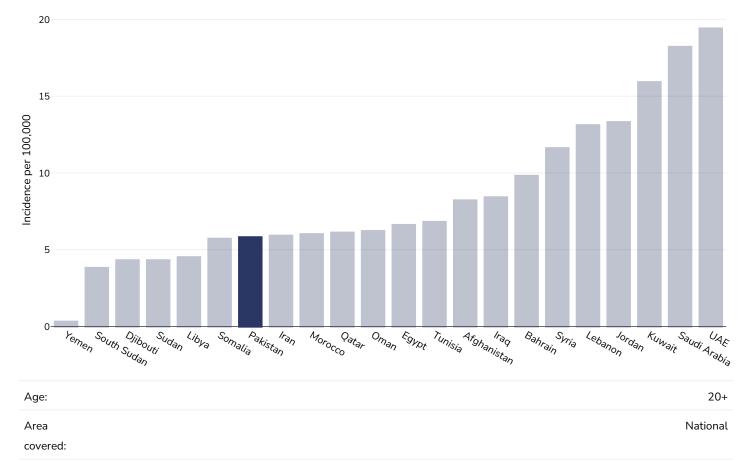
https://gco.iarc.fr/today, accessed 10.01.2273

Definitions: Age-standardized indicence rates per 100 000



Cancer of the uterus

Women, 2020



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 10.01.2273

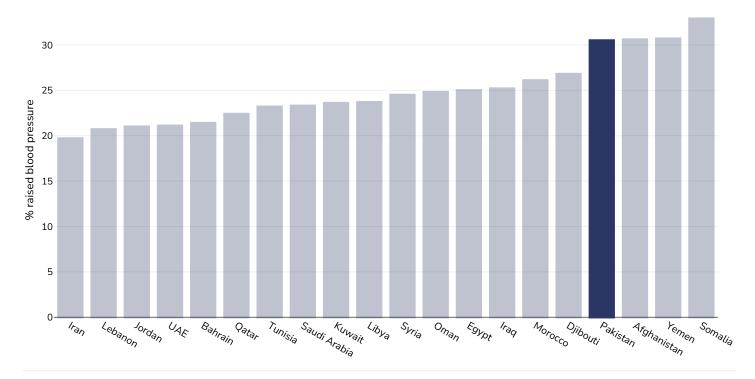
Definitions:

Age-standardized indicence rates per 100 000



Raised blood pressure

Adults, 2015



References:

 ${\bf Global\ Health\ Observatory\ data\ repository,\ World\ Health\ Organisation,}$

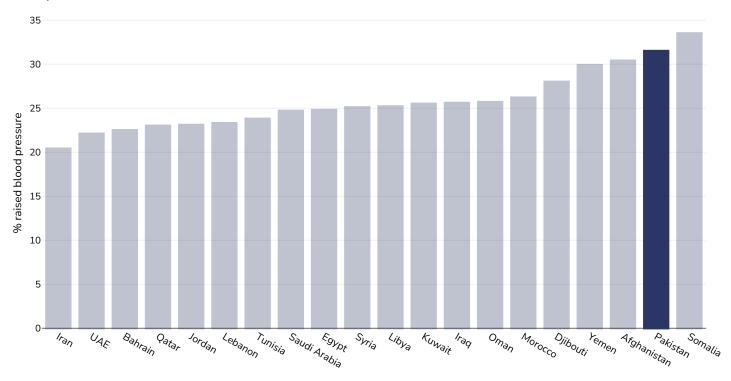
http://apps.who.int/gho/data/node.main.A875?lang=en

Definitions:

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



Men, 2015



References:

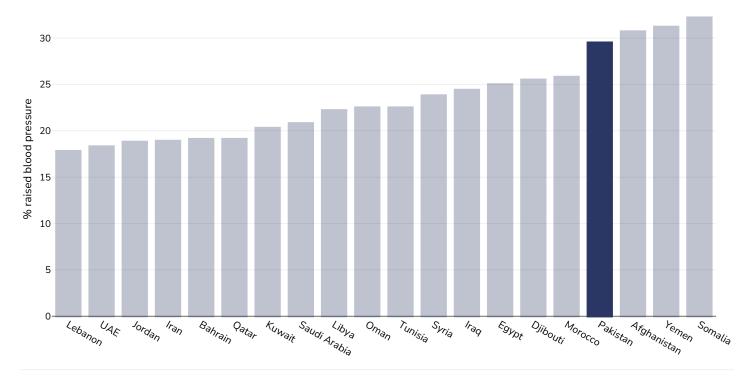
Global Health Observatory data repository, World Health Organisation,

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

Definitions:

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





References:

Global Health Observatory data repository, World Health Organisation,

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

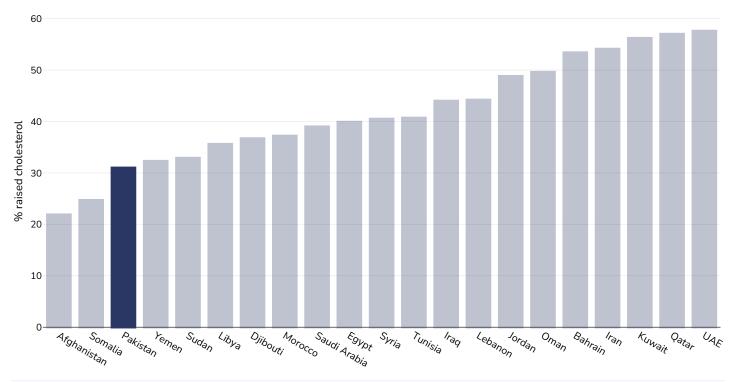
Definitions:

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



Raised cholesterol

Adults, 2008



References:

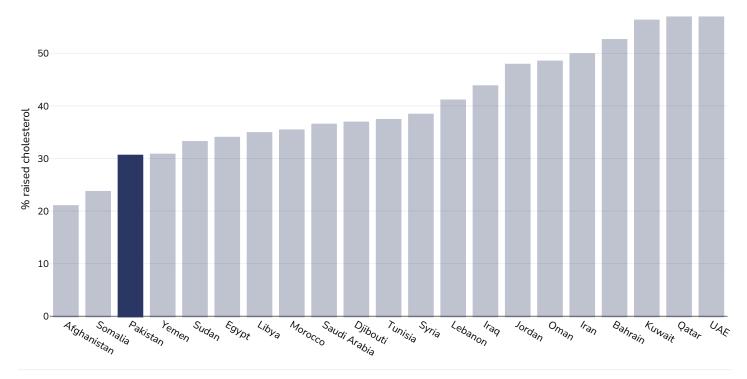
Global Health Observatory data repository, World Health Organisation, http://apps.who.int/gho/data/node.main.A885

Definitions:

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



Men, 2008



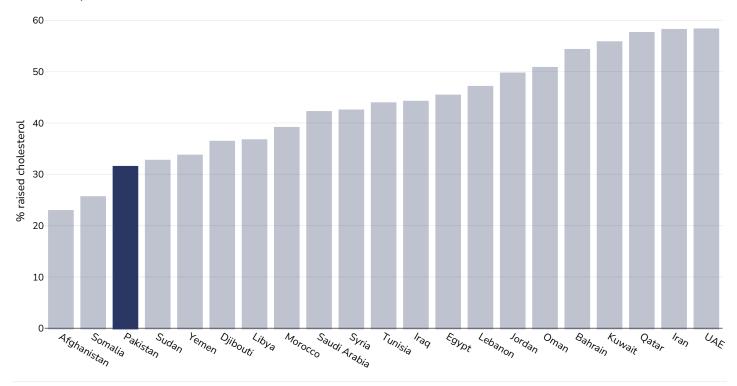
References:

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

Definitions:

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





References:

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

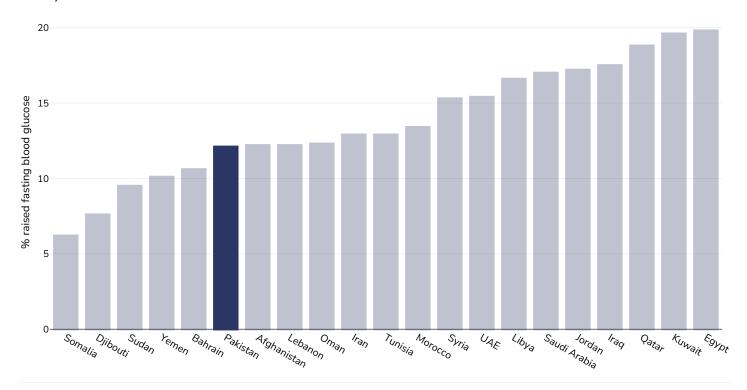
Definitions:

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



Raised fasting blood glucose

Men, 2014



References:

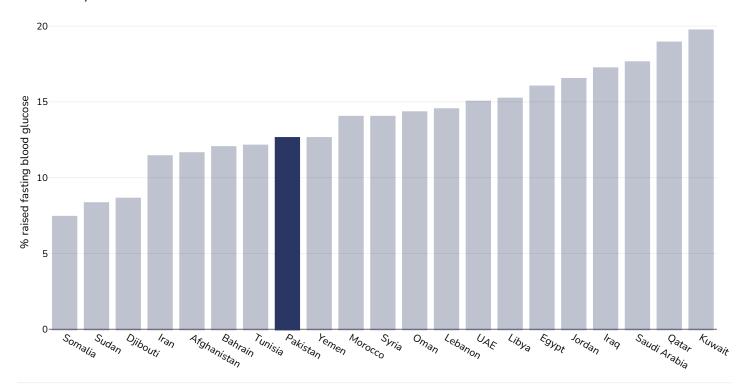
Global Health Observatory data repository, World Health Organisation,

http://apps.who.int/gho/data/node.main.A869?lang=en

Definitions:

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





References:

Global Health Observatory data repository, World Health Organisation,

http://apps.who.int/gho/data/node.main.A869?lang=en

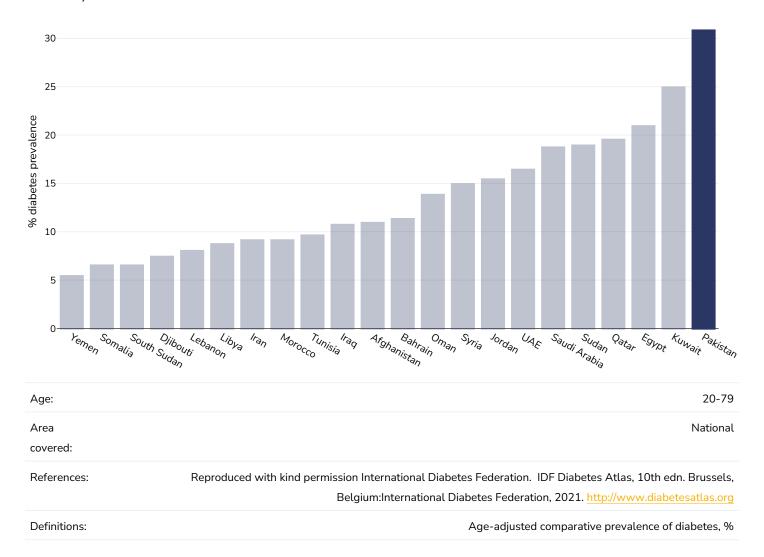
Definitions:

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



Diabetes prevalence

Adults, 2021





Contextual factors

Disclaimer: These contextual factors should be interpreted with care. Results are updated as regularly as possible and use very specific criteria. The criteria used and full definitions are available for download at the bottom of this page.



Labelling

Is there mandatory nutrition labelling?	×
Front-of-package labelling?	×
Back-of-pack nutrition declaration?	×
Color coding?	×
Warning label?	×





Regulation and marketing

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





Political will and support

National obesity strategy or nutrition and physical activity national strategy?	X
National obesity strategy?	×
National childhood obesity strategy?	×
Comprehensive nutrition strategy?	~
Comprehensive physical activity strategy?	X
Evidence-based dietary guidelines and/or RDAs?	~
National target(s) on reducing obesity?	X
Guidelines/policy on obesity treatment?	X
Promotion of breastfeeding?	~
Monitoring and surveillance	
Monitoring of the prevalence and incidence for the main obesity-related NCDs and risk factors?	~
Within 5 years?	~
Governance and resource	
Multi-sectoral national co-ordination mechanism for obesity or nutrition (including obesity)?	~
Key	
Present Present Incoming Absent 7 Unknown	
(voluntary)	

Last updated August 8, 2023