Appendix to Global, regional, and national prevalence of overweight and obesity in children and adults during 1980-2013: a systematic analysis for the Global Burden of Disease Study 2013

This appendix provides supplemental information on methods and supplemental tables and figures to support the material in the main paper. It is divided into six sections.

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Section 1. Survey and Report Data

Micro survey data which provide information on height and weight were identified. Both self-report and measured data were considered. Major multi-country survey programs included in the analysis are the Demographic and Health Surveys (DHS),[1] the WHO STEPwise approach to Surveillance (STEPS) program,[2] the Eurobarometer Surveys,[3] the Multiple Indicator Cluster Surveys (MICS),[4] the World Health Surveys (WHS),[5] the Reproductive Health Surveys (RHS),[6] the Survey of Health Ageing and Retirement in Europe (SHARE), [7] and the International Social Survey Programmed (ISSP).[8] In addition, a comprehensive search to identify other national surveys and longitudinal studies was conducted via major databases including – the WHO Global Infobase,[9] the International Association for the Study of Obesity Obesity Data Portal,[10] and the Global Health Data Exchange (GHDx),[11] and was supplemented with a targeted Google search as well as searches on websites of national health ministries. Webtable 1 presents the number of data points for 21 GBD regions by decade. A comprehensive data source list with all data used in the current study is provided in Webtable 7.

For surveys where the micro data were available, we computed body-mass index using height and weight. We then applied the International Obesity Task Force criteria (see Section III) to determine the status of overweight and obesity for individuals under the age of 18 years. For individuals above the age of 18 years, we applied the cutoff of 25≤BMI<30 for overweight and BMI≥30 for obese. Survey weights, whenever available, were applied to obtain the weighted national estimates. In addition to prevalence estimates, we extracted other details including sample size, standard error, urbanicity and reporting mechanism -- whether height and weight were measured or self-reported. All data points with sample sizes below 100 were carefully reviewed in order to ensure that extreme observations driven by small samples would not influence the accuracy of our analysis. Data points from surveys with high level of missingness caused by incomplete entries on height and weight (>15%) were excluded. Standard errors extracted from the survey were incorporated in subsequent analytical steps to capture uncertainty in the raw data. Urbanicity information was used to identify the extent to which the data were nationally representative. Previous studies have pointed out differences between urban and national estimates, and rural and national estimates.[12–14] In order to determine the appropriateness of including urban or rural only studies, we reviewed all urban and rural data points with reference to the urbanicity level of the country as defined in World Urbanization Prospect.[15] In general, data points based on multiple country sites were included if the sample was representative of the general population; for example, the VIGITEL in Brazil and the Australian Risk Factor Prevalence Study. Furthermore, upon careful consideration, we excluded several sources from our final analysis, including: data from MONICA (as the samples were not representative at the national level), WHS from developing countries (as the prevalence of overweight and obesity was implausible and very different from other available data sources), surveys that sampled only select urban or select rural populations. Webtable 8 provides a list of surveys reviewed and excluded in the current study.

For 448 of the sources, we extracted the prevalence of overweight and obesity from reports. We only included sources that used the same definitions of overweight and obesity as in our study. We excluded reports that present prevalence data based on alternative cutoffs. For child data, previous studies comparing national childhood obesity cutoffs have found substantial cross-country variation.[16] Therefore, we excluded studies which utilized national standards for defining child obesity such as UK90 which are not comparable with the IOTF standard.[17] We also excluded adult data that used local standards for adult overweight and obesity; for instance, report data from the Taiwan BRFSS utilized BMI≥24 as the cutoff for overweight and BMI≥27 for obese.[18] Overweight and obesity defined using alternative measurements such as waist circumference, hip-waist ratio were also excluded in the current study due to the lack of data for reliable cross-walking.

Webtable 1 Number of data points included in the study by GBD regions and decades

Region	1980s	1990s	2000s	2010s	Total
Andean Latin America	2	36	69	31	138

Region	1980s	1990s	2000s	2010s	Total
Australasia	57	80	217	81	435
Caribbean	13	49	153	28	243
Central Asia	0	36	146	18	200
Central Europe	12	168	909	210	1,299
Central Latin America	14	51	450	66	581
Central Sub-Saharan Africa	0	9	53	22	84
East Asia	48	178	363	80	669
Eastern Europe	0	371	597	121	1,089
Eastern Sub-Saharan Africa	26	122	279	101	528
High-income Asia Pacific	390	424	600	126	1,540
High-income North America	497	665	1,005	274	2,441
North Africa and Middle East	27	144	628	177	976
Oceania	2	10	98	16	126
South Asia	1	47	203	68	319
Southeast Asia	11	79	446	83	619
Southern Latin America	0	0	98	28	126
Southern Sub-Saharan Africa	2	95	168	104	369
Tropical Latin America	2	95	123	39	259
Western Europe	540	1,109	3,975	945	6,569
Western Sub-Saharan Africa	112	153	290	79	634
Total	1,756	3,921	10,870	2,697	19,244

Section 2. Literature Review

In addition to survey and report data, existing literature on obesity and overweight were identified through a Medline search. In particular, we searched for articles published between 1 January 1980 and 31 December 2013. The specific PubMed search term is: "Overweight"[Mesh] OR "Obesity"[Mesh]). We limited the search to population-based studies on human subjects using the following terms: "humans"[Mesh] AND ("Data Collection"[Mesh] OR "Health Services Research"[Mesh] OR "Population Surveillance"[Mesh] OR "Vital statistics"[Mesh] OR "Population"[Mesh] OR "Epidemiology"[Mesh] OR "survey*"[TiAb]) NOT Comment[ptyp] NOT Case Reports[ptyp] NOT "hospital"[TiAb]. A total of 7620 articles were identified though the process, of which 543 were selected for this study. The exclusion criteria for the articles are as followed:

A. Non-random sampling: studies were excluded if the sample was not selected randomly from the population.
B. Subpopulations: studies with samples from a particular population group, such as aboriginal groups, immigrant groups, specific employment status, economic status, pregnant women, patient groups.
C. Alternative cutoffs or measurements: studies that reported prevalence of overweight and obesity based on cutoffs other than BMI>=25 or BMI>=30 for adult, and studies which reported using criteria other than COLE/IOTF for children were excluded. In addition, prevalence estimates based on alternative measurements such as hydrodensitometry, MRI, CT, skin-fold thickness, and waist-circumference were excluded.
D. Below the age of 2 years: studies that reported on children under the age of 2 were excluded.
E. Inadequate sampling details: studies that did not provide adequate details of the sampling method or the sample composition were excluded.
F. Small sample sizes: studies with a sample size of less than 100 were excluded.

Section 3. Definition of Childhood Overweight and Obesity

To date, there is still not a unified global standard for classifying childhood overweight and obesity. [19] In this study, we utilized the International Obesity Task Force (IOTF) BMI-for-age standard for defining overweight and obesity under the age of 18. [20–22] The IOTF standard was derived using nationally representative data from children between age 2 and age 18 from six locations including UK, USA, The Netherlands, Brazil, Singapore and Hong Kong. Using LMS method, BMI centiles were constructed. Cutoff points were defined for each age (by months) such that they aligned with the adult definition at the age of 18.

An alternative criterion for defining childhood and adolescent overweight and obesity internationally is the WHO standard. Specifically, for children under the age of 5 years the 2006 WHO Child Growth Standards provides z-scores for BMI by sex and age group.[23] Overweight is defined as 2 standard deviations (SD) above the median BMI, whereas obesity is defined as 3SD above the median.[24] For children and adolescents aged 5-19 years, cutoffs were provided in the WHO growth reference for school-aged children and adolescents.[25] Overweight is defined as 1SD above the median and obesity is defined as 2SD above the median. While the WHO Child Growth Standards was derived from both longitudinal and cross-sectional data from children in 6 sites including Brazil, Ghana, India, Norway, Oman and USA, the WHO growth reference for school-aged children was based on data from US surveys.

Due to differences in sample and growth curve fitting strategies, IOTF and the WHO cutoffs vary. Several studies have discussed and compared the two standards.[26] The resulting prevalence estimates of overweight and obesity differed significantly depending on which criteria was chosen.[27] For example, it has been shown using data from the Czech Republic National Survey on children and adolescents 2001 that the prevalence of obesity among boys of age 5 is 3.1% using IOTF standard vs. 1.5% using WHO.[28]

One of the issues which limited the use of WHO standard in this study is the switch of cutoff at the age of 5. It has been acknowledged in the literature that such discontinuity in cutoff yields an artificial shift in prevalence estimates.[20] Given the current analysis involves the estimation of prevalence of overweight and obesity for children spanning age 2 to 18, such discontinuity in cutoff could be problematic. Moreover, IOTF/COLE cutoff is used in considerably more published studies (over 60% of the identified literature utilized IOTF/COLE standard). To maximize the number of data sources, the IOTF standard was adopted.

Section 4. Bias Adjustment

A. Calculation of bias adjustment factors

Out of 19,242 data points used in this study, just under 50% were self-report data and the rest were measured. It has long been documented that self-report data are subject to bias.[19,29–31] For instance, women tend to under-report weight while men tend to over-report height.[32] Moreover, self-report bias varies across age.[33] To address this issue, we implemented a bias correction for self-reported data. Specifically, we compared self-report data with measured data which were also available from the same year, country, sex and age. For countries Sub-Saharan Africa, there is a lack of self-report and measured data which match exactly by year, sex and age. Given that changes in prevalence of overweight and obesity have been reported to be relatively moderate in the region,[19,34] to maximize the use of available information, we compared data which fell within ±3 years window. Webtable 2 shows the total number of country data points used in the adjustment analysis. For prevalence of overweight, the following mixed effects model was used:

$$logit(P_M) = \beta_0 + \beta_1 logit(P_{SR}) + \beta_2 S_{age1} + \beta_3 S_{age2} + \beta_4 S_{age3} + \alpha_r + \epsilon$$

where P_M is the prevalence of overweight based on measured data and P_{SR} is the prevalence of overweight based on self-report data. A cubic spline was used to account for age patterns in the data. The spline bases are represented as S_{age1}, S_{age2}, S_{age3} in the equation above. Finally, to capture regional differences, a random intercept on GBD super regions, α_r, was included in the model. As for prevalence of obesity due to the lack of significant age variation, a simplified model was used:

$$logit(P_M) = \beta_0 + \beta_1 logit(P_{SR}) + \alpha_r + \epsilon$$

These models were run separately for males and females. Using the estimated coefficients, $\hat{\beta}_0 \ldots \hat{\beta}_4$ and $\hat{\alpha}_r$, we then predicted prevalence of overweight and obesity for surveys and reports that only provided data based on self-report. The coefficients from the adjustment models are presented in Webtable 3 and the variation in the regional random intercept is presented in Webfigure 1.

Webtable 2. Countries and number of data points used for bias adjustment analysis

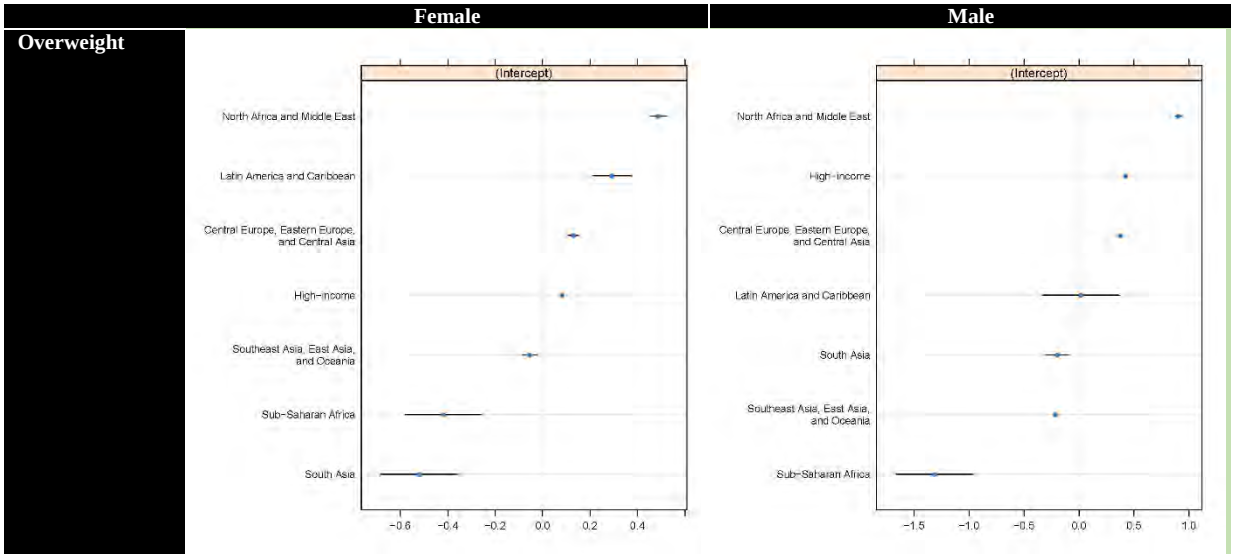
	Female	Male
Countries	Benin China Columbia Egypt Finland Germany Ghana Guyana Japan India Indonesia Peru Poland Russia Slovenia	China Finland Germany Guyana Japan India Indonesia Poland Russia Sweden Turkey Uganda United Kingdom United States

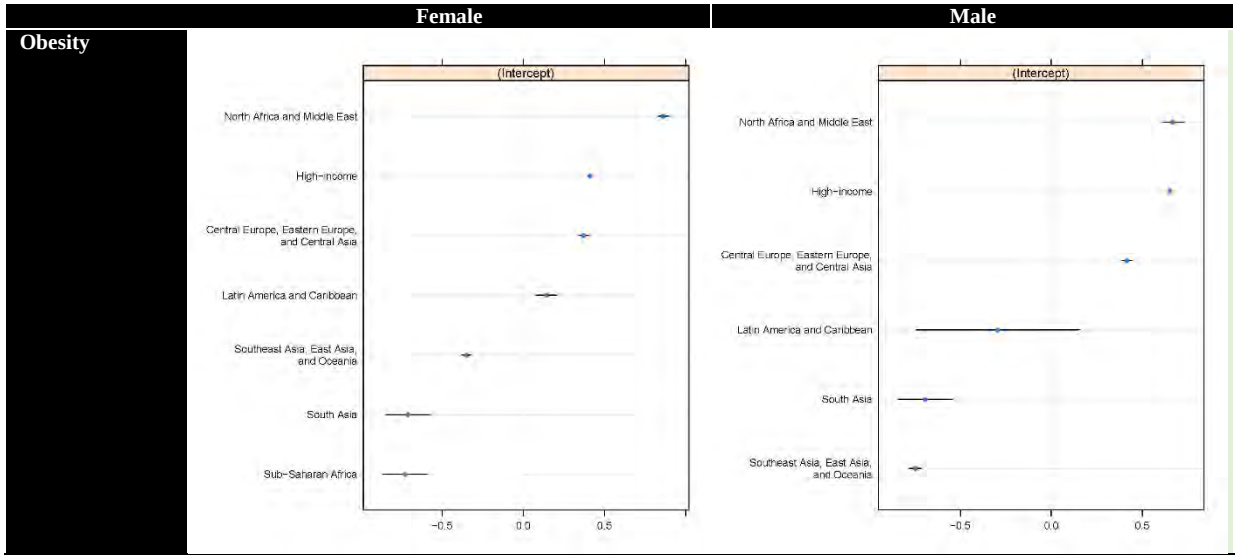
	Female	Male
	Sweden Turkey Uganda United Kingdom United States	
Number of data points	538	515

Webtable 3. Estimated fixed effect coefficients (β_0 and β_1) and 95% uncertainty intervals.

	Overweight	
	β_0	β_1
Female	0.310 (-0.245, 0.864)	0.841 (0.776, 0.906)
Male	-0.792 (-1.562, -0.022)	0.770 (0.711, 0.829)
	Obesity	
Female	-0.396 (-0.900, 0.107)	0.672 (0.615, 0.728)
Male	-0.894 (-1.592, -0.311)	0.569 (0.506, 0.632)

Webfigure 1. Estimated random effect (α_r) for GBD super regions with 95% uncertainty intervals.





B. Propagation of uncertainty in adjusted values

To quantify the uncertainty in the adjusted estimates from the mixed effects models described above, we calculated the prediction errors. Specifically, the prediction error, $\widehat{PE}$, is estimated as follows:

$$\widehat{PE} = X^2 var(\hat{\beta}) + var(\hat{\alpha}_r) + \sigma_\epsilon^2,$$

where $var(\hat{\beta})$ is the variance in estimated fixed effects coefficients and X is the independent variable (i.e. self-report data in this case), $var(\hat{\alpha}_r)$ is the uncertainty in the random effect estimates and σ_ϵ^2 is the residual variance. Proper estimation of prediction errors is crucial as the data synthesis procedure, Gaussian process regression (described in the subsequent section), takes into account data uncertainty when generating fitted values. More weights are given to data with less uncertainty. The prediction errors yielded from the bias adjustment were therefore incorporated as data variance propagated through the Gaussian process regression step to obtain the final prevalence and uncertainty intervals estimates.

Section 5. Estimating Prevalence of Obesity and Overweight for Different Age Groups

In this study, we are interested in estimating prevalence of overweight and obesity separately for males and females in every country for age 2 to 4 years, each five-year age group from age 10 to 80 years, and for all ages above 80 combined. While such information was easily extracted from surveys in which the microdata were available, many published reports presented data in broader age groups and occasionally for both sexes combined. To reduce data inconsistencies that arose from different age and sex groupings, we disaggregated these data into the age and sex grouping of interest in this study by applying an age-sex splitting model previously used in the Global Burden of Diseases, Injuries, and Risk Factors Study (GBD)[35] and more recently in a study estimating global smoking prevalence.[36]

The age-sex splitting model capitalized on all surveys that provided information on several different age-sex groupings. Using these surveys as references, the following model was applied. Specifically, let $\tilde{p}_{a,c,s}$ be the final estimate of overweight/obesity prevalence for the target age group a and sex s in country c. To disaggregate data that were reported in a broad age group but separately for sex, the following formula was used:

$$\tilde{p}_{a,c,s} = \frac{N_{a,c,s,k}^{a+x}}{Pop_{a,c,s}} \left(\frac{R_{a,s}}{R_{a,s}^{a+x}} \right)$$

where $N_{a,s,c}^{a+x}$ is the number of overweight/obese individuals reported from survey k, for country c, sex s, and an age group spanning age a to $(a+x)$; $R_{a,s}$ is the total number of overweight/obese individuals reported in the reference surveys for the target five-year age group a; $R_{a,s}^{a+x}$ is the total number of overweight/obese individuals also reported in the reference surveys but spanning the age group a to $a+x$; $Pop_{a,c,s}$ is the population of the target five-year age group a, for country c, and sex s.

To disaggregate data that were reported with both sexes combined and in a broad age group, the following formula was applied:

$$\tilde{p}_{a,s,c} = \frac{N_{a,c,k}^{a+x}}{Pop_{a,c,s}} \left(\frac{R_{a,s}}{R_{a}^{a+x}} \right)$$

where $N_{a,c,k}^{a+x}$ is the number of overweight/obese individuals reported from survey *k* for country c, both sexes combined and an age group spanning age a to $a+x$; $R_{a,s}$ is the total number of overweight/obese individuals reported in the reference surveys for the target sex group s and target five-year age group a; R_{a}^{a+x} is the total number of overweight/obese individuals also reported in the reference surveys with both sexes combined spanning the age group a to $a+x$; $Pop_{a,c,s}$ is the population of the target five-year age group a, for country c, and the target sex group s.

Section 6. Prevalence Estimation using Gaussian Process Regression

Gaussian Process Regression (GPR) was applied to data for each country-age-sex group to derive a complete time series of overweight/obesity prevalence. GPR is a stochastic modeling technique that is designed to detect signals amidst noisy data. It also serves as a powerful tool for interpolating non-linear trends.[37,38] Unlike classical linear models that assume that the trend underlying data follows a definitive functional form, GPR assumes that the specific trend of interest

follows a Gaussian Process, which is defined by a mean function $m(\cdot)$ and a covariance function $Cov(\cdot)$. Specifically, let $p_{c,a,s,t}$ be the prevalence of overweight/obesity observed in country *c*, for age group *a*, and sex *s* at time t:

$$logit(p_{c,a,s,t}) = g_{c,a,s}(t) + \epsilon_{c,a,s,t}$$

where

$$\epsilon_{c,a,s,t} \sim Normal(0, \sigma_p^2),$$

$$g_{c,a,s}(t) \sim GP\left(m_{c,a,s}(t), Cov\left(g_{c,a,s}(t)\right)\right).$$

σ_p^2 represents the error variance, which is composed of the squared standard error of the observed data point as well as the prediction errors from the cross-walk models, if applicable. The derivation of the mean and covariance functions, $m_{c,a,s}(t)$ and $Cov\left(g_{c,a,s}(t)\right)$, is described below.

Estimation of mean function

We estimated the mean function using a two-step approach. To be more specific, $m_{c,a,s}(t)$ can be expressed as:

$$m_{c,a,s}(t) = X\beta + h(r_{c,a,s,t})$$

where $X\beta$ is a linear model and $h(r_{c,a,s,t})$ is a smoothing function for the residuals, $r_{c,a,s,t}$, derived from the linear model. Two linear models were used to derived the mean function for prevalence of overweight and obesity combined (i.e. BMI ≥ 25) and the prevalence of obesity alone (i.e. BMI ≥ 30). For prevalence of overweight and obese combined, the following linear model was used:

$$logit(p_{c,a,t}^{ow}) = \beta_0 + \beta_1 \log(Kcal_{pc,t}) + \beta_2 Lat_c + \beta_3 Urban_{c,t} + \sum_{k=4}^{k+16} \beta_k I_{age} + \sum_{k=21}^{k+21} \beta_k I_{region},$$

where $p_{c,a,t}^{ow}$ is the prevalence of overweight and obese combined, the covariates are total kilocalories consumed per year per capita ($Kcal_{pc,t}$). obtained from the Food and Agriculture Organization food balance sheet.[39] Total kilocalories consumed per year per capita is used as a covariate as previous studies have noted a strong connection between food consumption and overweight and obesity[40] In addition, latitude (Lat_c) and urbanicity ($Urban_{c,t}$) as captured by the proportion of country area with population density of 1000 people/km^2 were also included to capture the inter- and intra-country variation in overweight and obesity. Finally, a set of dummy indicators I_{age} and I_{region}were included to capture the age pattern and regional variation respectively.

For prevalence of obesity, $p_{c,a,t}^{ob}$, the following linear model was applied:

$$logit\left(\frac{p_{c,a,t}^{ob}}{p_{c,a,t}^{ow}}\right) = \beta_0 + \beta_1 \log(Kcal_{c,t}) + \beta_2 Lat_c + \beta_3 Urban_{c,t} + \sum_{k=4}^{k+16} \beta_k I_{age} + \sum_{k=21}^{k+21} \beta_k I_{region}$$

Note that the prevalence of obesity was modeled as a fraction of the combined category of overweight and obesity. The rationale for using this strategy was to ensure that the prevalence of obesity does not exceed the combined category of overweight and obesity, which was bound between 0 and 1.

In addition to the model described above we explored models with alternative covariates which capture food consumption, specifically, composite scores $(Food1_{c,t}, Food2_{c,t}, Food3_{c,t}, Food4_{c,t})$ derived using principal component analysis from the diet components estimates in the Food and Agriculture Organization food balance sheet. We also explored models with different combination of covariates. Time was not considered as a covariate in any of the models for several reasons. First, the covariates considered in the models such as $Kcal_{c,t}$, $Food1_{c,t}, Food2_{c,t}, Food3_{c,t}, Food4_{c,t}$ and $Urban_{c,t}$ are functions of time. Inclusion of time as a variable in the models can induce collinearity. Second, the time variable can inappropriately impose a similar time trend on all countries. This is particularly problematic in situations where data are sparse. Third, temporal association among data was captured in the spatio-temporal smoothing step (described in subsequent paragraphs), which allowed nonlinear time trends and variations across countries. The best model was selected based on the in-sample and out-of-sample root mean square error. Webtable 4 summarizes all the models used and fit statistics.

Webtable 4 Comparisons of linear models

Model Specification	**In-sample RMSE**	**Out-of-sample RMSE**
Overweight		
$\boldsymbol{logit(p_{c,a,t}^{ow}) = \beta_0 + \beta_1 \log(Kcal_{pc,t}) + \sum_{k=2}^{k+16} \beta_k I_{age} + \sum_{k=19}^{k+21} \beta_k I_{region}}$	0.102	0.101
$\boldsymbol{logit(p_{c,a,t}^{ow}) = \beta_0 + \beta_1 Food1_{c,t} + \beta_2 Food2_{c,t} + \beta_3 Food3_{c,t} + \beta_4 Food4_{c,t} + \sum_{k=5}^{k+16} \beta_k I_{age} + \sum_{k=22}^{k+21} \beta_k I_{region}}$	0.104	0.103
$\boldsymbol{logit(p_{c,a,t}^{ow}) = \beta_0 + \beta_1 Food1_{c,t} + \beta_2 Food2_{c,t} + \beta_3 Food3_{c,t} + \beta_4 Food4_{c,t} + \beta_5 Lat + \sum_{k=6}^{k+16} \beta_k I_{age} + \sum_{k=23}^{k+21} \beta_k I_{region}}$	0.104	0.103
$\boldsymbol{logit(p_{c,a,t}^{ow}) = \beta_0 + \beta_1 Food1_{c,t} + \beta_2 Food2_{c,t} + \beta_3 Food3_{c,t} + \beta_4 Food4_{c,t} + \beta_5 Lat + \beta_6 Urban + \sum_{k=7}^{k+16} \beta_k I_{age} + \sum_{k=24}^{k+21} \beta_k I_{region}}$	0.103	0.101
$\boldsymbol{logit((p_{c,a,t}^{ow}) = \beta_0 + \beta_1 \log(Kcal_{pc,t}) + \beta_2 Lat_c + \sum_{k=3}^{k+16} \beta_k I_{age} + \sum_{k=20}^{k+21} \beta_k I_{region}}$	0.102	0.101
$\boldsymbol{logit(p_{c,a,t}^{ow}) = \beta_0 + \beta_1 \log(Kcal_{pc,t}) + \beta_2 Lat_c + \beta_3 Urban_{c,t} + \sum_{k=4}^{k+16} \beta_k I_{age} + \sum_{k=21}^{k+21} \beta_k I_{region}}$	0.101	0.100

Model Specification	In-sample RMSE	Out-of-sample RMSE
Obesity		
$$logit\left(\frac{p^{ob}_{c,a,t}}{p^{ow}_{c,a,t}}\right) = \beta_0 + \beta_1 \log(Kcal_{pc,t}) + \sum_{k=2}^{k+16} \beta_k I_{age} + \sum_{k=19}^{k+21} \beta_k I_{region}$$	0.070	0.071
$$logit\left(\frac{p^{ob}_{c,a,t}}{p^{ow}_{c,a,t}}\right) = \beta_0 + \beta_1 Food1_{c,t} + \beta_2 Food2_{c,t} + \beta_3 Food3_{c,t} + \beta_4 Food4_{c,t} + \sum_{k=5}^{k+16} \beta_k I_{age} + \sum_{k=22}^{k+21} \beta_k I_{region}$$	0.071	0.072
$$logit\left(\frac{p^{ob}_{c,a,t}}{p^{ow}_{c,a,t}}\right) = \beta_0 + \beta_1 Food1_{c,t} + \beta_2 Food2_{c,t} + \beta_3 Food3_{c,t} + \beta_4 Food4_{c,t} + \beta_5 Lat + \sum_{k=6}^{k+16} \beta_k I_{age} + \sum_{k=23}^{k+21} \beta_k I_{region}$$	0.071	0.072
$$logit\left(\frac{p^{ob}_{c,a,t}}{p^{ow}_{c,a,t}}\right) = \beta_0 + \beta_1 Food1_{c,t} + \beta_2 Food2_{c,t} + \beta_3 Food3_{c,t} + \beta_4 Food4_{c,t} + \beta_5 Lat + \beta_6 Urban + \sum_{k=7}^{k+16} \beta_k I_{age} + \sum_{k=24}^{k+21} \beta_k I_{region}$$	0.069	0.071
$$logit\left(\frac{p^{ob}_{c,a,t}}{p^{ow}_{c,a,t}}\right) = \beta_0 + \beta_1 \log(Kcal_{pc,t}) + \beta_2 Lat_c + \sum_{k=3}^{k+16} \beta_k I_{age} + \sum_{k=20}^{k+21} \beta_k I_{region}$$	0.070	0.071
$$logit\left(\frac{p^{ob}_{c,a,t}}{p^{ow}_{c,a,t}}\right) = \beta_0 + \beta_1 \log(Kcal_{pc,t}) + \beta_2 Lat_c + \beta_3 Urban_{c,t} + \sum_{k=4}^{k+16} \beta_k I_{age} + \sum_{k=21}^{k+21} \beta_k I_{region}$$	0.069	0.069

While the linear component captures the general trend in overweight/obesity prevalence, some of the data variability is still not adequately accounted for. The smoothing function $h(r_{c,a,s,t})$ aims to systematically estimate this residual variability by borrowing strength across time, age and space patterns. To be more specific, a locally weighted polynomial regression (LOESS) was applied to the residuals ($r_{c,a,s,t}$) from the linear model. The weights for LOESS were calculated according to three dimensions: time, age and space. The time adjustment parameter, defined by λ, aims to allow borrowing strength from neighboring time points. The age adjustment parameter, defined by ω, aims to allow borrowing strength from data in neighboring age groups. Finally, the space adjustment parameter, defined by ζ, aims to allow borrowing strength across countries within the same region. For the situation at hand, these parameters are set at 0.9, 1.5, and 2, respectively. To elaborate, let $w_{c,a,s,t}$ be the final weight assigned to observation ($r_{c,a,s,t}$) with reference to the focal observation (r_{c_0,a_0,s_0,t_0}).[41,42] First, we generated a preliminary weight ($w'_{c,a,s,t}$) for smoothing over time. The weight is based on a scaled distance along the time dimension of the two observations, in particular the distance between time *t* of the observation $r_{c,a,s,t}$ and time t_0 of the focal observation r_{c_0,a_0,s_0,t_0}.

$$w'_{c,a,s,t} = \left(1 - \left(\frac{|t - t_0|}{1 + max|t - t_0|}\right)^{\lambda}\right)^3$$

Second, we generated an additional preliminary weight ($w''_{c,a,s,t}$) for smoothing over age, which is based on a scaled distance along the age dimension of two observations, in particular the distance between the age *a* of the observation $r_{c,a,s,t}$ and age a_0 of the focal observation r_{c_0,a_0,s_0,t_0}. The weight is defined as follows:

$$w''_{c,a,s,t} = \frac{1}{e^{\omega \cdot |a-a_0|}}$$

Finally, the time and age weights derived above are multiplied and further adjusted to account for the spatial pattern. Specifically, we defined spatial relationship by categorizing data into three groups: 1) observations from the same country, 2) observations from different countries but the same GBD region, 3) observations from different regions. We put the most weight on observations coming from the same country. Specifically, weights for each category are derived as follows:

1) If the country, c, of the observation $r_{c,a,s,t}$ is identical to the country, c_0, of the focal observation r_{c_0,a_0,s_0,t_0}:

$$w_{c,a,s,t} = \frac{\zeta(w'_{c,a,s,t} \cdot w''_{c,a,s,t})}{\sum_{c=c_0} w'_{c,a,s,t} \cdot w''_{c,a,s,t}} \qquad \forall\ c = c_0$$

2) If the country, c, of the observation $r_{c,a,s,t}$ is different from the country, c_0, of the focal observation r_{c_0,a_0,s_0,t_0}, but both countries belong to the same region R:

$$w_{c,a,s,t} = \frac{(1-\zeta)(w'_{c,a,s,t} \cdot w''_{c,a,s,t})}{\sum_{c \neq c_0} w'_{c,a,s,t} \cdot w''_{c,a,s,t}} \qquad \forall\ c \neq c_0 \cap\ R[c] = R[c_0]$$

3) If the country, c, of the observation $r_{c,a,s,t}$ is different from the country, c_0, of the focal observation r_{c_0,a_0,s_0,t_0}, and they do not belong to the same region R:

$$w_{c,a,s,t} = 0 \qquad \forall\ R[c] \neq R[c_0]$$

This weighting strategy has been applied previous in various studies, where more details can be found.[43]

Defining the covariance for the Gaussian Process Regression

Another key component in GPR is the covariance function, which defines the shape and distribution of trends. In this study, we applied the Matern covariance function, which offers flexibility to model a wide spectrum of trends with varying degrees of smoothness. The function is defined as:

$$M(t,t') = \sigma^2 \frac{2^{1-\nu}}{\Gamma(\nu)} \left(\frac{d(t,t')\sqrt{2\nu}}{l} \right)^{\nu} K_\nu \left(\frac{d(t,t')\sqrt{2\nu}}{l} \right)$$

where $d(\cdot)$ is a distance function; σ^2, ν, l, and K_ν are the hyperparameters of the covariance function; σ^2 is the marginal variance; ν is the smoothness parameter that defines the differentiability of the function; l is the length scale, which roughly defines the distance between which two points become uncorrelated; and K_ν is the Bessel function. Based on previous applications of GPR,[43] we approximated σ^2 by $MADN(r'_{c,a,s,t})$, which is the normalized median absolute deviation of the residuals from the smoothing step for each country. For this application, ν is set to 2 and l is set to 10.

Prediction using Gaussian Process Regression

Based on the specification above, to predict the time series of prevalence of overweight/obesity for country *c*, age *a*, and sex *s* for time t_*, we integrated over $g_{c,a,s}(t_*)$ to obtain the following:

$$logit(p_{c,a,s,t_*}) \sim N\left(m_{c,a,s}(t_*), \sigma_p^2 I + Cov\left(g_{c,a,s}(t_*)\right)\right)$$

Random draws of 1,000 samples were obtained from the distributions above for every country, age, and sex group. The final estimated prevalence for each country, age, and sex group was the mean of the draws. In addition, uncertainty intervals were obtained by taking the 2.5 and 97.5 percentiles of the samples. Note that the entire process was conducted in logit scale, all values were back-transformed to the original scale. The analysis was implemented though PyMC package in Python.

Section 7. Cross-Validation

To assess the accuracy of our estimates, we carried out cross-validation by randomly holding out 20% of the sample from the measured data, 10 separate times. We specifically held out measured data as they were considered as the "gold-standard." We computed the average root mean squared errors (RMSE) and the coverage of the 95% prediction intervals. The results are shown in Webtable 5. The RMSE for the training set (which contained both measured and self-report data) and test set (which contained only measured data) for the estimation of overweight prevalence were 0.048 and 0.063 respectively. Compared with the RMSE from the original fit with the full dataset, which was 0.059, these results indicated that our models have reasonable out-of-sample prediction accuracy. Similarly for the estimation of obesity prevalence, the RMSE for the training set was 0.036 and for test set was 0.047 compared with that of the full dataset which was 0.043. The RMSE from the test set was not markedly different from that of the full dataset.

Furthermore, we evaluated the validity of our uncertainty estimate by examining the coverage of the 95% prediction intervals. The coverage of prediction intervals for the test set was calculated by the proportion of hold-out sample (i.e. the test set) that was included within the intervals. The coverage of the prediction intervals for the training and full datasets were calculated by the proportion of the in-sample data that was included in the intervals. As shown in Webtable 5, for prevalence of overweight the coverage of prediction intervals for the training and full data was 97.1% and 95.9%, respectively. The coverage of the prediction intervals for the test set was 93.8, which was less than the in-sample coverage, but still close to the nominal level. Similarly for prevalence of overweight, the overage of prediction intervals for the training and full data was 95.6% and 94.5%, respectively. The coverage of the prediction intervals for the test set was 92.3%, which was reasonably close to the desired coverage level.

Webtable 5: Root mean squared error and the coverage of 95% prediction intervals for training set, test set and all data. Cross-validation was carried out 10 times.

a. Prevalence of overweight

	RMSE	95% Prediction intervals coverage
Training set	0.048	97.1%
Test set (measured data only)	0.063	93.8%

	RMSE	95% Prediction intervals coverage
Full dataset	0.059	95.9%

b. Prevalence of obesity

	RMSE	95% Prediction intervals coverage
Training set	0.036	95.6%
Test set (measured data only)	0.047	92.3%
Full dataset	0.043	94.5%

Section 8. Sensitivity Analysis

Adjusted self-report data were included in our analysis. To assess the adequacy of our correction and the potential bias induced by inclusions of self-report data, a sensitivity analysis was carried out in which all self-report data were excluded. Webtable 6 compares the root mean squared error (RMSE) for predicting *measured* prevalence of overweight and obesity using models based on full dataset (with both self-report and measured data) and model based on measured data only. The RMSE based on model using only measured dataset was 0.0477 for overweight and 0.0361 for obesity, compared to the RMSE based on our current model using both self-report and measured data which were 0.0481 for overweight and 0.0364 for obesity. The differences were negligible. Furthermore, correlation analysis suggested high association between the estimated prevalence based on the full dataset and that based on the measured dataset. Pearson's correlation coefficients were 0.96 for both overweight and obesity.

Webtable 6: Root mean squared error in prediction of measured prevalence using the current model (based on both self-report and measured data) and alternative model (based solely on measured data).

	RMSE	
Model	Overweight	Obesity
Full dataset (both self-report and measured)	0.0481	0.0364
Measured data only	0.0477	0.0361

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Webtable 7: List of sources used in the current analysis

Country Name	Survey Name	Years
Afghanistan	Multiple Indicator Cluster Survey (MICS)	2010
Albania	Multiple Indicator Cluster Survey (MICS)	2000, 2005
Albania	Demographic and Health Survey (DHS)	2008
Albania	World Bank - Living Standards and Measurement Survey (LSMS)	2002
Albania	Borici S, Agaoglu NB, Baykan OA, Agirbasli M. Blood pressure and anthropometric measurements in Albanian versus Turkish children and adolescents. Acta Cardiol. 2009 Dec;64(6):747–54.	2007
Algeria	STEPS Noncommunicable Disease Risk Factors Survey	2003
Algeria	WHO STEPS Global School-Based Health Survey (GSHS)	2010
American Samoa	Davison N, Fanolua S, Rosaine M, Vargo DL. Assessing overweight and obesity in American Samoan adolescents. Pac Health Dialog. 2007 Sep;14(2):55–61.	2005
Andorra	ENSA - National Health Survey	1991, 1997, 2002, 2004, 2011
Angola	Multiple Indicator Cluster Survey (MICS)	2001
Argentina	WHO STEPS Global School-Based Health Survey (GSHS)	2007
Armenia	Demographic and Health Survey (DHS)	2000, 2005, 2010
Armenia	Health Behaviour in School-Aged Children 2009/2010	2009
Australia	Australia Risk Prevalence Survey	1989

Country Name	Survey Name	Years
Australia	Australia Longitudinal Study of Children 2009-2010	2004, 2006, 2008, 2010
Australia	World Health Survey (WHS)	2003
Australia	Australia Diabetes Obesity and Lifestyle Study	1999, 2004
Australia	Australia National Health Survey	1995, 2001, 2004, 2007, 2011
Australia	International Social Survey Programme (ISSP)	2012
Australia	Australia Nutrition Survey	1995
Australia	Ackerman IN, Osborne RH. Obesity and increased burden of hip and knee joint disease in Australia: results from a national survey. BMC Musculoskelet Disord. 2012;13:254.	2009
Australia	Booth ML, Dobbins T, Okely AD, Denney-Wilson E, Hardy LL. Trends in the prevalence of overweight and obesity among young Australians, 1985, 1997, and 2004. Obesity (Silver Spring). 2007 May;15(5):1089–95.	2004
Australia	Booth ML, Okely AD, Denney-Wilson E. Validation and application of a novel method of measuring non-response bias in school-based surveys of paediatric overweight and obesity. Int J Pediatr Obes. 2011 Jun;6(2-2):e87–93.	2004
Australia	Booth ML, Wake M, Armstrong T, Chey T, Hesketh K, Mathur S. The epidemiology of overweight and obesity among Australian children and adolescents, 1995-97. Aust N Z J Public Health. 2001 Apr;25(2):162–9.	1997

Country Name	Survey Name	Years
Australia	Davies CA, Vandelanotte C, Duncan MJ, van Uffelen JGZ. Associations of physical activity and screen-time on health related quality of life in adults. Prev Med. 2012 Jul;55(1):46–9.	2008
Australia	Goldney RD, Dunn KI, Air TM, Dal Grande E, Taylor AW. Relationships between body mass index, mental health, and suicidal ideation: population perspective using two methods. Aust N Z J Psychiatry. 2009 Jul;43(7):652–8.	2002, 2008
Australia	Hardy LL, Grunseit A, Khambalia A, Bell C, Wolfenden L, Milat AJ. Co-occurrence of obesogenic risk factors among adolescents. J Adolesc Health. 2012 Sep;51(3):265–71.	2007
Australia	Hesketh K, Wake M, Waters E, Carlin J, Crawford D. Stability of body mass index in Australian children: a prospective cohort study across the middle childhood years. Public Health Nutr. 2004 Apr;7(2):303–9.	1997, 2000
Australia	Holden CA, McLachlan RI, Pitts M, Cumming R, Wittert G, Ehsani JP, de Kretser DM, Handelsman DJ. Determinants of male reproductive health disorders: the Men in Australia Telephone Survey (MATeS). BMC Public Health. 2010;10:96.	2003
Australia	Khambalia A, Hardy LL, Bauman A. Accuracy of weight perception, life-style behaviours and psychological distress among overweight and obese adolescents. J Paediatr Child Health. 2012 Mar;48(3):220–7.	2008

Country Name	Survey Name	Years
Australia	Kortt MA, Dollery B. Association between body mass index and health-related quality of life among an Australian sample. Clin Ther. 2011 Oct;33(10):1466–74.	2007, 2009
Australia	Magarey AM, Daniels LA, Boulton TJ. Prevalence of overweight and obesity in Australian children and adolescents: reassessment of 1985 and 1995 data against new standard international definitions. Med. J. Aust. 2001 Jun 4;174(11):561–4.	1985
Australia	Markwick A, Vaughan L, Ansari Z. Opposing socioeconomic gradients in overweight and obese adults. Aust N Z J Public Health. 2013 Feb;37(1):32–8.	2008
Australia	Morley BC, Scully ML, Niven PH, Okely AD, Baur LA, Pratt IS, Wakefield MA, NaSSDA Study Team. What factors are associated with excess body weight in Australian secondary school students? Med. J. Aust. 2012 Feb 20;196(3):189–92.	2009
Australia	O'Dea JA, Amy NK. Perceived and desired weight, weight related eating and exercising behaviours, and advice received from parents among thin, overweight, obese or normal weight Australian children and adolescents. Int J Behav Nutr Phys Act. 2011;8:68.	2006

Country Name	Survey Name	Years
Australia	Patton GC, Coffey C, Carlin JB, Sawyer SM, Williams J, Olsson CA, Wake M. Overweight and obesity between adolescence and young adulthood: a 10-year prospective cohort study. J Adolesc Health. 2011 Mar;48(3):275–80.	1993, 1998, 2001
Australia	Renzaho A, Wooden M, Houng B. Associations between body mass index and health-related quality of life among Australian adults. Qual Life Res. 2010 May;19(4):515–20.	2001
Australia	Sanigorski AM, Bell AC, Kremer PJ, Swinburn BA. High childhood obesity in an Australian population. Obesity (Silver Spring). 2007 Aug;15(8):1908–12.	2003
Australia	Shi Z, Taylor AW, Gill TK, Tuckerman J, Adams R, Martin J. Short sleep duration and obesity among Australian children. BMC Public Health. 2010;10:609.	2004
Australia	Siu J, Giskes K, Shaw J, Turrell G. Perceived weight status may contribute to education inequalities in five-year weight change among mid-aged women. Aust N Z J Public Health. 2011 Jun;35(3):284–91.	1999
Australia	Tai A, Volkmer R, Burton A. Association between asthma symptoms and obesity in preschool (4-5 year old) children. J Asthma. 2009 May;46(4):362–5.	2006

Country Name	Survey Name	Years
Australia	Vaska V, Volkmer R. Increasing prevalence of obesity in South Australian 4-year-olds: 1995-2002. J Paediatr Child Health. 2004 Jul;40(7):353–5.	1995-2002
Australia	Wake M, Hardy P, Canterford L, Sawyer M, Carlin JB. Overweight, obesity and girth of Australian preschoolers: prevalence and socio-economic correlates. Int J Obes (Lond). 2007 Jul;31(7):1044–51.	2004
Australia	Wake M, Hardy P, Sawyer MG, Carlin JB. Comorbidities of overweight/obesity in Australian preschoolers: a cross-sectional population study. Arch. Dis. Child. 2008 Jun;93(6):502–7.	2004
Austria	Austrian Health Survey	1999, 2006
Austria	Health Behaviour in School-Aged Children 2001/2002	2001, 2005, 2009
Austria	Eurobarometer	2005
Austria	Survey of Health, Ageing and Retirement in Europe (SHARE)	2004, 2007, 2011
Austria	International Social Survey Programme (ISSP)	2007
Austria	Österreichische Ernährungsbericht [Austrian Nutrition Report]	2008
Austria	Ottova V, Erhart M, Rajmil L, Dettenborn-Betz L, Ravens-Sieberer U. Overweight and its impact on the health-related quality of life in children and adolescents: results from the European KIDSCREEN survey. Qual Life Res. 2012 Feb;21(1):59–69.	2003

Country Name	Survey Name	Years
Austria	Schwarz B, Bischof HP, Kunze M. Overweight and coronary risk factors results from a western Austrian survey. Soz Praventivmed. 1991;36(6):322–6.	1986
Austria	Yngve A, De Bourdeaudhuij I, Wolf A, Grjibovski A, Brug J, Due P, Ehrenblad B, Elmadfa I, Franchini B, Klepp K-I, Poortvliet E, Rasmussen M, Thorsdottir I, Perez Rodrigo C. Differences in prevalence of overweight and stunting in 11-year olds across Europe: The Pro Children Study. Eur J Public Health. 2008 Apr;18(2):126–30.	2003
Azerbaijan	Multiple Indicator Cluster Survey (MICS)	2000
Azerbaijan	Azerbaijan Reproductive Health Survey 2001	2001
Azerbaijan	Demographic and Health Survey (DHS)	2006
Bahrain	National Nutrition Survey	2002
Bahrain	STEPS Noncommunicable Disease Risk Factors Survey	2007
Bahrain	Al-Raees GY, Al-Amer MA, Musaiger AO, D'Souza R. Prevalence of overweight and obesity among children aged 2-5 years in Bahrain: a comparison between two reference standards. Int J Pediatr Obes. 2009;4(4):414–6.	2006
Bahrain	Al-Sendi AM, Shetty P, Musaiger AO. Prevalence of overweight and obesity among Bahraini adolescents: a comparison between three different sets of criteria. Eur J Clin Nutr. 2003 Mar;57(3):471–4.	2000

Country Name	Survey Name	Years
Bahrain	Musaiger AO, Al-Mannai MA. Weight, height, body mass index and prevalence of obesity among the adult population in Bahrain. Ann. Hum. Biol. 2001 Jun;28(3):346–50.	1988
Bangladesh	STEPS Noncommunicable Disease Risk Factors Survey	2009
Bangladesh	Demographic and Health Survey (DHS)	1996, 1999, 2004, 2007, 2011
Bangladesh	BRAVE Study from Chowdbury et al	2012
Barbados	STEPS Noncommunicable Disease Risk Factors Survey	2007
Barbados	Gaskin PS, Broome H, Alert C, Fraser H. Misperceptions, inactivity and maternal factors may drive obesity among Barbadian adolescents. Public Health Nutr. 2008 Jan;11(1):41–8.	2004
Barbados	Nemesure B, Wu S-Y, Hennis A, Leske MC. Nine-year incidence of obesity and overweight in an African-origin population. Int J Obes (Lond). 2008 Feb;32(2):329–35.	1987, 1997
Barbados	Barbados Food Consumption and Anthropometric Survey	2000
Belarus	Multiple Indicator Cluster Survey (MICS)	2005
Belgium	Health Behaviour in School-Aged Children	2001, 2005, 2009
Belgium	Eurobarometer	1989, 2005
Belgium	Survey of Health, Ageing and Retirement in Europe (SHARE)	2004, 2007, 2011
Belgium	Health Interview Survey	1997, 2001, 2004, 2008

Country Name	Survey Name	Years
Belgium	Belgium Food Consumption Survey 2004	2004
Belgium	Brug J, van Stralen MM, Te Velde SJ, Chinapaw MJM, De Bourdeaudhuij I, Lien N, Bere E, Maskini V, Singh AS, Maes L, Moreno L, Jan N, Kovacs E, Lobstein T, Manios Y. Differences in weight status and energy-balance related behaviors among schoolchildren across Europe: the ENERGY-project. PLoS ONE. 2012;7(4):e34742.	2010
Belgium	Duvigneaud N, Wijndaele K, Matton L, Deriemaeker P, Philippaerts R, Lefevre J, Thomis M, Duquet W. Socio-economic and lifestyle factors associated with overweight in Flemish adult men and women. BMC Public Health. 2007;7:23.	2002
Belgium	Lin Y, Bolca S, Vandevijvere S, De Vriese S, Mouratidou T, De Neve M, Polet A, Van Oyen H, Van Camp J, De Backer G, De Henauw S, Huybrechts I. Plant and animal protein intake and its association with overweight and obesity among the Belgian population. Br. J. Nutr. 2011 Apr;105(7):1106–16.	2004
Belgium	Roskam A-JR, Kunst AE. The predictive value of different socio-economic indicators for overweight in nine European countries. Public Health Nutr. 2008 Dec;11(12):1256–66.	2000

Country Name	Survey Name	Years
Belgium	Stam-Moraga MC, Kolanowski J, Dramaix M, De Backer G, Kornitzer MD. Sociodemographic and nutritional determinants of obesity in Belgium. Int. J. Obes. Relat. Metab. Disord. 1999 Feb;23 Suppl 1:1–9.	1979
Belgium	Wijnhoven TMA, van Raaij JMA, Spinelli A, Rito AI, Hovengen R, Kunesova M, Starc G, Rutter H, Sjöberg A, Petrauskiene A, O'Dwyer U, Petrova S, Farrugia Sant'angelo V, Wauters M, Yngve A, Rubana I-M, Breda J. WHO European Childhood Obesity Surveillance Initiative 2008: weight, height and body mass index in 6-9-year-old children. Pediatr Obes. 2013 Apr;8(2):79–97.	2007
Belgium	Yngve A, De Bourdeaudhuij I, Wolf A, Grjibovski A, Brug J, Due P, Ehrenblad B, Elmadfa I, Franchini B, Klepp K-I, Poortvliet E, Rasmussen M, Thorsdottir I, Perez Rodrigo C. Differences in prevalence of overweight and stunting in 11-year olds across Europe: The Pro Children Study. Eur J Public Health. 2008 Apr;18(2):126–30.	2003
Belize	Iniciativa Centroamericana de Diabetes (CAMDI)	2005
Belize	Multiple Indicator Cluster Survey (MICS)	2006, 2011
Benin	WHO STEPS Global School-Based Health Survey (GSHS)	2009
Benin	Demographic and Health Survey (DHS)	1996, 2001, 2006
Bhutan	Multiple Indicator Cluster Survey (MICS)	2010

Country Name	Survey Name	Years
Bolivia	Demographic and Health Survey (DHS)	1989, 1993, 1998, 2003, 2008
Bosnia and Herzegovina	Multiple Indicator Cluster Survey (MICS)	2000, 2006, 2011
Bosnia and Herzegovina	Federation of Bosnia and Herzegovina Noncommunicable Disease Risk Factor Survey 2002	2002
Bosnia and Herzegovina	World Health Survey (WHS)	2003
Bosnia and Herzegovina	Pilav A, Nissinen A, Haukkala A, Niksic D, Laatikainen T. Cardiovascular risk factors in the Federation of Bosnia and Herzegovina. Eur J Public Health. 2007 Feb;17(1):75–9.	2002
Botswana	STEPS Noncommunicable Disease Risk Factors Survey	2007
Brazil	World Bank - Living Standards and Measurement Survey (LSMS)	1996
Brazil	Demographic and Health Survey (DHS)	1986, 1996
Brazil	VIGILÂNCIA DE FATORES DE RISCO E PROTEÇÃO PARA DOENÇAS CRÔNICAS POR INQUÉRITO TELEFÔNICO (VIGITEL) [Surveillance of Risk Factors for Chronic Diseases and Protection by Telephone Survey (VIGITEL)]	2006, 2007, 2008, 2009, 2010, 2011, 2012
Brazil	Demographic and Health Survey	2006
Brazil	Risk Factor Morbidity NCD Survey	2002, 2003, 2004, 2005
Brazil	Abrantes MM, Lamounier JA, Colosimo EA. Prevalência de sobrepeso e obesidade nas regiões Nordeste e Sudeste do Brasil. Revista da Associação Médica Brasileira (1992). 2003;49(2).	1997

Country Name	Survey Name	Years
Brazil	Dalla Vecchia CF, Susin C, Rösing CK, Oppermann RV, Albandar JM. Overweight and obesity as risk indicators for periodontitis in adults. J. Periodontol. 2005 Oct;76(10):1721–8.	2001
Brazil	Jaime PC, Duran AC, Sarti FM, Lock K. Investigating environmental determinants of diet, physical activity, and overweight among adults in Sao Paulo, Brazil. J Urban Health. 2011 Jun;88(3):567–81.	2003
Bulgaria	Health Behaviour in School-Aged Children 2005/2006	2005
Bulgaria	Eurobarometer	2005
Bulgaria	International Social Survey Programme (ISSP)	2007, 2011
Bulgaria	European Health Interview Survey	2008
Bulgaria	Wijnhoven TMA, van Raaij JMA, Spinelli A, Rito AI, Hovengen R, Kunesova M, Starc G, Rutter H, Sjöberg A, Petrauskiene A, O'Dwyer U, Petrova S, Farrugia Sant'angelo V, Wauters M, Yngve A, Rubana I-M, Breda J. WHO European Childhood Obesity Surveillance Initiative 2008: weight, height and body mass index in 6-9-year-old children. Pediatr Obes. 2013 Apr;8(2):79–97.	2007
Burkina Faso	Multiple Indicator Cluster Survey (MICS)	2006
Burkina Faso	Demographic and Health Survey (DHS)	1992, 1998, 2003, 2010
Burundi	Demographic and Health Survey (DHS)	1987, 2010
Burundi	Multiple Indicator Cluster Survey (MICS)	2000
Cambodia	Cambodia Anthropometric Survey (CAS)	2008

Country Name	Survey Name	Years
Cambodia	STEPS Noncommunicable Disease Risk Factors Survey	2010
Cambodia	Demographic and Health Survey (DHS)	2000, 2005, 2010
Cameroon	Multiple Indicator Cluster Survey (MICS)	2006
Cameroon	Demographic and Health Survey (DHS)	1991, 1998, 2004, 2011
Cameroon	Fezeu L, Minkoulou E, Balkau B, Kengne A-P, Awah P, Unwin N, Alberti GKMM, Mbanya J-C. Association between socioeconomic status and adiposity in urban Cameroon. Int J Epidemiol. 2006 Feb;35(1):105–11.	2000
Canada	National Population Health Survey	1994, 1996, 1998
Canada	Canada Heart Health Database	1989
Canada	Canadian Community Health Survey	2000, 2003, 2004, 2005, 2008, 2009, 2010, 2011, 2012
Canada	Canadian Health Measures Survey (CHMS)	2004, 2007, 2009
Canada	Health Behaviour in School-Aged Children	2001, 2005, 2009
Canada	Canning PM, Courage ML, Frizzell LM. Prevalence of overweight and obesity in a provincial population of Canadian preschool children. CMAJ. 2004 Aug 3;171(3):240–2.	2002
Canada	Herman KM, Craig CL, Gauvin L, Katzmarzyk PT. Tracking of obesity and physical activity from childhood to adulthood: the Physical Activity Longitudinal Study. Int J Pediatr Obes. 2009;4(4):281–8.	2002

Country Name	Survey Name	Years
Canada	Herman KM, Hopman WM, Craig CL. Are youth BMI and physical activity associated with better or worse than expected health-related quality of life in adulthood? The Physical Activity Longitudinal Study. Qual Life Res. 2010 Apr;19(3):339–49.	2002
Canada	Janssen I, Boyce WF, Simpson K, Pickett W. Influence of individual- and area-level measures of socioeconomic status on obesity, unhealthy eating, and physical inactivity in Canadian adolescents. Am. J. Clin. Nutr. 2006 Jan;83(1):139–45.	2001
Canada	Joffres MR, Hamet P, Rabkin SW, Gelskey D, Hogan K, Fodor G. Prevalence, control and awareness of high blood pressure among Canadian adults. Canadian Heart Health Surveys Research Group. CMAJ. 1992 Jun 1;146(11):1997–2005.	1986
Canada	Simen-Kapeu A, Kuhle S, Veugelers PJ. Geographic differences in childhood overweight, physical activity, nutrition and neighbourhood facilities: implications for prevention. Can J Public Health. 2010 Apr;101(2):128–32.	2008

Country Name	Survey Name	Years
Canada	Tudor-Locke C, Craig CL, Cameron C, Griffiths JM. Canadian children's and youth's pedometer-determined steps/day, parent-reported TV watching time, and overweight/obesity: the CANPLAY Surveillance Study. Int J Behav Nutr Phys Act. 2011;8:66.	2005
Canada	Veugelers P, Sithole F, Zhang S, Muhajarine N. Neighborhood characteristics in relation to diet, physical activity and overweight of Canadian children. Int J Pediatr Obes. 2008;3(3):152–9.	2003
Canada	Wu XY, Ohinmaa A, Veugelers PJ. Diet quality, physical activity, body weight and health-related quality of life among grade 5 students in Canada. Public Health Nutr. 2012 Jan;15(1):75–81.	2008
Cape Verde	STEPS Noncommunicable Disease Risk Factors Survey	2007
Central African Republic	Demographic and Health Survey (DHS)	1994
Central African Republic	Multiple Indicator Cluster Survey (MICS)	2000, 2006, 2010
Chad	Multiple Indicator Cluster Survey (MICS)	2000
Chad	Demographic and Health Survey (DHS)	1996, 2004
Chile	Chile National Health Survey	2003, 2009
Chile	International Social Survey Programme (ISSP)	2011
China	WHO Multicountry Survey on Health and Health System Responsiveness	2000
China	China Health and Nutrition Survey	1989, 1991, 1993, 1997, 2000, 2004, 2006, 2009

Country Name	Survey Name	Years
China	WHO Study on Global Ageing and Adult Health (SAGE)	2007
China	China Health and Family Life Survey 1999-2000	1999
China	Chen Z, Yang G, Zhou M, Smith M, Offer A, Ma J, Wang L, Pan H, Whitlock G, Collins R, Niu S, Peto R. Body mass index and mortality from ischaemic heart disease in a lean population: 10 year prospective study of 220,000 adult men. Int J Epidemiol. 2006 Feb;35(1):141–50.	1990
China	Gu D, Reynolds K, Wu X, Chen J, Duan X, Reynolds RF, Whelton PK, He J, InterASIA Collaborative Group. Prevalence of the metabolic syndrome and overweight among adults in China. Lancet. 2005 Apr 16;365(9468):1398–405.	2000
China	Jiang J, Rosenqvist U, Wang H, Greiner T, Ma Y, Toschke AM. Risk factors for overweight in 2- to 6-year-old children in Beijing, China. Int J Pediatr Obes. 2006;1(2):103–8.	2004
China	Ko GTC, Ozaki R, Wong GWK, Kong APS, So W-Y, Tong PCY, Chan MHM, Ho C-S, Lam CWK, Chan JCN. The problem of obesity among adolescents in Hong Kong: a comparison using various diagnostic criteria. BMC Pediatr. 2008;8:10.	2003
China	Li Y, Schouten EG, Hu X, Cui Z, Luan D, Ma G. Obesity prevalence and time trend among youngsters in China, 1982-2002. Asia Pac J Clin Nutr. 2008;17(1):131–7.	1982

Country Name	Survey Name	Years
China	Reynolds K, Gu D, Whelton PK, Wu X, Duan X, Mo J, He J, InterASIA Collaborative Group. Prevalence and risk factors of overweight and obesity in China. Obesity (Silver Spring). 2007 Jan;15(1):10–8.	2000
China	Sakai R. Relationship between prevalence of childhood obesity in 17-year-olds and socioeconomic and environmental factors: prefecture-level analysis in Japan. Asia Pac J Public Health. 2013 Mar;25(2):159–69.	2008
China	Wildman RP, Gu D, Muntner P, Wu X, Reynolds K, Duan X, Chen C-S, Huang G, Bazzano LA, He J. Trends in overweight and obesity in Chinese adults: between 1991 and 1999-2000. Obesity (Silver Spring). 2008 Jun;16(6):1448–53.	1991, 1999
China	Wong JPS, Ho SY, Lai MK, Leung GM, Stewart SM, Lam TH. Overweight, obesity, weight-related concerns and behaviours in Hong Kong Chinese children and adolescents. Acta Paediatr. 2005 May;94(5):595–601.	2002
China	Xiong F, Garnett SP, Cowell CT, Biesheuvel C, Zeng Y, Long C-L, Wang Q, Wang D-G, Luo Y-H, Luo S-Q. Waist circumference and waist-to-height ratio in Han Chinese children living in Chongqing, south-west China. Public Health Nutr. 2011 Jan;14(1):20–6.	2004

Country Name	Survey Name	Years
China	Zhang Y-X, Wang S-R. Differences in development and the prevalence of obesity among children and adolescents in different socioeconomic status districts in Shandong, China. Ann. Hum. Biol. 2012 Jul;39(4):290–6.	2010
China	Behavioral Risk Factor Surveillance System (BRFSS)	2004, 2007, 2010
Colombia	Colombia National Health Survey	2007
Colombia	STEPS Noncommunicable Disease Risk Factors Survey	2010
Colombia	WHO Multicountry Survey on Health and Health System Responsiveness	2000
Colombia	Demographic and Health Survey (DHS)	1986, 1995, 2000, 2004, 2009
Colombia	National Survey on the Nutrional Situation	2005, 2010
Comoros	STEPS Noncommunicable Disease Risk Factors Survey	2011
Comoros	Multiple Indicator Cluster Survey (MICS)	2000
Comoros	Demographic and Health Survey (DHS)	1996
Congo	Demographic and Health Survey (DHS)	2005, 2011
Cook Islands	WHO STEPS Global School-Based Health Survey (GSHS)	2011
Costa Rica	Costa Rica Longevity and Healthy Aging Study (CRELES)	2005, 2007
Costa Rica	WHO STEPS Global School-Based Health Survey (GSHS)	2009
Cote d'Ivoire	STEPS Noncommunicable Disease Risk Factors Survey	2005
Cote d'Ivoire	Demographic and Health Survey (DHS)	1994, 1998, 2011

Country Name	Survey Name	Years
Cote d'Ivoire	World Bank - Living Standards and Measurement Survey (LSMS)	1986, 1987, 1988
Cote d'Ivoire	Multiple Indicator Cluster Survey (MICS)	2006
Croatia	Croatia Adult Health Survey 2003	2003
Croatia	Eurobarometer	2005
Croatia	Health Behaviour in School-Aged Children	2001, 2005, 2009
Croatia	World Health Survey (WHS)	2003
Croatia	International Social Survey Programme (ISSP)	2011
Croatia	Ranilovic' J, Markovina J, Znidar K, Colic' Baric' I. Attitudes to healthy eating among a representative sampling of Croatian adults: a comparison with Mediterranean countries. Int J Food Sci Nutr. 2009;60 Suppl 7:11–29.	2006
Cuba	Berdasco A. Body mass index values in the Cuban adult population. Eur J Clin Nutr. 1994 Nov;48 Suppl 3:S155–163; discussion S164.	1982
Cyprus	European Health Interview Survey	2008
Cyprus	Eurobarometer	2005
Cyprus	Lazarou C, Soteriades ES. Children's physical activity, TV watching and obesity in Cyprus: the CYKIDS study. Eur J Public Health. 2010 Feb;20(1):70–7.	2005
Cyprus	Savva SC, Tornaritis M, Chadjigeorgiou C, Kourides YA, Savva ME, Panagi A, Chrictodoulou E, Kafatos A. Prevalence and socio-demographic associations of undernutrition and obesity among preschool children in Cyprus. Eur J Clin Nutr. 2005 Nov;59(11):1259–65.	2004

Country Name	Survey Name	Years
Czech Republic	World Health Survey (WHS)	2003
Czech Republic	Czech Republic Sample Survey of the Health Status of the Czech Population	1999, 2002
Czech Republic	Sample Survey of the Health Status of the Czech Population	1993, 1996
Czech Republic	European Health Interview Survey (EHIS) in the Czech Republic	2008
Czech Republic	International Social Survey Programme (ISSP)	2012
Czech Republic	Survey of Health, Ageing and Retirement in Europe (SHARE)	2007, 2011
Czech Republic	Eurobarometer	2005
Czech Republic	Health Behaviour in School-Aged Children	2001, 2005, 2009
Czech Republic	Reproductive Health Survey (RHS)	1993
Czech Republic	Kunešová M, Vignerová J, Par(ízková J, Procházka B, Braunerová R, Riedlová J, Zamrazilová H, Hill M, Bláha P, Steflová A. Long-term changes in prevalence of overweight and obesity in Czech 7-year-old children: evaluation of different cut-off criteria of childhood obesity. Obes Rev. 2011 Jul;12(7):483–91.	2008
Czech Republic	Ottova V, Erhart M, Rajmil L, Dettenborn-Betz L, Ravens-Sieberer U. Overweight and its impact on the health-related quality of life in children and adolescents: results from the European KIDSCREEN survey. Qual Life Res. 2012 Feb;21(1):59–69.	2003

Country Name	Survey Name	Years
Czech Republic	Wijnhoven TMA, van Raaij JMA, Spinelli A, Rito AI, Hovengen R, Kunesova M, Starc G, Rutter H, Sjöberg A, Petrauskiene A, O'Dwyer U, Petrova S, Farrugia Sant'angelo V, Wauters M, Yngve A, Rubana I-M, Breda J. WHO European Childhood Obesity Surveillance Initiative 2008: weight, height and body mass index in 6-9-year-old children. Pediatr Obes. 2013 Apr;8(2):79–97.	2007
Democratic Republic of the Congo	Multiple Indicator Cluster Survey (MICS)	2001, 2010
Democratic Republic of the Congo	STEPS Noncommunicable Disease Risk Factors Survey	2005
Democratic Republic of the Congo	Demographic and Health Survey (DHS)	2007
Denmark	Eurobarometer	1989, 2005
Denmark	International Social Survey Programme (ISSP)	2013
Denmark	Health Behaviour in School-Aged Children	2001, 2005, 2009
Denmark	Denmark Health and Morbidity Survey 1987	1987, 1994, 2000, 2005, 2010
Denmark	Survey of Health, Ageing and Retirement in Europe (SHARE)	2004, 2007, 2011
Denmark	Nielsen TL, Wraae K, Brixen K, Hermann AP, Andersen M, Hagen C. Prevalence of overweight, obesity and physical inactivity in 20- to 29-year-old, Danish men. Relation to sociodemography, physical dysfunction and low socioeconomic status: the Odense Androgen Study. Int J Obes (Lond). 2006 May;30(5):805–15.	2002

Country Name	Survey Name	Years
Denmark	Rasmussen M, Holstein BE, Due P. Tracking of overweight from mid-adolescence into adulthood: consistent patterns across socio-economic groups. Eur J Public Health. 2012 Dec;22(6):885–7.	1994, 2002
Denmark	Roskam A-JR, Kunst AE. The predictive value of different socio-economic indicators for overweight in nine European countries. Public Health Nutr. 2008 Dec;11(12):1256–66.	2000
Denmark	Yngve A, De Bourdeaudhuij I, Wolf A, Grjibovski A, Brug J, Due P, Ehrenblad B, Elmadfa I, Franchini B, Klepp K-I, Poortvliet E, Rasmussen M, Thorsdottir I, Perez Rodrigo C. Differences in prevalence of overweight and stunting in 11-year olds across Europe: The Pro Children Study. Eur J Public Health. 2008 Apr;18(2):126–30.	2003
Djibouti	WHO STEPS Global School-Based Health Survey (GSHS)	2007
Djibouti	Multiple Indicator Cluster Survey (MICS)	2006
Dominica	STEPS Noncommunicable Disease Risk Factors Survey	2007
Dominican Republic	Multiple Indicator Cluster Survey (MICS)	2000
Dominican Republic	International Social Survey Programme (ISSP)	2007
Dominican Republic	Demographic and Health Survey (DHS)	1986, 1991, 1996, 2002, 2007
Ecuador	Reproductive Health Survey (RHS)	2004
Egypt	WHO STEPS Global School-Based Health Survey (GSHS)	2006

Country Name	Survey Name	Years
Egypt	Demographic and Health Survey (DHS)	1988, 1992, 1995, 2000, 2003, 2005, 2008
Egypt	WHO Multicountry Survey on Health and Health System Responsiveness	2000
Egypt	STEPS Noncommunicable Disease Risk Factors Survey	2005, 2011
El Salvador	Reproductive Health Survey (RHS)	1993, 1998, 2002, 2008
Equatorial Guinea	Multiple Indicator Cluster Survey (MICS)	2000
Eritrea	STEPS Noncommunicable Disease Risk Factors Survey	2004
Eritrea	Demographic and Health Survey (DHS)	1995, 2002
Estonia	Survey of Health, Ageing and Retirement in Europe (SHARE)	2011
Estonia	World Health Survey (WHS)	2003
Estonia	Health Behavior Among the Estonian Adult Population	1990, 1992, 1994, 1996, 1998, 2000, 2002, 2004, 2006, 2008, 2010, 2012
Estonia	Health Behaviour in School-Aged Children	2001, 2005, 2009
Estonia	Eurobarometer	2005
Estonia	Kull M, Matsi J, Raudsepp L. Relationship between various physical activity domains and self-perceived health and obesity in women. Women Health. 2010 Oct;50(7):639–51.	2008

Country Name	Survey Name	Years
Estonia	Pomerleau J, Pudule I, Grinberga D, Kadziauskiene K, Abaravicius A, Bartkeviciute R, Vaask S, Robertson A, McKee M. Patterns of body weight in the Baltic Republics. Public Health Nutr. 2000 Mar;3(1):3–10.	1997
Estonia	Health Interview Survey	1996, 2006
Ethiopia	Demographic and Health Survey (DHS)	2000, 2005, 2010
Federated States of Micronesia	STEPS Noncommunicable Disease Risk Factors Survey	2002, 2006
Fiji	STEPS Noncommunicable Disease Risk Factors Survey	2002
Fiji	WHO STEPS Global School-Based Health Survey (GSHS)	2010
Finland	Children and Young People's Health Follow up Study (LATE)	2007
Finland	World Health Survey (WHS)	2004
Finland	Health Behaviour in School-Aged Children	2001, 2005, 2009
Finland	Health Behavior and Health Among the Finnish Adult Population	1998, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010
Finland	International Social Survey Programme (ISSP)	2007, 2011
Finland	Eurobarometer	2005
Finland	Finland Health Examination Survey 2000	2000
Finland	Isomaa R, Isomaa A-L, Marttunen M, Kaltiala-Heino R, Björkqvist K. Longitudinal concomitants of incorrect weight perception in female and male adolescents. Body Image. 2011 Jan;8(1):58–63.	2005

Country Name	Survey Name	Years
Finland	Jääskeläinen A, Pussinen J, Nuutinen O, Schwab U, Pirkola J, Kolehmainen M, Järvelin M-R, Laitinen J. Intergenerational transmission of overweight among Finnish adolescents and their parents: a 16-year follow-up study. Int J Obes (Lond). 2011 Oct;35(10):1289–94.	1985, 2001
Finland	Kautiainen S, Koivisto A-M, Koivusilta L, Lintonen T, Virtanen SM, Rimpelä A. Sociodemographic factors and a secular trend of adolescent overweight in Finland. Int J Pediatr Obes. 2009;4(4):360–70.	2005
Finland	Koskenvuo K, Hublin C, Partinen M, Paunio T, Koskenvuo M. Childhood adversities and quality of sleep in adulthood: A population-based study of 26,000 Finns. Sleep Med. 2010 Jan;11(1):17–22.	2003
Finland	Laitinen J, Ek E, Sovio U. Stress-related eating and drinking behavior and body mass index and predictors of this behavior. Prev Med. 2002 Jan;34(1):29–39.	1997
Finland	Pirkola J, Tammelin T, Bloigu A, Pouta A, Laitinen J, Ruokonen A, Tapanainen P, Järvelin M-R, Vääräsmäki M. Prevalence of metabolic syndrome at age 16 using the International Diabetes Federation paediatric definition. Arch. Dis. Child. 2008 Nov;93(11):945–51.	2001

Country Name	Survey Name	Years
Finland	Roskam A-JR, Kunst AE. The predictive value of different socio-economic indicators for overweight in nine European countries. Public Health Nutr. 2008 Dec;11(12):1256–66.	2000
Finland	Saaristo TE, Barengo NC, Korpi-Hyövälti E, Oksa H, Puolijoki H, Saltevo JT, Vanhala M, Sundvall J, Saarikoski L, Peltonen M, Tuomilehto J. High prevalence of obesity, central obesity and abnormal glucose tolerance in the middle-aged Finnish population. BMC Public Health. 2008;8:423.	2004
Finland	Sulander T, Rahkonen O, Nissinen A, Uutela A. Association of smoking status with obesity and diabetes among elderly people. Arch Gerontol Geriatr. 2007 Oct;45(2):159–67.	1985
Finland	Tikkinen KAO, Auvinen A, Johnson TM 2nd, Weiss JP, Keränen T, Tiitinen A, Polo O, Partinen M, Tammela TLJ. A systematic evaluation of factors associated with nocturia--the population-based FINNO study. Am. J. Epidemiol. 2009 Aug 1;170(3):361–8.	2003
Finland	Veltsista A, Laitinen J, Sovio U, Roma E, Järvelin M-R, Bakoula C. Relationship between eating behavior, breakfast consumption, and obesity among Finnish and Greek adolescents. J Nutr Educ Behav. 2010 Dec;42(6):417–21.	2001
France	The health of children aged 6 through school health assessments	1999

Country Name	Survey Name	Years
France	Survey of Health and Welfare	2002, 2004, 2006, 2008, 2010
France	International Social Survey Programme (ISSP)	2007, 2011
France	Survey of Health, Ageing and Retirement in Europe (SHARE)	2004, 2007, 2011
France	Health Behaviour in School-Aged Children	2001, 2005, 2009
France	Eurobarometer	1989, 2005
France	The health of school children CM2	2004, 2007
France	France Nutrition and Health Survey 2006-2007	2006
France	The health of children of kindergarten in 2005-2006	2005
France	France National Survey of Obesity and Overweight	2003, 2006, 2009, 2012
France	World Health Survey (WHS)	2003
France	Adolescent health school in third grade in 2003-2004	2003
France	Berraho M, Nejjari C, Raherison C, El Achhab Y, Tachfouti N, Serhier Z, Dartigues JF, Barberger-Gateau P. Body mass index, disability, and 13-year mortality in older French adults. J Aging Health. 2010 Feb;22(1):68–83.	1988
France	Heude B, Lafay L, Borys JM, Thibult N, Lommez A, Romon M, Ducimetière P, Charles MA. Time trend in height, weight, and obesity prevalence in school children from Northern France, 1992-2000. Diabetes Metab. 2003 Jun;29(3):235–40.	1992, 2000

Country Name	Survey Name	Years
France	Klein-Platat C, Wagner A, Haan MC, Arveiler D, Schlienger JL, Simon C. Prevalence and sociodemographic determinants of overweight in young French adolescents. Diabetes Metab. Res. Rev. 2003 Apr;19(2):153–8.	2001
France	Lioret S, Maire B, Volatier J-L, Charles M-A. Child overweight in France and its relationship with physical activity, sedentary behaviour and socioeconomic status. Eur J Clin Nutr. 2007 Apr;61(4):509–16.	1998
France	Léger D, Roscoat E du, Bayon V, Guignard R, Pâquereau J, Beck F. Short sleep in young adults: Insomnia or sleep debt? Prevalence and clinical description of short sleep in a representative sample of 1004 young adults from France. Sleep Med. 2011 May;12(5):454–62.	2008
France	Ottova V, Erhart M, Rajmil L, Dettenborn-Betz L, Ravens-Sieberer U. Overweight and its impact on the health-related quality of life in children and adolescents: results from the European KIDSCREEN survey. Qual Life Res. 2012 Feb;21(1):59–69.	2003
France	Pigeyre M, Duhamel A, Poulain J-P, Rousseaux J, Barbe P, Jeanneau S, Tibère L, Romon M. Influence of social factors on weight-related behaviors according to gender in the French adult population. Appetite. 2012 Apr;58(2):703–9.	2003

Country Name	Survey Name	Years
France	Péneau S, Rouchaud A, Rolland-Cachera M-F, Arnault N, Hercberg S, Castetbon K. Body size and growth from birth to 2 years and risk of overweight at 7-9 years. Int J Pediatr Obes. 2011 Jun;6(2-2):e162–169.	2000
France	Péneau S, Salanave B, Rolland-Cachera M-F, Hercberg S, Castetbon K. Correlates of sedentary behavior in 7 to 9-year-old French children are dependent on maternal weight status. Int J Obes (Lond). 2011 Jul;35(7):907–15.	2007
France	Rolland-Cachera M-F, Castetbon K, Arnault N, Bellisle F, Romano M-C, Lehingue Y, Frelut M-L, Hercberg S. Body mass index in 7-9-y-old French children: frequency of obesity, overweight and thinness. Int. J. Obes. Relat. Metab. Disord. 2002 Dec;26(12):1610–6.	2000
France	Salanave B, Peneau S, Rolland-Cachera M-F, Hercberg S, Castetbon K. Stabilization of overweight prevalence in French children between 2000 and 2007. Int J Pediatr Obes. 2009;4(2):66–72.	2007
France	Thibault H, Carriere C, Langevin C, Kossi Déti E, Barberger-Gateau P, Maurice S. Prevalence and factors associated with overweight and obesity in French primary-school children. Public Health Nutr. 2013 Feb;16(2):193–201.	2007
Gabon	STEPS Noncommunicable Disease Risk Factors Survey	2009
Gabon	Demographic and Health Survey (DHS)	2000, 2012

Country Name	Survey Name	Years
Georgia	STEPS Noncommunicable Disease Risk Factors Survey	2010
Georgia	Multiple Indicator Cluster Survey (MICS)	2005
Georgia	WHO Multicountry Survey on Health and Health System Responsiveness	2000
Germany	Health Behaviour in School-Aged Children	2001, 2005, 2009
Germany	Germany National Nutrition Survey II 2005-2007	2005
Germany	German Health Interview and Examination Survey for Adults (DEGS1)	2008
Germany	Eurobarometer	1989, 2005
Germany	International Social Survey Programme (ISSP)	2007, 2012
Germany	Germany National Health Interview and Examination Survey	1998
Germany	Germany Telephone Health Survey on Chronic Diseases and their Conditions 2003	2003
Germany	Survey of Health, Ageing and Retirement in Europe (SHARE)	2004, 2007, 2011
Germany	Apfelbacher CJ, Loerbroks A, Cairns J, Behrendt H, Ring J, Krämer U. Predictors of overweight and obesity in five to seven-year-old children in Germany: results from cross-sectional studies. BMC Public Health. 2008;8:171.	1991
Germany	Bayer O, Rosario AS, Wabitsch M, von Kries R. Sleep duration and obesity in children: is the association dependent on age and choice of the outcome parameter? Sleep. 2009 Sep;32(9):1183–9.	2003

Country Name	Survey Name	Years
Germany	Boneberger A, von Kries R, Milde-Busch A, Bolte G, Rochat MK, Rückinger S, GME Study Group. Association between peer relationship problems and childhood overweight/obesity. Acta Paediatr. 2009 Dec;98(12):1950–5.	2005
Germany	Buchwald S, Kocher T, Biffar R, Harb A, Holtfreter B, Meisel P. Tooth loss and periodontitis by socio-economic status and inflammation in a longitudinal population-based study. J. Clin. Periodontol. 2013 Mar;40(3):203–11.	2002
Germany	De Zwaan M, Gruss B, Müller A, Philipsen A, Graap H, Martin A, Glaesmer H, Hilbert A. Association between obesity and adult attention-deficit/hyperactivity disorder in a German community-based sample. Obes Facts. 2011;4(3):204–11.	2009
Germany	Frye C, Heinrich J. Trends and predictors of overweight and obesity in East German children. Int. J. Obes. Relat. Metab. Disord. 2003 Aug;27(8):963–9.	1992, 1995, 1998
Germany	Kalies H, Lenz J, von Kries R. Prevalence of overweight and obesity and trends in body mass index in German pre-school children, 1982-1997. Int. J. Obes. Relat. Metab. Disord. 2002 Sep;26(9):1211–7.	1982, 1987, 1992, 1997
Germany	Kuntz B, Lampert T. Socioeconomic factors and obesity. Dtsch Arztebl Int. 2010 Jul;107(30):517–22.	2002

Country Name	Survey Name	Years
Germany	Lampert T. Smoking, physical inactivity, and obesity: associations with social status. Dtsch Arztebl Int. 2010 Jan;107(1-2):1–7.	2002
Germany	Liese AD, Hirsch T, von Mutius E, Weiland SK. Burden of overweight in Germany: prevalence differences between former East and West German children. Eur J Public Health. 2006 Oct;16(5):526–31.	1995
Germany	Mond JM, Stich H, Hay PJ, Kraemer A, Baune BT. Associations between obesity and developmental functioning in pre-school children: a population-based study. Int J Obes (Lond). 2007 Jul;31(7):1068–73.	1997
Germany	Nagel G, Wabitsch M, Galm C, Berg S, Brandstetter S, Fritz M, Klenk J, Peter R, Prokopchuk D, Steiner R, Stroth S, Wartha O, Weiland SK, Steinacker J. Determinants of obesity in the Ulm Research on Metabolism, Exercise and Lifestyle in Children (URMEL-ICE). Eur. J. Pediatr. 2009 Oct;168(10):1259–67.	2006
Germany	Ottova V, Erhart M, Rajmil L, Dettenborn-Betz L, Ravens-Sieberer U. Overweight and its impact on the health-related quality of life in children and adolescents: results from the European KIDSCREEN survey. Qual Life Res. 2012 Feb;21(1):59–69.	2003
Ghana	Demographic and Health Survey (DHS)	1988, 1993, 1998, 2003, 2008

Country Name	Survey Name	Years
Ghana	WHO Study on Global Ageing and Adult Health (SAGE)	2007
Ghana	WHO STEPS Global School-Based Health Survey (GSHS)	2007
Ghana	Multiple Indicator Cluster Survey (MICS)	2006, 2011
Greece	Eurobarometer	1989, 2005
Greece	Health Behaviour in School-Aged Children	2001, 2005, 2009
Greece	Survey of Health, Ageing and Retirement in Europe (SHARE)	2004, 2007
Greece	Androutsos O, Grammatikaki E, Moschonis G, Roma-Giannikou E, Chrousos GP, Manios Y, Kanaka-Gantenbein C. Neck circumference: a useful screening tool of cardiovascular risk in children. Pediatr Obes. 2012 Jun;7(3):187–95.	2007
Greece	Brug J, van Stralen MM, Te Velde SJ, Chinapaw MJM, De Bourdeaudhuij I, Lien N, Bere E, Maskini V, Singh AS, Maes L, Moreno L, Jan N, Kovacs E, Lobstein T, Manios Y. Differences in weight status and energy-balance related behaviors among schoolchildren across Europe: the ENERGY-project. PLoS ONE. 2012;7(4):e34742.	2010
Greece	Georgiadis G, Nassis GP. Prevalence of overweight and obesity in a national representative sample of Greek children and adolescents. Eur J Clin Nutr. 2007 Sep;61(9):1072–4.	1990

Country Name	Survey Name	Years
Greece	Giannouli P, Zervas I, Armeni E, Koundi K, Spyropoulou A, Alexandrou A, Kazani A, Areti A, Creatsa M, Lambrinoudaki I. Determinants of quality of life in Greek middle-age women: a population survey. Maturitas. 2012 Feb;71(2):154–61.	2007
Greece	Karayiannis D, Yannakoulia M, Terzidou M, Sidossis LS, Kokkevi A. Prevalence of overweight and obesity in Greek school-aged children and adolescents. Eur J Clin Nutr. 2003 Sep;57(9):1189–92.	1997
Greece	Kontogianni MD, Farmaki A-E, Vidra N, Sofrona S, Magkanari F, Yannakoulia M. Associations between lifestyle patterns and body mass index in a sample of Greek children and adolescents. J Am Diet Assoc. 2010 Feb;110(2):215–21.	2007
Greece	Magkos F, Manios Y, Christakis G, Kafatos AG. Secular trends in cardiovascular risk factors among school-aged boys from Crete, Greece, 1982-2002. Eur J Clin Nutr. 2005 Jan;59(1):1–7.	1982, 2002
Greece	Manios Y, Costarelli V, Kolotourou M, Kondakis K, Tzavara C, Moschonis G. Prevalence of obesity in preschool Greek children, in relation to parental characteristics and region of residence. BMC Public Health. 2007;7:178.	2003

Country Name	Survey Name	Years
Greece	Manios Y, Yiannakouris N, Papoutsakis C, Moschonis G, Magkos F, Skenderi K, Zampelas A. Behavioral and physiological indices related to BMI in a cohort of primary schoolchildren in Greece. Am. J. Hum. Biol. 2004 Dec;16(6):639–47.	2001
Greece	Papadimitriou A, Kounadi D, Konstantinidou M, Xepapadaki P, Nicolaidou P. Prevalence of obesity in elementary schoolchildren living in Northeast Attica, Greece. Obesity (Silver Spring). 2006 Jul;14(7):1113–7.	2005
Greece	Roskam A-JR, Kunst AE. The predictive value of different socio-economic indicators for overweight in nine European countries. Public Health Nutr. 2008 Dec;11(12):1256–66.	2000
Greece	Savva SC, Kourides Y, Tornaritis M, Epiphaniou-Savva M, Chadjigeorgiou C, Kafatos A. Obesity in children and adolescents in Cyprus. Prevalence and predisposing factors. Int. J. Obes. Relat. Metab. Disord. 2002 Aug;26(8):1036–45.	1999
Greece	Smpokos EA, Linardakis M, Papadaki A, Kafatos A. Secular changes in anthropometric measurements and blood pressure in children of Crete, Greece, during 1992/93 and 2006/07. Prev Med. 2011 Apr;52(3-4):213–7.	1992, 2006

Country Name	Survey Name	Years
Greece	Tambalis KD, Panagiotakos DB, Psarra G, Sidossis LS. Inverse but independent trends in obesity and fitness levels among Greek children: a time-series analysis from 1997 to 2007. Obes Facts. 2011;4(2):165–74.	1997-2001, 2003-2007
Greece	Tokmakidis SP, Kasambalis A, Christodoulos AD. Fitness levels of Greek primary schoolchildren in relationship to overweight and obesity. Eur. J. Pediatr. 2006 Dec;165(12):867–74.	2003
Greece	Tzotzas T, Kapantais E, Tziomalos K, Ioannidis I, Mortoglou A, Bakatselos S, Kaklamanou M, Lanaras L, Kaklamanos I. Epidemiological survey for the prevalence of overweight and abdominal obesity in Greek adolescents. Obesity (Silver Spring). 2008 Jul;16(7):1718–22.	2003
Greece	Veltsista A, Laitinen J, Sovio U, Roma E, Järvelin M-R, Bakoula C. Relationship between eating behavior, breakfast consumption, and obesity among Finnish and Greek adolescents. J Nutr Educ Behav. 2010 Dec;42(6):417–21.	2001
Greece	Yannakoulia M, Panagiotakos D, Pitsavos C, Lentzas Y, Chrysohoou C, Skoumas I, Stefanadis C. Five-year incidence of obesity and its determinants: the ATTICA study. Public Health Nutr. 2009 Jan;12(1):36–43.	2006

Country Name	Survey Name	Years
Greece	Yannakoulia M, Panagiotakos DB, Pitsavos C, Stefanadis C. Correlates of BMI misreporting among apparently healthy individuals: the ATTICA study. Obesity (Silver Spring). 2006 May;14(5):894–901.	2001
Guatemala	World Bank - Living Standards and Measurement Survey (LSMS)	2000
Guatemala	Demographic and Health Survey (DHS)	1987, 1995, 1998
Guatemala	Reproductive Health Survey (RHS)	2002, 2008
Guinea	Demographic and Health Survey (DHS)	1999, 2005
Guinea	STEPS Noncommunicable Disease Risk Factors Survey	2009
Guinea-Bissau	Multiple Indicator Cluster Survey (MICS)	2000, 2006
Guyana	Multiple Indicator Cluster Survey (MICS)	2000, 2006
Guyana	World Bank - Living Standards and Measurement Survey (LSMS)	1992
Guyana	WHO STEPS Global School-Based Health Survey (GSHS)	2004
Guyana	Demographic and Health Survey (DHS)	2009
Haiti	Demographic and Health Survey (DHS)	1994, 2000, 2005, 2012
Haiti	Haiti Living Condition Survey 2001	2001
Honduras	Demographic and Health Survey (DHS)	2005, 2011
Honduras	Reproductive Health Survey (RHS)	2001
Hungary	World Health Survey (WHS)	2003
Hungary	Hungary National Population Health Survey 2003	2003
Hungary	Health Behaviour in School-Aged Children	2001, 2005, 2009
Hungary	Eurobarometer	2005

Country Name	Survey Name	Years
Hungary	Survey of Health, Ageing and Retirement in Europe (SHARE)	2011
Hungary	Brug J, van Stralen MM, Te Velde SJ, Chinapaw MJM, De Bourdeaudhuij I, Lien N, Bere E, Maskini V, Singh AS, Maes L, Moreno L, Jan N, Kovacs E, Lobstein T, Manios Y. Differences in weight status and energy-balance related behaviors among schoolchildren across Europe: the ENERGY-project. PLoS ONE. 2012;7(4):e34742.	2010
Hungary	Ottova V, Erhart M, Rajmil L, Dettenborn-Betz L, Ravens-Sieberer U. Overweight and its impact on the health-related quality of life in children and adolescents: results from the European KIDSCREEN survey. Qual Life Res. 2012 Feb;21(1):59–69.	2003
Iceland	Health and Well-Being of the Icelandic Population	2007
Iceland	Iceland Dietary Survey 2002	2002
Iceland	Health Behaviour in School-Aged Children	2005, 2009
Iceland	National Nutrition Survey 2010-2011	2010
Iceland	Eiõsdóttir SP, Kristjánsson AL, Sigfúsdóttir ID, Garber CE, Allegrante JP. Trends in body mass index among Icelandic adolescents and young adults from 1992 to 2007. Int J Environ Res Public Health. 2010 May;7(5):2191–207.	1992, 1997, 2000, 2004, 2006, 2007

Country Name	Survey Name	Years
Iceland	Matthiasdottir E, Jonsson SH, Kristjansson AL. Body weight dissatisfaction in the Icelandic adult population: a normative discontent? Eur J Public Health. 2012 Feb;22(1):116–21.	2007
Iceland	Olafsdottir LB, Gudjonsson H, Jonsdottir HH, Thjodleifsson B. Natural history of heartburn: a 10-year population-based study. World J. Gastroenterol. 2011 Feb 7;17(5):639–45.	2006
Iceland	Yngve A, De Bourdeaudhuij I, Wolf A, Grjibovski A, Brug J, Due P, Ehrenblad B, Elmadfa I, Franchini B, Klepp K-I, Poortvliet E, Rasmussen M, Thorsdottir I, Perez Rodrigo C. Differences in prevalence of overweight and stunting in 11-year olds across Europe: The Pro Children Study. Eur J Public Health. 2008 Apr;18(2):126–30.	2003
India	India Human Development Survey	2004
India	WHO STEPS Global School-Based Health Survey (GSHS)	2007
India	WHO Multicountry Survey on Health and Health System Responsiveness	2000
India	Demographic and Health Survey (DHS)	1992, 1998, 2005
India	WHO Study on Global Ageing and Adult Health (SAGE)	2007

Country Name	Survey Name	Years
India	Daniel CR, Prabhakaran D, Kapur K, Graubard BI, Devasenapathy N, Ramakrishnan L, George PS, Shetty H, Ferrucci LM, Yurgalevitch S, Chatterjee N, Reddy KS, Rastogi T, Gupta PC, Mathew A, Sinha R. A cross-sectional investigation of regional patterns of diet and cardio-metabolic risk in India. Nutr J. 2011;10:12.	2006
India	Deepa M, Farooq S, Deepa R, Manjula D, Mohan V. Prevalence and significance of generalized and central body obesity in an urban Asian Indian population in Chennai, India (CURES: 47). Eur J Clin Nutr. 2009 Feb;63(2):259–67.	2001
India	Gupta R, Deedwania PC, Gupta A, Rastogi S, Panwar RB, Kothari K. Prevalence of metabolic syndrome in an Indian urban population. Int. J. Cardiol. 2004 Nov;97(2):257–61.	2001
India	Kaur S, Sachdev HPS, Dwivedi SN, Lakshmy R, Kapil U. Prevalence of overweight and obesity amongst school children in Delhi, India. Asia Pac J Clin Nutr. 2008;17(4):592–6.	2005
India	Sachdev HPS, Osmond C, Fall CHD, Lakshmy R, Ramji S, Dey Biswas SK, Prabhakaran D, Tandon N, Reddy KS, Barker DJP, Bhargava SK. Predicting adult metabolic syndrome from childhood body mass index: follow-up of the New Delhi birth cohort. Arch. Dis. Child. 2009 Oct;94(10):768–74.	1983

Country Name	Survey Name	Years
India	Subramanian SV, Smith GD. Patterns, distribution, and determinants of under- and overnutrition: a population-based study of women in India. Am. J. Clin. Nutr. 2006 Sep;84(3):633–40.	1998
Indonesia	National Basic Health Research (Riskesdas)	2007, 2010
Indonesia	STEPS Noncommunicable Disease Risk Factors Survey	2001, 2003, 2006
Indonesia	WHO Multicountry Survey on Health and Health System Responsiveness	2000
Indonesia	Indonesia Family Life Survey	1993, 1997, 2000, 2007
Indonesia	Krishnan A, Ekowati R, Baridalyne N, Kusumawardani N, Suhardi, Kapoor SK, Leowski J. Evaluation of community-based interventions for non-communicable diseases: experiences from India and Indonesia. Health Promot Int. 2011 Sep;26(3):276–89.	2003
Iran	WHO Multicountry Survey on Health and Health System Responsiveness	2000
Iran	STEPS Noncommunicable Disease Risk Factors Survey	2005, 2006, 2007, 2009

Country Name	Survey Name	Years
Iran	Esteghamati A, Meysamie A, Khalilzadeh O, Rashidi A, Haghazali M, Asgari F, Kamgar M, Gouya MM, Abbasi M. Third national Surveillance of Risk Factors of Non-Communicable Diseases (SuRFNCD-2007) in Iran: methods and results on prevalence of diabetes, hypertension, obesity, central obesity, and dyslipidemia. BMC Public Health. 2009;9:167.	2007
Iran	Janghorbani M, Amini M, Rezvanian H, Gouya M-M, Delavari A, Alikhani S, Mahdavi A. Association of body mass index and abdominal obesity with marital status in adults. Arch Iran Med. 2008 May;11(3):274–81.	2004
Iran	Kelishadi R, Ardalan G, Gheiratmand R, Majdzadeh R, Hosseini M, Gouya MM, Razaghi EM, Delavari A, Motaghian M, Barekati H, Mahmoud-Arabi MS, Lock K, Caspian Study Group. Thinness, overweight and obesity in a national sample of Iranian children and adolescents: CASPIAN Study. Child Care Health Dev. 2008 Jan;34(1):44–54.	2003
Iran	Nabipour I, Amiri M, Imami SR, Jahfari SM, Nosrati A, Iranpour D, Soltanian AR. Unhealthy lifestyles and ischaemic electrocardiographic abnormalities: the Persian Gulf Healthy Heart Study. East. Mediterr. Health J. 2008 Aug;14(4):858–68.	2003

Country Name	Survey Name	Years
Iran	Rashidy-Pour A, Malek M, Eskandarian R, Ghorbani R. Obesity in the Iranian population. Obes Rev. 2009 Jan;10(1):2–6.	2005
Iraq	STEPS Noncommunicable Disease Risk Factors Survey	2006
Iraq	Multiple Indicator Cluster Survey (MICS)	2000, 2006, 2011
Ireland	Irish National Nutrition Survey	1990
Ireland	Ireland Survey of Lifestyle Attitudes and Nutrition	1998, 2002, 2007
Ireland	Eurobarometer	1989, 2005
Ireland	North/South Ireland Food Consumption Survey	2001
Ireland	Health Behaviour in School-Aged Children	2001, 2005, 2009
Ireland	National Adult Nutrition Survey	2011
Ireland	World Health Survey (WHS)	2003
Ireland	International Social Survey Programme (ISSP)	2007
Ireland	Evans DS, Glacken M, Goggin D. Childhood obesity: the extent of the problem among 6-year-old Irish national school children. Child Care Health Dev. 2011 May;37(3):352–9.	2004-2007
Ireland	Lutomski JE, van den Broeck J, Harrington J, Shiely F, Perry IJ. Sociodemographic, lifestyle, mental health and dietary factors associated with direction of misreporting of energy intake. Public Health Nutr. 2011 Mar;14(3):532–41.	2007
Ireland	McCrory C, Layte R. Breastfeeding and risk of overweight and obesity at nine-years of age. Soc Sci Med. 2012 Jul;75(2):323–30.	2007

Country Name	Survey Name	Years
Ireland	Roskam A-JR, Kunst AE. The predictive value of different socio-economic indicators for overweight in nine European countries. Public Health Nutr. 2008 Dec;11(12):1256–66.	2000
Ireland	Shelley E, Daly L, Kilcoyne D, Graham I. Obesity: a public health problem in Ireland? Ir J Med Sci. 1991 Jan;160 Suppl 9:29–34.	1985
Ireland	Whelton H, Harrington J, Crowley E, Kelleher V, Cronin M, Perry IJ. Prevalence of overweight and obesity on the island of Ireland: results from the North South Survey of Children's Height, Weight and Body Mass Index, 2002. BMC Public Health. 2007;7:187.	2002
Ireland	Wijnhoven TMA, van Raaij JMA, Spinelli A, Rito AI, Hovengen R, Kunesova M, Starc G, Rutter H, Sjöberg A, Petrauskiene A, O'Dwyer U, Petrova S, Farrugia Sant'angelo V, Wauters M, Yngve A, Rubana I-M, Breda J. WHO European Childhood Obesity Surveillance Initiative 2008: weight, height and body mass index in 6-9-year-old children. Pediatr Obes. 2013 Apr;8(2):79–97.	2007
Israel	World Health Survey (WHS)	2003
Israel	Survey of Health, Ageing and Retirement in Europe (SHARE)	2004
Israel	MABAT: First Israeli National Health and Nutrition Survey 1999-2001	1999
Israel	Israel National Health and Nutriton Survey of the Elderly	2005
Israel	International Social Survey Programme (ISSP)	2007, 2012

Country Name	Survey Name	Years
Israel	Israel National Health and Nutriton Survey 2003	2003
Israel	Israel Health Interview Survey	2003
Israel	Health Behaviour in School-Aged Children	2001, 2005
Italy	Osservatorio epidemiologico cardiovascolare	1998
Italy	Eurobarometer	1989, 2005
Italy	Health Behaviour in School-Aged Children	2001, 2005, 2009
Italy	Italy Lifestyle and Health	2002, 2003, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012
Italy	Survey of Health, Ageing and Retirement in Europe (SHARE)	2004, 2007, 2011
Italy	Italy Health Conditions, Risk Factors and Use of Health Services 2005	2005
Italy	Health Conditions and Use of Health Services Survey	1999
Italy	Albertini A, Tripodi A, Fabbri A, Mattioli M, Cavrini G, Cecchetti R, Dalle Donne E, Cortesi C, De Giorgi S, Contarini V, Andreotti L, Veronesi B, Stefanelli I, Di Martino E. Prevalence of obesity in 6- and 9-year-old children living in Central-North Italy. Analysis of determinants and indicators of risk of overweight. Obes Rev. 2008 Jan;9(1):4–10.	2003, 2005

Country Name	Survey Name	Years
Italy	Bertoncello C, Cazzaro R, Ferraresso A, Mazzer R, Moretti G. Prevalence of overweight and obesity among school-aged children in urban, rural and mountain areas of the Veneto Region, Italy. Public Health Nutr. 2008 Sep;11(9):887–90.	2004
Italy	Binkin N, Fontana G, Lamberti A, Cattaneo C, Baglio G, Perra A, Spinelli A. A national survey of the prevalence of childhood overweight and obesity in Italy. Obes Rev. 2010 Jan;11(1):2–10.	2008
Italy	Celi F, Bini V, De Giorgi G, Molinari D, Faraoni F, Di Stefano G, Bacosi ML, Berioli MG, Contessa G, Falorni A. Epidemiology of overweight and obesity among school children and adolescents in three provinces of central Italy, 1993-2001: study of potential influencing variables. Eur J Clin Nutr. 2003 Sep;57(9):1045–51.	1993
Italy	Gallus S, Odone A, Lugo A, Bosetti C, Colombo P, Zuccaro P, La Vecchia C. Overweight and obesity prevalence and determinants in Italy: an update to 2010. Eur J Nutr. 2013 Mar;52(2):677–85.	2006
Italy	Gualdi-Russo E, Albertini A, Argnani L, Celenza F, Nicolucci M, Toselli S. Weight status and body image perception in Italian children. J Hum Nutr Diet. 2008 Feb;21(1):39–45.	2000

Country Name	Survey Name	Years
Italy	Gualdi-Russo E, Manzon VS, Masotti S, Toselli S, Albertini A, Celenza F, Zaccagni L. Weight status and perception of body image in children: the effect of maternal immigrant status. Nutr J. 2012;11:85.	2004
Italy	Lazzeri G, Pammolli A, Pilato V, Giacchi MV. Relationship between 8/9-yr-old school children BMI, parents' BMI and educational level: a cross sectional survey. Nutr J. 2011;10:76.	2010
Italy	Lazzeri G, Pammolli A, Simi R, Pilato V, Giacchi MV. BMI from nutritional surveillance of 8-9 years old children in Tuscany (Italy). J Prev Med Hyg. 2011 Dec;52(4):181–5.	2008
Italy	Maffeis C, Consolaro A, Cavarzere P, Chini L, Banzato C, Grezzani A, Silvagni D, Salzano G, De Luca F, Tatò L. Prevalence of overweight and obesity in 2- to 6-year-old Italian children. Obesity (Silver Spring). 2006 May;14(5):765–9.	2002
Italy	Marcellini F, Giuli C, Papa R, Tirabassi G, Faloia E, Boscaro M, Polito A, Ciarapica D, Zaccaria M, Mocchegiani E. Obesity and body mass index (BMI) in relation to life-style and psycho-social aspects. Arch Gerontol Geriatr. 2009;49 Suppl 1:195–206.	2006
Italy	Pagano R, La Vecchia C. Overweight and obesity in Italy, 1990-91. Int. J. Obes. Relat. Metab. Disord. 1994 Oct;18(10):665–9.	1990

Country Name	Survey Name	Years
Italy	Pagano R, Negri E, Decarli A, La Vecchia C. Smoking and weight in the 1983 Italian National Health Survey. Int J Obes. 1987;11(4):333–8.	1983
Italy	Roskam A-JR, Kunst AE. The predictive value of different socio-economic indicators for overweight in nine European countries. Public Health Nutr. 2008 Dec;11(12):1256–66.	2000
Italy	Turconi G, Maccarini L, Bazzano R, Roggi C. Overweight and blood pressure: results from the examination of a selected group of adolescents in northern Italy. Public Health Nutr. 2008 Sep;11(9):905–13.	2001
Italy	Turconi G, Rossi M, Roggi C, Maccarini L. Nutritional status, dietary habits, nutritional knowledge and self-care assessment in a group of older adults attending community centres in Pavia, Northern Italy. J Hum Nutr Diet. 2013 Feb;26(1):48–55.	2009
Italy	Wijnhoven TMA, van Raaij JMA, Spinelli A, Rito AI, Hovengen R, Kunesova M, Starc G, Rutter H, Sjöberg A, Petrauskiene A, O'Dwyer U, Petrova S, Farrugia Sant'angelo V, Wauters M, Yngve A, Rubana I-M, Breda J. WHO European Childhood Obesity Surveillance Initiative 2008: weight, height and body mass index in 6-9-year-old children. Pediatr Obes. 2013 Apr;8(2):79–97.	2007
Jamaica	Jamaica Health and Lifestyle Survey	2007

Country Name	Survey Name	Years
Jamaica	WHO STEPS Global School-Based Health Survey (GSHS)	2010
Jamaica	Fox K, Gordon-Strachan G, Johnson A, Ashley D. Jamaican youth health status 2005. West Indian Med J. 2009 Dec;58(6):533–8.	2006
Jamaica	Ichinohe M, Mita R, Saito K, Shinkawa H, Nakaji S, Coombs M, Carney A, Wright B, Fuller EL. The prevalence of obesity and its relationship with lifestyle factors in Jamaica. Tohoku J. Exp. Med. 2005 Sep;207(1):21–32.	1999
Jamaica	Ragoobirsingh D, Morrison EYSA, Johnson P, Lewis-Fuller E. Obesity in the Caribbean: the Jamaican experience. Diabetes Obes Metab. 2004 Jan;6(1):23–7.	2001
Japan	International Social Survey Programme (ISSP)	2011
Japan	Japan National Health and Nutrition Survey	1980-2011
Japan	Hayashi R, Iwasaki M, Otani T, Wang N, Miyazaki H, Yoshiaki S, Aoki S, Koyama H, Suzuki S. Body mass index and mortality in a middle-aged Japanese cohort. J Epidemiol. 2005 May;15(3):70–7.	1993

Country Name	Survey Name	Years
Japan	Kadota A, Hozawa A, Okamura T, Kadowak T, Nakmaura K, Murakami Y, Hayakawa T, Kita Y, Okayama A, Nakamura Y, Kashiwagi A, Ueshima H, NIPPON DATA Research Group. Relationship between metabolic risk factor clustering and cardiovascular mortality stratified by high blood glucose and obesity: NIPPON DATA90, 1990-2000. Diabetes Care. 2007 Jun;30(6):1533–8.	1990
Japan	Matsushita Y, Takahashi Y, Mizoue T, Inoue M, Noda M, Tsugane S, JPHC Study Group. Overweight and obesity trends among Japanese adults: a 10-year follow-up of the JPHC Study. Int J Obes (Lond). 2008 Dec;32(12):1861–7.	1990, 1993, 1995, 1998, 2000, 2003
Japan	Nakano T, Sei M, Ewis AA, Munakata H, Onishi C, Nakahori Y. Tracking overweight and obesity in Japanese children; a six years longitudinal study. J. Med. Invest. 2010 Feb;57(1-2):114–23.	2001-2007
Japan	Niizeki T, Takeishi Y, Takabatake N, Shibata Y, Konta T, Kato T, Kawata S, Kubota I. Circulating levels of heart-type fatty acid-binding protein in a general Japanese population: effects of age, gender, and physiologic characteristics. Circ. J. 2007 Sep;71(9):1452–7.	2004

Country Name	Survey Name	Years
Japan	Niwa Y, Yatsuya H, Tamakoshi K, Nishio K, Kondo T, Lin Y, Suzuki S, Wakai K, Tokudome S, Yamamoto A, Hamajima N, Toyoshima H, Tamakoshi A, JACC Study Group. Relationship between body mass index and the risk of ovarian cancer in the Japanese population: findings from the Japanese Collaborate Cohort (JACC) study. J. Obstet. Gynaecol. Res. 2005 Oct;31(5):452–8.	1988
Japan	Saito I, Mori M, Shibata H, Hirose H, Tsujioka M, Kawabe H. Prevalence of metabolic syndrome in young men in Japan. J. Atheroscler. Thromb. 2007 Feb;14(1):27–30.	2004
Japan	Sakai R. Relationship between prevalence of childhood obesity in 17-year-olds and socioeconomic and environmental factors: prefecture-level analysis in Japan. Asia Pac J Public Health. 2013 Mar;25(2):159–69.	2008
Japan	Sakamoto N, Yang L. BMI centile curves for Japanese children aged 5-17 years in 2000-2005. Public Health Nutr. 2009 Oct;12(10):1688–92.	2000, 2005
Japan	Sekine M, Yamagami T, Hamanishi S, Handa K, Saito T, Nanri S, Kawaminami K, Tokui N, Yoshida K, Kagamimori S. Parental obesity, lifestyle factors and obesity in preschool children: results of the Toyama Birth Cohort study. J Epidemiol. 2002 Jan;12(1):33–9.	1992

Country Name	Survey Name	Years
Japan	Sun Y, Sekine M, Kagamimori S. Lifestyle and overweight among Japanese adolescents: the Toyama Birth Cohort Study. J Epidemiol. 2009;19(6):303–10.	2002
Japan	Takahashi Y, Sakai M, Tokuda Y, Takahashi O, Ohde S, Nakayama T, Fukuhara S, Fukui T, Shimbo T. The relation between self-reported body weight and health-related quality of life: a cross-sectional study in Japan. J Public Health (Oxf). 2011 Dec;33(4):518–26.	2003
Japan	Tanaka K, Kiyohara Y, Kubo M, Matsumoto T, Tanizaki Y, Okubo K, Ninomiya T, Oishi Y, Shikata K, Iida M. Secular trends in the incidence, mortality, and survival rate of gastric cancer in a general Japanese population: the Hisayama study. Cancer Causes Control. 2005 Jun;16(5):573–8.	1988
Japan	Yoshiike N, Seino F, Tajima S, Arai Y, Kawano M, Furuhata T, Inoue S. Twenty-year changes in the prevalence of overweight in Japanese adults: the National Nutrition Survey 1976-95. Obes Rev. 2002 Aug;3(3):183–90.	1981, 1986, 1991
Jordan	STEPS Noncommunicable Disease Risk Factors Survey	2004, 2007
Jordan	Demographic and Health Survey (DHS)	1990, 1997, 2002, 2007, 2009, 2012

Country Name	Survey Name	Years
Jordan	Hamaideh SH, Al-Khateeb RY, Al-Rawashdeh AB. Overweight and obesity and their correlates among Jordanian adolescents. J Nurs Scholarsh. 2010 Dec;42(4):387–94.	2007
Jordan	Khader YS, Batieha A, Jaddou H, Batieha Z, El-Khateeb M, Ajlouni K. Metabolic abnormalities associated with obesity in children and adolescents in Jordan. Int J Pediatr Obes. 2011 Aug;6(3-4):215–22.	2009
Jordan	Zindah M, Belbeisi A, Walke H, Mokdad AH. Obesity and diabetes in Jordan: findings from the behavioral risk factor surveillance system, 2004. Prev Chronic Dis. 2008 Jan;5(1):A17.	2004
Kazakhstan	Multiple Indicator Cluster Survey (MICS)	2006, 2010
Kazakhstan	Demographic and Health Survey (DHS)	1995, 1999
Kenya	Demographic and Health Survey (DHS)	1993, 1998, 2003, 2008
Kenya	Multiple Indicator Cluster Survey (MICS)	2000
Kenya	Steyn NP, Nel JH, Parker W, Ayah R, Mbithe D. Urbanisation and the nutrition transition: a comparison of diet and weight status of South African and Kenyan women. Scand J Public Health. 2012 May;40(3):229–38.	2005
Kiribati	STEPS Noncommunicable Disease Risk Factors Survey	2004
Kuwait	STEPS Noncommunicable Disease Risk Factors Survey	2006

Country Name	Survey Name	Years
Kuwait	Al Zenki S, Al Omirah H, Al Hooti S, Al Hamad N, Jackson RT, Rao A, Al Jahmah N, Al Obaid I, Al Ghanim J, Al Somaie M, Zaghloul S, Al Othman A. High prevalence of metabolic syndrome among Kuwaiti adults--a wake-up call for public health intervention. Int J Environ Res Public Health. 2012 May;9(5):1984–96.	2008
Kuwait	Zaghloul S, Al-Hooti SN, Al-Hamad N, Al-Zenki S, Alomirah H, Alayan I, Al-Attar H, Al-Othman A, Al-Shami E, Al-Somaie M, Jackson RT. Evidence for nutrition transition in Kuwait: over-consumption of macronutrients and obesity. Public Health Nutr. 2013 Apr;16(4):596–607.	2008
Kyrgyzstan	Demographic and Health Survey (DHS)	1997
Kyrgyzstan	Multiple Indicator Cluster Survey (MICS)	2005
Laos	STEPS Noncommunicable Disease Risk Factors Survey	2008
Laos	Multiple Indicator Cluster Survey (MICS)	2000, 2006, 2011
Latvia	Health Behaviour in School-Aged Children	2001, 2005, 2009
Latvia	Eurobarometer	2005
Latvia	Health Behavior Among Latvian Adult Population	1998, 2000, 2002, 2004, 2006, 2008, 2012
Latvia	Latvia Health Behavior Among the Adult Population 2010	2010
Latvia	World Health Survey (WHS)	2003

Country Name	Survey Name	Years
Latvia	Pomerleau J, Pudule I, Grinberga D, Kadziauskiene K, Abaravicius A, Bartkeviciute R, Vaask S, Robertson A, McKee M. Patterns of body weight in the Baltic Republics. Public Health Nutr. 2000 Mar;3(1):3–10.	1997
Latvia	Wijnhoven TMA, van Raaij JMA, Spinelli A, Rito AI, Hovengen R, Kunesova M, Starc G, Rutter H, Sjöberg A, Petrauskiene A, O'Dwyer U, Petrova S, Farrugia Sant'angelo V, Wauters M, Yngve A, Rubana I-M, Breda J. WHO European Childhood Obesity Surveillance Initiative 2008: weight, height and body mass index in 6-9-year-old children. Pediatr Obes. 2013 Apr;8(2):79–97.	2007
Lebanon	WHO Multicountry Survey on Health and Health System Responsiveness	2000
Lebanon	Lebanon Family Health Survey	2004
Lebanon	STEPS Noncommunicable Disease Risk Factors Survey	2008
Lebanon	Chacar HR, Salameh P. Public schools adolescents' obesity and growth curves in Lebanon. J Med Liban. 2011 Jun;59(2):80–8.	2007
Lesotho	STEPS Noncommunicable Disease Risk Factors Survey	2012
Lesotho	Demographic and Health Survey (DHS)	2004, 2009
Lesotho	Multiple Indicator Cluster Survey (MICS)	2000
Liberia	STEPS Noncommunicable Disease Risk Factors Survey	2011
Liberia	Demographic and Health Survey (DHS)	2006

Country Name	Survey Name	Years
Libya	STEPS Noncommunicable Disease Risk Factors Survey	2009
Libya	WHO STEPS Global School-Based Health Survey (GSHS)	2007
Lithuania	Health Behaviour in School-Aged Children	2001, 2005, 2009
Lithuania	Eurobarometer	2005
Lithuania	International Social Survey Programme (ISSP)	2011
Lithuania	Pomerleau J, Pudule I, Grinberga D, Kadziauskiene K, Abaravicius A, Bartkeviciute R, Vaask S, Robertson A, McKee M. Patterns of body weight in the Baltic Republics. Public Health Nutr. 2000 Mar;3(1):3–10.	1997
Lithuania	Wijnhoven TMA, van Raaij JMA, Spinelli A, Rito AI, Hovengen R, Kunesova M, Starc G, Rutter H, Sjöberg A, Petrauskiene A, O'Dwyer U, Petrova S, Farrugia Sant'angelo V, Wauters M, Yngve A, Rubana I-M, Breda J. WHO European Childhood Obesity Surveillance Initiative 2008: weight, height and body mass index in 6-9-year-old children. Pediatr Obes. 2013 Apr;8(2):79–97.	2007
Luxembourg	Eurobarometer	1989, 2005
Luxembourg	World Health Survey (WHS)	2003
Luxembourg	Health Behaviour in School-Aged Children	2005, 2009
Luxembourg	Tchicaya A, Lorentz N. Socioeconomic inequality and obesity prevalence trends in Luxembourg, 1995-2007. BMC Res Notes. 2012;5:467.	1995, 2007
Macedonia	WHO STEPS Global School-Based Health Survey (GSHS)	2007

Country Name	Survey Name	Years
Macedonia	Multiple Indicator Cluster Survey (MICS)	2005, 2011
Macedonia	Health Behaviour in School-Aged Children	2001, 2005, 2009
Macedonia	Macedonia Survey on the Health and Nutrition of the Elderly 1999	1999
Madagascar	Demographic and Health Survey (DHS)	1992, 1997, 2003, 2008
Madagascar	STEPS Noncommunicable Disease Risk Factors Survey	2005
Malawi	World Bank - Living Standards and Measurement Survey (LSMS)	2010
Malawi	Demographic and Health Survey (DHS)	1992, 2000, 2004, 2010
Malawi	Multiple Indicator Cluster Survey (MICS)	2006
Malawi	STEPS Noncommunicable Disease Risk Factors Survey	2009
Malaysia	Adult Nutrition Survey	2002
Malaysia	STEPS Noncommunicable Disease Risk Factors Survey	2005
Malaysia	Rampal L, Rampal S, Khor GL, Zain AM, Ooyub SB, Rahmat RB, Ghani SN, Krishnan J. A national study on the prevalence of obesity among 16,127 Malaysians. Asia Pacific journal of clinical nutrition. 2007;16(3):561–6.	2004
Malaysia	Sumarni Mohd G, Muhammad Amir K, Ibrahim Md S, Mohd Rodi I, Izzuna Mudla MG, Nurziyana I. Obesity among schoolchildren in Kuala Selangor: a cross-sectional study. Trop Biomed. 2006 Dec;23(2):148–54.	2003
Maldives	Multiple Indicator Cluster Survey (MICS)	2001

Country Name	Survey Name	Years
Maldives	Demographic and Health Survey (DHS)	2009
Mali	Demographic and Health Survey (DHS)	1987, 1995, 2001, 2006
Mali	STEPS Noncommunicable Disease Risk Factors Survey	2007
Malta	Health Behaviour in School-Aged Children	2001, 2005
Malta	Eurobarometer	2005
Malta	Malta Lifestyle Survey	2003, 2007
Malta	Grech V, Farrugia Sant'Angelo V. Body mass index estimation in a school-entry aged cohort in Malta. Int J Pediatr Obes. 2009;4(2):126–8.	2007
Malta	Wijnhoven TMA, van Raaij JMA, Spinelli A, Rito AI, Hovengen R, Kunesova M, Starc G, Rutter H, Sjöberg A, Petrauskiene A, O'Dwyer U, Petrova S, Farrugia Sant'angelo V, Wauters M, Yngve A, Rubana I-M, Breda J. WHO European Childhood Obesity Surveillance Initiative 2008: weight, height and body mass index in 6-9-year-old children. Pediatr Obes. 2013 Apr;8(2):79–97.	2007
Marshall Islands	STEPS Noncommunicable Disease Risk Factors Survey	2002
Mauritania	Demographic and Health Survey (DHS)	2000
Mauritania	Multiple Indicator Cluster Survey (MICS)	2007
Mauritius	STEPS Noncommunicable Disease Risk Factors Survey	2004

Country Name	Survey Name	Years
Mauritius	Caleyachetty R, Rudnicka AR, Echouffo-Tcheugui JB, Siegel KR, Richards N, Whincup PH. Prevalence of overweight, obesity and thinness in 9-10 year old children in Mauritius. Global Health. 2012;8:28.	2006
Mauritius	Dowse GK, Zimmet PZ, Gareeboo H, George K, Alberti MM, Tuomilehto J, Finch CF, Chitson P, Tulsidas H. Abdominal obesity and physical inactivity as risk factors for NIDDM and impaired glucose tolerance in Indian, Creole, and Chinese Mauritians. Diabetes Care. 1991 Apr;14(4):271–82.	1987
Mexico	Mexico Survey of Health and Nutrition (ENSANUT) 2005	2005
Mexico	WHO Multicountry Survey on Health and Health System Responsiveness	2000
Mexico	Mexican Health and Aging Study	2001, 2003
Mexico	Mexico Family Health Survey	2002, 2005
Mexico	WHO Study on Global Ageing and Adult Health (SAGE)	2009
Mexico	International Social Survey Programme (ISSP)	2007
Mexico	Mexico Survey of Health and Nutrition (ENSANUT) 2011-2012	2011
Mexico	Mexico National Nutrition Survey (ENN)	1999
Mexico	Aradillas-García C, Malacara JM, Garay-Sevilla ME, Guízar JM, Camacho N, De la Cruz-Mendoza E, Quemada L, Sierra JFH. Prediabetes in rural and urban children in 3 states in Mexico. J Cardiometab Syndr. 2007;2(1):35–9.	2004

Country Name	Survey Name	Years
Mexico	Eckhardt CL, Torheim LE, Monterrubio E, Barquera S, Ruel MT. The overlap of overweight and anaemia among women in three countries undergoing the nutrition transition. Eur J Clin Nutr. 2008 Feb;62(2):238–46.	1998
Mexico	National Nutrition Survey	1999
Moldova	Demographic and Health Survey (DHS)	2005
Mongolia	STEPS Noncommunicable Disease Risk Factors Survey	2005
Mongolia	Multiple Indicator Cluster Survey (MICS)	2000, 2005, 2010
Mongolia	Dugee O, Khor GL, Lye M-S, Luvsannyam L, Janchiv O, Jamyan B, Esa N. Association of major dietary patterns with obesity risk among Mongolian men and women. Asia Pac J Clin Nutr. 2009;18(3):433–40.	2005
Montenegro	Multiple Indicator Cluster Survey (MICS)	2005
Morocco	Demographic and Health Survey (DHS)	1987, 1992, 2003
Morocco	Tazi MA, Abir-Khalil S, Lahmouz F, Arrach ML, Chaouki N. Risk factors for hypertension among the adult Moroccan population. East. Mediterr. Health J. 2009 Aug;15(4):827–41.	2000
Mozambique	STEPS Noncommunicable Disease Risk Factors Survey	2005
Mozambique	Demographic and Health Survey (DHS)	1997, 2003, 2011
Mozambique	Multiple Indicator Cluster Survey (MICS)	2008
Myanmar	WHO STEPS Global School-Based Health Survey (GSHS)	2007

Country Name	Survey Name	Years
Myanmar	STEPS Noncommunicable Disease Risk Factors Survey	2009
Myanmar	Multiple Indicator Cluster Survey (MICS)	2000
Namibia	Demographic and Health Survey (DHS)	1992, 2000, 2006
Nepal	STEPS Noncommunicable Disease Risk Factors Survey	2005, 2007
Nepal	Demographic and Health Survey (DHS)	1996, 2001, 2006, 2011
Netherlands	Health Behaviour in School-Aged Children	2001, 2005, 2009
Netherlands	National Food Consumption Survey	1987, 1992, 1997, 2005, 2007, 2010
Netherlands	International Social Survey Programme (ISSP)	2011
Netherlands	Integrated System of Social Surveys (POLS) and Health Survey	2000-2009
Netherlands	Eurobarometer	1989, 2005
Netherlands	Netherlands Risk Factors and Health Survey 2000	2000
Netherlands	Netherlands Dutch National Bank Household Survey	1993-2009
Netherlands	Survey of Health, Ageing and Retirement in Europe (SHARE)	2004, 2007, 2011
Netherlands	Baecke JA, Burema J, Frijters JE, Hautvast JG, van der Wiel-Wetzels WA. Obesity in young Dutch adults: I, socio-demographic variables and body mass index. Int J Obes. 1983;7(1):1–12.	1980

Country Name	Survey Name	Years
Netherlands	Brug J, van Stralen MM, Te Velde SJ, Chinapaw MJM, De Bourdeaudhuij I, Lien N, Bere E, Maskini V, Singh AS, Maes L, Moreno L, Jan N, Kovacs E, Lobstein T, Manios Y. Differences in weight status and energy-balance related behaviors among schoolchildren across Europe: the ENERGY-project. PLoS ONE. 2012;7(4):e34742.	2010
Netherlands	De Wit LM, van Straten A, van Herten M, Penninx BWJH, Cuijpers P. Depression and body mass index, a u-shaped association. BMC Public Health. 2009;9:14.	2001
Netherlands	Kupper NM, Schreurs H, Ten Klooster PM, Bode C, van Ameijden EJC. Prevention for elderly people: demand-oriented or problem-oriented? Health Policy. 2011 Sep;102(1):96–103.	2006
Netherlands	Ottova V, Erhart M, Rajmil L, Dettenborn-Betz L, Ravens-Sieberer U. Overweight and its impact on the health-related quality of life in children and adolescents: results from the European KIDSCREEN survey. Qual Life Res. 2012 Feb;21(1):59–69.	2003
Netherlands	Rodenburg G, Oenema A, Pasma M, Kremers SPJ, van de Mheen D. Clustering of food and activity preferences in primary school children. Appetite. 2013 Jan;60(1):123–32.	2008

Country Name	Survey Name	Years
Netherlands	Snoek HM, van Strien T, Janssens JMAM, Engels RCME. Emotional, external, restrained eating and overweight in Dutch adolescents. Scand J Psychol. 2007 Feb;48(1):23–32.	2003
Netherlands	Steenhuis IHM, Bos AER, Mayer B. (Mis)interpretation of body weight in adult women and men. J Hum Nutr Diet. 2006 Jun;19(3):219–28.	2003
Netherlands	Van Strien T, Herman CP, Verheijden MW. Eating style, overeating and weight gain. A prospective 2-year follow-up study in a representative Dutch sample. Appetite. 2012 Dec;59(3):782–9.	2009
Netherlands	Visscher TLS, Viet AL, Kroesbergen IHT, Seidell JC. Underreporting of BMI in adults and its effect on obesity prevalence estimations in the period 1998 to 2001. Obesity (Silver Spring). 2006 Nov;14(11):2054–63.	1998
Netherlands	Yngve A, De Bourdeaudhuij I, Wolf A, Grjibovski A, Brug J, Due P, Ehrenblad B, Elmadfa I, Franchini B, Klepp K-I, Poortvliet E, Rasmussen M, Thorsdottir I, Perez Rodrigo C. Differences in prevalence of overweight and stunting in 11-year olds across Europe: The Pro Children Study. Eur J Public Health. 2008 Apr;18(2):126–30.	2003
New Zealand	Life in New Zealand Survey	1989
New Zealand	New Zealand Health Survey	2002, 2006, 2011
New Zealand	2002 National Children's Nutrition Survey	2002

Country Name	Survey Name	Years
New Zealand	New Zealand Adult Nutrition Survey 2008-2009	2008
New Zealand	The Health and Wellbeing of New Zealand Secondary School Students in 2012 (Youth2000 Survey Series)	2012
New Zealand	Youth'07 Survey	2007
New Zealand	International Social Survey Programme (ISSP)	2007
New Zealand	New Zealand National Nutrition Survey 1997	1996
New Zealand	Howe AS, Mandic S, Parnell WR, Skidmore PML. Attitudes to food differ between adolescent dieters and non-dieters from Otago, New Zealand, but overall food intake does not. Public Health Nutr. 2013 Jan;16(1):36–45.	2009
New Zealand	Leong SL, Madden C, Gray A, Horwath C. Self-determined, autonomous regulation of eating behavior is related to lower body mass index in a nationwide survey of middle-aged women. J Acad Nutr Diet. 2012 Sep;112(9):1337–46.	2009
New Zealand	Rush E, Reed P, McLennan S, Coppinger T, Simmons D, Graham D. A school-based obesity control programme: Project Energize. Two-year outcomes. Br. J. Nutr. 2012 Feb;107(4):581–7.	2004

Country Name	Survey Name	Years
New Zealand	Rush E, Reed PW, Simmons D, Coppinger T, McLennan S, Graham D. Baseline measures for a school-based obesity control programme: Project Energize: differences by ethnicity, rurality, age and school socio-economic status. J Paediatr Child Health. 2013 Apr;49(4):E324–331.	2005
New Zealand	Utter J, Denny S, Crengle S, Ameratunga S, Robinson E, Clark T, Percival T, Maddison R. Overweight among New Zealand adolescents: associations with ethnicity and deprivation. Int J Pediatr Obes. 2010 Dec;5(6):461–6.	2007
New Zealand	Utter J, Scragg R, Schaaf D, Fitzgerald E, Wilson N. Correlates of body mass index among a nationally representative sample of New Zealand children. Int J Pediatr Obes. 2007;2(2):104–13.	2002
New Zealand	Wickens K, Barry D, Friezema A, Rhodius R, Bone N, Purdie G, Crane J. Obesity and asthma in 11-12 year old New Zealand children in 1989 and 2000. Thorax. 2005 Jan;60(1):7–12.	1989, 2000
Nicaragua	World Bank - Living Standards and Measurement Survey (LSMS)	2005
Nicaragua	Demographic and Health Survey (DHS)	1997, 2001
Nicaragua	Reproductive Health Survey (RHS)	2006
Niger	STEPS Noncommunicable Disease Risk Factors Survey	2007
Niger	Multiple Indicator Cluster Survey (MICS)	2000

Country Name	Survey Name	Years
Niger	Demographic and Health Survey (DHS)	1992, 1998, 2006, 2012
Nigeria	WHO Multicountry Survey on Health and Health System Responsiveness	2000
Nigeria	Demographic and Health Survey (DHS)	1986, 1990, 2003, 2008
Nigeria	Multiple Indicator Cluster Survey (MICS)	2007, 2011
Niue	WHO STEPS Global School-Based Health Survey (GSHS)	2010
North Korea	STEPS Noncommunicable Disease Risk Factors Survey	2008
Norway	Health Behaviour in School-Aged Children	2001, 2005, 2009
Norway	International Social Survey Programme (ISSP)	2012
Norway	World Health Survey (WHS)	2003
Norway	Norway Survey of Living Conditions	1998, 2002, 2005, 2008, 2012
Norway	Bere E, Westersjø JH. Nature trips and traditional methods for food procurement in relation to weight status. Scand J Public Health. 2013 Mar;41(2):180–4.	2008
Norway	Bjelland M, Bergh IH, Grydeland M, Klepp K-I, Andersen LF, Anderssen SA, Ommundsen Y, Lien N. Changes in adolescents' intake of sugar-sweetened beverages and sedentary behaviour: results at 8 month mid-way assessment of the HEIA study--a comprehensive, multi-component school-based randomized trial. Int J Behav Nutr Phys Act. 2011;8:63.	2007

Country Name	Survey Name	Years
Norway	Bjornelv S, Lydersen S, Holmen J, Lund Nilsen TI, Holmen TL. Sex differences in time trends for overweight and obesity in adolescents: the Young-HUNT study. Scand J Public Health. 2009 Nov;37(8):881–9.	1995
Norway	Brug J, van Stralen MM, Te Velde SJ, Chinapaw MJM, De Bourdeaudhuij I, Lien N, Bere E, Maskini V, Singh AS, Maes L, Moreno L, Jan N, Kovacs E, Lobstein T, Manios Y. Differences in weight status and energy-balance related behaviors among schoolchildren across Europe: the ENERGY-project. PLoS ONE. 2012;7(4):e34742.	2010
Norway	Grøholt E-K, Stigum H, Nordhagen R. Overweight and obesity among adolescents in Norway: cultural and socio-economic differences. J Public Health (Oxf). 2008 Sep;30(3):258–65.	2000
Norway	Hjartåker A, Laake P, Lund E. Body mass index and weight change attempts among adult women. The Norwegian Women and Cancer Study. Eur J Public Health. 2001 Jun;11(2):141–6.	1996
Norway	Júlíusson PB, Eide GE, Roelants M, Waaler PE, Hauspie R, Bjerknes R. Overweight and obesity in Norwegian children: prevalence and socio-demographic risk factors. Acta Paediatr. 2010 Jun;99(6):900–5.	2003

Country Name	Survey Name	Years
Norway	Oellingrath IM, Svendsen MV, Brantsaeter AL. Eating patterns and overweight in 9- to 10-year-old children in Telemark County, Norway: a cross-sectional study. Eur J Clin Nutr. 2010 Nov;64(11):1272–9.	2007
Norway	Van der Sluis ME, Lien N, Twisk JWR, Steenhuis IHM, Bere E, Klepp K-I, Wind M. Longitudinal associations of energy balance-related behaviours and cross-sectional associations of clusters and body mass index in Norwegian adolescents. Public Health Nutr. 2010 Oct;13(10A):1716–21.	2005
Norway	Wijnhoven TMA, van Raaij JMA, Spinelli A, Rito AI, Hovengen R, Kunesova M, Starc G, Rutter H, Sjöberg A, Petrauskiene A, O'Dwyer U, Petrova S, Farrugia Sant'angelo V, Wauters M, Yngve A, Rubana I-M, Breda J. WHO European Childhood Obesity Surveillance Initiative 2008: weight, height and body mass index in 6-9-year-old children. Pediatr Obes. 2013 Apr;8(2):79–97.	2007
Norway	Yngve A, De Bourdeaudhuij I, Wolf A, Grjibovski A, Brug J, Due P, Ehrenblad B, Elmadfa I, Franchini B, Klepp K-I, Poortvliet E, Rasmussen M, Thorsdottir I, Perez Rodrigo C. Differences in prevalence of overweight and stunting in 11-year olds across Europe: The Pro Children Study. Eur J Public Health. 2008 Apr;18(2):126–30.	2003
Oman	Oman National Health Survey 2000	2000

Country Name	Survey Name	Years
Oman	STEPS Noncommunicable Disease Risk Factors Survey	2006
Oman	Al-Lawati JA, Jousilahti PJ. Prevalence and 10-year secular trend of obesity in Oman. Saudi Med J. 2004 Mar;25(3):346–51.	1991
Pakistan	Demographic and Health Survey (DHS)	1990, 2012
Pakistan	Pakistan National Nutrition Survey Report	2010
Pakistan	WHO STEPS Global School-Based Health Survey (GSHS)	2009
Pakistan	Khan AH, Iqbal R, Naureen G, Dar FJ, Ahmed FN. Prevalence of vitamin D deficiency and its correlates: results of a community-based study conducted in Karachi, Pakistan. Arch Osteoporos. 2012 Dec;7(1-2):275–82.	2011
Palestine	STEPS Noncommunicable Disease Risk Factors Survey	2010
Panama	Living Standards Survey	1982, 2003
Papua New Guinea	STEPS Noncommunicable Disease Risk Factors Survey	2007
Paraguay	Demographic and Health Survey (DHS)	1990
Paraguay	STEPS Noncommunicable Disease Risk Factors Survey	2011
Peru	WHO STEPS Global School-Based Health Survey (GSHS)	2010
Peru	Demographic and Health Survey (DHS)	1991, 1996, 2000, 2005, 2007, 2008, 2009, 2010, 2011, 2012

Country Name	Survey Name	Years
Peru	Peru National Living Standards and Measurement Survey	2000
Philippines	Demographic and Health Survey (DHS)	1993
Philippines	Philippines National Nutrition Survey	1993, 1998, 2003, 2005, 2008, 2011
Philippines	Philippines - Cebu Longitudinal Health and Nutrition Survey	2002, 2004
Philippines	International Social Survey Programme (ISSP)	2007, 2011
Poland	International Social Survey Programme (ISSP)	2007, 2013
Poland	Health Behaviour in School-Aged Children	2001, 2005, 2009
Poland	Survey of Health, Ageing and Retirement in Europe (SHARE)	2007
Poland	Eurobarometer	2005
Poland	Chrzanowska M, Koziel S, Ulijaszek SJ. Changes in BMI and the prevalence of overweight and obesity in children and adolescents in Cracow, Poland, 1971-2000. Econ Hum Biol. 2007 Dec;5(3):370–8.	1983, 2000
Poland	Jodkowska M, Oblacinska A, Tabak I. Overweight and obesity among adolescents in Poland: gender and regional differences. Public Health Nutr. 2010 Oct;13(10A):1688–92.	2005
Poland	Matusik P, Malecka-Tendera E, Klimek K, Polish Childhood Obesity Study Group. Nutritional state of Polish prepubertal children assessed by population-specific and international standards. Acta Paediatr. 2007 Feb;96(2):276–80.	2001

Country Name	Survey Name	Years
Poland	Mazur A, Klimek K, Telega G, Hejda G, Wdowiak L, Ma?ecka-Tendera E. Risk factors for obesity development in school children from south-eastern Poland. Ann Agric Environ Med. 2008 Dec;15(2):281–5.	1998
Poland	Ottova V, Erhart M, Rajmil L, Dettenborn-Betz L, Ravens-Sieberer U. Overweight and its impact on the health-related quality of life in children and adolescents: results from the European KIDSCREEN survey. Qual Life Res. 2012 Feb;21(1):59–69.	2003
Portugal	Survey of Health, Ageing and Retirement in Europe (SHARE)	2011
Portugal	Health Behaviour in School-Aged Children	2001, 2005, 2009
Portugal	Eurobarometer	2005
Portugal	Portugal National Health Survey 2005-2006	2005
Portugal	International Social Survey Programme (ISSP)	2013
Portugal	World Health Survey (WHS)	2003
Portugal	Wijnhoven TMA, van Raaij JMA, Spinelli A, Rito AI, Hovengen R, Kunesova M, Starc G, Rutter H, Sjöberg A, Petrauskiene A, O'Dwyer U, Petrova S, Farrugia Sant'angelo V, Wauters M, Yngve A, Rubana I-M, Breda J. WHO European Childhood Obesity Surveillance Initiative 2008: weight, height and body mass index in 6-9-year-old children. Pediatr Obes. 2013 Apr;8(2):79–97.	2007

Country Name	Survey Name	Years
Portugal	Ferreira RJ, Marques-Vidal PM. Prevalence and determinants of obesity in children in public schools of Sintra, Portugal. Obesity (Silver Spring). 2008 Feb;16(2):497–500.	2004
Portugal	Marques-Vidal P, Paccaud F, Ravasco P. Ten-year trends in overweight and obesity in the adult Portuguese population, 1995 to 2005. BMC Public Health. 2011;11:772.	1995
Portugal	Moreira P, Padez C, Mourão I, Rosado V. Dietary calcium and body mass index in Portuguese children. Eur J Clin Nutr. 2005 Jul;59(7):861–7.	2002
Portugal	Moreira P, Padrão P. Educational, economic and dietary determinants of obesity in Portuguese adults: a cross-sectional study. Eat Behav. 2006 Aug;7(3):220–8.	1998
Portugal	Roskam A-JR, Kunst AE. The predictive value of different socio-economic indicators for overweight in nine European countries. Public Health Nutr. 2008 Dec;11(12):1256–66.	2000
Portugal	Santos R, Santos MP, Ribeiro JC, Mota J. Physical activity and other lifestyle behaviors in a Portuguese sample of adults: results from the Azorean Physical Activity and Health Study. J Phys Act Health. 2009 Nov;6(6):750–9.	2004

Country Name	Survey Name	Years
Portugal	Sardinha LB, Santos R, Vale S, Silva AM, Ferreira JP, Raimundo AM, Moreira H, Baptista F, Mota J. Prevalence of overweight and obesity among Portuguese youth: a study in a representative sample of 10-18-year-old children and adolescents. Int J Pediatr Obes. 2011 Jun;6(2-2):e124–128.	2008
Portugal	Yngve A, De Bourdeaudhuij I, Wolf A, Grjibovski A, Brug J, Due P, Ehrenblad B, Elmadfa I, Franchini B, Klepp K-I, Poortvliet E, Rasmussen M, Thorsdottir I, Perez Rodrigo C. Differences in prevalence of overweight and stunting in 11-year olds across Europe: The Pro Children Study. Eur J Public Health. 2008 Apr;18(2):126–30.	2003
Puerto Rico	González-Rodríguez LA, Felici-Giovanini ME, Haddock L. Thyroid dysfunction in an adult female population: A population-based study of Latin American Vertebral Osteoporosis Study (LAVOS) - Puerto Rico site. P R Health Sci J. 2013 Jun;32(2):57–62.	2003
Puerto Rico	Pérez CM, Guzmán M, Ortiz AP, Estrella M, Valle Y, Pérez N, Haddock L, Suárez E. Prevalence of the metabolic syndrome in San Juan, Puerto Rico. Ethn Dis. 2008;18(4):434–41.	2005
Qatar	STEPS Noncommunicable Disease Risk Factors Survey	2012

Country Name	Survey Name	Years
Qatar	Bener A, Tewfik I. Prevalence of overweight, obesity, and associated psychological problems in Qatari's female population. Obes Rev. 2006 May;7(2):139–45.	2004
Qatar	Bener A, Zirie M, Musallam M, Khader YS, Al-Hamaq AOAA. Prevalence of metabolic syndrome according to Adult Treatment Panel III and International Diabetes Federation criteria: a population-based study. Metab Syndr Relat Disord. 2009 Jun;7(3):221–9.	2007
Romania	Eurobarometer	2005
Romania	Health Behaviour in School-Aged Children	2005, 2009
Russia	Russia Longitudinal Monitoring Survey	1992-2003
Russia	WHO Study on Global Ageing and Adult Health (SAGE)	2007
Russia	World Health Survey (WHS)	2003
Russia	Health Behaviour in School-Aged Children	2001, 2005, 2009
Russia	International Social Survey Programme (ISSP)	2007, 2011
Russia	Jahns L, Adair L, Mroz T, Popkin BM. The declining prevalence of overweight among Russian children: income, diet, and physical activity behavior changes. Econ Hum Biol. 2012 Mar;10(2):139–46.	1995
Rwanda	Demographic and Health Survey (DHS)	1992, 2000, 2005, 2010
Rwanda	Multiple Indicator Cluster Survey (MICS)	2000

Country Name	Survey Name	Years
Saint Lucia	Gardner K, Bird J, Canning PM, Frizzell LM, Smith LM. Prevalence of overweight, obesity and underweight among 5-year-old children in Saint Lucia by three methods of classification and a comparison with historical rates. Child Care Health Dev. 2011 Jan;37(1):143–9.	2006
Samoa	STEPS Noncommunicable Disease Risk Factors Survey	2002
Sao Tome and Principe	Demographic and Health Survey (DHS)	2008
Sao Tome and Principe	STEPS Noncommunicable Disease Risk Factors Survey	2008
Saudi Arabia	Saudi Arabia Health Interview Survey	2013
Saudi Arabia	STEPS Noncommunicable Disease Risk Factors Survey	2004
Saudi Arabia	Al-Baghli NA, Al-Ghamdi AJ, Al-Turki KA, El-Zubaier AG, Al-Ameer MM, Al-Baghli FA. Overweight and obesity in the eastern province of Saudi Arabia. Saudi Med J. 2008 Sep;29(9):1319–25.	2004
Saudi Arabia	Al-Nozha MM, Al-Mazrou YY, Al-Maatouq MA, Arafah MR, Khalil MZ, Khan NB, Al-Marzouki K, Abdullah MA, Al-Khadra AH, Al-Harthi SS, Al-Shahid MS, Al-Mobeireek A, Nouh MS. Obesity in Saudi Arabia. Saudi Med J. 2005 May;26(5):824–9.	1995

Country Name	Survey Name	Years
Saudi Arabia	Al-Othaimeen AI, Al-Nozha M, Osman AK. Obesity: an emerging problem in Saudi Arabia. Analysis of data from the National Nutrition Survey. East. Mediterr. Health J. 2007 Apr;13(2):441–8.	1985
Saudi Arabia	Amin TT, Al-Sultan AI, Ali A. Overweight and obesity and their relation to dietary habits and socio-demographic characteristics among male primary school children in Al-Hassa, Kingdom of Saudi Arabia. Eur J Nutr. 2008 Sep;47(6):310–8.	2005
Saudi Arabia	El-Hazmi MAF, Warsy AS. A comparative study of prevalence of overweight and obesity in children in different provinces of Saudi Arabia. J. Trop. Pediatr. 2002 Jun;48(3):172–7.	1994
Saudi Arabia	Osman AK, al-Nozha MM. Risk factors of coronary artery disease in different regions of Saudi Arabia. East. Mediterr. Health J. 2000 May;6(2-3):465–74.	1989
Saudi Arabia	al-Nuaim AR, al-Rubeaan K, al-Mazrou Y, al-Attas O, al-Daghari N, Khoja T. High prevalence of overweight and obesity in Saudi Arabia. Int. J. Obes. Relat. Metab. Disord. 1996 Jun;20(6):547–52.	1990
Senegal	Demographic and Health Survey (DHS)	1986, 1992, 2005, 2010
Senegal	Multiple Indicator Cluster Survey (MICS)	2000

Country Name	Survey Name	Years
Senegal	Pessinaba S, Mbaye A, Kane A, Guene BD, Mbaye Ndour M, Niang K, Jobe M, Cazaubon M, Mathieu J-BS, Kane M, Sow DD, Diack B, Kane A. [Screening for asymptomatic peripheral arterial occlusive disease of the lower limbs by measuring the ankle-brachial index in the general population (Senegal)]. J Mal Vasc. 2012 Jul;37(4):195–200.	2010
Serbia	Multiple Indicator Cluster Survey (MICS)	1999, 2005, 2010
Serbia	Serbia National Health Survey	2006
Seychelles	STEPS Noncommunicable Disease Risk Factors Survey	1989, 2004
Seychelles	Bovet P, Chiolero A, Shamlaye C, Paccaud F. Prevalence of overweight in the Seychelles: 15 year trends and association with socio-economic status. Obes Rev. 2008 Nov;9(6):511–7.	1989, 1994, 2004
Seychelles	Chiolero A, Madeleine G, Gabriel A, Burnier M, Paccaud F, Bovet P. Prevalence of elevated blood pressure and association with overweight in children of a rapidly developing country. J Hum Hypertens. 2007 Feb;21(2):120–7.	2002
Seychelles	Tappy L, Bovet P, Shamlaye C. Prevalence of diabetes and obesity in the adult population of the Seychelles. Diabet. Med. 1991 Jun;8(5):448–52.	1988
Sierra Leone	Demographic and Health Survey (DHS)	2008

Country Name	Survey Name	Years
Sierra Leone	STEPS Noncommunicable Disease Risk Factors Survey	2009
Sierra Leone	Multiple Indicator Cluster Survey (MICS)	2000, 2005, 2010
Singapore	Singapore National Health Survey	1998, 2004, 2010
Singapore	Singapore National Health Surveillance Survey 2007	2007
Singapore	Subramaniam M, Picco L, He V, Vaingankar JA, Abdin E, Verma S, Rekhi G, Yap M, Lee J, Chong SA. Body mass index and risk of mental disorders in the general population: results from the Singapore Mental Health Study. J Psychosom Res. 2013 Feb;74(2):135–41.	2009
Slovakia	International Social Survey Programme (ISSP)	2007
Slovakia	Slovakia National Anthropometic Survey	2001
Slovakia	Eurobarometer	2005
Slovakia	World Health Survey (WHS)	2003
Slovakia	WHO Multicountry Survey on Health and Health System Responsiveness	2000
Slovakia	Health Behaviour in School-Aged Children 2005/2006	2005, 2009
Slovenia	International Social Survey Programme (ISSP)	2011
Slovenia	Survey of Health, Ageing and Retirement in Europe (SHARE)	2011
Slovenia	European Health Interview Survey	2007
Slovenia	Eurobarometer	2005
Slovenia	Health Behaviour in School-Aged Children	2001, 2005, 2009

Country Name	Survey Name	Years
Slovenia	Brug J, van Stralen MM, Te Velde SJ, Chinapaw MJM, De Bourdeaudhuij I, Lien N, Bere E, Maskini V, Singh AS, Maes L, Moreno L, Jan N, Kovacs E, Lobstein T, Manios Y. Differences in weight status and energy-balance related behaviors among schoolchildren across Europe: the ENERGY-project. PLoS ONE. 2012;7(4):e34742.	2010
Slovenia	Leskosek B, Strel J, Kovac M. Overweight and obesity in Slovenian schoolgirls, 1991-2006. Coll Antropol. 2010 Dec;34(4):1303–8.	1991-2006
Slovenia	Starc G, Strel J. Tracking excess weight and obesity from childhood to young adulthood: a 12-year prospective cohort study in Slovenia. Public Health Nutr. 2011 Jan;14(1):49–55.	2008
Slovenia	Wijnhoven TMA, van Raaij JMA, Spinelli A, Rito AI, Hovengen R, Kunesova M, Starc G, Rutter H, Sjöberg A, Petrauskiene A, O'Dwyer U, Petrova S, Farrugia Sant'angelo V, Wauters M, Yngve A, Rubana I-M, Breda J. WHO European Childhood Obesity Surveillance Initiative 2008: weight, height and body mass index in 6-9-year-old children. Pediatr Obes. 2013 Apr;8(2):79–97.	2007
Solomon Islands	STEPS Noncommunicable Disease Risk Factors Survey	2005
Somalia	Multiple Indicator Cluster Survey (MICS)	2006

Country Name	Survey Name	Years
South Africa	The South African National Health and Nutrition Examination Survey (SANational Health and Nutrition Examination Survey (NHANES)-1)	2013
South Africa	Demographic and Health Survey (DHS)	1998, 2003
South Africa	South Africa Integrated Family Survey	1999
South Africa	South Africa Kwazulu Natal Income DynaMultiple Indicator Cluster Survey (MICS) Study	1993, 1998, 2004
South Africa	Armstrong MEG, Lambert MI, Sharwood KA, Lambert EV. Obesity and overweight in South African primary school children -- the Health of the Nation Study. S. Afr. Med. J. 2006 May;96(5):439–44.	2001
South Africa	Kruger R, Kruger HS, Macintyre UE. The determinants of overweight and obesity among 10- to 15-year-old schoolchildren in the North West Province, South Africa - the THUSA BANA (Transition and Health during Urbanisation of South Africans; BANA, children) study. Public Health Nutr. 2006 May;9(3):351–8.	2000
South Africa	National Income Dynamics Study	2008, 2010, 2012
South Korea	International Social Survey Programme (ISSP)	2007, 2011
South Korea	Korean Longitudinal Study of Aging	2006
South Korea	National Health and Examination of Nutrition Survey	1998, 2001, 2005, 2007, 2008, 2009, 2011

Country Name	Survey Name	Years
South Korea	Jones DW, Kim JS, Andrew ME, Kim SJ, Hong YP. Body mass index and blood pressure in Korean men and women: the Korean National Blood Pressure Survey. J. Hypertens. 1994 Dec;12(12):1433–7.	1990
South Korea	Lee K, Lee S, Kim SY, Kim SJ, Kim YJ. Percent body fat cutoff values for classifying overweight and obesity recommended by the International Obesity Task Force (IOTF) in Korean children. Asia Pac J Clin Nutr. 2007;16(4):649–55.	2003
South Korea	Lee K, Song Y-M. Parent-reported appetite of a child and the child's weight status over a 2-year period in Korean children. J Am Diet Assoc. 2007 Apr;107(4):678–80.	2001
South Sudan	Multiple Indicator Cluster Survey (MICS)	2000
Spain	Survey of Health, Ageing and Retirement in Europe (SHARE)	2004, 2007, 2011
Spain	World Health Survey (WHS)	2003
Spain	Spain National Health Survey	1987, 1993, 1995, 1997, 2001, 2003, 2006, 2011
Spain	Health Behaviour in School-Aged Children	2001, 2005, 2009
Spain	The ALADINO Study: A National Study of Prevalence of Overweight and Obesity in Spanish Children in 2011	2010
Spain	Eurobarometer	1989, 2005

Country Name	Survey Name	Years
Spain	Alvarez-Torices JC, Franch-Nadal J, Alvarez-Guisasola F, Hernandez-Mejia R, Cueto-Espinar A. Self-reported height and weight and prevalence of obesity. Study in a Spanish population. Int. J. Obes. Relat. Metab. Disord. 1993 Nov;17(11):663–7.	1990
Spain	Brug J, van Stralen MM, Te Velde SJ, Chinapaw MJM, De Bourdeaudhuij I, Lien N, Bere E, Maskini V, Singh AS, Maes L, Moreno L, Jan N, Kovacs E, Lobstein T, Manios Y. Differences in weight status and energy-balance related behaviors among schoolchildren across Europe: the ENERGY-project. PLoS ONE. 2012;7(4):e34742.	2010
Spain	Buckland G, Salas-Salvadó J, Roure E, Bulló M, Serra-Majem L. Sociodemographic risk factors associated with metabolic syndrome in a Mediterranean population. Public Health Nutr. 2008 Dec;11(12):1372–8.	2002
Spain	Buckland GG, Salas-Salvadó J, Serra-Majem L, Castell C, Cabré J, Salleras-Sanmartí L. Increase in metabolic syndrome as defined by ATPIII from 1992-1993 to 2002-2003 in a Mediterranean population. Nutr. Rev. 2009 May;67 Suppl 1:S117–125.	1992

Country Name	Survey Name	Years
Spain	Gonzalez Barcala FJ, Pertega S, Bamonde L, Garnelo L, Perez Castro T, Sampedro M, Sanchez Lastres J, San Jose Gonzalez MA, Lopez Silvarrey A. Mediterranean diet and asthma in Spanish schoolchildren. Pediatr Allergy Immunol. 2010 Nov;21(7):1021–7.	2006
Spain	González-Molero I, Rojo-Martínez G, Morcillo S, Gutierrez C, Rubio E, Pérez-Valero V, Esteva I, Ruiz de Adana MS, Almaraz MC, Colomo N, Olveira G, Soriguer F. Hypovitaminosis D and incidence of obesity: a prospective study. Eur J Clin Nutr. 2013 Jun;67(6):680–2.	1996, 2002, 2005
Spain	Gutiérrez-Fisac JL, León-Muñoz LM, Regidor E, Banegas J, Rodríguez-Artalejo F. Trends in obesity and abdominal obesity in the older adult population of Spain (2000-2010). Obes Facts. 2013;6(1):1–8.	2000, 2008
Spain	Gutiérrez-Fisac JL, López E, Banegas JR, Graciani A, Rodríguez-Artalejo F. Prevalence of overweight and obesity in elderly people in Spain. Obesity research. 2004;12(4):710–5.	2000
Spain	Huerta JM, Tormo MJ, Egea-Caparrós JM, Ortolá-Devesa JB, Navarro C. Accuracy of self-reported diabetes, hypertension and hyperlipidemia in the adult Spanish population. DINO study findings. Rev Esp Cardiol. 2009 Feb;62(2):143–52.	2000

Country Name	Survey Name	Years
Spain	Khader YS, Batieha A, Jaddou H, Batieha Z, El-Khateeb M, Ajlouni K. Metabolic abnormalities associated with obesity in children and adolescents in Jordan. Int J Pediatr Obes. 2011 Aug;6(3-4):215–22.	1993
Spain	Martín-López R, Pérez-Farinós N, Hernández-Barrera V, de Andres AL, Carrasco-Garrido P, Jiménez-García R. The association between excess weight and self-rated health and psychological distress in women in Spain. Public Health Nutr. 2011 Jul;14(7):1259–65.	2006
Spain	Martínez-Vizcaíno V, Sánchez López M, Moya Martínez P, Solera Martinez M, Notario Pacheco B, Salcedo Aguilar F, Rodríguez-Artalejo F. Trends in excess weight and thinness among Spanish schoolchildren in the period 1992-2004: the Cuenca study. Public Health Nutr. 2009 Jul;12(7):1015–8.	2004
Spain	Muniz J, Hervada J, Juane R, Lopez-Rodriguez I, Castro-Beiras A. Prevalence of diabetes mellitus in the population aged 40-69 years in Galicia, northwest Spain. Diabetes Res. Clin. Pract. 1995 Nov;30(2):137–42.	1992
Spain	Ottova V, Erhart M, Rajmil L, Dettenborn-Betz L, Ravens-Sieberer U. Overweight and its impact on the health-related quality of life in children and adolescents: results from the European KIDSCREEN survey. Qual Life Res. 2012 Feb;21(1):59–69.	2003

Country Name	Survey Name	Years
Spain	Regidor E, Banegas JR, Gutiérrez-Fisac JL, Domínguez V, Rodríguez-Artalejo F. Influence of childhood socioeconomic circumstances, height, and obesity on pulse pressure and systolic and diastolic blood pressure in older people. J Hum Hypertens. 2006 Jan;20(1):73–82.	2000
Spain	Rodríguez-Martín A, Novalbos Ruiz JP, Martínez Nieto JM, Escobar Jiménez L. Life-style factors associated with overweight and obesity among Spanish adults. Nutr Hosp. 2009 Apr;24(2):144–51.	2006
Spain	Roskam A-JR, Kunst AE. The predictive value of different socio-economic indicators for overweight in nine European countries. Public Health Nutr. 2008 Dec;11(12):1256–66.	2000
Spain	Salcedo V, Gutiérrez-Fisac JL, Guallar-Castillón P, Rodríguez-Artalejo F. Trends in overweight and misperceived overweight in Spain from 1987 to 2007. Int J Obes (Lond). 2010 Dec;34(12):1759–65.	1987, 1995, 2001, 2006
Spain	Serra-Majem L, Aranceta Bartrina J, Pérez-Rodrigo C, Ribas-Barba L, Delgado-Rubio A. Prevalence and deteminants of obesity in Spanish children and young people. Br. J. Nutr. 2006 Aug;96 Suppl 1:S67–72.	1998

Country Name	Survey Name	Years
Spain	Serrano-Sanchez JA, Lera-Navarro A, Dorado-García C, González-Henriquez JJ, Sanchis-Moysi J. Contribution of individual and environmental factors to physical activity level among Spanish adults. PLoS ONE. 2012;7(6):e38693.	2004
Spain	Vázquez FL, Díaz O, Pomar C. Prevalence of overweight and obesity among preadolescent schoolchildren in Galicia, Spain. Child Care Health Dev. 2010 May;36(3):392–5.	2007
Spain	Yngve A, De Bourdeaudhuij I, Wolf A, Grjibovski A, Brug J, Due P, Ehrenblad B, Elmadfa I, Franchini B, Klepp K-I, Poortvliet E, Rasmussen M, Thorsdottir I, Perez Rodrigo C. Differences in prevalence of overweight and stunting in 11-year olds across Europe: The Pro Children Study. Eur J Public Health. 2008 Apr;18(2):126–30.	2003
Sri Lanka	STEPS Noncommunicable Disease Risk Factors Survey	2003, 2006
Sri Lanka	Demographic and Health Survey	2006
Sri Lanka	WHO STEPS Global School-Based Health Survey (GSHS)	2008
Sri Lanka	Demographic and Health Survey (DHS)	1987

Country Name	Survey Name	Years
Sri Lanka	Wijewardene K, Mohideen MR, Mendis S, Fernando DS, Kulathilaka T, Weerasekara D, Uluwitta P. Prevalence of hypertension, diabetes and obesity: baseline findings of a population based survey in four provinces in Sri Lanka. The Ceylon medical journal. 2005;50(2):62–70.	2001
Sudan	Multiple Indicator Cluster Survey (MICS)	2000
Suriname	WHO STEPS Global School-Based Health Survey (GSHS)	2009
Suriname	Multiple Indicator Cluster Survey (MICS)	2006, 2010
Swaziland	Demographic and Health Survey (DHS)	2006
Swaziland	Multiple Indicator Cluster Survey (MICS)	2000, 2010
Swaziland	STEPS Noncommunicable Disease Risk Factors Survey	2007
Sweden	Eurobarometer	2005
Sweden	National Food Consumption Survey	1997, 2003, 2010
Sweden	Sweden National Survey of Public Health	2004-2012
Sweden	Survey of Health, Ageing and Retirement in Europe (SHARE)	2004, 2007, 2011
Sweden	Health Behaviour in School-Aged Children	2001, 2005, 2009
Sweden	International Social Survey Programme (ISSP)	2011
Sweden	World Health Survey (WHS)	2003
Sweden	Alm A, Fåhraeus C, Wendt L-K, Koch G, Andersson-Gäre B, Birkhed D. Body adiposity status in teenagers and snacking habits in early childhood in relation to approximal caries at 15 years of age. Int J Paediatr Dent. 2008 May;18(3):189–96.	2000

Country Name	Survey Name	Years
Sweden	Djärv T, Wikman A, Nordenstedt H, Johar A, Lagergren J, Lagergren P. Physical activity, obesity and gastroesophageal reflux disease in the general population. World J. Gastroenterol. 2012 Jul 28;18(28):3710–4.	2008
Sweden	Ekblom O, Oddsson K, Ekblom B. Prevalence and regional differences in overweight in 2001 and trends in BMI distribution in Swedish children from 1987 to 2001. Scand J Public Health. 2004;32(4):257–63.	2001
Sweden	Ekbäck G, Näslund I, Montgomery SM, Ordell S. Self-perceived oral health and obesity among 65 years old in two Swedish counties. Swed Dent J. 2010;34(4):207–15.	2007
Sweden	Gerdin EW, Angbratt M, Aronsson K, Eriksson E, Johansson I. Dental caries and body mass index by socio-economic status in Swedish children. Community Dent Oral Epidemiol. 2008 Oct;36(5):459–65.	1995, 1996, 1998, 2001
Sweden	Hansson LM, Rasmussen F. Predictors of 10-year-olds' obesity stereotypes: A population-based study. Int J Pediatr Obes. 2010;5(1):25–33.	2005
Sweden	Hassing LB, Dahl AK, Pedersen NL, Johansson B. Overweight in midlife is related to lower cognitive function 30 years later: a prospective study with longitudinal assessments. Dement Geriatr Cogn Disord. 2010;29(6):543–52.	1991

Country Name	Survey Name	Years
Sweden	Lager ACJ, Fossum B, Rörvall G, Bremberg SG. Children's overweight and obesity: local and national monitoring using electronic health records. Scand J Public Health. 2009 Mar;37(2):201–5.	2004, 2005
Sweden	Lin Y, Wolk A, Håkansson N, Peñalvo JL, Lagergren J, Adlercreutz H, Lu Y. Validation of FFQ-based assessment of dietary lignans compared with serum enterolactone in Swedish women. Br. J. Nutr. 2013 May 28;109(10):1873–80.	2003
Sweden	Lissner L, Mehlig K, Sjöberg A, Chaplin J, Niklasson A, Albertsson-Wikland K. Secular trends in weight, height and BMI in young Swedes: the "Grow up Gothenburg" studies. Acta Paediatr. 2013 Mar;102(3):314–7.	1992, 2008
Sweden	Löfdahl HE, Lane A, Lu Y, Lagergren P, Harvey RF, Blazeby JM, Lagergren J. Increased population prevalence of reflux and obesity in the United Kingdom compared with Sweden: a potential explanation for the difference in incidence of esophageal adenocarcinoma. Eur J Gastroenterol Hepatol. 2011 Feb;23(2):128–32.	2008

Country Name	Survey Name	Years
Sweden	Mårild S, Bondestam M, Bergström R, Ehnberg S, Hollsing A, Albertsson-Wikland K. Prevalence trends of obesity and overweight among 10-year-old children in western Sweden and relationship with parental body mass index. Acta Paediatr. 2004 Dec;93(12):1588–95.	2000
Sweden	Rasmussen F, Eriksson M, Nordquist T. Bias in height and weight reported by Swedish adolescents and relations to body dissatisfaction: the COMPASS study. Eur J Clin Nutr. 2007 Jul;61(7):870–6.	2000
Sweden	Sjöberg A, Moraeus L, Yngve A, Poortvliet E, Al-Ansari U, Lissner L. Overweight and obesity in a representative sample of schoolchildren - exploring the urban-rural gradient in Sweden. Obes Rev. 2011 May;12(5):305–14.	2008
Sweden	Sundquist J, Johansson S-E, Sundquist K. Levelling off of prevalence of obesity in the adult population of Sweden between 2000/01 and 2004/05. BMC Public Health. 2010;10:119.	2000, 2004
Sweden	Uddenfeldt M, Janson C, Lampa E, Leander M, Norbäck D, Larsson L, Rask-Andersen A. High BMI is related to higher incidence of asthma, while a fish and fruit diet is related to a lower- Results from a long-term follow-up study of three age groups in Sweden. Respir Med. 2010 Jul;104(7):972–80.	2003

Country Name	Survey Name	Years
Sweden	Werner B, Bodin L. Obesity in Swedish schoolchildren is increasing in both prevalence and severity. J Adolesc Health. 2007 Dec;41(6):536–43.	1981
Sweden	Wijnhoven TMA, van Raaij JMA, Spinelli A, Rito AI, Hovengen R, Kunesova M, Starc G, Rutter H, Sjöberg A, Petrauskiene A, O'Dwyer U, Petrova S, Farrugia Sant'angelo V, Wauters M, Yngve A, Rubana I-M, Breda J. WHO European Childhood Obesity Surveillance Initiative 2008: weight, height and body mass index in 6-9-year-old children. Pediatr Obes. 2013 Apr;8(2):79–97.	2007
Sweden	Yngve A, De Bourdeaudhuij I, Wolf A, Grjibovski A, Brug J, Due P, Ehrenblad B, Elmadfa I, Franchini B, Klepp K-I, Poortvliet E, Rasmussen M, Thorsdottir I, Perez Rodrigo C. Differences in prevalence of overweight and stunting in 11-year olds across Europe: The Pro Children Study. Eur J Public Health. 2008 Apr;18(2):126–30.	2003
Sweden	Österberg T, Dey DK, Sundh V, Carlsson GE, Jansson J-O, Mellström D. Edentulism associated with obesity: a study of four national surveys of 16 416 Swedes aged 55&Acta Odontol. Scand. 2010 Nov;68(6):360–7.	1980, 1988, 1996, 2002
Switzerland	Switzerland Health Survey	1992, 1997, 2002, 2007, 2012
Switzerland	International Social Survey Programme (ISSP)	2011
Switzerland	Health Behaviour in School-Aged Children	2001, 2005, 2009

Country Name	Survey Name	Years
Switzerland	Survey of Health, Ageing and Retirement in Europe (SHARE)	2004, 2007, 2011
Switzerland	Chamay Weber C, Haller DM, Narring F. Is there a role for primary care physicians' screening of excessive weight and eating concerns in adolescence? J. Pediatr. 2010 Jul;157(1):32–5.	2002
Switzerland	DeRoo LA, Vlastos AT, Mock P, Vlastos G, Morabia A. Comparison of women's breast cancer risk factors in Geneva, Switzerland and Shanghai, China. Prev Med. 2010 Dec;51(6):497–501.	1996
Switzerland	Lasserre AM, Chiolero A, Cachat F, Paccaud F, Bovet P. Overweight in Swiss children and associations with children's and parents' characteristics. Obesity (Silver Spring). 2007 Dec;15(12):2912–9.	2005
Switzerland	Ottova V, Erhart M, Rajmil L, Dettenborn-Betz L, Ravens-Sieberer U. Overweight and its impact on the health-related quality of life in children and adolescents: results from the European KIDSCREEN survey. Qual Life Res. 2012 Feb;21(1):59–69.	2003
Syria	WHO Multicountry Survey on Health and Health System Responsiveness	2000
Syria	STEPS Noncommunicable Disease Risk Factors Survey	2003
Syria	WHO STEPS Global School-Based Health Survey (GSHS)	2010
Syria	Multiple Indicator Cluster Survey (MICS)	2006

Country Name	Survey Name	Years
Taiwan	1998 National Health Interview Survey of Drug Abuse	1998
Taiwan	International Social Survey Programme (ISSP)	2012
Taiwan	National Health Interview Survey	2009
Taiwan	Chen L-J, Haase AM, Fox KR. Physical activity among adolescents in Taiwan. Asia Pac J Clin Nutr. 2007;16(2):354–61.	2001
Taiwan	Chen LJ, Fox KR, Haase A, Wang JM. Obesity, fitness and health in Taiwanese children and adolescents. Eur J Clin Nutr. 2006 Dec;60(12):1367–75.	1999, 2001
Taiwan	Chiu HC, Chang HY, Mau LW, Lee TK, Liu HW. Height, weight, and body mass index of elderly persons in Taiwan. J. Gerontol. A Biol. Sci. Med. Sci. 2000 Nov;55(11):M684–690.	1989
Taiwan	Hu H-Y, Chou Y-J, Chou P, Chen L-K, Huang N. Association between obesity and injury among Taiwanese adults. Int J Obes (Lond). 2009 Aug;33(8):878–84.	2001
Taiwan	Huang K-C, Lee M-S, Lee S-D, Chang Y-H, Lin Y-C, Tu S-H, Pan W-H. Obesity in the elderly and its relationship with cardiovascular risk factors in Taiwan. Obes. Res. 2005 Jan;13(1):170–8.	1999
Taiwan	Liou T-H, Huang Y-C, Chou P. Prevalence and secular trends in overweight and obese Taiwanese children and adolescents in 1991-2003. Ann. Hum. Biol. 2009 Apr;36(2):176–85.	1991, 1997, 2003

Country Name	Survey Name	Years
Taiwan	Pu C, Chou Y-J. Health ratings for underweight, overweight and obese adolescents: disparities between adolescent's own report and the parent's report. Asia Pac J Clin Nutr. 2010;19(2):180–7.	2003
Tajikistan	Micronutrient Status Survey in Tajikistan	2003
Tajikistan	Demographic and Health Survey (DHS)	2012
Tajikistan	Multiple Indicator Cluster Survey (MICS)	2005
Tajikistan	Tajikistan Micronutrient Status Survey 2009	2009
Tanzania	Demographic and Health Survey (DHS)	1991, 1996, 1999, 2004, 2009
Tanzania	STEPS Noncommunicable Disease Risk Factors Survey	2011, 2012
Tanzania	World Bank - Living Standards and Measurement Survey (LSMS)	2004, 2010
Tanzania	Core Welfare Indicators Questionairre Survey (CWIQ)	2006
Thailand	Multiple Indicator Cluster Survey (MICS)	2005
Thailand	Demographic and Health Survey (DHS)	1987
Thailand	National Health Examination Survey (NHES)	2003
Thailand	WHO STEPS Global School-Based Health Survey (GSHS)	2008
Thailand	Rerksuppaphol S, Rerksuppaphol L. Prevalence of overweight and obesity among school children in suburb Thailand defined by the International Obesity Task Force Standard. [corrected]. J Med Assoc Thai. 2010 Feb;93 Suppl 2:S27–31.	2007

Country Name	Survey Name	Years
Thailand	Tangtrakulwanich B, Suwanno P. Epidemiology and risk factors of patellofemoral osteoarthritis in adults: a population-based study in southern Thailand. J Med Assoc Thai. 2012 Aug;95(8):1048–52.	2008
Thailand	The InterASIA Collaborative Group. Cardiovascular risk factor levels in urban and rural Thailand - The International Collaborative Study of Cardiovascular Disease in Asia (InterASIA). EUROPEAN JOURNAL OF CARDIOVASCULAR PREVENTION AND REHABILITATION. 2003;10(4):249–57.	2000
Thailand	National Health Examination Survey	2008
The Bahamas	Brathwaite N, Brathwaite A, Taylor M. The socio-economic determinants of obesity in adults in the Bahamas. West Indian Med J. 2011 Jul;60(4):434–41.	2001
The Gambia	Multiple Indicator Cluster Survey (MICS)	2000, 2005
The Gambia	STEPS Noncommunicable Disease Risk Factors Survey	2010
Timor-Leste	Demographic and Health Survey (DHS)	2009
Timor-Leste	Ramke J, Brian G. BMI among Timorese aged ? 40 years. Public Health Nutr. 2012 Nov;15(11):2118–23.	2009
Togo	STEPS Noncommunicable Disease Risk Factors Survey	2010
Togo	Multiple Indicator Cluster Survey (MICS)	2006, 2010
Togo	Demographic and Health Survey (DHS)	1988, 1998

Country Name	Survey Name	Years
Tonga	STEPS Noncommunicable Disease Risk Factors Survey	2004
Tonga	WHO STEPS Global School-Based Health Survey (GSHS)	2010
Tonga	Smith BJ, Phongsavan P, Havea D, Halavatau V, Chey T. Body mass index, physical activity and dietary behaviours among adolescents in the Kingdom of Tonga. Public Health Nutr. 2007 Feb;10(2):137–44.	2000
Trinidad and Tobago	Demographic and Health Survey (DHS)	1987
Trinidad and Tobago	STEPS Noncommunicable Disease Risk Factors Survey	2011
Trinidad and Tobago	Multiple Indicator Cluster Survey (MICS)	2000
Trinidad and Tobago	Mungrue K, Fyzul A, Ramroop S, Persad T, Asgarali A. Are teenagers at risk for developing cardiovascular disease in later life? Int J Adolesc Med Health. 2013;25(1):75–80.	2010
Tunisia	Demographic and Health Survey (DHS)	1988
Tunisia	Aounallah-Skhiri H, Ben Romdhane H, Maire B, Elkhdim H, Eymard-Duvernay S, Delpeuch F, Achour N. Health and behaviours of Tunisian school youth in an era of rapid epidemiological transition. East. Mediterr. Health J. 2009 Oct;15(5):1201–14.	2005

Country Name	Survey Name	Years
Tunisia	Aounallah-Skhiri H, Romdhane HB, Traissac P, Eymard-Duvernay S, Delpeuch F, Achour N, Maire B. Nutritional status of Tunisian adolescents: associated gender, environmental and socio-economic factors. Public Health Nutr. 2008 Dec;11(12):1306–17.	2004
Turkey	Eurobarometer	2005
Turkey	Turkey Prevalence, Awareness, Treatment and Control of Hypertension Study 2003	2003
Turkey	Turkey Chronic Diseases and Risk Factors Study 2011	2011
Turkey	Health Behaviour in School-Aged Children	2005, 2009
Turkey	Turkey Health Interview Survey 2008	2008
Turkey	Turkey Hypertension Prevalence Study 2012	2012
Turkey	CREDIT Survey 2010	2010
Turkey	Demographic and Health Survey (DHS)	1993, 1998, 2003
Turkey	WHO Multicountry Survey on Health and Health System Responsiveness	2000
Turkey	International Social Survey Programme (ISSP)	2012
Turkey	Borici S, Agaoglu NB, Baykan OA, Agirbasli M. Blood pressure and anthropometric measurements in Albanian versus Turkish children and adolescents. Acta Cardiol. 2009 Dec;64(6):747–54.	2007
Turkey	Oguz A, Temizhan A, Abaci A, Kozan O, Erol C, Ongen Z, Celik S. Obesity and abdominal obesity; an alarming challenge for cardio-metabolic risk in Turkish adults. Anadolu Kardiyol Derg. 2008 Dec;8(6):401–6.	2005

Country Name	Survey Name	Years
Turkey	Sahin I, Yildirim B, Cetin I, Etikan I, Ozturk B, Ozyurt H, Tasliyurt T. Prevalence of chronic kidney disease in the Black Sea Region, Turkey, and investigation of the related factors with chronic kidney disease. Ren Fail. 2009;31(10):920–7.	2005
Turkey	Simsek E, Akpinar S, Bahcebasi T, Senses DA, Kocabay K. The prevalence of overweight and obese children aged 6-17 years in the West Black Sea region of Turkey. Int. J. Clin. Pract. 2008 Jul;62(7):1033–8.	2005
Turkey	Yuca SA, Yilmaz C, Cesur Y, Dogan M, Kaya A, Basaranoglu M. Prevalence of overweight and obesity in children and adolescents in eastern Turkey. J Clin Res Pediatr Endocrinol. 2010;2(4):159–63.	2006
Turkmenistan	Demographic and Health Survey	2000
Uganda	WHO STEPS Global School-Based Health Survey (GSHS)	2003
Uganda	Demographic and Health Survey (DHS)	1988, 1995, 2000, 2006, 2011
Ukraine	World Health Survey (WHS)	2003
Ukraine	Health Behaviour in School-Aged Children	2001, 2005, 2009
United Arab Emirates	WHO STEPS Global School-Based Health Survey (GSHS)	2005
United Arab Emirates	United Arab Emirates Health and Lifestyle Survey	2000

Country Name	Survey Name	Years
United Arab Emirates	Al-Haddad FH, Little BB, Abdul Ghafoor AGM. Childhood obesity in United Arab Emirates schoolchildren: a national study. Ann. Hum. Biol. 2005 Feb;32(1):72–9.	1998
United Arab Emirates	Malik M, Bakir A. Prevalence of overweight and obesity among children in the United Arab Emirates. Obes Rev. 2007 Jan;8(1):15–20.	1998
United Kingdom	Welsh Health Survey	1998, 2003, 2004, 2005, 2007, 2008, 2009, 2010, 2011, 2012
United Kingdom	British Household Panel Survey	2004, 2006
United Kingdom	Scottish Health Survey	1995, 1998, 2003, 2008, 2009, 2010, 2011, 2012
United Kingdom	International Social Survey Programme (ISSP)	2011
United Kingdom	United Kingdom Health Survey for England	1991, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011
United Kingdom	United Kingdom National Diet and Nutrition Survey 2000-2001	2000
United Kingdom	United Kingdom Dietary and Nutritional Survey of British Adults 1986-1987	1986
United Kingdom	Northern Ireland Health Survey	1997, 2005
United Kingdom	Eurobarometer	1989, 2005

Country Name	Survey Name	Years
United Kingdom	Health Behaviour in School-Aged Children	2001, 2005, 2009
United Kingdom	Fisher L, Fraser J, Alexander C. Caregivers' inability to identify childhood adiposity: a cross-sectional survey of rural children and their caregivers' attitudes. Aust J Rural Health. 2006 Apr;14(2):56–61.	2002
United Kingdom	Jebb SA, Rennie KL, Cole TJ. Prevalence of overweight and obesity among young people in Great Britain. Public Health Nutr. 2004 May;7(3):461–5.	1997
United Kingdom	Ottova V, Erhart M, Rajmil L, Dettenborn-Betz L, Ravens-Sieberer U. Overweight and its impact on the health-related quality of life in children and adolescents: results from the European KIDSCREEN survey. Qual Life Res. 2012 Feb;21(1):59–69.	2003
United Kingdom	Shiue I. Associated social factors of body mass index in adults and the very old in the UK. Int. J. Cardiol. 2013 Sep 20;168(1):543–5.	2009
United Kingdom	Steele RM, van Sluijs EMF, Cassidy A, Griffin SJ, Ekelund U. Targeting sedentary time or moderate- and vigorous-intensity activity: independent relations with adiposity in a population-based sample of 10-y-old British children. Am. J. Clin. Nutr. 2009 Nov;90(5):1185–92.	2007

Country Name	Survey Name	Years
United Kingdom	Ul-Haq Z, Mackay DF, Fenwick E, Pell JP. Impact of metabolic comorbidity on the association between body mass index and health-related quality of life: a Scotland-wide cross-sectional study of 5,608 participants. BMC Public Health. 2012;12:143.	2003
United Kingdom	Wardle J, Williamson S, Johnson F, Edwards C. Depression in adolescent obesity: cultural moderators of the association between obesity and depressive symptoms. Int J Obes (Lond). 2006 Apr;30(4):634–43.	1999
United Kingdom	Watkins DC, Murray LJ, McCarron P, Boreham CAG, Cran GW, Young IS, McGartland C, Robson PJ, Savage JM. Ten-year trends for fatness in Northern Irish adolescents: the Young Hearts Projects--repeat cross-sectional study. Int J Obes (Lond). 2005 Jun;29(6):579–85.	1989, 2000
United Kingdom	Whelton H, Harrington J, Crowley E, Kelleher V, Cronin M, Perry IJ. Prevalence of overweight and obesity on the island of Ireland: results from the North South Survey of Children's Height, Weight and Body Mass Index, 2002. BMC Public Health. 2007;7:187.	2002
United Kingdom	Yarnell JW, McCrum EE, Patterson CC, Skidmore P, Shields MD, McMahon J, Evans AE. Prevalence and awareness of excess weight in 13 and 14 year olds in Northern Ireland using recent international guidelines. Acta Paediatr. 2001 Dec;90(12):1435–9.	1996

Country Name	Survey Name	Years
United Kingdom	Yarnell JW, Voyle GJ, Sweetnam PM, Milbank J, Richards CJ, Stephenson TP. Factors associated with urinary incontinence in women. J Epidemiol Community Health. 1982 Mar;36(1):58–63.	1979
United Kingdom	UK Health and Lifestyle Survey	1984, 1991
United States	National Longitudinal Survey of Youth	1997-2011
United States	National Survey of Family Growth	2006, 2007, 2008, 2009
United States	National Longitudinal Survey of Adolescent Health	1994
United States	International Social Survey Programme (ISSP)	2012
United States	National Health Measurement Survey	2006
United States	National Survey on Drug Abuse	1995
United States	National Health and Nutrition Examination Survey (NHANES)	1988, 1999, 2001, 2003, 2005, 2007, 2009, 2011
United States	Behavioral Risk Factor Surveillance System (BRFSS)	1984-2012
United States	National Longitudinal Survey - Child/Young Adults	1986, 1988, 1990, 1992, 1994, 1996, 1998, 2000, 2002, 2004, 2006, 2008, 2010
United States	Health Behaviour in School-Aged Children	2001, 2005, 2009
United States	National Health Interview Survey (NHIS)	1980-2012
United States	Pediatric Nutrition Surveillance	2002-2011
Uruguay	International Social Survey Programme (ISSP)	2007
Uzbekistan	Multiple Indicator Cluster Survey (MICS)	2006

Country Name	Survey Name	Years
Uzbekistan	Demographic and Health Survey (DHS)	1996, 2002
Vanuatu	Multiple Indicator Cluster Survey (MICS)	2007
Vanuatu	STEPS Noncommunicable Disease Risk Factors Survey	2011
Vanuatu	Vanuatu Non-communicable Disease Survey 1998	1998
Vanuatu	Taylor R, Jalaludin B, Levy S, Montaville B, Gee K, Sladden T. Prevalence of diabetes, hypertension and obesity at different levels of urbanisation in Vanuatu. Med. J. Aust. 1991 Jul 15;155(2):86–90.	1985
Vietnam	Vietnam STEPS NCD	2009
Vietnam	Multiple Indicator Cluster Survey (MICS)	2000, 2010
Vietnam	Ly KA, Ton TGN, Ngo QV, Vo TT, Fitzpatrick AL. Double burden: a cross-sectional survey assessing factors associated with underweight and overweight status in Danang, Vietnam. BMC Public Health. 2013;13:35.	2010
Vietnam	Tuan NT, Tuong PD, Popkin BM. Body mass index (BMI) dynamics in Vietnam. Eur J Clin Nutr. 2008 Jan;62(1):78–86.	2001
Virgin Islands, British	WHO STEPS Global School-Based Health Survey (GSHS)	2009
Yemen	Demographic and Health Survey (DHS)	1991
Zambia	Demographic and Health Survey (DHS)	1992, 1996, 2001, 2007
Zambia	World Health Survey (WHS)	2003
Zambia	STEPS Noncommunicable Disease Risk Factors Survey	2008

Country Name	Survey Name	Years
Zambia	Living Conditions Monitoring Survey (LCMS)	1996, 1998, 2002, 2004, 2006, 2010
Zambia	Multiple Indicator Cluster Survey (MICS)	1999
Zimbabwe	Multiple Indicator Cluster Survey (MICS)	2009
Zimbabwe	STEPS Noncommunicable Disease Risk Factors Survey	2005
Zimbabwe	Demographic and Health Survey (DHS)	1988, 1994, 1999, 2005, 2010

Webtable 8: List of sources reviewed but excluded from the current analysis

	Survey	Years
Albania	Shapo L, Pomerleau J, McKee M, Coker R, Ylli A. Body weight patterns in a country in transition: a population-based survey in Tirana City, Albania. Public Health Nutr. 2003 Aug;6(5):471–7.	2001
Albania	Spahija B, Qirjako G, Toçi E, Roshi E, Burazeri G. Socioeconomic and lifestyle determinants of obesity in a transitional southeast European population. Med Arh. 2012;66(3 Suppl 1):16–20.	2007
Antigua and Barbuda	WHO STEPS GSHS	2009
Argentina	De Sereday MS, Gonzalez C, Giorgini D, De Loredo L, Braguinsky J, Cobeñas C, Libman C, Tesone C. Prevalence of diabetes, obesity, hypertension and hyperlipidemia in the central area of Argentina. Diabetes Metab. 2004 Sep;30(4):335–9.	1995
Argentina	Argentina National Survey of Risk Factors	2005, 2009
Australia	Dhaliwal SS, Howat P, Bejoy T, Welborn TA. Self-reported weight and height for evaluating obesity control programs. Am J Health Behav. 2010 Aug;34(4):489–99.	1989

	Survey	Years
Australia	Flicker L, McCaul KA, Hankey GJ, Jamrozik K, Brown WJ, Byles JE, Almeida OP. Body mass index and survival in men and women aged 70 to 75. J Am Geriatr Soc. 2010 Feb;58(2):234–41.	1996
Australia	Sugiyama T, Merom D, Reeves M, Leslie E, Owen N. Habitual active transport moderates the association of TV viewing time with body mass index. J Phys Act Health. 2010 Jan;7(1):11–6.	2003
Australia	Van Zutphen M, Bell AC, Kremer PJ, Swinburn BA. Association between the family environment and television viewing in Australian children. J Paediatr Child Health. 2007 Jun;43(6):458–63.	2003
Australia	WHO MONICA Databook	1983, 1988, 1989, 1994
Austria	Kirchengast S, Steiner V. Sexual dimorphism in body composition, weight status and growth in prepubertal school chiildren from rural areas of eastern Austria. Coll Antropol. 2001 Jun;25(1):21–30.	1998
Austria	Österreichische Ernährungsbericht [Austrian Nutrition Report]	2012
Bahrain	Gharib NM, Shah P. Anthropometry and body composition of school children in Bahrain. Ann Saudi Med. 2009 Aug;29(4):258–69.	1999
Bangladesh	Hussain A, Vaaler S, Sayeed MA, Mahtab H, Ali SMK, Khan AKA. Type 2 diabetes and impaired fasting blood glucose in rural Bangladesh: a population-based study. Eur J Public Health. 2007 Jun;17(3):291–6.	1999
Bangladesh	Shafique S, Akhter N, Stallkamp G, de Pee S, Panagides D, Bloem MW. Trends of under- and overweight among rural and urban poor women indicate the double burden of malnutrition in Bangladesh. Int J Epidemiol. 2007 Apr;36(2):449–57.	2000
Bangladesh	STEPS Noncommunicable Disease Risk Factors Survey	2002
Bangladesh	World Health Survey (WHS)	2003
Bangladesh	Bangladesh Urban Health Survey	2006
Barbados	Foster C, Rotimi C, Fraser H, Sundarum C, Liao Y, Gibson E, Holder Y, Hoyos M, Mellanson-King R. Hypertension, diabetes, and obesity in Barbados: findings from a recent population-based survey. Ethn Dis. 1993;3(4):404–12.	1990
Barbados	Survey on Health, Well-Being and Aging in Latin America and the Caribbean (SABE)	1999

	Survey	Years
Belgium	WHO MONICA Databook	1983, 1985, 1987, 1988, 1990
Benin	STEPS Noncommunicable Disease Risk Factors Survey	2007
Bhutan	STEPS Noncommunicable Disease Risk Factors Survey	2007
Botswana	WHO STEPS GSHS	2005
Brazil	Ramos de Marins VM, Varnier Almeida RM, Pereira RA, Barros MB. Factors associated with overweight and central body fat in the city of Rio de Janeiro: results of a two-stage random sampling survey. Public Health. 2001 May;115(3):236–42.	1995
Brazil	Survey on Health, Well-Being and Aging in Latin America and the Caribbean (SABE)	1999
Brazil	De Assis MAA, Rolland-Cachera MF, Grosseman S, de Vasconcelos FAG, Luna MEP, Calvo MCM, Barros MVG, Pires MMS, Bellisle F. Obesity, overweight and thinness in schoolchildren of the city of Florianópolis, Southern Brazil. Eur J Clin Nutr. 2005 Sep;59(9):1015–21.	2002
Brazil	De Assis MAA, Rolland-Cachera MF, de Vasconcelos FAG, Bellisle F, Conde W, Calvo MCM, Luna MEP, Ireton MJ, Grosseman S. Central adiposity in Brazilian schoolchildren aged 7-10 years. Br. J. Nutr. 2007 Apr;97(4):799–805.	2002
Brazil	Reichert FF, Azevedo MR, Breier A, Gerage AM. Physical activity and prevalence of hypertension in a population-based sample of Brazilian adults and elderly. Prev Med. 2009 Sep;49(2-3):200–4.	2003
Brazil	World Health Survey (WHS)	2003
Brazil	Guimarães JMN, de Souza Lopes C, Baima J, Sichieri R. Depression symptoms and hypothyroidism in a population-based study of middle-aged Brazilian women. J Affect Disord. 2009 Sep;117(1-2):120–3.	2004
Brazil	Oliveira AM, Oliveira AC, Almeida MS, Oliveira N, Adan L. Influence of the family nucleus on obesity in children from northeastern Brazil: a cross-sectional study. BMC Public Health. 2007;7:235.	2004
Brazil	Sichieri R, Dos Santos Barbosa F, Moura EC. Relationship between short stature and obesity in Brazil: a multilevel analysis. Br. J. Nutr. 2010 May;103(10):1534–8.	2006

	Survey	Years
Brazil	De Andrade FB, de França Caldas A Jr, Kitoko PM. Relationship between oral health, nutrient intake and nutritional status in a sample of Brazilian elderly people. Gerodontology. 2009 Mar;26(1):40–5.	2006
Brazil	Duncan S, Duncan EK, Fernandes RA, Buonani C, Bastos KD-N, Segatto AFM, Codogno JS, Gomes IC, Freitas IF Jr. Modifiable risk factors for overweight and obesity in children and adolescents from São Paulo, Brazil. BMC Public Health. 2011;11:585.	2008
Brazil	Santos Silva DA, Petroski EL, Peres MA. Is high body fat estimated by body mass index and waist circumference a predictor of hypertension in adults? A population-based study. Nutr J. 2012;11:112.	2009
Brazil	Machado EC, Silveira MF da, Silveira VMF da. Prevalence of weight-loss strategies and use of substances for weight-loss among adults: a population study. Cad Saude Publica. 2012 Aug;28(8):1439–49.	2010
Brazil	Moura EC, Claro RM. Estimates of obesity trends in Brazil, 2006-2009. Int J Public Health. 2012 Feb;57(1):127–33.	2006-2009
Burkina Faso	World Health Survey (WHS)	2003
Burkina Faso	Ouédraogo HZ, Fournet F, Martin-Prével Y, Gary J, Henry MC, Salem G. Socio-spatial disparities of obesity among adults in the urban setting of Ouagadougou, Burkina Faso. Public Health Nutr. 2008 Dec;11(12):1280–7.	2004
Cambodia	King H, Keuky L, Seng S, Khun T, Roglic G, Pinget M. Diabetes and associated disorders in Cambodia: two epidemiological surveys. Lancet. 2005 Nov 5;366(9497):1633–9.	2004
Cameroon	Pasquet P, Temgoua LS, Melaman-Sego F, Froment A, Rikong-Adié H. Prevalence of overweight and obesity for urban adults in Cameroon. Ann. Hum. Biol. 2003 Oct;30(5):551–62.	1998
Cameroon	Kamadjeu RM, Edwards R, Atanga JS, Kiawi EC, Unwin N, Mbanya J-C. Anthropometry measures and prevalence of obesity in the urban adult population of Cameroon: an update from the Cameroon Burden of Diabetes Baseline Survey. BMC Public Health. 2006;6:228.	2003
Cameroon	STEPS Noncommunicable Disease Risk Factors Survey	2003
Canada	WHO MONICA Databook	1985, 1995
Central African Republic	STEPS Noncommunicable Disease Risk Factors Survey	2010

	Survey	Years
Chad	World Health Survey (WHS)	2003
Chad	STEPS Noncommunicable Disease Risk Factors Survey	2008
Chile	Survey on Health, Well-Being and Aging in Latin America and the Caribbean (SABE)	1999
China	Zheng W, Chow W-H, Yang G, Jin F, Rothman N, Blair A, Li H-L, Wen W, Ji B-T, Li Q, Shu X-O, Gao Y-T. The Shanghai Women's Health Study: rationale, study design, and baseline characteristics. Am. J. Epidemiol. 2005 Dec 1;162(11):1123–31.	1996
China	Qin Y, Melse-Boonstra A, Pan X, Yuan B, Dai Y, Zhao J, Zimmermann MB, Kok FJ, Zhou M, Shi Z. Anemia in relation to body mass index and waist circumference among Chinese women. Nutr J. 2013;12:10.	2002
China	Lee S-A, Wen W, Xu WH, Zheng W, Li H, Yang G, Xiang Y-B, Shu X-O. Prevalence of obesity and correlations with lifestyle and dietary factors in Chinese men. Obesity (Silver Spring). 2008 Jun;16(6):1440–7.	2002
China	Sung RYT, Yu CCW, Choi KC, McManus A, Li AMC, Xu SLY, Chan D, Lo AFC, Chan JCN, Fok TF. Waist circumference and body mass index in Chinese children: cutoff values for predicting cardiovascular risk factors. Int J Obes (Lond). 2007 Mar;31(3):550–8.	2002
China	Xie B, Chou C-P, Spruijt-Metz D, Reynolds K, Clark F, Palmer PH, Gallaher P, Sun P, Guo Q, Johnson CA. Socio-demographic and economic correlates of overweight status in Chinese adolescents. Am J Health Behav. 2007 Aug;31(4):339–52.	2002
China	World Health Survey (WHS)	2002
China	Hou X, Jia W, Bao Y, Lu H, Jiang S, Zuo Y, Gu H, Xiang K. Risk factors for overweight and obesity, and changes in body mass index of Chinese adults in Shanghai. BMC Public Health. 2008;8:389.	2003
China	Li M, Dibley MJ, Sibbritt D, Yan H. An assessment of adolescent overweight and obesity in Xi'an City, China. Int J Pediatr Obes. 2006;1(1):50–8.	2004
China	Tian H, Xie H, Song G, Zhang H, Hu G. Prevalence of overweight and obesity among 2.6 million rural Chinese adults. Prev Med. 2009 Jan;48(1):59–63.	2004
China	Zhang X, Sun Z, Zhang X, Zheng L, Liu S, Xu C, Li J, Zhao F, Li J, Hu D, Sun Y. Prevalence and associated factors of overweight and obesity in a Chinese rural population. Obesity (Silver Spring). 2008 Jan;16(1):168–71.	2004

	Survey	Years
China	Mak KK, Ho SY, Lo WS, Thomas NG, McManus AM, Lam TH. The use of waist-to-stature ratio to identify underweight and overweight in adolescents. Int J Pediatr Obes. 2010 Oct;5(5):390–5.	2006
China	Xu Y-Q, Ji C-Y. Prevalence of the metabolic syndrome in secondary school adolescents in Beijing, China. Acta Paediatr. 2008 Mar;97(3):348–53.	2006
China	Mak K-K, Lai C-M. Assessment of dietary restraint: psychometric properties of the revised restraint scale in Hong Kong adolescents. Int J Behav Med. 2012 Jun;19(2):199–207.	2007
China	Ma Y-N, Chen T, Wang D, Liu M-M, He Q-C, Dong G-H. Prevalence of overweight and obesity among preschool children from six cities of northeast China. Arch. Med. Res. 2011 Oct;42(7):633–40.	2008
China	Dong Q, Liu J-J, Zheng R-Z, Dong Y-H, Feng X-M, Li J, Huang F. Obesity and depressive symptoms in the elderly: a survey in the rural area of Chizhou, Anhui province. Int J Geriatr Psychiatry. 2013 Mar;28(3):227–32.	2010
China	Xiao Y, Zhao N, Wang H, Zhang J, He Q, Su D, Zhao M, Wang L, Zhang X, Gong W, Hu R, Yu M, Ding G, Cong L, Ye Z. Association between socioeconomic status and obesity in a Chinese adult population. BMC Public Health. 2013;13:355.	2010
China	WHO MONICA Databook	1984, 1988, 1993
Colombia	McDonald CM, Baylin A, Arsenault JE, Mora-Plazas M, Villamor E. Overweight is more prevalent than stunting and is associated with socioeconomic status, maternal obesity, and a snacking dietary pattern in school children from Bogota, Colombia. J. Nutr. 2009 Feb;139(2):370–6.	2006
Comoros	World Health Survey (WHS)	2003
Congo	World Health Survey (WHS)	2003
Congo	STEPS Noncommunicable Disease Risk Factors Survey	2004
Cote d'Ivoire	World Health Survey (WHS)	2003
Cuba	Survey on Health, Well-Being and Aging in Latin America and the Caribbean (SABE)	1999

	Survey	Years
Czech Republic	Boylan S, Welch A, Pikhart H, Malyutina S, Pajak A, Kubinova R, Bragina O, Simonova G, Stepaniak U, Gilis-Januszewska A, Milla L, Peasey A, Marmot M, Bobak M. Dietary habits in three Central and Eastern European countries: the HAPIEE study. BMC Public Health. 2009;9:439.	2002
Czech Republic	WHO MONICA Databook	1985, 1988, 1992
Denmark	Ekelund U, Sardinha LB, Anderssen SA, Harro M, Franks PW, Brage S, Cooper AR, Andersen LB, Riddoch C, Froberg K. Associations between objectively assessed physical activity and indicators of body fatness in 9- to 10-y-old European children: a population-based study from 4 distinct regions in Europe (the European Youth Heart Study). Am. J. Clin. Nutr. 2004 Sep;80(3):584–90.	2001
Denmark	Lund TB, Sandøe P, Lassen J. Attitudes to publicly funded obesity treatment and prevention. Obesity (Silver Spring). 2011 Aug;19(8):1580–5.	2010
Denmark	WHO MONICA Databook	1982, 1986, 1991
Dominica	WHO STEPS GSHS	2009
Dominican Republic	World Health Survey (WHS)	2003
Ecuador	World Health Survey (WHS)	2003
Ethiopia	World Health Survey (WHS)	2003
Ethiopia	STEPS Noncommunicable Disease Risk Factors Survey	2003, 2006
Fiji	King H, Zimmet P, Raper LR, Balkau B. Risk factors for diabetes in three Pacific populations. Am. J. Epidemiol. 1984 Mar;119(3):396–409.	1989
Finland	Shiri R, Solovieva S, Husgafvel-Pursiainen K, Taimela S, Saarikoski LA, Huupponen R, Viikari J, Raitakari OT, Viikari-Juntura E. The association between obesity and the prevalence of low back pain in young adults: the Cardiovascular Risk in Young Finns Study. Am. J. Epidemiol. 2008 May 1;167(9):1110–9.	1980, 1986
Finland	Vuorela N, Saha M-T, Salo MK. Change in prevalence of overweight and obesity in Finnish children - comparison between 1974 and 2001. Acta Paediatr. 2011 Jan;100(1):109–15.	1981, 1991
Finland	WHO MONICA Databook	1982, 1987, 1992

	Survey	Years
Finland	Ahti TM, Mäkivaara LA, Luukkaala T, Hakama M, Laurikka JO. Lifestyle factors and varicose veins: does cross-sectional design result in underestimate of the risk? Phlebology. 2010 Aug;25(4):201–6.	1989, 1994
France	Thibault H, Contrand B, Saubusse E, Baine M, Maurice-Tison S. Risk factors for overweight and obesity in French adolescents: physical activity, sedentary behavior and parental characteristics. Nutrition. 2010 Feb;26(2):192–200.	2004
France	WHO MONICA Databook	1985, 1986, 1988, 1994, 1995
France	Diouf I, Charles MA, Ducimetière P, Basdevant A, Eschwege E, Heude B. Evolution of obesity prevalence in France: an age-period-cohort analysis. Epidemiology. 2010 May;21(3):360–5.	1997, 2000, 2003, 2006
Georgia	World Health Survey (WHS)	2003
Germany	Haenle MM, Brockmann SO, Kron M, Bertling U, Mason RA, Steinbach G, Boehm BO, Koenig W, Kern P, Piechotowski I, Kratzer W, EMIL-Study group. Overweight, physical activity, tobacco and alcohol consumption in a cross-sectional random sample of German adults. BMC Public Health. 2006;6:233.	2002
Germany	WHO MONICA Databook	1982, 1983, 1984, 1988, 1989, 1991, 1993, 1994
Ghana	Ghana Urban Household Panel Survey	2003
Ghana	World Health Survey (WHS)	2003
Ghana	Cook-Huynh M, Ansong D, Steckelberg RC, Boakye I, Seligman K, Appiah L, Kumar N, Amuasi JH. Prevalence of hypertension and diabetes mellitus in adults from a rural community in Ghana. Ethn Dis. 2012;22(3):347–52.	2009
Ghana	Pereko KKA, Setorglo J, Owusu WB, Tiweh JM, Achampong EK. Overnutrition and associated factors among adults aged 20 years and above in fishing communities in the urban Cape Coast Metropolis, Ghana. Public Health Nutr. 2013 Apr;16(4):591–5.	2010
Greece	Tokmakidis SP, Christodoulos AD, Mantzouranis NI. Validity of self-reported anthropometric values used to assess body mass index and estimate obesity in Greek school children. J Adolesc Health. 2007 Apr;40(4):305–10.	2004

	Survey	Years
Greece	Mavrakanas TA, Konsoula G, Patsonis I, Merkouris BP. Childhood obesity and elevated blood pressure in a rural population of northern Greece. Rural Remote Health. 2009 Jun;9(2):1150.	2007
Grenada	WHO STEPS GSHS	2008
Guyana	WHO STEPS GSHS	2004
Hungary	Németh A, Bodzsár EB, Eiben OG. Comparisons of fatness indicators in Budapest children. Anthropol Anz. 1999 Dec;57(4):325–37.	1994
Hungary	WHO MONICA Databook	1982, 1987
Iceland	WHO MONICA Databook	1983, 1988, 1993
India	Naidu AN, Rao NP. Body mass index: a measure of the nutritional status in Indian populations. Eur J Clin Nutr. 1994 Nov;48 Suppl 3:S131–140.	1988
India	Ramachandran A, Snehalatha C, Shyamala P, Vijay V, Viswanathan M. High prevalence of NIDDM and IGT in an elderly south Indian population with low rates of obesity. Diabetes Care. 1994 Oct;17(10):1190–2.	1991
India	Reddy KS, Prabhakaran D, Shah P, Shah B. Differences in body mass index and waist: hip ratios in North Indian rural and urban populations. Obes Rev. 2002 Aug;3(3):197–202.	1991
India	Bharati S, Pal M, Bhattacharya BN, Bharati P. Prevalence and causes of chronic energy deficiency and obesity in Indian women. Hum. Biol. 2007 Aug;79(4):395–412.	1998
India	Ramachandran A, Snehalatha C, Vinitha R, Thayyil M, Kumar CKS, Sheeba L, Joseph S, Vijay V. Prevalence of overweight in urban Indian adolescent school children. Diabetes Res. Clin. Pract. 2002 Sep;57(3):185–90.	1999
India	Venkatramana P, Reddy PC. Association of overall and abdominal obesity with coronary heart disease risk factors: comparison between urban and rural Indian men. Asia Pac J Clin Nutr. 2002;11(1):66–71.	1999
India	Krishnan A, Ekowati R, Baridalyne N, Kusumawardani N, Suhardi, Kapoor SK, Leowski J. Evaluation of community-based interventions for non-communicable diseases: experiences from India and Indonesia. Health Promot Int. 2011 Sep;26(3):276–89.	2003
India	World Health Survey (WHS)	2003

	Survey	Years
India	Pandey RM, Gupta R, Misra A, Misra P, Singh V, Agrawal A, Dey S, Rao S, Menon VU, Kamalamma N, Devi KPV, Revathi K, Sharma V. Determinants of urban-rural differences in cardiovascular risk factors in middle-aged women in India: a cross-sectional study. Int. J. Cardiol. 2013 Feb 20;163(2):157–62.	2004
India	Goyal RK, Shah VN, Saboo BD, Phatak SR, Shah NN, Gohel MC, Raval PB, Patel SS. Prevalence of overweight and obesity in Indian adolescent school going children: its relationship with socioeconomic status and associated lifestyle factors. J Assoc Physicians India. 2010 Mar;58:151–8.	2006
India	Misra A, Shah P, Goel K, Hazra DK, Gupta R, Seth P, Tallikoti P, Mohan I, Bhargava R, Bajaj S, Madan J, Gulati S, Bhardwaj S, Sharma R, Gupta N, Pandey RM. The high burden of obesity and abdominal obesity in urban Indian schoolchildren: a multicentric study of 38,296 children. Ann. Nutr. Metab. 2011;58(3):203–11.	2006
India	WHO STEPS GSHS	2007
India	Ghosh A. Rural-urban comparison in prevalence of overweight and obesity among children and adolescents of Asian Indian origin. Asia Pac J Public Health. 2011 Nov;23(6):928–35.	2008
India	Gupta R, Deedwania PC, Sharma K, Gupta A, Guptha S, Achari V, Asirvatham AJ, Bhansali A, Gupta B, Gupta S, Jali MV, Mahanta TG, Maheshwari A, Saboo B, Singh J, Gupta R. Association of educational, occupational and socioeconomic status with cardiovascular risk factors in Asian Indians: a cross-sectional study. PLoS ONE. 2012;7(8):e44098.	2009
India	Bhagyalaxmi A, Atul T, Shikha J. Prevalence of risk factors of non-communicable diseases in a District of Gujarat, India. J Health Popul Nutr. 2013 Mar;31(1):78–85.	2010
India	India Noncommunicable Disease Risk Factors Survey	2003, 2007
Indonesia	Soekirman, Hardinsyah, Jus'at I, Jahari AB. Regional study of nutritional status of urban primary schoolchildren. 2. West Jakarta and Bogor, Indonesia. Food Nutr Bull. 2002 Mar;23(1):31–40.	1989
Indonesia	WHO STEPS GSHS	2007
Iran	Soori H. Pattern of dietary behaviour and obesity in Ahwaz, Islamic Republic of Iran. East. Mediterr. Health J. 2001 Mar;7(1-2):163–70.	1988

	Survey	Years
Iran	Dorosty AR, Siassi F, Reilly JJ. Obesity in Iranian children. Arch. Dis. Child. 2002 Nov;87(5):388–391; discussion 388–391.	1995
Iran	Bakhshi E, Eshraghian MR, Mohammad K, Foroushani AR, Zeraati H, Fotouhi A, Siassi F, Seifi B. Sociodemographic and smoking associated with obesity in adult women in Iran: results from the National Health Survey. J Public Health (Oxf). 2008 Dec;30(4):429–35.	1999
Iran	Kelishadi R, Gharipour M, Sadri GH, Tavasoli AA, Amani A. Cardiovascular disease risk factors, metabolic syndrome and obesity in an Iranian population. East. Mediterr. Health J. 2008 Oct;14(5):1070–9.	2000
Iran	Fazizi F, Esmaillzadeh A, Mirmiran FP. Obesity and cardiovascular disease risk factors in Tehran adults: a population-based study. East. Mediterr. Health J. 2004 Nov;10(6):887–97.	2001
Iran	Dastgiri S, Mahdavi R, TuTunchi H, Faramarzi E. Prevalence of obesity, food choices and socio-economic status: a cross-sectional study in the north-west of Iran. Public Health Nutr. 2006 Dec;9(8):996–1000.	2003
Iran	Esmaillzadeh A, Mirmiran P, Azizi F. Comparative evaluation of anthropometric measures to predict cardiovascular risk factors in Tehranian adult women. Public Health Nutr. 2006 Feb;9(1):61–9.	2003
Iran	Hajian-Tilaki KO, Heidari B. Prevalence of obesity, central obesity and the associated factors in urban population aged 20-70 years, in the north of Iran: a population-based study and regression approach. Obes Rev. 2007 Jan;8(1):3–10.	2004
Iran	Maddah M. Overweight and obesity among Iranian female adolescents in Rasht: more overweight in the lower social group. Public Health Nutr. 2007 May;10(5):450–3.	2004
Iran	Azadbakht L, Esmaillzadeh A. Dietary and non-dietary determinants of central adiposity among Tehrani women. Public Health Nutr. 2008 May;11(5):528–34.	2005
Iran	Maddah M, Nikooyeh B. Factors associated with overweight in children in Rasht, Iran: gender, maternal education, skipping breakfast and parental obesity. Public Health Nutr. 2010 Feb;13(2):196–200.	2006
Iran	Maddah M, Nikooyeh B. Obesity among Iranian adolescent girls: location of residence and parental obesity. J Health Popul Nutr. 2010 Feb;28(1):61–6.	2006

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Iran	Shirani S, Heidari K, Sabzghabaee AM, Mirmoghtadaee P, Hoseini L, Aalifar H, Fadaei H, Esnaashari H, Soltani R. The modifiable noncommunicable risk factors among an Iranian population. Southeast Asian J. Trop. Med. Public Health. 2012 Sep;43(5):1227–32.	2007
Iran	STEPS Noncommunicable Disease Risk Factors Survey	2008
Iran	Khazaie H, Najafi F, Rezaie L, Tahmasian M, Sepehry AA, Herth FJF. Prevalence of symptoms and risk of obstructive sleep apnea syndrome in the general population. Arch Iran Med. 2011 Sep;14(5):335–8.	2008
Iraq	STEPS Noncommunicable Disease Risk Factors Survey	2003
Ireland	McMaster C, Cullen L, Raymond N. Overweight and obesity in Irish primary schools: retrospective cohort study. Child Care Health Dev. 2005 Sep;31(5):499–506.	2001
Israel	WHO MONICA Databook	1985
Italy	Barba G, Troiano E, Russo P, Strazzullo P, Siani A. Body mass, fat distribution and blood pressure in Southern Italian children: results of the ARCA project. Nutr Metab Cardiovasc Dis. 2006 May;16(4):239–48.	2003
Italy	Vidal E, Carlin E, Driul D, Tomat M, Tenore A. A comparison study of the prevalence of overweight and obese Italian preschool children using different reference standards. Eur. J. Pediatr. 2006 Oct;165(10):696–700.	2003
Italy	WHO MONICA Databook	1982, 1986, 1989, 1993, 1994
Japan	Sekine M, Yamagami T, Hamanishi S, Kagamimori S. Accuracy of the estimated prevalence of childhood obesity from height and weight values reported by parents: results of the Toyama Birth Cohort study. J Epidemiol. 2002 Jan;12(1):9–13.	1999
Japan	Aoyagi K, Kusano Y, Takamura N, Abe Y, Osaki M, Une H. Obesity and cardiovascular risk factors among men and women aged 40 years and older in a rural area of Japan. J Physiol Anthropol. 2006 Nov;25(6):371–5.	2004
Japan	Yoshinaga M, Shimago A, Koriyama C, Nomura Y, Miyata K, Hashiguchi J, Arima K. Rapid increase in the prevalence of obesity in elementary school children. Int. J. Obes. Relat. Metab. Disord. 2004 Apr;28(4):494–9.	1989-2002
Japan	Kouda K, Nakamura H, Tokunaga R, Takeuchi H. Trends in levels of cholesterol in Japanese children from 1993 through 2001. J Epidemiol. 2004 May;14(3):78–82.	1993-2001

	Survey	Years
Jordan	Ghalayini IF, Al-Ghazo MA, Al-Azab R, Bani-Hani I, Matani YS, Barham A-E, Harfeil MNA, Haddad Y. Erectile dysfunction in a Mediterranean country: results of an epidemiological survey of a representative sample of men. Int. J. Impot. Res. 2010 Jun;22(3):196–203.	2007
Jordan	WHO STEPS GSHS	2007
Kazakhstan	World Health Survey (WHS)	2003
Kenya	WHO STEPS GSHS	2003
Kenya	World Health Survey (WHS)	2004
Kiribati	King H, Taylor R, Zimmet P, Pargeter K, Raper LR, Beriki T, Tekanene J. Non-insulin-dependent diabetes (NIDDM) in a newly independent Pacific nation: the Republic of Kiribati. Diabetes Care. 1984 Oct;7(5):409–15.	1981
Kiribati	King H, Zimmet P, Raper LR, Balkau B. Risk factors for diabetes in three Pacific populations. Am. J. Epidemiol. 1984 Mar;119(3):396–409.	1981
Laos	World Health Survey (WHS)	2003
Lebanon	Jabre P, Sikias P, Khater-Menassa B, Baddoura R, Awada H. Overweight children in Beirut: prevalence estimates and characteristics. Child Care Health Dev. 2005 Mar;31(2):159–65.	2000
Lebanon	WHO STEPS GSHS	2005
Lithuania	WHO MONICA Databook	1983, 1986, 1992
Lithuania	Tutkuviene J. Body mass index, prevalence of overweight and obesity in Lithuanian children and adolescents, 1985-2002. Coll Antropol. 2007 Mar;31(1):109–21.	1985, 2000, 2002
Lithuania	Jakimaviciene EM, Tutkuviene J. Trends in body mass index, prevalence of overweight and obesity in preschool Lithuanian children, 1986-2006. Coll Antropol. 2007 Mar;31(1):79–88.	1986, 2003
Macedonia	WHO MONICA Databook	1984, 1988, 1994
Madagascar	Mauny F, Viel JF, Roubaux F, Ratsimandresy R, Sellin B. Blood pressure, body mass index and socio-economic status in the urban population of Antananarivo (Madagascar). Ann Trop Med Parasitol. 2003 Sep;97(6):645–54.	1997
Malawi	World Health Survey (WHS)	2003
Malaysia	Tee E-S, Khor S-C, Ooi H-E, Young S-I, Zakiyah O, Zulkafli H. Regional study of nutritional status of urban primary schoolchildren. 3. Kuala Lumpur, Malaysia. Food Nutr Bull. 2002 Mar;23(1):41–7.	1989

	Survey	Years
Malaysia	World Health Survey (WHS)	2003
Malaysia	Muhammad NA, Omar K, Shah SA, Muthupalaniappen LAP, Arshad F. Parental perception of their children's weight status, and its association with their nutrition and obesity knowledge. Asia Pac J Clin Nutr. 2008;17(4):597–602.	2005
Malaysia	Jan Mohamed HJB, Mitra AK, Zainuddin LRM, Leng SK, Wan Muda WM. Women are at a higher risk of metabolic syndrome in rural Malaysia. Women Health. 2013;53(4):335–48.	2008
Maldives	STEPS Noncommunicable Disease Risk Factors Survey	2004
Mali	Torheim LE, Ouattara F, Diarra MM, Thiam FD, Barikmo I, Hatløy A, Oshaug A. Nutrient adequacy and dietary diversity in rural Mali: association and determinants. European journal of clinical nutrition. 2004;58(4):594–604.	1997
Mali	Torheim LE, Granli GI, Sidibé CS, Traoré AK, Oshaug A. Women's iodine status and its determinants in an iodine-deficient area in the Kayes region, Mali. Public health nutrition. 2005;8(4):387–94.	1999
Mali	World Health Survey (WHS)	2003
Malta	WHO MONICA Databook	1984
Mauritania	World Health Survey (WHS)	2003
Mauritania	STEPS Noncommunicable Disease Risk Factors Survey	2006
Mauritius	World Health Survey (WHS)	2003
Mexico	Arroyo P, Loria A, Fernández V, Flegal KM, Kuri-Morales P, Olaiz G, Tapia-Conyer R. Prevalence of pre-obesity and obesity in urban adult Mexicans in comparison with other large surveys. Obes. Res. 2000 Mar;8(2):179–85.	1992
Mexico	Survey on Health, Well-Being and Aging in Latin America and the Caribbean (SABE)	1999
Mexico	World Health Survey (WHS)	2003
Morocco	World Health Survey (WHS)	2003
Morocco	WHO STEPS GSHS	2006
Myanmar	STEPS Noncommunicable Disease Risk Factors Survey	2003
Myanmar	World Health Survey (WHS)	2003
Namibia	World Health Survey (WHS)	2003
Nepal	STEPS Noncommunicable Disease Risk Factors Survey	2003

	Survey	Years
Nepal	World Health Survey (WHS)	2003
New Zealand	Williams S. Body Mass Index reference curves derived from a New Zealand birth cohort. N. Z. Med. J. 2000 Jul 28;113(1114):308–11.	1981, 1983, 1985, 1987, 1990, 1993
New Zealand	WHO MONICA Databook	1982, 1993
Nicaragua	Iniviativa Centroamericana de Diabetes (CAMDI)	2003
Nigeria	Ezeoma IT, Abioye-Kuteyi EA, Oladeji AO. Body build and blood pressure in a rural Nigerian community. Niger Postgrad Med J. 2001 Sep;8(3):140–4.	1995
Nigeria	STEPS Noncommunicable Disease Risk Factors Survey	2003
Nigeria	Goon DT, Toriola AL, Shaw BS. Screening for body-weight disorders in Nigerian children using contrasting definitions. Obes Rev. 2010 Jul;11(7):508–15.	2005
Nigeria	Famodu AA, Awodu OA. Anthropometric indices as determinants of haemorheological cardiovascular disease risk factors in Nigerian adults living in a semi-urban community. Clin. Hemorheol. Microcirc. 2009;43(4):335–44.	2006
Nigeria	Nwizu SE, Njokanma OF, Okoromah CA, David NA. Relationship between bioelectrical impedance analysis and body mass index in adolescent urban Nigerians. West Afr J Med. 2011 Apr;30(2):99–103.	2006
Nigeria	Iliyasu Z, Abubakar IS, Abubakar S, Lawan UM, Gajida AU, Jibo AM. A survey of weight perception and social desirability of obesity among adults in Kano Metropolis, Northern Nigeria. Niger J Med. 2013 Jun;22(2):101–8.	2010
Nigeria	Senbanjo IO, Oshikoya KA, Olutekunbi OA, Njokanma OF. Body fat distribution of children and adolescents in Abeokuta, Southwest Nigeria. Am. J. Phys. Anthropol. 2013 Apr;150(4):647–54.	2010
North Korea	STEPS Noncommunicable Disease Risk Factors Survey	2005, 2007
Norway	Kvaavik E, Tell GS, Klepp K-I. Predictors and tracking of body mass index from adolescence into adulthood: follow-up of 18 to 20 years in the Oslo Youth Study. Arch Pediatr Adolesc Med. 2003 Dec;157(12):1212–8.	1999

	Survey	Years
Norway	Ekelund U, Sardinha LB, Anderssen SA, Harro M, Franks PW, Brage S, Cooper AR, Andersen LB, Riddoch C, Froberg K. Associations between objectively assessed physical activity and indicators of body fatness in 9- to 10-y-old European children: a population-based study from 4 distinct regions in Europe (the European Youth Heart Study). Am. J. Clin. Nutr. 2004 Sep;80(3):584–90.	2001
Oman	WHO STEPS GSHS	2005, 2010
Pakistan	World Health Survey (WHS)	2003
Palestine	Abdul-Rahim HF, Abu-Rmeileh NM, Husseini A, Holmboe-Ottesen G, Jervell J, Bjertness E. Obesity and selected co-morbidities in an urban Palestinian population. Int. J. Obes. Relat. Metab. Disord. 2001 Nov;25(11):1736–40.	1998
Palestine	Abdul-Rahim HF, Husseini A, Bjertness E, Giacaman R, Gordon NH, Jervell J. The metabolic syndrome in the West Bank population: an urban-rural comparison. Diabetes Care. 2001 Feb;24(2):275–9.	1996, 1998
Papua New Guinea	King H, Collins V, King LF, Finch C, Alpers MP. Blood pressure, hypertension and other cardiovascular risk factors in six communities in Papua New Guinea, 1985-1986. P N G Med J. 1994 Jun;37(2):100–9.	1985
Paraguay	World Health Survey (WHS)	2003
Philippines	WHO STEPS GSHS	2003
Philippines	World Health Survey (WHS)	2003
Philippines	Carba DB, Bas IN, Gultiano SA, Lee NR, Adair LS. Waist circumference and the risk of hypertension and prediabetes among Filipino women. Eur J Nutr. 2013 Mar;52(2):825–32.	2005
Poland	Boylan S, Welch A, Pikhart H, Malyutina S, Pajak A, Kubinova R, Bragina O, Simonova G, Stepaniak U, Gilis-Januszewska A, Milla L, Peasey A, Marmot M, Bobak M. Dietary habits in three Central and Eastern European countries: the HAPIEE study. BMC Public Health. 2009;9:439.	2002
Poland	Miko?ajczak J, Piotrowska E, Biernat J, Wyka J, Zecha?ko-Czajkowska A. [Assessment of risk factors of metabolic syndrome in girls and boys from south-west area of Poland]. Rocz Panstw Zakl Hig. 2011;62(1):83–92.	2003

	Survey	Years
Poland	Ostrowska-Nawarycz L, Nawarycz T. Prevalence of excessive body weight and high blood pressure in children and adolescents in the city of ?ód?. Kardiol Pol. 2007 Sep;65(9):1079–1087; discussion 1088–1089.	2005
Poland	WHO MONICA Databook	1983, 1987, 1988, 1992, 1993
Portugal	Ramos E, Barros H. Family and school determinants of overweight in 13-year-old Portuguese adolescents. Acta Paediatr. 2007 Feb;96(2):281–6.	2003
Portugal	Ribeiro J, Santos P, Duarte J, Mota J. Association between overweight and early sexual maturation in Portuguese boys and girls. Ann. Hum. Biol. 2006 Feb;33(1):55–63.	2003
Portugal	Mota J, Fidalgo F, Silva R, Ribeiro JC, Santos R, Carvalho J, Santos MP. Relationships between physical activity, obesity and meal frequency in adolescents. Ann. Hum. Biol. 2008 Feb;35(1):1–10.	2005
Portugal	Pereira M, Lunet N, Paulo C, Severo M, Azevedo A, Barros H. Incidence of hypertension in a prospective cohort study of adults from Porto, Portugal. BMC Cardiovasc Disord. 2012;12:114.	2005
Portugal	Portuguese National Nutritional Surveillance System (COSI Portugal)	2007
Qatar	Bener A, Al-Mahdi HS, Ali AI, Al-Nufal M, Vachhani PJ, Tewfik I. Obesity and low vision as a result of excessive Internet use and television viewing. Int J Food Sci Nutr. 2011 Feb;62(1):60–2.	2009
Romania	WHO MONICA Databook	1986
Romania	Hurjui DM, Nit,a(O, Graur LI, Mihalache L, Popescu DS, Hut,anas,u IC, Ungureanu D, Graur M. Non-alcoholic fatty liver disease is associated with cardiovascular risk factors of metabolic syndrome. Rev Med Chir Soc Med Nat Iasi. 2012 Sep;116(3):692–9.	2009
Russia	Health of women in the northern Russian cities of Arkhangelsk and Murmansk	1998
Russia	CINDI Behavioral Risk Factors Monitoring	2000
Russia	Boylan S, Welch A, Pikhart H, Malyutina S, Pajak A, Kubinova R, Bragina O, Simonova G, Stepaniak U, Gilis-Januszewska A, Milla L, Peasey A, Marmot M, Bobak M. Dietary habits in three Central and Eastern European countries: the HAPIEE study. BMC Public Health. 2009;9:439.	2002
Russia	WHO MONICA Databook	1984, 1985, 1988, 1992, 1994, 1995

	Survey	Years
Saint Lucia	WHO STEPS GSHS	2007
Saint Vincent and the Grenadines	WHO STEPS GSHS	2007
Saudi Arabia	Rahman Al-Nuaim A. High prevalence of metabolic risk factors for cardiovascular diseases among Saudi population, aged 30-64 years. Int. J. Cardiol. 1997 Dec 19;62(3):227–35.	1990
Saudi Arabia	Warsy AS, el-Hazmi MA. Diabetes mellitus, hypertension and obesity--common multifactorial disorders in Saudis. East. Mediterr. Health J. 1999 Nov;5(6):1236–42.	1992
Saudi Arabia	al-Shammari SA, Khoja TA, al-Maatouq MA, al-Nuaim LA. High prevalence of clinical obesity among Saudi females: a prospective, cross-sectional study in the Riyadh region. J Trop Med Hyg. 1994 Jun;97(3):183–8.	1992
Saudi Arabia	Abahussain NA, Musaiger AO, Nicholls PJ, Stevens R. Nutritional status of adolescent girls in the eastern province of Saudi Arabia. Nutr Health. 1999;13(3):171–7.	1996
Saudi Arabia	Al-Almaie SM. Prevalence of obesity and overweight among Saudi adolescents in Eastern Saudi Arabia. Saudi Med J. 2005 Apr;26(4):607–11.	2001
Senegal	Astagneau P, Lang T, Delarocque E, Jeannee E, Salem G. Arterial hypertension in urban Africa: an epidemiological study on a representative sample of Dakar inhabitants in Senegal. J. Hypertens. 1992 Sep;10(9):1095–101.	1989
Senegal	World Health Survey (WHS)	2003
Senegal	WHO STEPS GSHS	2005
Seychelles	Bovet P, Kizirian N, Madeleine G, Blössner M, Chiolero A. Prevalence of thinness in children and adolescents in the Seychelles: comparison of two international growth references. Nutr J. 2011;10:65.	1998
Seychelles	WHO STEPS GSHS	2007
South Africa	Cameron N, Getz B. Sex differences in the prevalence of obesity in rural African adolescents. Int. J. Obes. Relat. Metab. Disord. 1997 Sep;21(9):775–82.	1985
South Africa	Jinabhai CC, Taylor M, Sullivan KR. Changing patterns of under- and over-nutrition in South African children-future risks of non-communicable diseases. Ann Trop Paediatr. 2005 Mar;25(1):3–15.	1995

	Survey	Years
South Africa	Monyeki KD, Kemper HCG, Makgae PJ. Relationship between fat patterns, physical fitness and blood pressure of rural South African children: Ellisras Longitudinal Growth and Health Study. J Hum Hypertens. 2008 May;22(5):311–9.	2000
South Africa	Thorogood M, Connor M, Tollman S, Lewando Hundt G, Fowkes G, Marsh J. A cross-sectional study of vascular risk factors in a rural South African population: data from the Southern African Stroke Prevention Initiative (SASPI). BMC Public Health. 2007;7:326.	2002
South Africa	World Health Survey (WHS)	2003
South Africa	WHO SAGE	2007
South Korea	Yoo S, Lee S-Y, Kim K-N, Sung E. Obesity in Korean pre-adolescent school children: comparison of various anthropometric measurements based on bioelectrical impedance analysis. Int J Obes (Lond). 2006 Jul;30(7):1086–90.	2003
South Korea	Chang Y, Woo H-Y, Sung E, Kim CH, Kang H, Ju YS, Park KH. Prevalence of acanthosis nigricans in relation to anthropometric measures: community-based cross-sectional study in Korean pre-adolescent school children. Pediatr Int. 2008 Oct;50(5):667–73.	2005
South Korea	Yoo S, Kim H-B, Lee S-Y, Kim B-S, Kim J-H, Yu J-H, Kim B-J, Hong S-J. Association between obesity and the prevalence of allergic diseases, atopy, and bronchial hyperresponsiveness in Korean adolescents. Int. Arch. Allergy Immunol. 2011;154(1):42–8.	2006
Spain	Rodríguez-Artalejo F, Garcés C, Gorgojo L, López García E, Martín-Moreno JM, Benavente M, del Barrio JL, Rubio R, Ortega H, Fernández O, de Oya M, Investigators of the Four Provinces Study. Dietary patterns among children aged 6-7 y in four Spanish cities with widely differing cardiovascular mortality. Eur J Clin Nutr. 2002 Feb;56(2):141–8.	1998
Spain	Tambalis KD, Panagiotakos DB, Psarra G, Sidossis LS. Inverse but independent trends in obesity and fitness levels among Greek children: a time-series analysis from 1997 to 2007. Obes Facts. 2011;4(2):165–74.	2000

	Survey	Years
Spain	Suárez-Varela MM, Alvarez LG-M, Kogan MD, Ferreira JC, Martínez Gimeno A, Aguinaga Ontoso I, González Díaz C, Arnedo Pena A, Domínguez Aurrecoechea B, Busquets Monge RM, Blanco Quiros A, Batlles Garrido J, García de Andoain N, Varela AL-S, García Merino A, Gimeno Clemente N, Llopis González A. Diet and prevalence of atopic eczema in 6 to 7-year-old schoolchildren in Spain: ISAAC phase III. J Investig Allergol Clin Immunol. 2010;20(6):469–75.	2001
Spain	WHO MONICA Databook	1986, 1990, 1994
Spain	Ortiz-Moncada R, García M, González-Zapata LI, Fernandez E, Alvarez-Dardet C. Incidence of overweight and obesity in a Mediterranean population-based cohort: the Cornellà Health Interview Survey Follow-up Study (CHIS.FU). Prev Med. 2010 Feb;50(1-2):45–9.	1994, 2002
Sri Lanka	Wickramasinghe VP, Lamabadusuriya SP, Atapattu N, Sathyadas G, Kuruparanantha S, Karunarathne P. Nutritional status of schoolchildren in an urban area of Sri Lanka. Ceylon Med J. 2004 Dec;49(4):114–8.	2002
Sri Lanka	World Health Survey (WHS)	2003
Sri Lanka	Dassanayake AS, Kasturiratne A, Rajindrajith S, Kalubowila U, Chakrawarthi S, De Silva AP, Makaya M, Mizoue T, Kato N, Wickremasinghe AR, de Silva HJ. Prevalence and risk factors for non-alcoholic fatty liver disease among adults in an urban Sri Lankan population. J. Gastroenterol. Hepatol. 2009 Jul;24(7):1284–8.	2007
Sri Lanka	Wickramasinghe VP, Arambepola C, Bandara P, Abeysekera M, Kuruppu S, Dilshan P, Dissanayake BS. Distribution of obesity-related metabolic markers among 5-15 year old children from an urban area of Sri Lanka. Ann. Hum. Biol. 2013 Mar;40(2):168–74.	2009
Sudan	STEPS Noncommunicable Disease Risk Factors Survey	2005
Swaziland	WHO STEPS GSHS	2003
Swaziland	World Health Survey (WHS)	2003
Sweden	Eriksson H, Welin L, Wilhelmsen L, Larsson B, Ohlson LO, Svärdsudd K, Tibblin G. Metabolic disturbances in hypertension: results from the population study “men born in 1913.”J. Intern. Med. 1992 Nov;232(5):389–95.	1980

	Survey	Years
Sweden	Ekelund U, Neovius M, Linné Y, Brage S, Wareham NJ, Rössner S. Associations between physical activity and fat mass in adolescents: the Stockholm Weight Development Study. Am. J. Clin. Nutr. 2005 Feb;81(2):355–60.	2001
Sweden	Neovius M, Rossner SM, Vågstrand K, von Hausswolff-Juhlin YL, Hoffstedt J, Ekelund U. Adiposity measures as indicators of metabolic risk factors in adolescents. Obes Facts. 2009;2(5):294–301.	2001
Sweden	Angbratt M, Ekberg J, Walter L, Timpka T. Prediction of obesity from infancy to adolescence. Acta Paediatr. 2011 Sep;100(9):1249–52.	2007
Sweden	Theorell-Haglöw J, Berglund L, Janson C, Lindberg E. Sleep duration and central obesity in women - differences between short sleepers and long sleepers. Sleep Med. 2012 Sep;13(8):1079–85.	2009
Sweden	Gustafsson PE, Persson M, Hammarström A. Socio-economic disadvantage and body mass over the life course in women and men: results from the Northern Swedish Cohort. Eur J Public Health. 2012 Jun;22(3):322–7.	1981, 1986, 1995, 2008
Sweden	WHO MONICA Databook	1985, 1986, 1990, 1994
Sweden	Sundblom E, Petzold M, Rasmussen F, Callmer E, Lissner L. Childhood overweight and obesity prevalences levelling off in Stockholm but socioeconomic differences persist. Int J Obes (Lond). 2008 Oct;32(10):1525–30.	1999, 2003
Switzerland	WHO MONICA Databook	1984, 1985, 1988, 1992
Switzerland	Faeh D, Braun J, Bopp M. Prevalence of obesity in Switzerland 1992-2007: the impact of education, income and occupational class. Obes Rev. 2011 Mar;12(3):151–66.	1992, 1997, 2002, 2007
Switzerland	Marques-Vidal P, Bovet P, Paccaud F, Chiolero A. Changes of overweight and obesity in the adult Swiss population according to educational level, from 1992 to 2007. BMC Public Health. 2010;10:87.	1992, 1997, 2002, 2007
Switzerland	Volken T, Schaffert R, Rüesch P. Need for weight management in Switzerland: findings from National Blood Pressure Week 2009. BMC Public Health. 2011;11:473.	2007, 2009
Taiwan	Tai TY, Chuang LM, Wu HP, Chen CJ. Association of body build with non-insulin-dependent diabetes mellitus and hypertension among Chinese adults: a 4-year follow-up study. Int J Epidemiol. 1992 Jun;21(3):511–7.	1986

	Survey	Years
Taiwan	Page RM, Lee C-M, Miao N-F. Assessing prevalence of overweight and obesity through self-reports of height and weight by high school students in Taipei, Taiwan. J Sch Health. 2004 Dec;74(10):401–7.	1999
Taiwan	Ng K-C, Lai S-W. Application of anthropometric indices in childhood obesity. South. Med. J. 2004 Jun;97(6):566–70.	2000
Taiwan	Lin F-H, Chu N-F, Hsieh A-T. The trend of hypertension and its relationship to the weight status among Taiwanese young adolescents. J Hum Hypertens. 2012 Jan;26(1):48–55.	1996, 2006
Tanzania	Aspray TJ, Mugusi F, Rashid S, Whiting D, Edwards R, Alberti KG, Unwin NC, Essential Non-Communicable Disease Health Intervention Project. Rural and urban differences in diabetes prevalence in Tanzania: the role of obesity, physical inactivity and urban living. Trans. R. Soc. Trop. Med. Hyg. 2000 Dec;94(6):637–44.	1996
Tanzania	Ghana Urban Household Panel Survey	2003
Togo	Baragou S, Djibril M, Atta B, Damorou F, Pio M, Balogou A. Prevalence of cardiovascular risk factors in an urban area of Togo: a WHO STEPS-wise approach in Lome, Togo. Cardiovasc J Afr. 2012 Jul;23(6):309–12.	2009
Trinidad and Tobago	WHO STEPS GSHS	2007
Tunisia	Ghannem H, Darioli R, Limam K, Harrabi I, Gaha R, Trabelsi L, Fredj AH, Bouslama A. Epidemiology of cardiovascular risk factors among schoolchildren in Sousse, Tunisia. J Cardiovasc Risk. 2001 Apr;8(2):87–91.	1988
Tunisia	Ghannem H, Hadj Fredj A. Prevalence of cardiovascular risk factors in the urban population of Soussa in Tunisia. J Public Health Med. 1997 Dec;19(4):392–6.	1995
Tunisia	Ghannem H, Khlifa K, Harrabi I, Ben Abdelaziz A, Gaha R. Study of cardiovascular disease risk factors among urban schoolchildren in Sousse, Tunisia. East. Mediterr. Health J. 2000 Nov;6(5-6):1046–54.	1997
Tunisia	Ghannem H, Trabelsi L, Gaha R, Harrabi I, Essoussi AS. Study of cardiovascular disease risk factors among rural schoolchildren in Sousse, Tunisia. East. Mediterr. Health J. 2001 Sep;7(4-5):617–24.	1998
Tunisia	World Health Survey (WHS)	2003

	Survey	Years
Turkey	Agirbasli M, Cakir S, Ozme S, Ciliv G. Metabolic syndrome in Turkish children and adolescents. Metab. Clin. Exp. 2006 Aug;55(8):1002–6.	1992
Turkey	Erem C, Yildiz R, Kavgaci H, Karahan C, Deger O, Can G, Telatar M. Prevalence of diabetes, obesity and hypertension in a Turkish population (Trabzon city). Diabetes Res. Clin. Pract. 2001 Dec;54(3):203–8.	1998
Turkey	Manios Y, Kolotourou M, Moschonis G, Sur H, Keskin Y, Kocaoglu B, Hayran O. Macronutrient intake, physical activity, serum lipids and increased body weight in primary schoolchildren in Istanbul. Pediatr Int. 2005 Apr;47(2):159–66.	2001
Turkey	Oner N, Vatansever U, Sari A, Ekuklu E, Güzel A, Karasalihog(lu S, Boris NW. Prevalence of underweight, overweight and obesity in Turkish adolescents. Swiss Med Wkly. 2004 Sep 4;134(35-36):529–33.	2001
Turkey	Sundblom E, Petzold M, Rasmussen F, Callmer E, Lissner L. Childhood overweight and obesity prevalences levelling off in Stockholm but socioeconomic differences persist. Int J Obes (Lond). 2008 Oct;32(10):1525–30.	2001
Turkey	World Health Survey (WHS)	2003
Turkey	Ozmen D, Ozmen E, Ergin D, Cetinkaya AC, Sen N, Dundar PE, Taskin EO. The association of self-esteem, depression and body satisfaction with obesity among Turkish adolescents. BMC Public Health. 2007;7:80.	2004
Turkey	Ozer BK. Growth reference centiles and secular changes in Turkish children and adolescents. Econ Hum Biol. 2007 Jul;5(2):280–301.	2005
United Arab Emirates	Carter AO, Saadi HF, Reed RL, Dunn EV. Assessment of obesity, lifestyle, and reproductive health needs of female citizens of Al Ain, United Arab Emirates. J Health Popul Nutr. 2004 Mar;22(1):75–83.	2000
United Arab Emirates	World Health Survey (WHS)	2003
United Arab Emirates	Zaal AAB, Brebner J, Musaiger AO, Souza RD. Anthropometric characteristics and obesity among adolescents in the United Arab Emirates. East. Mediterr. Health J. 2011 May;17(5):382–6.	2008

	Survey	Years
United Kingdom	Löfdahl HE, Lane A, Lu Y, Lagergren P, Harvey RF, Blazeby JM, Lagergren J. Increased population prevalence of reflux and obesity in the United Kingdom compared with Sweden: a potential explanation for the difference in incidence of esophageal adenocarcinoma. Eur J Gastroenterol Hepatol. 2011 Feb;23(2):128–32.	1996
United Kingdom	Mitchell RT, McDougall CM, Crum JE. Decreasing prevalence of obesity in primary schoolchildren. Arch. Dis. Child. 2007 Feb;92(2):153–4.	2004
United Kingdom	Sandercock GRH, Ogunleye A, Voss C. Comparison of cardiorespiratory fitness and body mass index between rural and urban youth: findings from the East of England Healthy Hearts Study. Pediatr Int. 2011 Oct;53(5):718–24.	2007
United Kingdom	WHO MONICA Databook	1983, 1986, 1991, 1992, 1995
United Kingdom	Stamatakis E, Zaninotto P, Falaschetti E, Mindell J, Head J. Time trends in childhood and adolescent obesity in England from 1995 to 2007 and projections of prevalence to 2015. J Epidemiol Community Health. 2010 Feb;64(2):167–74.	1995-2007
United States	WHO MONICA Databook	1979, 1985, 1989
Uruguay	Survey on Health, Well-Being and Aging in Latin America and the Caribbean (SABE)	1999
Uruguay	World Health Survey (WHS)	2003
Uruguay	WHO STEPS GSHS	2006
Uruguay	STEPS Noncommunicable Disease Risk Factors Survey	2006
Vietnam	Dieu HTT, Dibley MJ, Sibbritt DW, Hanh TTM. Trends in overweight and obesity in pre-school children in urban areas of Ho Chi Minh City, Vietnam, from 2002 to 2005. Public Health Nutr. 2009 May;12(5):702–9.	2002
Vietnam	Tang HK, Dibley MJ, Sibbritt D, Tran HM. Gender and socio-economic differences in BMI of secondary high school students in Ho Chi Minh city. Asia Pac J Clin Nutr. 2007;16(1):74–83.	2002
Vietnam	World Health Survey (WHS)	2003
Vietnam	Hong TK, Dibley MJ, Sibbritt D, Binh PNT, Trang NHHD, Hanh TTM. Overweight and obesity are rapidly emerging among adolescents in Ho Chi Minh City, Vietnam, 2002-2004. Int J Pediatr Obes. 2007;2(4):194–201.	2004

	Survey	Years
Vietnam	Walls HL, Peeters A, Son PT, Quang NN, Hoai NTT, Loi DD, Viet NL, Khai PG, Reid CM. Prevalence of underweight, overweight and obesity in urban Hanoi, Vietnam. Asia Pac J Clin Nutr. 2009;18(2):234–9.	2004
Vietnam	Dieu HTT, Dibley MJ, Sibbritt D, Hanh TTM. Prevalence of overweight and obesity in preschool children and associated socio-demographic factors in Ho Chi Minh City, Vietnam. Int J Pediatr Obes. 2007;2(1):40–50.	2005
Zambia	Ng'andu NH. Blood pressure levels of Zambian rural adolescents and their relationship to age, sex, weight, height and three weight-for-height indices. Int J Epidemiol. 1992 Apr;21(2):246–52.	1986
Zambia	WHO STEPS GSHS	2004
Zimbabwe	World Health Survey (WHS)	2003

Webtable 9: Prevalence of overweight and obesity

Country/Region	Males, 1980		Females, 1980		Males, 1990		Females, 1990		Males, 2000		Females, 2000		Males, 2013		Females, 2013	
	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20
Andean Latin America	17·5 (15·6-19·5)	42·0 (40·2-43·8)	24·2 (21·8-26·8)	53·1 (51·2-55·0)	18·0 (16·3-19·7)	42·6 (40·9-44·3)	25·1 (22·9-27·5)	54·1 (52·7-55·5)	17·4 (15·9-19·0)	42·1 (40·2-44·1)	27·5 (25·3-29·7)	61·5 (60·4-62·6)	16·7 (15·1-18·3)	45·0 (43·2-46·8)	27·2 (24·9-29·5)	66·7 (65·6-67·7)
Bolivia	19·7 (16·6-23·0)	49·9 (47·1-52·7)	24·1 (20·5-28·4)	45·1 (42·2-48·2)	19·8 (16·9-22·8)	50·0 (47·2-52·8)	24·3 (20·9-28·0)	44·8 (42·1-47·6)	21·0 (18·3-24·1)	51·2 (48·3-54·0)	28·0 (24·5-31·7)	56·0 (54·1-57·9)	20·5 (17·4-24·0)	51·9 (49·1-54·5)	28·2 (24·4-32·4)	62·0 (59·7-64·4)
Ecuador	11·6 (9·6-13·7)	35·1 (32·5-37·7)	24·9 (20·8-29·6)	63·5 (60·5-66·4)	12·6 (10·6-14·9)	37·6 (34·9-40·2)	27·1 (22·9-31·7)	66·2 (63·4-69·2)	12·9 (10·9-15·1)	38·3 (35·5-41·2)	28·5 (24·7-32·3)	68·2 (66·0-70·2)	13·7 (11·4-16·2)	40·2 (37·5-42·9)	29·6 (25·4-34·2)	69·8 (67·2-72·1)
Peru	19·6 (16·6-22·8)	42·8 (40·0-45·8)	23·9 (20·2-27·9)	50·9 (48·1-53·5)	19·9 (17·1-22·8)	42·9 (40·1-45·5)	24·4 (20·8-28·1)	51·2 (49·2-53·1)	18·4 (16·0-20·9)	41·3 (38·4-44·4)	26·8 (23·6-30·2)	59·9 (58·4-61·5)	16·6 (14·2-19·4)	45·4 (42·7-48·2)	25·6 (22·3-29·2)	66·5 (65·1-67·9)
Australasia	16·2 (14·2-18·4)	56·1 (53·8-58·3)	16·2 (14·0-18·6)	42·9 (40·7-45·4)	18·1 (16·0-20·4)	55·7 (53·9-57·5)	17·7 (15·5-20·2)	42·0 (40·2-43·9)	21·3 (19·4-23·3)	61·9 (60·0-63·5)	20·5 (18·5-22·6)	49·2 (47·2-51·1)	25·3 (22·7-28·2)	68·6 (66·3-70·6)	24·0 (21·3-26·9)	56·7 (54·4-59·1)
Australia	15·5 (13·2-18·3)	56·1 (53·5-58·8)	15·8 (13·2-18·6)	42·7 (40·0-45·6)	17·3 (14·9-20·1)	55·3 (53·2-57·4)	17·2 (14·5-20·2)	41·1 (39·0-43·4)	20·2 (17·9-22·7)	61·5 (59·3-63·6)	19·3 (16·9-21·9)	48·5 (46·2-50·9)	24·4 (21·4-28·0)	68·2 (65·6-70·5)	23·0 (19·9-26·5)	56·1 (53·4-58·9)

Country/Region	Males, 1980		Females, 1980		Males, 1990		Females, 1990		Males, 2000		Females, 2000		Males, 2013		Females, 2013	
	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20
New Zealand	19·2 (16·2-22·5)	55·8 (52·9-58·5)	17·9 (15·0-21·4)	43·8 (40·8-46·7)	21·4 (18·4-24·7)	57·8 (55·2-60·2)	20·3 (17·0-23·7)	46·7 (44·3-49·3)	26·5 (23·8-29·3)	63·5 (61·8-65·2)	25·8 (23·2-28·5)	52·2 (50·5-53·8)	29·6 (26·0-33·3)	71·4 (69·6-73·3)	28·7 (25·3-32·6)	60·0 (57·8-62·2)
Caribbean	10·2 (9·3-11·2)	32·2 (31·0-33·6)	15·8 (14·4-17·2)	41·1 (39·6-42·3)	10·0 (9·2-10·9)	32·4 (31·2-33·8)	15·3 (14·0-16·6)	41·0 (39·7-42·3)	11·5 (10·6-12·5)	33·9 (32·5-35·2)	17·4 (16·0-18·7)	45·9 (44·5-47·4)	13·4 (12·3-14·6)	37·8 (36·4-39·1)	19·9 (18·4-21·5)	50·4 (49·1-51·8)
Antigua and Barbuda	8·3 (6·8-9·9)	28·5 (26·2-30·8)	15·8 (13·1-18·9)	41·8 (39·0-44·8)	10·5 (8·7-12·7)	33·8 (31·3-36·4)	19·2 (16·0-22·8)	47·0 (44·1-50·1)	9·7 (8·1-11·6)	31·8 (29·3-34·3)	18·3 (15·4-21·9)	45·6 (42·7-48·4)	11·2 (9·4-13·4)	35·5 (32·7-38·4)	20·5 (17·3-24·2)	49·1 (46·3-52·0)
Barbados	22·6 (19·3-26·5)	64·1 (61·5-66·7)	29·1 (24·8-33·6)	66·8 (64·1-69·4)	23·7 (20·1-27·7)	64·1 (61·3-66·8)	30·1 (25·8-34·7)	68·0 (65·6-70·4)	22·4 (19·1-25·9)	56·1 (53·8-58·5)	29·1 (25·4-33·3)	66·7 (64·9-68·7)	25·3 (21·6-29·1)	57·5 (54·7-60·1)	32·4 (27·9-37·3)	69·9 (67·2-72·4)
Belize	20·8 (17·7-24·3)	55·2 (52·3-58·0)	30·1 (25·8-35·0)	72·6 (70·1-75·0)	20·9 (17·8-24·4)	55·2 (52·4-58·0)	30·0 (25·8-34·6)	72·6 (70·1-75·1)	20·7 (17·6-23·9)	56·5 (53·8-59·4)	29·7 (25·6-34·1)	73·8 (71·4-76·1)	18·4 (15·7-21·4)	58·6 (55·9-61·4)	27·1 (23·1-31·5)	75·3 (72·9-77·5)
Cuba	12·4 (10·4-14·8)	32·2 (29·7-34·7)	19·7 (16·4-23·3)	45·6 (42·7-48·4)	12·2 (10·1-14·4)	31·4 (29·0-34·2)	19·4 (16·2-22·8)	45·2 (42·3-48·2)	13·3 (11·1-15·8)	32·8 (30·4-35·5)	20·9 (17·5-24·8)	47·1 (44·1-50·3)	15·7 (13·1-18·4)	37·5 (34·5-40·4)	23·9 (20·3-28·1)	51·4 (48·5-54·3)
Dominica	8·2 (6·7-9·8)	22·9 (20·9-24·9)	18·1 (15·2-21·4)	63·4 (60·8-66·3)	11·9 (9·8-14·1)	30·7 (28·3-33·1)	24·1 (20·3-28·1)	69·5 (66·9-72·1)	13·3 (11·0-15·9)	32·8 (30·3-35·5)	26·3 (22·3-30·6)	71·6 (69·2-73·9)	15·2 (12·7-18·0)	36·6 (33·8-39·1)	29·2 (24·5-33·6)	74·0 (71·5-76·4)
Dominican Republic	9·9 (8·2-11·8)	42·8 (40·0-45·8)	12·9 (10·5-15·3)	35·5 (32·7-38·3)	11·0 (9·3-12·9)	44·0 (41·2-47·1)	13·8 (11·6-16·5)	37·7 (35·6-39·9)	14·6 (12·4-17·1)	46·0 (42·9-49·0)	19·4 (16·5-22·6)	49·7 (46·9-52·4)	17·8 (14·8-20·9)	50·7 (47·9-53·7)	25·2 (21·5-29·5)	54·8 (51·7-57·9)
Grenada	9·5 (7·9-11·3)	31·7 (29·2-34·2)	17·8 (14·6-21·4)	45·0 (42·2-48·0)	10·8 (8·7-13·0)	34·6 (32·1-37·2)	19·7 (16·4-23·1)	47·6 (44·8-50·6)	10·5 (8·7-12·5)	33·5 (30·8-36·1)	19·4 (16·3-23·0)	47·3 (44·3-50·3)	11·6 (9·7-13·9)	36·5 (33·9-39·0)	21·2 (17·8-25·1)	50·2 (47·2-53·2)
Guyana	8·5 (7·0-10·2)	35·4 (32·8-38·3)	15·9 (13·0-18·9)	56·8 (53·7-59·8)	8·8 (7·3-10·5)	36·0 (33·4-38·8)	16·2 (13·3-19·5)	57·4 (54·5-60·5)	10·8 (9·1-12·8)	40·0 (37·4-42·5)	20·0 (16·8-23·3)	61·3 (58·3-63·9)	11·5 (9·8-13·3)	40·9 (38·6-43·2)	22·2 (18·8-25·8)	62·3 (60·2-64·5)
Haiti	6·7 (5·5-8·1)	14·8 (13·3-16·4)	10·2 (8·4-12·6)	21·3 (19·1-23·3)	6·3 (5·2-7·6)	13·8 (12·4-15·2)	9·7 (7·9-11·7)	19·3 (17·6-21·2)	6·5 (5·6-7·6)	14·2 (13·2-15·3)	9·5 (8·2-11·1)	25·5 (24·0-27·1)	7·7 (6·5-9·1)	16·6 (15·1-18·4)	9·5 (7·9-11·5)	30·8 (28·7-33·0)
Jamaica	11·2 (9·4-13·4)	30·3 (28·1-32·9)	23·6 (19·9-27·6)	54·2 (51·2-57·2)	11·5 (9·5-13·8)	30·9 (28·4-33·5)	23·9 (20·1-28·1)	54·6 (51·6-57·6)	12·2 (10·1-14·4)	32·6 (30·1-35·0)	27·2 (23·1-31·5)	57·4 (54·6-60·0)	13·4 (11·1-15·7)	37·1 (34·3-39·9)	31·0 (26·5-36·0)	62·7 (59·7-65·2)
Saint Lucia	11·0 (9·1-13·1)	37·8 (35·0-40·5)	12·3 (10·1-14·9)	35·9 (33·0-38·8)	13·3 (11·0-15·7)	42·8 (40·1-45·5)	14·6 (11·8-17·5)	40·0 (37·2-42·7)	14·8 (12·2-17·4)	45·1 (42·3-48·0)	16·1 (13·3-19·2)	42·5 (39·6-45·4)	15·8 (13·2-18·7)	46·9 (44·0-49·6)	17·0 (13·9-20·2)	44·2 (41·4-47·2)
Saint Vincent and the Grenadines	10·3 (8·5-12·4)	33·8 (31·2-36·3)	19·0 (15·8-22·4)	46·8 (44·0-49·7)	10·7 (9·0-12·7)	34·5 (32·0-37·1)	19·5 (16·3-23·1)	47·6 (44·6-50·4)	12·1 (10·1-14·4)	37·0 (34·3-39·5)	21·7 (18·2-25·9)	50·7 (47·6-53·9)	15·3 (12·7-17·9)	43·5 (40·8-46·3)	26·0 (22·1-30·7)	56·5 (53·2-59·7)

Country/Region	Males, 1980		Females, 1980		Males, 1990		Females, 1990		Males, 2000		Females, 2000		Males, 2013		Females, 2013	
	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20
Suriname	8·5 (7·0-10·3)	42·7 (40·1-45·5)	17·2 (14·3-20·4)	57·6 (54·7-60·6)	9·5 (7·7-11·4)	45·4 (42·6-48·1)	19·0 (15·8-22·6)	60·1 (57·0-63·0)	10·1 (8·3-12·1)	46·1 (43·1-49·0)	20·2 (16·7-24·1)	61·3 (58·2-64·2)	11·8 (9·8-14·0)	49·7 (46·9-52·5)	22·6 (19·0-26·3)	64·7 (61·8-67·5)
The Bahamas	11·8 (9·9-14·0)	37·1 (34·5-39·9)	21·1 (17·6-25·0)	49·8 (46·7-52·6)	12·9 (10·8-15·3)	39·4 (36·7-42·2)	22·6 (18·9-26·6)	51·9 (48·7-54·9)	13·5 (11·1-16·1)	39·9 (37·1-42·7)	23·4 (19·8-27·4)	53·0 (49·9-56·1)	19·1 (16·3-22·3)	49·9 (47·1-52·8)	33·3 (28·7-38·3)	64·3 (61·4-67·2)
Trinidad and Tobago	7·6 (6·3-9·1)	52·8 (49·9-55·7)	9·0 (7·3-10·9)	63·1 (60·4-65·8)	8·3 (6·8-10·1)	51·6 (48·5-54·5)	10·0 (8·0-12·0)	62·3 (59·6-65·1)	14·4 (12·0-17·1)	51·4 (48·5-54·4)	16·7 (13·8-19·8)	62·8 (59·9-65·4)	19·2 (16·3-22·1)	55·5 (53·2-57·7)	21·3 (18·0-25·0)	66·1 (64·1-68·1)
Central Asia	15·4 (14·2-16·6)	40·5 (39·4-41·7)	16·4 (15·1-17·8)	44·5 (43·4-45·6)	17·1 (15·8-18·4)	43·3 (42·1-44·5)	17·8 (16·4-19·3)	46·6 (45·5-47·6)	17·0 (15·8-18·3)	44·7 (43·7-45·6)	17·7 (16·4-19·2)	47·7 (46·8-48·7)	19·9 (18·6-21·4)	50·8 (49·5-52·0)	20·6 (19·0-22·1)	53·2 (52·0-54·4)
Armenia	16·8 (14·1-19·8)	34·3 (31·7-36·8)	18·9 (15·8-22·4)	51·7 (49·1-54·5)	17·7 (14·7-20·7)	35·9 (33·4-38·6)	20·1 (16·9-23·4)	53·0 (50·5-55·7)	19·0 (16·4-21·5)	38·3 (35·9-40·7)	21·2 (18·2-24·5)	55·7 (54·2-57·2)	23·3 (20·1-27·1)	44·7 (42·1-47·3)	24·1 (20·7-28·2)	60·4 (58·0-62·7)
Azerbaijan	9·9 (8·2-11·8)	41·3 (38·8-43·9)	10·5 (8·6-12·7)	52·1 (49·5-54·9)	10·8 (9·0-12·9)	43·6 (40·9-46·3)	11·4 (9·1-13·6)	54·2 (51·5-56·7)	13·9 (11·8-16·2)	48·3 (46·0-50·9)	13·9 (11·8-16·4)	58·5 (56·2-60·9)	24·9 (21·2-28·6)	59·0 (56·6-61·4)	23·1 (19·5-26·9)	67·3 (65·1-69·5)
Georgia	16·6 (13·8-19·6)	45·8 (42·8-48·6)	20·4 (16·9-23·9)	43·3 (40·5-45·9)	17·4 (14·5-20·4)	47·0 (44·1-50·0)	21·0 (17·5-24·7)	44·2 (41·5-47·0)	23·0 (19·4-26·9)	54·9 (52·1-57·7)	26·9 (23·0-31·2)	52·3 (49·6-55·1)	26·3 (22·5-30·1)	58·7 (56·0-61·4)	29·9 (25·7-34·3)	59·7 (57·1-62·5)
Kazakhstan	11·5 (9·6-13·7)	35·6 (32·9-38·5)	15·1 (12·5-18·0)	48·5 (45·8-51·3)	13·4 (11·3-15·9)	40·0 (37·3-42·9)	17·3 (14·3-20·4)	52·0 (49·6-54·3)	14·2 (11·9-16·8)	40·7 (38·1-43·6)	16·1 (13·6-18·8)	48·6 (46·5-50·6)	20·5 (17·6-23·8)	52·7 (49·9-55·4)	21·9 (18·6-25·8)	55·9 (53·1-58·7)
Kyrgyzstan	17·5 (14·7-20·7)	47·3 (44·6-50·1)	14·6 (12·0-17·5)	43·3 (40·7-45·8)	19·3 (16·2-22·5)	50·1 (47·1-52·8)	16·0 (13·3-19·1)	45·4 (43·0-47·7)	18·5 (15·6-21·5)	49·0 (46·2-51·9)	16·8 (14·2-19·5)	46·6 (44·6-48·4)	19·7 (16·6-23·1)	50·9 (47·9-53·6)	19·1 (15·8-22·6)	50·0 (47·2-52·8)
Mongolia	14·0 (11·5-16·4)	36·9 (34·4-39·8)	18·9 (15·6-22·5)	48·0 (45·2-50·9)	13·2 (11·1-15·8)	35·3 (33·0-38·1)	18·1 (15·1-21·6)	46·7 (43·9-49·6)	13·5 (11·5-15·7)	35·9 (33·6-38·3)	18·0 (15·4-20·7)	47·9 (45·3-50·4)	15·5 (13·1-18·2)	44·3 (42·0-46·7)	18·9 (15·9-22·2)	53·8 (51·3-56·2)
Tajikistan	11·9 (9·8-14·3)	37·0 (34·4-39·6)	12·6 (10·3-15·2)	27·7 (25·2-30·1)	13·1 (10·9-15·6)	39·3 (36·8-42·2)	13·8 (11·2-16·6)	29·8 (27·2-32·3)	13·1 (10·9-15·4)	38·9 (36·4-41·7)	12·9 (10·5-15·5)	35·1 (32·4-37·7)	13·0 (11·0-15·3)	39·6 (37·1-42·4)	13·3 (10·8-15·7)	41·8 (39·5-44·2)
Turkmenistan	15·2 (12·6-18·0)	43·4 (40·5-46·1)	17·8 (14·8-21·0)	44·6 (41·7-47·5)	17·1 (14·4-20·2)	46·7 (43·8-49·3)	19·8 (16·5-23·6)	47·6 (44·8-50·4)	18·3 (15·4-21·6)	48·4 (45·7-51·3)	21·0 (17·5-24·7)	49·6 (46·7-52·6)	21·5 (18·2-25·1)	53·2 (50·4-56·0)	24·2 (20·4-28·4)	53·7 (50·7-56·7)
Uzbekistan	19·9 (16·8-23·1)	43·9 (41·0-46·8)	18·4 (15·1-21·9)	39·0 (36·5-41·7)	22·0 (19·0-25·4)	46·9 (44·2-49·5)	20·2 (17·0-23·5)	41·1 (38·6-43·4)	19·0 (16·4-21·9)	45·4 (43·4-47·3)	18·9 (16·0-22·0)	42·3 (40·5-44·3)	20·2 (17·3-23·5)	49·2 (46·6-51·9)	20·6 (17·1-24·3)	46·6 (43·8-49·2)
Central Europe	17·2 (16·1-18·3)	58·1 (57·0-59·2)	16·7 (15·6-17·9)	47·8 (46·8-48·9)	17·6 (16·5-18·7)	58·2 (57·1-59·2)	16·8 (15·8-18·0)	47·6 (46·6-48·7)	19·1 (18·0-20·3)	59·4 (58·3-60·6)	18·1 (17·0-19·2)	48·3 (47·2-49·3)	21·3 (20·0-22·7)	62·2 (61·1-63·3)	20·3 (18·9-21·6)	50·4 (49·2-51·5)

Country/Region	Males, 1980		Females, 1980		Males, 1990		Females, 1990		Males, 2000		Females, 2000		Males, 2013		Females, 2013	
	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20
Albania	31·5 (27·4-35·9)	46·6 (43·6-49·7)	28·5 (24·2-32·7)	37·9 (35·0-40·8)	32·3 (27·7-36·5)	46·8 (43·9-49·8)	29·0 (25·0-32·9)	37·9 (35·2-40·8)	33·7 (30·1-37·9)	50·3 (47·9-53·0)	29·0 (25·6-32·5)	40·5 (38·1-42·9)	32·8 (28·5-37·3)	56·2 (53·6-58·7)	26·7 (22·9-30·5)	45·8 (43·3-48·5)
Bosnia and Herzegovina	11·2 (9·2-13·2)	47·6 (44·9-50·3)	15·5 (12·8-18·6)	44·3 (41·6-46·9)	12·1 (10·0-14·4)	49·5 (46·7-52·3)	16·5 (13·7-19·8)	45·8 (43·2-48·4)	14·6 (12·4-16·8)	53·6 (50·8-56·2)	19·4 (16·3-22·7)	49·1 (46·6-51·7)	17·2 (14·7-20·1)	57·3 (54·5-60·2)	22·7 (19·2-26·3)	51·9 (49·2-54·7)
Bulgaria	33·1 (28·9-37·5)	68·0 (65·4-70·4)	32·5 (27·9-37·6)	56·0 (53·4-58·8)	29·5 (25·5-33·9)	64·1 (61·5-66·6)	29·2 (24·9-34·0)	52·4 (49·4-55·4)	25·6 (21·8-29·5)	58·9 (56·1-61·4)	25·4 (21·7-29·2)	47·9 (45·1-50·5)	26·7 (22·9-30·8)	59·7 (56·9-62·2)	25·7 (21·9-29·9)	48·8 (46·1-51·7)
Croatia	22·9 (19·4-26·6)	53·1 (50·3-55·8)	11·6 (9·5-14·2)	41·6 (38·9-44·4)	24·6 (20·8-28·6)	54·9 (52·2-57·6)	12·4 (10·1-14·8)	43·1 (40·4-45·7)	27·0 (23·2-31·0)	59·4 (56·7-62·0)	15·1 (12·6-17·8)	46·4 (44·0-48·8)	29·5 (25·3-33·8)	65·5 (62·9-68·2)	19·7 (16·5-23·1)	51·0 (48·3-53·7)
Czech Republic	20·3 (17·3-23·7)	60·1 (57·5-62·8)	18·2 (15·2-21·6)	51·4 (48·6-54·1)	21·1 (17·9-24·6)	61·1 (58·4-63·5)	18·8 (15·9-22·1)	51·9 (49·0-54·9)	21·7 (18·5-25·4)	63·0 (60·4-65·6)	18·5 (15·3-21·9)	50·4 (47·8-53·2)	22·3 (19·1-26·3)	65·5 (62·9-68·2)	18·0 (15·0-21·0)	50·0 (47·2-52·7)
Hungary	26·1 (22·2-30·1)	64·6 (61·8-67·0)	22·6 (18·9-26·5)	55·1 (52·3-57·9)	28·0 (23·8-32·2)	66·0 (63·5-68·5)	23·7 (20·0-27·2)	56·3 (53·4-59·3)	27·3 (23·4-31·4)	63·6 (61·1-66·4)	23·0 (19·4-27·1)	53·8 (51·0-56·5)	30·2 (26·3-34·4)	65·6 (63·0-68·1)	24·9 (21·3-28·6)	54·8 (52·0-57·5)
Macedonia	17·3 (14·6-20·2)	44·2 (41·5-47·2)	16·6 (13·7-19·7)	44·0 (41·3-46·7)	18·8 (15·7-22·2)	46·4 (43·5-49·4)	17·7 (14·6-21·1)	45·5 (42·8-48·2)	22·4 (19·1-26·0)	52·1 (49·4-54·8)	20·6 (17·6-24·2)	49·0 (46·3-51·8)	23·7 (20·5-27·2)	57·0 (54·2-59·9)	22·3 (19·1-25·9)	51·7 (49·0-54·3)
Montenegro	19·3 (16·1-22·5)	51·6 (48·4-54·6)	20·9 (17·5-24·8)	49·9 (46·9-52·9)	21·2 (17·7-24·5)	53·9 (50·9-56·7)	22·6 (19·2-26·6)	52·0 (49·0-54·9)	23·6 (20·3-27·4)	56·6 (53·6-59·5)	24·6 (20·9-28·6)	54·2 (51·3-57·1)	26·3 (22·7-30·2)	60·1 (57·1-62·9)	27·3 (23·1-31·4)	57·0 (54·1-60·1)
Poland	17·2 (14·4-20·0)	61·1 (58·5-63·6)	13·6 (11·3-16·5)	47·3 (44·7-49·9)	17·6 (14·9-20·7)	61·0 (58·2-63·7)	14·1 (11·6-16·7)	46·7 (44·1-49·3)	19·8 (17·0-22·7)	62·3 (59·6-64·9)	15·6 (13·2-18·2)	47·6 (45·0-50·3)	21·9 (18·6-25·7)	64·0 (61·4-66·7)	17·8 (14·7-21·3)	49·4 (46·8-52·1)
Romania	8·1 (6·7-9·8)	54·0 (51·3-56·7)	16·0 (13·4-19·1)	45·1 (42·3-48·0)	7·8 (6·5-9·4)	52·8 (50·3-55·5)	15·6 (12·9-18·3)	44·1 (41·5-46·7)	9·0 (7·5-10·8)	55·8 (53·2-58·4)	17·4 (14·4-20·7)	46·4 (43·7-49·1)	11·0 (9·2-13·2)	60·4 (57·6-63·0)	20·3 (17·1-24·2)	50·3 (47·6-53·0)
Serbia	8·2 (6·7-9·7)	47·6 (44·7-50·3)	10·5 (8·6-12·8)	43·3 (40·7-46·1)	9·0 (7·5-10·6)	49·8 (47·0-52·6)	11·3 (9·3-13·6)	45·3 (42·5-48·0)	13·1 (11·0-15·4)	52·5 (50·1-54·8)	16·0 (13·4-19·1)	47·8 (45·4-50·3)	19·2 (16·5-22·5)	55·7 (53·5-58·2)	23·1 (19·8-26·7)	50·4 (47·8-52·8)
Slovakia	14·2 (11·8-16·9)	58·6 (55·9-61·3)	10·3 (8·4-12·5)	47·4 (44·8-50·1)	16·4 (13·8-19·4)	61·9 (59·2-64·5)	11·6 (9·5-14·0)	49·9 (47·1-52·5)	18·0 (15·0-21·0)	63·0 (60·1-65·8)	12·4 (10·2-15·0)	50·3 (47·9-53·0)	20·6 (17·5-23·8)	64·4 (61·8-66·9)	13·5 (11·0-16·4)	51·5 (48·9-54·1)
Slovenia	24·4 (20·8-28·4)	57·1 (54·4-59·7)	14·1 (11·6-16·9)	44·6 (42·0-47·5)	26·2 (22·5-30·5)	58·9 (56·3-61·6)	14·6 (13·1-16·2)	46·1 (43·4-49·0)	29·6 (25·3-33·8)	62·1 (59·3-64·7)	18·1 (16·7-19·8)	49·4 (46·7-52·0)	33·1 (29·4-36·9)	65·1 (62·3-67·6)	24·0 (20·7-27·3)	52·1 (49·1-54·8)
Central Latin America	18·5 (16·5-20·5)	42·4 (40·8-44·0)	19·0 (17·2-21·1)	50·6 (48·9-52·2)	19·4 (17·5-21·6)	45·6 (44·0-47·2)	19·5 (17·8-21·3)	52·8 (51·5-54·1)	19·3 (17·9-20·9)	51·0 (49·8-52·2)	22·6 (21·1-24·0)	60·7 (59·8-61·6)	21·7 (20·1-23·3)	57·1 (56·0-58·2)	25·5 (23·7-27·3)	65·2 (64·1-66·2)

Country/Region	Males, 1980		Females, 1980		Males, 1990		Females, 1990		Males, 2000		Females, 2000		Males, 2013		Females, 2013	
	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20
Colombia	10·3 (8·5-12·2)	32·3 (29·8-34·8)	15·6 (12·9-18·5)	46·7 (43·6-49·7)	11·2 (9·3-13·3)	36·1 (33·3-38·8)	17·4 (14·6-20·7)	49·8 (47·3-52·5)	13·3 (11·2-15·8)	43·9 (41·4-46·8)	18·3 (15·6-21·3)	53·9 (52·1-55·9)	15·4 (13·1-18·0)	52·7 (50·4-54·9)	18·3 (15·4-21·6)	57·0 (54·9-59·2)
Costa Rica	15·1 (12·7-17·6)	44·5 (42·0-47·2)	29·7 (25·1-34·6)	57·0 (53·8-59·6)	17·8 (14·9-21·0)	50·2 (47·3-53·0)	33·4 (28·6-38·7)	61·7 (58·7-64·7)	19·2 (16·2-22·4)	53·0 (50·4-55·8)	35·5 (30·9-40·5)	64·2 (61·5-66·9)	20·8 (17·6-24·4)	55·2 (52·5-58·2)	37·7 (32·5-42·9)	66·5 (63·6-69·2)
El Salvador	8·2 (6·7-9·9)	26·5 (24·3-28·8)	18·7 (15·8-22·3)	54·1 (51·1-57·1)	9·4 (7·8-11·0)	29·9 (27·5-32·6)	21·1 (17·8-24·7)	57·8 (54·8-60·8)	10·2 (8·6-12·1)	33·2 (30·7-35·9)	24·8 (21·6-28·4)	64·2 (62·1-66·4)	11·2 (9·3-13·3)	35·7 (33·0-38·4)	25·4 (22·0-29·1)	71·0 (68·7-73·1)
Guatemala	11·9 (9·9-14·1)	31·9 (29·4-34·6)	15·8 (12·9-18·8)	43·3 (40·3-46·6)	13·1 (11·1-15·4)	34·7 (32·2-37·4)	16·7 (14·1-19·4)	44·7 (42·0-47·5)	13·3 (12·1-14·7)	35·0 (33·4-36·5)	17·4 (16·0-19·1)	49·0 (47·5-50·7)	13·6 (11·4-16·2)	41·4 (38·8-44·0)	19·4 (16·5-22·8)	54·5 (51·8-57·2)
Honduras	6·6 (5·4-7·8)	22·1 (20·1-24·2)	15·8 (12·9-18·8)	45·8 (42·7-48·9)	7·6 (6·3-9·3)	25·8 (23·6-28·3)	17·7 (14·6-20·8)	49·5 (46·4-52·7)	9·1 (7·6-10·9)	30·6 (28·2-33·2)	19·8 (17·0-23·0)	55·3 (53·0-57·4)	11·4 (9·5-13·5)	35·9 (33·3-38·6)	21·5 (18·2-24·8)	66·0 (64·0-67·9)
Mexico	25·1 (21·2-28·8)	51·7 (48·9-54·5)	20·1 (16·9-23·8)	53·6 (50·8-56·5)	26·5 (22·8-30·6)	55·7 (52·8-58·6)	20·4 (17·4-23·7)	56·1 (53·9-58·3)	25·8 (23·1-28·8)	61·7 (59·8-63·6)	25·2 (22·8-27·5)	67·4 (66·0-68·8)	28·4 (25·3-31·6)	66·8 (64·9-68·6)	29·3 (25·8-32·5)	71·4 (69·5-73·2)
Nicaragua	12·6 (10·5-15·0)	36·1 (33·5-38·8)	18·1 (15·2-21·4)	54·4 (51·6-57·2)	13·0 (11·0-15·3)	37·6 (34·9-40·3)	19·0 (15·9-22·4)	56·0 (53·2-58·8)	13·7 (11·5-16·1)	39·5 (37·0-42·2)	21·4 (18·5-24·6)	62·4 (60·9-64·0)	14·8 (12·4-17·5)	43·0 (40·3-45·8)	23·4 (19·9-27·1)	67·6 (65·3-69·9)
Panama	5·2 (4·2-6·3)	6·3 (5·6-7·0)	5·8 (4·6-7·1)	12·1 (10·8-13·3)	6·9 (5·6-8·4)	8·3 (7·5-9·2)	6·8 (5·5-8·3)	15·1 (13·5-16·6)	8·6 (7·1-10·4)	17·5 (15·9-19·2)	8·1 (6·7-9·9)	26·4 (24·4-28·8)	10·6 (8·9-12·6)	21·4 (19·5-23·5)	9·9 (8·1-12·0)	30·9 (28·4-33·5)
Venezuela	13·8 (11·5-16·6)	38·7 (35·9-41·5)	22·1 (18·7-25·9)	50·4 (47·4-53·5)	13·1 (10·8-15·6)	38·4 (35·6-41·2)	21·1 (17·4-25·0)	49·7 (46·6-53·0)	13·4 (11·0-15·9)	39·6 (36·9-42·3)	21·6 (17·9-25·3)	50·7 (47·7-53·9)	18·4 (15·5-21·6)	48·7 (45·7-51·5)	27·7 (23·7-31·9)	58·4 (55·6-61·4)
Central Sub-Saharan Africa	10·9 (9·5-12·4)	23·2 (22·1-24·3)	14·7 (12·9-16·5)	20·9 (19·8-22·1)	10·6 (9·3-12·0)	22·6 (21·5-23·8)	14·4 (12·7-16·4)	20·7 (19·7-21·9)	10·8 (9·8-12·1)	23·2 (22·1-24·4)	14·9 (13·2-16·6)	22·7 (21·5-23·9)	10·3 (9·2-11·6)	24·8 (23·7-26·1)	14·6 (12·9-16·3)	25·7 (24·4-27·1)
Angola	12·8 (10·5-15·2)	36·4 (33·8-39·2)	17·2 (14·3-20·7)	41·4 (38·7-44·3)	11·4 (9·5-13·7)	33·7 (31·1-36·1)	15·8 (12·9-19·0)	39·1 (36·3-41·9)	12·6 (10·7-14·6)	36·5 (33·8-39·1)	17·2 (14·6-20·2)	42·6 (39·7-45·6)	15·5 (13·0-18·3)	42·9 (40·1-45·7)	20·9 (17·5-24·6)	49·1 (46·1-52·0)
Central African Republic	15·8 (13·2-18·7)	42·4 (39·6-45·3)	13·4 (10·9-16·0)	9·8 (8·8-11·0)	13·3 (11·1-15·7)	37·7 (35·0-40·5)	11·4 (9·3-13·6)	8·2 (7·3-9·2)	12·8 (10·9-15·2)	36·1 (33·7-38·8)	12·8 (10·8-15·1)	8·6 (7·6-9·6)	10·2 (8·5-12·0)	33·7 (31·2-36·3)	11·2 (9·1-13·6)	10·1 (9·0-11·3)
Congo	13·9 (11·5-16·4)	38·5 (35·9-41·5)	15·0 (12·5-18·0)	34·9 (32·4-37·9)	14·0 (11·8-16·8)	38·9 (36·2-41·5)	15·3 (12·7-18·2)	35·4 (32·5-38·1)	12·3 (10·3-14·8)	35·8 (33·4-38·5)	15·0 (12·6-17·7)	37·7 (35·3-40·0)	8·9 (7·4-10·7)	29·2 (27·0-31·6)	11·2 (9·3-13·2)	37·9 (35·7-40·2)
Democratic Republic of the Congo	9·6 (7·8-11·7)	15·7 (14·2-17·2)	13·9 (11·4-16·5)	14·5 (13·1-16·0)	9·8 (8·1-11·8)	15·9 (14·4-17·5)	14·0 (11·6-16·9)	14·8 (13·3-16·4)	9·8 (8·4-11·5)	16·4 (14·9-17·9)	14·1 (11·9-16·6)	16·1 (14·6-17·7)	8·5 (7·0-10·2)	17·5 (15·9-19·2)	12·6 (10·5-15·0)	17·7 (16·1-19·5)

Country/Region	Males, 1980		Females, 1980		Males, 1990		Females, 1990		Males, 2000		Females, 2000		Males, 2013		Females, 2013	
	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20
Equatorial Guinea	23·4 (20·0-27·0)	53·8 (51·1-56·6)	28·9 (24·5-33·5)	57·0 (54·1-60·0)	23·9 (20·6-27·6)	54·5 (51·9-57·3)	29·6 (25·4-34·3)	57·8 (54·9-60·8)	25·4 (22·1-29·0)	56·6 (53·7-59·4)	31·2 (27·1-35·5)	60·4 (57·5-63·5)	27·2 (23·3-31·3)	59·6 (56·8-62·4)	33·2 (28·9-38·0)	63·4 (60·6-66·2)
Gabon	10·2 (8·3-12·3)	36·7 (34·1-39·4)	14·2 (11·8-17·1)	38·9 (36·3-41·8)	10·8 (9·0-13·0)	38·3 (35·7-41·1)	15·0 (12·2-18·1)	40·4 (37·7-43·3)	11·8 (9·9-13·7)	40·0 (37·5-42·7)	16·9 (14·3-19·9)	48·1 (45·7-50·5)	13·3 (11·4-15·4)	42·1 (39·8-44·5)	20·1 (17·1-23·4)	59·6 (57·5-61·7)
East Asia	7·0 (5·8-8·4)	9·8 (8·8-10·9)	4·5 (3·7-5·5)	13·0 (11·8-14·4)	10·0 (8·7-11·5)	11·8 (11·1-12·5)	8·2 (7·1-9·4)	14·8 (14·1-15·6)	15·5 (13·6-17·6)	20·2 (19·1-21·2)	10·7 (9·3-12·2)	22·3 (21·4-23·1)	22·6 (19·8-25·6)	28·0 (26·2-29·7)	13·7 (11·8-15·8)	27·1 (25·5-28·7)
China	6·9 (5·7-8·4)	9·6 (8·6-10·8)	4·5 (3·6-5·5)	13·0 (11·8-14·4)	9·9 (8·6-11·5)	11·7 (11·0-12·3)	8·2 (7·0-9·4)	14·9 (14·1-15·7)	15·6 (13·7-17·7)	20·2 (19·2-21·3)	10·8 (9·3-12·3)	22·5 (21·6-23·4)	23·0 (20·1-26·1)	28·3 (26·4-30·0)	14·0 (12·0-16·1)	27·4 (25·8-29·0)
North Korea	1·0 (0·8-1·2)	4·0 (3·5-4·5)	0·9 (0·7-1·1)	4·7 (4·1-5·3)	1·1 (0·9-1·3)	4·3 (3·8-4·8)	1·0 (0·8-1·2)	5·0 (4·4-5·6)	1·0 (0·8-1·3)	4·1 (3·7-4·6)	1·0 (0·8-1·2)	4·7 (4·1-5·4)	1·0 (0·8-1·3)	4·1 (3·7-4·6)	1·0 (0·8-1·2)	4·7 (4·2-5·2)
Taiwan (Province of China)	17·0 (14·2-20·0)	23·2 (21·2-25·4)	11·4 (9·5-13·6)	22·5 (20·6-24·7)	20·6 (18·3-22·9)	26·3 (24·1-28·7)	13·7 (12·2-15·5)	25·2 (23·0-27·4)	22·7 (20·8-24·8)	29·9 (28·5-31·2)	15·5 (14·1-17·1)	27·4 (26·1-28·9)	25·9 (22·3-29·9)	33·8 (31·3-36·4)	17·4 (14·5-20·7)	30·9 (28·4-33·4)
Eastern Europe	13·0 (11·4-14·8)	43·5 (41·5-45·3)	14·8 (12·9-16·6)	51·5 (49·6-53·4)	15·1 (13·8-16·5)	45·7 (44·4-46·9)	16·9 (15·5-18·5)	53·8 (52·4-55·0)	16·7 (15·1-18·4)	49·1 (48·1-50·1)	16·8 (15·2-18·6)	57·4 (56·5-58·4)	19·0 (16·7-21·4)	55·0 (52·8-56·9)	18·8 (16·5-21·2)	57·8 (55·9-59·7)
Belarus	12·3 (10·1-14·5)	37·6 (34·9-40·3)	14·3 (11·8-17·1)	39·7 (36·9-42·5)	13·7 (11·4-16·3)	40·5 (37·7-43·3)	15·8 (12·9-18·8)	42·1 (39·3-44·9)	13·6 (11·4-16·0)	40·6 (38·0-43·4)	15·7 (13·0-18·5)	42·0 (39·0-45·1)	15·4 (12·9-18·5)	44·1 (41·2-46·8)	17·4 (14·4-20·5)	44·7 (41·9-47·6)
Estonia	14·0 (11·5-16·6)	49·3 (46·5-52·1)	19·5 (16·2-23·1)	50·1 (47·3-52·8)	15·0 (12·7-17·7)	50·6 (47·6-53·3)	20·0 (16·7-23·8)	50·7 (48·0-53·3)	20·2 (16·9-23·3)	54·5 (51·8-57·3)	20·2 (16·9-23·8)	52·0 (49·5-54·5)	24·0 (20·2-27·8)	59·3 (56·5-62·0)	21·4 (18·0-25·2)	54·3 (51·5-57·2)
Latvia	16·3 (13·7-19·4)	51·6 (48·6-54·4)	13·4 (10·9-15·9)	54·5 (51·7-57·2)	18·5 (15·5-21·9)	54·8 (52·0-57·5)	14·8 (12·2-17·7)	56·8 (54·2-59·4)	18·3 (15·5-21·3)	53·6 (50·8-56·4)	14·0 (11·4-16·6)	54·9 (52·3-57·4)	19·9 (16·8-23·2)	56·3 (53·6-59·1)	15·2 (12·6-18·1)	55·8 (53·2-58·6)
Lithuania	16·2 (13·5-19·2)	48·0 (45·5-51·0)	13·3 (11·1-15·9)	46·0 (43·2-48·8)	18·5 (15·5-21·7)	51·8 (49·0-54·5)	15·0 (12·4-17·7)	49·0 (46·5-51·9)	21·4 (18·3-24·9)	57·9 (54·9-60·7)	17·8 (15·0-21·1)	52·9 (50·2-55·7)	24·3 (20·8-28·1)	63·9 (61·1-66·6)	21·1 (17·8-24·6)	56·2 (53·3-59·0)
Moldova	11·9 (10·0-14·1)	37·0 (34·3-39·7)	12·0 (9·9-14·2)	53·1 (50·4-55·6)	13·1 (10·8-15·5)	39·5 (36·8-42·1)	13·0 (10·7-15·6)	55·1 (52·5-57·8)	13·7 (11·5-16·0)	40·5 (37·8-43·4)	13·4 (11·1-15·9)	56·2 (54·0-58·3)	15·8 (13·2-18·6)	44·7 (41·9-47·5)	15·2 (12·7-18·1)	58·8 (56·4-61·1)
Russia	14·7 (12·3-17·3)	40·4 (37·7-43·1)	14·3 (11·9-16·9)	52·2 (49·6-54·9)	17·1 (15·2-19·1)	42·4 (40·6-44·0)	16·8 (14·9-18·9)	54·3 (52·7-55·8)	19·4 (17·1-21·8)	47·4 (46·3-48·6)	16·7 (14·5-19·3)	59·7 (58·6-60·8)	21·7 (18·5-25·0)	54·3 (51·5-57·1)	18·6 (15·5-21·9)	58·9 (56·3-61·4)
Ukraine	8·0 (6·6-9·8)	52·1 (49·1-54·7)	16·3 (13·5-19·4)	52·1 (49·3-55·0)	9·2 (7·6-11·0)	55·2 (52·3-58·0)	18·1 (14·9-21·4)	54·7 (52·0-57·6)	9·1 (7·5-10·9)	55·1 (52·3-57·9)	17·9 (14·9-21·2)	54·5 (51·7-57·4)	10·6 (8·8-12·6)	59·1 (56·3-61·8)	20·1 (16·8-23·8)	57·4 (54·3-60·2)

Country/Region	Males, 1980		Females, 1980		Males, 1990		Females, 1990		Males, 2000		Females, 2000		Males, 2013		Females, 2013	
	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20
Eastern Sub-Saharan Africa	9·4 (8·8-10·0)	14·8 (14·3-15·2)	10·7 (10·0-11·3)	16·2 (15·7-16·7)	8·9 (8·4-9·4)	14·3 (13·9-14·8)	10·3 (9·8-10·9)	15·7 (15·3-16·2)	8·4 (8·0-8·9)	14·0 (13·6-14·5)	10·9 (10·3-11·5)	19·0 (18·5-19·4)	8·4 (7·9-8·9)	14·9 (14·4-15·4)	12·0 (11·3-12·7)	23·7 (23·2-24·3)
Burundi	4·9 (4·0-5·9)	17·3 (15·7-19·1)	6·3 (5·2-7·7)	11·7 (10·5-13·1)	4·7 (3·8-5·7)	16·8 (15·3-18·4)	6·1 (4·9-7·6)	11·0 (9·8-12·3)	5·6 (4·7-6·7)	19·7 (17·9-21·6)	7·6 (6·2-9·3)	10·3 (9·3-11·5)	7·0 (5·9-8·3)	23·0 (20·9-25·1)	9·3 (7·7-10·9)	10·3 (9·3-11·3)
Comoros	16·1 (13·4-18·9)	24·9 (22·8-27·2)	19·0 (15·9-22·7)	33·6 (31·4-36·0)	17·3 (14·7-20·2)	26·3 (24·0-28·7)	20·2 (16·9-23·6)	35·2 (33·0-37·5)	21·4 (18·7-24·3)	25·2 (22·9-27·4)	23·6 (20·3-27·2)	40·6 (38·3-42·9)	19·0 (16·2-22·2)	25·6 (23·5-27·9)	23·9 (20·4-27·9)	48·5 (45·9-51·1)
Djibouti	5·8 (4·6-7·3)	9·8 (8·7-10·9)	15·5 (12·8-18·3)	40·3 (37·3-43·1)	6·1 (4·8-7·6)	10·3 (9·3-11·5)	16·2 (13·6-19·1)	41·4 (38·5-44·3)	7·1 (5·8-8·6)	12·3 (11·1-13·7)	18·8 (15·9-21·9)	46·0 (43·0-49·1)	9·2 (7·6-10·9)	16·3 (14·7-17·8)	23·5 (20·0-27·4)	53·0 (50·0-55·9)
Eritrea	3·8 (3·1-4·7)	10·7 (9·5-11·8)	5·1 (4·2-6·3)	11·1 (10·0-12·2)	3·9 (3·2-4·6)	10·9 (9·8-12·1)	5·3 (4·3-6·4)	11·3 (10·2-12·5)	3·8 (3·1-4·5)	11·3 (10·1-12·5)	5·4 (4·4-6·5)	13·9 (12·7-15·2)	4·1 (3·4-5·1)	12·2 (11·0-13·6)	6·2 (5·0-7·5)	16·4 (14·8-18·1)
Ethiopia	3·7 (3·1-4·5)	3·0 (2·6-3·4)	4·7 (3·7-5·9)	4·4 (3·9-5·0)	3·6 (3·0-4·5)	3·0 (2·6-3·3)	4·7 (3·8-5·8)	4·4 (3·9-4·9)	4·1 (3·4-4·9)	3·4 (3·0-3·8)	5·5 (4·6-6·7)	5·3 (4·7-5·8)	4·6 (3·8-5·5)	4·0 (3·6-4·4)	6·3 (5·2-7·7)	8·0 (7·2-8·9)
Kenya	11·9 (9·8-14·4)	34·5 (31·7-37·3)	13·3 (11·0-16·1)	24·2 (22·0-26·3)	10·7 (8·9-12·8)	32·0 (29·5-34·4)	12·2 (10·1-14·5)	22·3 (20·6-24·1)	10·3 (8·7-12·0)	31·1 (28·5-33·6)	13·1 (11·1-15·3)	27·8 (25·8-29·9)	9·4 (7·8-11·3)	30·0 (27·5-32·5)	13·2 (11·0-15·8)	34·1 (31·6-36·7)
Madagascar	6·3 (5·2-7·6)	10·9 (9·7-12·1)	6·1 (4·8-7·5)	10·7 (9·5-11·9)	5·4 (4·5-6·5)	9·7 (8·6-10·8)	5·4 (4·4-6·6)	9·7 (8·7-10·8)	5·4 (4·5-6·5)	8·7 (8·0-9·6)	5·3 (4·3-6·6)	10·8 (9·8-11·8)	6·3 (5·2-7·6)	9·3 (8·4-10·4)	5·6 (4·5-7·0)	12·6 (11·4-14·0)
Malawi	22·3 (18·8-26·0)	14·0 (12·5-15·4)	17·2 (14·2-20·4)	16·5 (14·9-18·2)	19·8 (17·0-22·8)	12·3 (11·0-13·7)	15·9 (13·3-18·5)	14·7 (13·4-16·1)	15·3 (13·3-17·4)	13·6 (12·3-15·0)	19·9 (17·0-23·0)	18·9 (17·6-20·3)	12·7 (10·9-14·7)	15·6 (14·3-16·9)	24·3 (20·9-27·9)	25·7 (24·0-27·4)
Mauritius	16·6 (13·9-19·6)	29·8 (27·2-32·3)	14·3 (11·9-17·0)	36·3 (33·9-38·9)	18·4 (15·3-21·9)	32·5 (29·9-35·2)	16·1 (13·2-19·2)	38·8 (36·7-41·0)	20·0 (17·1-23·2)	35·2 (32·6-37·9)	19·2 (16·1-22·8)	44·5 (41·6-47·3)	22·9 (19·8-26·2)	39·4 (36·5-42·4)	21·9 (18·4-26·0)	49·3 (46·5-52·1)
Mozambique	10·5 (8·6-12·8)	11·0 (9·8-12·1)	11·7 (9·4-14·2)	18·6 (16·9-20·5)	10·5 (8·7-12·7)	11·0 (9·8-12·2)	11·7 (9·5-14·2)	18·5 (16·9-20·3)	11·9 (10·2-14·0)	12·5 (11·3-13·9)	13·1 (11·1-15·5)	21·9 (20·2-23·6)	12·3 (10·4-14·4)	14·1 (12·7-15·6)	14·4 (12·3-16·9)	26·5 (24·6-28·3)
Rwanda	13·7 (11·3-16·3)	5·6 (4·9-6·3)	18·3 (15·3-21·8)	18·7 (16·8-20·7)	11·1 (9·4-13·0)	4·5 (4·0-5·1)	15·3 (12·9-18·0)	15·8 (14·2-17·5)	10·8 (9·2-12·6)	4·5 (4·0-5·1)	15·9 (13·6-18·4)	15·5 (14·4-16·8)	11·3 (9·5-13·3)	5·4 (4·9-6·0)	18·4 (15·5-21·6)	19·3 (17·8-21·0)
Seychelles	10·4 (8·6-12·5)	27·3 (25·1-29·6)	14·8 (12·2-17·8)	49·0 (46·3-51·7)	10·8 (8·9-13·1)	29·0 (27·4-30·5)	15·3 (12·6-18·2)	51·5 (49·8-53·3)	12·0 (10·4-13·7)	42·7 (40·7-44·8)	16·9 (15·0-18·9)	63·1 (61·0-65·1)	12·7 (10·5-15·2)	45·8 (43·0-48·7)	17·6 (14·6-21·0)	64·6 (62·0-67·0)
Somalia	7·5 (6·2-9·0)	24·4 (22·3-26·5)	9·6 (7·8-11·6)	27·3 (25·1-29·8)	7·4 (6·1-9·0)	24·1 (22·1-26·3)	9·5 (7·8-11·6)	27·2 (24·8-29·5)	7·3 (6·1-8·8)	24·4 (22·2-26·5)	9·6 (8·0-11·7)	27·8 (25·4-30·2)	7·6 (6·2-9·1)	24·9 (22·8-27·1)	10·0 (8·0-12·2)	28·7 (26·3-31·2)

Country/Region	Males, 1980		Females, 1980		Males, 1990		Females, 1990		Males, 2000		Females, 2000		Males, 2013		Females, 2013	
	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20
South Sudan	13·5 (11·2-15·9)	37·8 (35·0-40·6)	19·5 (16·4-23·0)	45·2 (42·3-48·2)	13·5 (11·3-15·9)	37·8 (35·1-40·6)	19·6 (16·5-23·0)	45·2 (42·2-48·1)	13·8 (11·6-16·0)	38·5 (35·8-41·3)	20·3 (17·2-23·9)	46·4 (43·5-49·5)	14·7 (12·3-17·4)	40·4 (37·7-43·4)	21·6 (18·0-25·6)	48·5 (45·4-51·4)
Tanzania	11·7 (9·7-14·0)	22·1 (20·0-24·1)	12·1 (9·9-14·5)	18·8 (17·0-20·6)	12·0 (10·0-14·1)	22·7 (20·7-24·8)	12·7 (10·7-15·0)	19·8 (18·3-21·3)	9·7 (8·2-11·4)	19·2 (17·5-21·0)	11·2 (9·2-13·3)	28·5 (26·6-30·5)	8·9 (7·4-10·5)	20·4 (18·7-22·1)	12·0 (10·0-14·2)	38·5 (36·5-40·5)
Uganda	7·2 (5·7-8·9)	6·3 (5·6-7·1)	12·2 (10·0-14·6)	13·6 (12·2-15·1)	7·2 (6·1-8·7)	6·5 (5·7-7·3)	12·7 (10·6-15·1)	13·8 (12·5-15·2)	6·3 (5·3-7·5)	6·6 (5·9-7·4)	13·9 (11·9-16·0)	18·3 (16·9-19·7)	5·7 (4·6-6·9)	6·9 (6·3-7·6)	14·6 (12·1-17·1)	24·6 (22·7-26·6)
Zambia	20·1 (17·0-23·3)	23·6 (21·4-25·8)	17·4 (14·4-20·8)	31·1 (29·0-33·3)	17·5 (15·0-20·4)	21·6 (19·5-23·7)	16·0 (13·4-19·0)	29·9 (28·1-31·7)	20·3 (17·6-23·1)	19·9 (18·1-22·0)	18·7 (15·9-21·6)	32·9 (31·0-34·7)	20·9 (18·1-24·1)	20·1 (18·4-22·2)	20·5 (17·4-23·8)	39·5 (37·1-41·7)
High-income Asia Pacific	12·1 (11·0-13·2)	19·3 (18·5-20·1)	9·8 (9·0-10·7)	20·8 (20·0-21·5)	13·7 (12·6-14·9)	22·0 (21·4-22·7)	10·7 (9·8-11·6)	20·7 (20·1-21·3)	16·6 (15·5-17·6)	27·2 (26·3-28·2)	13·9 (13·0-14·8)	20·5 (19·8-21·2)	17·2 (15·6-19·0)	31·7 (30·4-33·0)	12·6 (11·2-14·3)	20·6 (19·7-21·6)
Brunei	4·3 (3·5-5·2)	15·9 (14·4-17·5)	3·8 (3·0-4·7)	12·9 (11·6-14·4)	5·5 (4·5-6·6)	19·3 (17·4-21·2)	4·6 (3·7-5·7)	15·3 (13·9-17·0)	6·1 (4·9-7·3)	21·3 (19·3-23·4)	5·1 (4·1-6·2)	16·5 (14·8-18·2)	6·7 (5·5-8·0)	23·3 (21·2-25·2)	5·6 (4·5-6·8)	17·9 (16·2-19·8)
Japan	9·6 (8·8-10·5)	18·0 (17·2-18·8)	8·9 (8·1-9·7)	19·4 (18·6-20·2)	12·0 (11·0-12·9)	21·5 (20·8-22·3)	10·2 (9·3-11·0)	18·5 (18·0-19·1)	15·6 (14·6-16·7)	26·1 (24·9-27·2)	14·7 (13·7-15·9)	18·0 (17·2-18·7)	15·3 (13·2-17·6)	28·9 (27·1-30·7)	12·4 (10·2-14·6)	17·6 (16·5-18·9)
Singapore	13·6 (11·2-16·0)	31·2 (28·5-33·9)	10·0 (8·1-12·2)	26·4 (24·1-28·8)	14·8 (12·3-17·6)	33·3 (30·7-36·0)	10·9 (9·0-13·2)	28·0 (25·5-30·5)	17·3 (14·6-20·1)	37·8 (35·2-40·5)	11·9 (9·7-14·2)	29·6 (27·2-32·0)	20·9 (17·5-24·3)	44·3 (41·4-47·1)	13·3 (10·9-16·0)	32·5 (30·0-35·1)
South Korea	17·2 (14·2-20·2)	23·7 (21·6-25·9)	11·8 (9·7-14·2)	26·3 (24·0-28·6)	17·2 (14·4-20·3)	23·1 (21·5-24·6)	11·9 (9·8-14·5)	26·8 (25·2-28·3)	18·5 (16·3-21·1)	30·4 (29·0-31·7)	12·5 (10·7-14·5)	26·6 (25·4-27·8)	21·2 (17·9-24·5)	36·9 (35·1-38·8)	13·2 (10·9-15·7)	27·2 (25·6-28·9)
High-income North America	18·8 (16·2-21·4)	56·8 (54·5-59·2)	19·2 (16·6-22·2)	43·7 (41·3-46·3)	21·1 (19·9-22·4)	60·6 (59·2-61·9)	21·9 (20·7-23·3)	48·5 (47·1-50·0)	27·8 (26·6-29·1)	67·3 (66·2-68·4)	27·8 (26·5-29·2)	57·3 (56·0-58·5)	28·5 (26·2-30·9)	70·3 (68·7-71·7)	29·1 (26·7-31·5)	60·5 (58·6-62·2)
Canada	18·2 (15·1-21·4)	57·4 (54·7-59·9)	15·8 (13·1-18·9)	41·9 (39·1-44·5)	19·7 (16·6-23·0)	58·9 (57·0-60·9)	17·6 (14·8-20·6)	42·8 (40·9-44·8)	26·1 (23·4-29·2)	64·1 (61·8-66·3)	22·4 (19·8-25·3)	47·3 (45·0-49·6)	25·5 (22·4-28·7)	64·5 (62·0-67·0)	22·0 (19·1-25·5)	48·5 (45·9-51·1)
United States	18·9 (16·1-21·8)	56·7 (54·2-59·4)	19·6 (16·6-23·0)	43·9 (41·2-46·7)	21·2 (19·9-22·6)	60·7 (59·3-62·2)	22·4 (21·0-23·9)	49·1 (47·6-50·7)	28·0 (26·7-29·3)	67·7 (66·5-68·9)	28·4 (26·9-29·8)	58·4 (57·0-59·7)	28·8 (26·4-31·4)	70·9 (69·2-72·5)	29·7 (27·2-32·5)	61·9 (59·8-63·8)
North Africa and Middle East	16·4 (15·4-17·5)	50·0 (49·0-51·0)	21·5 (20·3-22·8)	55·2 (54·2-56·2)	19·3 (18·2-20·5)	54·2 (53·3-55·0)	24·8 (23·5-26·1)	58·8 (57·9-59·7)	20·2 (19·1-21·2)	55·4 (54·6-56·1)	26·1 (24·9-27·4)	62·4 (61·8-63·0)	22·2 (21·0-23·3)	58·5 (57·8-59·2)	27·9 (26·6-29·2)	65·5 (64·7-66·2)
Algeria	13·3 (11·1-15·7)	28·2 (25·8-30·6)	20·4 (16·9-24·2)	44·6 (41·5-47·6)	16·2 (13·7-19·3)	32·9 (30·3-35·5)	23·9 (20·3-28·0)	49·6 (46·5-52·6)	18·1 (15·0-21·3)	35·3 (33·3-37·5)	26·0 (22·1-30·6)	52·1 (49·8-54·4)	21·7 (18·5-25·2)	42·0 (39·0-44·8)	30·0 (25·5-34·5)	57·8 (55·1-60·9)

Country/Region	Males, 1980		Females, 1980		Males, 1990		Females, 1990		Males, 2000		Females, 2000		Males, 2013		Females, 2013	
	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20
Bahrain	13·8 (11·3-16·3)	35·2 (32·6-37·8)	19·3 (16·0-22·9)	61·9 (59·3-64·5)	17·4 (14·4-20·6)	43·4 (40·7-46·2)	23·4 (19·9-27·2)	66·8 (64·1-69·5)	20·2 (17·4-23·3)	60·8 (58·6-63·0)	25·8 (22·5-29·5)	71·0 (69·0-72·8)	22·4 (19·2-26·0)	67·7 (65·3-70·2)	26·7 (22·5-30·8)	75·2 (72·8-77·5)
Egypt	23·8 (20·4-27·7)	63·1 (60·5-65·9)	27·8 (23·6-32·1)	63·8 (60·9-66·7)	30·0 (26·2-34·5)	69·2 (66·6-71·7)	33·6 (29·5-38·0)	67·5 (65·2-69·7)	30·6 (26·7-34·8)	70·8 (68·5-73·2)	37·9 (33·8-42·6)	77·0 (75·5-78·4)	31·5 (27·5-35·7)	71·2 (68·9-73·7)	39·5 (34·7-44·3)	79·4 (77·6-81·3)
Iran	17·7 (14·7-20·9)	39·9 (37·3-42·9)	24·3 (20·5-28·3)	53·4 (50·5-56·3)	21·3 (17·9-24·9)	45·0 (42·0-47·8)	28·0 (23·8-32·5)	57·7 (54·8-60·6)	21·4 (18·5-24·7)	45·4 (43·3-47·5)	27·1 (23·2-31·0)	58·3 (56·2-60·6)	21·6 (18·6-25·4)	49·4 (47·2-51·6)	26·2 (22·3-30·4)	63·3 (61·0-65·4)
Iraq	10·1 (8·3-12·0)	50·8 (47·7-53·9)	14·1 (11·5-16·8)	57·4 (54·3-60·2)	11·1 (9·1-13·2)	53·7 (51·0-56·7)	15·2 (12·5-18·1)	59·7 (56·8-62·5)	15·2 (12·9-17·8)	59·3 (56·6-62·1)	20·7 (17·5-24·0)	65·4 (62·4-68·2)	19·5 (16·5-22·8)	62·4 (59·7-65·3)	25·0 (21·3-28·9)	68·1 (65·1-70·9)
Jordan	16·9 (14·4-19·8)	64·6 (61·8-67·1)	19·7 (16·4-23·4)	67·1 (64·4-69·5)	19·5 (16·3-23·0)	68·3 (65·4-70·9)	22·4 (19·1-26·5)	70·3 (68·0-72·8)	21·0 (17·8-24·3)	69·6 (67·3-72·0)	22·7 (19·4-26·2)	72·7 (71·0-74·3)	24·1 (20·6-28·0)	71·6 (69·3-74·1)	25·4 (21·8-29·3)	75·6 (74·0-77·3)
Kuwait	15·9 (13·2-18·8)	64·6 (62·1-67·1)	32·8 (28·2-37·8)	77·3 (75·0-79·5)	14·1 (11·7-16·9)	61·9 (59·2-64·4)	30·2 (26·0-35·2)	75·5 (73·2-77·9)	20·2 (17·0-23·6)	70·5 (68·3-72·8)	39·4 (34·5-44·6)	81·3 (79·3-83·2)	24·6 (21·1-28·5)	74·5 (72·4-76·6)	45·5 (40·1-50·9)	84·3 (82·6-86·1)
Lebanon	22·7 (19·2-26·5)	58·7 (55·8-61·6)	21·2 (17·8-25·2)	52·6 (49·8-55·6)	28·6 (24·6-32·9)	65·6 (62·9-68·4)	26·4 (22·3-30·9)	59·0 (56·1-61·8)	30·9 (27·1-35·1)	68·4 (65·9-70·8)	28·0 (24·3-32·3)	60·8 (58·2-63·4)	33·1 (28·9-37·9)	71·1 (68·9-73·4)	29·8 (25·6-34·0)	62·3 (59·9-64·8)
Libya	30·8 (26·6-35·5)	68·6 (65·9-71·2)	40·0 (35·0-45·1)	75·6 (73·2-78·0)	31·5 (27·2-36·1)	69·4 (66·8-71·9)	40·8 (36·1-45·7)	76·1 (73·5-78·4)	31·5 (27·2-35·9)	69·6 (67·3-72·2)	40·8 (35·7-45·9)	76·3 (73·8-78·8)	32·5 (28·5-36·9)	70·6 (68·1-73·1)	41·7 (36·3-46·8)	77·0 (74·6-79·3)
Morocco	14·7 (12·2-17·2)	43·9 (41·1-46·9)	19·8 (16·7-23·4)	41·0 (38·1-43·7)	17·6 (15·0-20·5)	48·0 (45·5-50·9)	22·8 (19·5-26·4)	43·4 (41·3-45·6)	20·0 (17·2-23·1)	50·4 (48·3-52·5)	21·3 (18·3-24·4)	47·7 (45·9-49·5)	22·5 (19·3-26·1)	54·7 (51·7-57·5)	25·9 (22·1-30·2)	52·8 (50·0-55·5)
Oman	12·8 (10·7-15·2)	35·4 (32·9-37·9)	26·6 (22·8-31·0)	51·8 (48·9-55·0)	14·7 (12·2-17·5)	38·6 (36·1-40·9)	29·6 (25·1-34·2)	55·1 (53·0-57·2)	18·0 (15·2-21·1)	42·0 (39·5-44·4)	35·9 (31·1-41·3)	65·7 (63·0-68·5)	24·5 (20·5-28·5)	53·7 (50·9-56·7)	42·3 (37·4-47·5)	73·4 (71·0-75·7)
Palestine	16·9 (14·2-19·9)	56·1 (53·2-58·8)	19·6 (16·3-23·1)	66·9 (64·2-69·5)	20·1 (17·1-23·4)	60·6 (57·9-63·2)	22·9 (19·4-27·0)	70·3 (67·7-72·8)	23·4 (19·6-27·5)	64·8 (62·3-67·5)	26·0 (21·9-30·2)	73·4 (71·0-75·9)	27·9 (23·8-31·9)	70·0 (67·4-72·4)	30·6 (26·4-35·5)	77·0 (74·8-79·2)
Qatar	30·8 (26·9-35·4)	70·9 (68·6-73·4)	12·4 (10·1-15·1)	74·2 (71·9-76·6)	35·5 (30·9-40·2)	74·9 (72·7-77·2)	14·7 (12·3-17·7)	76·9 (74·7-79·1)	32·6 (28·2-37·0)	75·3 (73·0-77·4)	17·3 (14·5-20·6)	77·9 (75·7-80·3)	33·5 (29·3-38·0)	75·7 (73·8-77·4)	22·1 (18·6-25·7)	78·5 (77·0-80·1)
Saudi Arabia	14·0 (11·7-16·5)	49·0 (46·5-51·8)	22·6 (19·1-26·6)	57·3 (54·6-60·1)	16·3 (13·9-19·0)	54·7 (52·7-56·7)	24·9 (21·3-29·0)	61·6 (59·7-63·6)	19·7 (16·7-22·6)	66·4 (64·0-68·7)	33·6 (28·8-38·1)	71·4 (69·2-73·6)	23·5 (20·2-26·8)	69·0 (67·1-70·7)	37·4 (32·8-42·5)	74·2 (72·3-76·0)
Sudan	7·7 (6·3-9·3)	27·0 (24·8-29·1)	10·5 (8·8-12·6)	31·5 (29·0-34·1)	8·9 (7·4-10·7)	30·1 (27·7-32·5)	11·9 (9·7-14·3)	34·4 (31·6-37·0)	9·9 (8·4-11·6)	32·9 (30·5-35·6)	13·1 (10·8-15·4)	37·1 (34·4-40·0)	11·2 (9·2-13·4)	35·8 (33·2-38·4)	14·4 (12·0-17·6)	39·9 (37·3-42·7)

Country/Region	Males, 1980		Females, 1980		Males, 1990		Females, 1990		Males, 2000		Females, 2000		Males, 2013		Females, 2013	
	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20
Syria	26·0 (22·2-30·0)	64·7 (61·9-67·3)	31·8 (27·7-36·3)	66·7 (63·9-69·5)	27·4 (23·6-31·4)	66·2 (63·6-68·8)	32·9 (28·2-37·5)	67·9 (65·3-70·6)	29·3 (25·6-33·4)	68·6 (66·2-71·1)	32·3 (27·6-36·8)	69·8 (67·4-72·3)	32·9 (28·6-37·5)	72·0 (69·5-74·2)	33·3 (28·8-38·3)	72·7 (69·9-75·1)
Tunisia	10·8 (9·1-12·9)	40·6 (37·9-43·5)	14·5 (12·1-17·4)	47·9 (44·9-50·9)	13·2 (11·1-15·8)	45·5 (42·7-48·4)	17·3 (14·5-20·3)	52·2 (49·2-55·1)	15·6 (13·2-18·3)	48·6 (45·8-51·6)	20·7 (17·6-24·1)	54·9 (51·9-57·9)	17·7 (15·0-20·8)	51·7 (48·8-54·4)	23·4 (19·6-27·5)	57·5 (54·4-60·3)
Turkey	14·1 (11·7-16·7)	60·2 (57·5-62·8)	16·5 (13·6-19·8)	59·6 (56·8-62·3)	16·8 (13·8-19·5)	64·4 (61·8-66·8)	19·4 (16·4-22·6)	64·1 (61·8-66·6)	16·9 (14·5-19·7)	62·1 (59·8-64·4)	18·3 (15·8-21·1)	65·8 (64·0-67·6)	20·4 (17·5-23·6)	63·8 (62·1-65·5)	19·8 (16·6-23·0)	65·8 (64·2-67·5)
United Arab Emirates	25·2 (21·8-28·9)	62·8 (60·2-65·5)	26·0 (22·1-30·1)	57·5 (54·7-60·5)	26·0 (22·6-29·7)	64·3 (61·7-66·9)	26·6 (23·0-30·7)	58·7 (55·6-61·7)	27·0 (24·4-29·5)	64·1 (61·6-66·6)	27·2 (25·0-29·4)	58·5 (55·7-61·3)	30·8 (26·5-35·1)	66·1 (63·6-68·8)	31·6 (27·1-36·2)	60·6 (57·4-63·4)
Yemen	7·4 (6·1-8·9)	25·9 (23·8-28·2)	24·5 (20·2-28·7)	54·4 (51·2-57·2)	7·7 (6·4-9·1)	26·8 (24·6-29·2)	25·5 (21·9-29·4)	55·3 (52·4-58·4)	7·8 (6·3-9·3)	27·2 (24·9-29·6)	25·5 (21·7-29·6)	55·8 (52·8-58·9)	8·4 (6·9-10·0)	29·0 (26·8-31·2)	26·9 (22·9-31·4)	57·9 (55·1-60·8)
Oceania	15·7 (14·0-17·6)	39·6 (37·8-41·5)	20·8 (18·8-23·0)	46·7 (44·6-48·6)	16·1 (14·3-18·1)	40·4 (38·4-42·5)	21·2 (19·0-23·7)	47·9 (45·8-49·9)	16·6 (14·7-18·7)	41·7 (39·8-43·7)	22·0 (19·8-24·5)	49·9 (47·8-52·0)	17·8 (15·6-20·0)	43·7 (41·7-45·7)	22·9 (20·5-25·6)	51·5 (49·2-53·8)
Federated States of Micronesia	26·3 (22·5-30·4)	59·4 (56·5-62·2)	53·8 (48·6-59·1)	77·9 (75·7-79·9)	27·1 (23·1-31·1)	60·4 (57·6-63·3)	54·8 (49·4-59·9)	78·9 (76·7-81·0)	26·8 (22·9-31·0)	61·3 (58·9-63·7)	56·3 (51·0-61·1)	80·7 (78·8-82·4)	29·7 (25·7-33·9)	65·7 (63·1-68·3)	61·4 (56·2-66·4)	84·2 (82·3-85·8)
Fiji	8·6 (7·2-10·4)	32·0 (29·6-34·8)	18·3 (15·2-21·8)	49·8 (46·8-52·6)	9·8 (8·2-11·8)	35·0 (32·3-37·7)	20·4 (16·9-24·6)	53·4 (50·5-56·4)	11·3 (9·4-13·3)	38·7 (36·0-41·3)	22·7 (19·0-26·3)	57·5 (54·7-60·4)	12·8 (10·6-15·3)	41·9 (39·0-44·8)	24·9 (20·6-29·3)	60·4 (57·4-63·4)
Kiribati	44·8 (39·9-50·1)	73·5 (71·2-75·6)	63·5 (58·8-68·3)	78·8 (76·6-80·9)	42·8 (38·0-47·9)	72·0 (69·6-74·4)	62·0 (56·9-67·0)	78·1 (75·9-80·2)	44·2 (39·1-49·2)	73·9 (71·5-76·0)	63·3 (58·2-68·1)	79·8 (78·0-81·7)	47·7 (42·3-52·9)	76·5 (74·1-78·6)	66·1 (60·9-70·9)	81·8 (79·9-83·6)
Marshall Islands	18·2 (14·9-21·5)	59·3 (56·6-62·1)	22·5 (19·0-26·7)	67·8 (65·2-70·3)	20·3 (17·1-24·1)	62·4 (59·8-65·0)	24·8 (21·0-28·7)	70·7 (68·3-73·1)	27·5 (23·6-31·6)	71·0 (69·1-72·9)	33·9 (29·1-38·8)	79·4 (77·7-81·0)	29·2 (25·0-33·3)	72·7 (70·5-75·1)	36·1 (31·1-40·9)	80·8 (78·8-82·6)
Papua New Guinea	14·3 (11·9-17·0)	35·6 (33·0-38·3)	16·3 (13·6-19·3)	40·6 (37·8-43·4)	14·6 (12·2-17·3)	36·1 (33·3-39·1)	16·7 (13·7-20·1)	41·8 (38·8-44·4)	14·9 (12·3-17·7)	37·3 (34·6-39·9)	17·1 (14·4-20·4)	43·7 (40·9-46·6)	16·0 (13·2-18·9)	39·6 (37·0-42·2)	18·3 (15·3-21·6)	45·8 (42·6-48·8)
Samoa	33·1 (28·6-37·6)	77·4 (75·2-79·6)	41·2 (36·2-46·4)	79·8 (77·8-82·0)	35·2 (30·7-39·8)	78·7 (76·6-81·0)	43·4 (38·0-48·7)	81·3 (79·2-83·3)	37·3 (32·8-42·0)	80·3 (78·3-82·3)	45·3 (40·2-50·5)	83·0 (81·0-85·0)	42·2 (37·4-47·2)	83·0 (81·1-85·0)	50·0 (45·1-55·0)	85·0 (83·0-86·9)
Solomon Islands	24·5 (20·7-28·5)	54·7 (51·8-57·6)	44·3 (39·0-49·9)	63·5 (60·7-66·3)	24·8 (21·0-28·8)	55·0 (52·2-57·8)	44·7 (39·5-50·5)	64·4 (61·3-67·1)	26·4 (22·7-30·5)	57·7 (55·2-60·2)	46·8 (41·9-52·4)	67·4 (64·9-69·7)	28·3 (24·5-32·5)	60·2 (57·5-62·8)	49·2 (43·9-54·3)	69·4 (66·9-71·9)
Tonga	28·5 (24·5-32·8)	77·3 (75·1-79·5)	43·1 (37·8-48·3)	83·6 (81·7-85·4)	31·5 (27·4-35·7)	79·5 (77·5-81·4)	46·4 (41·3-51·6)	85·4 (83·6-86·9)	33·5 (29·4-37·7)	81·8 (80·0-83·5)	49·8 (45·0-54·4)	87·2 (85·7-88·6)	34·5 (30·2-39·3)	83·5 (81·8-85·2)	52·6 (47·1-58·2)	88·3 (86·7-89·7)

Country/Region	Males, 1980		Females, 1980		Males, 1990		Females, 1990		Males, 2000		Females, 2000		Males, 2013		Females, 2013	
	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20
Vanuatu	14·7 (12·3-17·5)	47·0 (44·1-49·8)	17·2 (14·2-20·3)	40·5 (37·6-43·3)	14·7 (12·3-17·1)	47·0 (44·2-50·0)	18·7 (15·4-22·3)	43·7 (40·7-46·4)	14·3 (12·0-17·0)	47·1 (44·5-49·6)	21·5 (18·2-25·1)	53·0 (50·4-55·6)	14·5 (12·1-17·2)	46·4 (44·4-48·6)	23·2 (19·4-27·1)	54·8 (52·7-57·0)
South Asia	4·9 (4·2-5·7)	15·9 (14·7-17·0)	4·9 (4·2-5·6)	15·8 (14·5-17·2)	5·7 (4·9-6·5)	17·4 (16·1-18·9)	5·6 (4·8-6·5)	17·4 (16·0-18·9)	5·5 (4·8-6·4)	19·3 (18·0-20·5)	5·5 (4·8-6·3)	20·8 (19·6-22·0)	5·7 (5·0-6·5)	20·2 (18·8-21·5)	6·2 (5·4-7·1)	22·5 (21·1-23·9)
Afghanistan	15·3 (12·8-18·0)	43·5 (40·7-46·3)	16·6 (13·7-19·8)	38·2 (35·5-41·0)	16·8 (14·0-19·7)	46·1 (43·5-49·2)	18·0 (15·1-21·4)	40·4 (37·6-43·2)	17·8 (14·9-20·7)	48·0 (44·9-50·6)	18·8 (15·6-22·3)	41·8 (39·0-44·7)	18·5 (15·6-21·6)	49·2 (46·5-52·0)	19·5 (16·4-22·8)	42·6 (40·5-44·8)
Bangladesh	3·2 (2·6-3·9)	8·5 (7·5-9·5)	2·9 (2·3-3·5)	5·7 (5·1-6·5)	3·5 (2·9-4·3)	9·4 (8·3-10·5)	3·3 (2·6-4·1)	6·4 (5·7-7·2)	3·8 (3·1-4·7)	12·2 (11·0-13·7)	3·3 (2·6-4·1)	10·3 (9·3-11·3)	4·7 (3·8-5·8)	15·2 (13·8-16·5)	4·3 (3·6-5·3)	18·7 (17·3-20·3)
Bhutan	8·3 (6·8-10·1)	27·8 (25·7-30·3)	11·6 (9·5-13·9)	32·6 (30·1-35·1)	8·8 (7·3-10·7)	29·3 (26·9-31·6)	12·3 (9·9-14·9)	34·0 (31·4-36·7)	9·6 (7·8-11·5)	31·3 (28·7-33·9)	13·2 (10·8-15·7)	36·3 (33·6-39·2)	10·5 (8·8-12·3)	33·0 (30·5-35·6)	14·4 (11·9-17·0)	38·2 (35·3-41·2)
India	4·5 (3·7-5·5)	15·4 (13·9-16·9)	4·2 (3·3-5·1)	15·4 (13·8-17·1)	5·4 (4·5-6·5)	17·3 (15·7-19·2)	4·9 (4·0-6·0)	17·2 (15·4-18·9)	5·3 (4·4-6·4)	19·1 (17·5-20·5)	4·9 (4·0-5·9)	20·5 (19·0-21·9)	5·3 (4·3-6·4)	19·5 (17·8-21·2)	5·2 (4·2-6·4)	20·7 (18·9-22·5)
Nepal	3·9 (3·2-4·7)	10·2 (9·2-11·4)	3·0 (2·3-3·7)	4·8 (4·2-5·4)	4·8 (4·0-5·8)	12·5 (11·2-13·9)	3·6 (2·9-4·5)	5·8 (5·2-6·5)	4·6 (3·8-5·5)	12·7 (11·5-14·1)	3·3 (2·7-4·0)	8·2 (7·4-9·0)	4·6 (3·8-5·6)	13·1 (11·8-14·6)	4·0 (3·2-4·8)	13·0 (11·8-14·2)
Pakistan	8·1 (6·7-9·8)	24·0 (22·0-26·1)	11·1 (8·8-13·3)	29·1 (26·6-31·6)	8·2 (7·0-9·6)	24·5 (22·5-26·6)	11·3 (9·4-13·4)	29·9 (27·4-32·7)	6·2 (5·0-7·6)	25·5 (23·2-27·8)	9·7 (8·0-11·6)	33·0 (30·1-35·8)	6·2 (5·2-7·3)	27·9 (25·8-30·1)	10·4 (8·7-12·3)	38·4 (36·4-40·6)
Southeast Asia	3·9 (3·6-4·2)	12·3 (11·7-12·9)	5·1 (4·6-5·6)	17·6 (16·8-18·5)	4·1 (3·8-4·4)	12·9 (12·3-13·5)	5·5 (5·0-6·1)	18·4 (17·6-19·1)	5·0 (4·6-5·4)	16·2 (15·7-16·8)	6·9 (6·3-7·6)	23·3 (22·6-24·0)	6·8 (6·3-7·5)	22·1 (21·2-23·0)	9·0 (8·1-9·9)	28·3 (27·2-29·3)
Cambodia	3·3 (2·7-4·0)	8·0 (7·2-8·9)	3·1 (2·5-3·9)	10·8 (9·7-12·1)	3·5 (2·9-4·2)	8·5 (7·5-9·5)	3·3 (2·6-4·1)	11·3 (10·1-12·5)	3·7 (3·1-4·4)	9·8 (8·9-10·8)	3·6 (2·9-4·3)	13·4 (12·2-14·7)	3·8 (3·1-4·5)	11·9 (11·1-12·7)	3·8 (3·1-4·7)	18·3 (17·0-19·7)
Indonesia	2·8 (2·3-3·5)	10·1 (9·0-11·4)	5·4 (4·3-6·5)	17·8 (16·1-19·8)	3·3 (2·7-4·0)	10·8 (9·7-11·8)	6·2 (5·1-7·6)	18·6 (17·0-20·4)	3·9 (3·2-4·7)	14·3 (13·3-15·4)	7·6 (6·2-9·2)	23·7 (22·4-25·1)	6·0 (5·0-7·3)	21·4 (19·5-23·3)	10·0 (8·3-12·1)	30·6 (28·4-33·1)
Laos	3·8 (3·1-4·5)	17·0 (15·4-18·7)	5·4 (4·4-6·6)	20·8 (18·8-22·9)	3·9 (3·2-4·7)	17·4 (15·8-19·2)	5·5 (4·5-6·7)	21·1 (19·1-23·1)	3·7 (3·1-4·5)	19·1 (17·4-20·8)	5·6 (4·5-6·7)	23·3 (21·4-25·3)	4·1 (3·4-4·9)	22·1 (20·3-23·8)	5·8 (4·7-7·1)	27·0 (25·0-29·1)
Malaysia	16·7 (13·8-19·7)	34·9 (32·1-37·4)	14·3 (11·8-17·1)	39·6 (36·7-42·6)	17·3 (14·5-20·3)	35·9 (33·3-38·7)	14·9 (12·4-17·9)	40·7 (37·9-43·7)	19·8 (17·1-23·0)	39·9 (37·4-42·3)	16·8 (13·9-19·6)	44·7 (42·1-47·4)	22·5 (19·1-26·1)	43·8 (41·1-46·5)	19·1 (16·1-22·6)	48·6 (45·6-51·5)
Maldives	5·2 (4·3-6·3)	19·2 (17·4-21·1)	13·0 (10·7-15·4)	44·7 (42·0-47·8)	6·0 (4·9-7·2)	21·7 (19·7-23·8)	14·6 (11·9-17·4)	47·9 (45·1-50·8)	6·8 (5·7-8·3)	23·9 (21·8-26·0)	16·0 (13·2-19·1)	50·7 (47·8-53·5)	7·9 (6·5-9·5)	26·8 (24·6-28·9)	18·0 (15·0-21·3)	54·0 (51·7-56·3)

Country/Region	Males, 1980		Females, 1980		Males, 1990		Females, 1990		Males, 2000		Females, 2000		Males, 2013		Females, 2013	
	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20
Myanmar	3·9 (3·2-4·7)	11·4 (10·1-12·7)	6·4 (5·2-7·7)	18·9 (17·0-20·9)	3·7 (3·0-4·5)	10·8 (9·7-12·1)	6·1 (5·0-7·4)	18·2 (16·3-20·2)	3·9 (3·3-4·7)	11·7 (10·5-12·9)	6·5 (5·4-7·8)	19·5 (17·6-21·4)	4·6 (3·7-5·5)	13·8 (12·7-15·1)	7·4 (6·1-8·9)	22·1 (20·6-23·8)
Philippines	2·3 (1·9-2·8)	16·5 (14·8-18·3)	3·1 (2·5-3·9)	16·7 (15·0-18·5)	2·6 (2·0-3·1)	17·9 (16·2-19·7)	3·4 (2·7-4·2)	17·7 (16·2-19·3)	3·7 (3·0-4·5)	20·6 (18·8-22·5)	4·3 (3·5-5·2)	22·3 (20·6-24·2)	5·5 (4·5-6·6)	22·9 (21·0-24·8)	5·4 (4·4-6·6)	25·9 (23·8-28·2)
Sri Lanka	4·6 (3·8-5·5)	13·8 (12·5-15·3)	8·2 (6·7-9·9)	25·4 (23·1-27·9)	4·5 (3·7-5·4)	13·7 (12·3-15·1)	8·0 (6·5-9·7)	25·0 (22·6-27·3)	4·7 (3·8-5·7)	16·4 (15·0-17·8)	8·4 (6·9-10·0)	28·8 (27·0-30·5)	5·0 (4·1-6·0)	19·3 (17·5-21·1)	8·9 (7·4-10·8)	32·4 (29·9-35·1)
Thailand	7·5 (6·2-9·1)	17·4 (15·8-19·2)	5·4 (4·2-6·9)	22·3 (20·2-24·3)	7·8 (6·3-9·4)	17·6 (15·8-19·5)	5·9 (4·7-7·3)	23·7 (21·6-25·8)	10·8 (9·0-12·7)	23·0 (21·5-24·5)	11·9 (9·9-14·2)	34·3 (32·1-36·7)	13·3 (11·4-15·9)	32·1 (30·1-34·2)	15·4 (12·7-18·2)	39·7 (37·1-42·4)
Timor-Leste	6·3 (5·2-7·6)	3·0 (2·7-3·4)	5·2 (4·1-6·5)	6·5 (5·7-7·4)	6·3 (5·2-7·7)	3·0 (2·6-3·4)	5·2 (4·1-6·4)	6·5 (5·6-7·3)	6·4 (5·2-7·7)	3·0 (2·7-3·4)	5·3 (4·2-6·6)	6·4 (5·6-7·2)	7·0 (5·8-8·3)	3·2 (2·9-3·6)	5·7 (4·6-7·0)	6·6 (5·9-7·2)
Vietnam	1·6 (1·3-2·0)	4·3 (3·8-4·8)	2·3 (1·8-2·9)	6·2 (5·5-6·9)	1·8 (1·4-2·1)	4·7 (4·2-5·2)	2·5 (1·9-3·1)	6·7 (5·9-7·5)	2·5 (2·1-3·1)	7·4 (6·6-8·2)	3·3 (2·7-4·0)	8·7 (7·9-9·7)	5·2 (4·3-6·3)	13·6 (12·5-15·0)	6·1 (5·0-7·4)	12·3 (11·2-13·4)
Southern Latin America	27·6 (24·7-30·4)	59·3 (57·1-61·4)	25·2 (22·2-28·2)	52·2 (50·0-54·4)	26·8 (23·9-29·9)	58·2 (56·1-60·3)	24·3 (21·5-27·1)	51·3 (49·2-53·3)	29·7 (26·6-32·8)	60·6 (58·6-62·6)	26·3 (23·5-29·3)	53·4 (51·4-55·6)	31·3 (28·0-34·4)	60·0 (58·0-61·9)	26·4 (23·7-29·6)	53·0 (50·9-55·2)
Argentina	30·7 (26·5-35·2)	58·7 (55·9-61·5)	25·0 (20·9-29·2)	50·2 (47·2-53·1)	29·2 (25·2-33·5)	57·0 (54·1-59·8)	23·8 (20·2-27·7)	48·7 (45·6-51·5)	30·5 (26·2-35·0)	58·5 (55·7-61·5)	24·9 (21·0-29·1)	49·9 (46·9-53·1)	29·1 (24·9-33·1)	56·4 (53·5-59·2)	23·6 (19·8-27·8)	48·1 (45·0-51·1)
Chile	20·7 (17·5-24·3)	62·0 (59·1-64·8)	23·4 (19·5-27·4)	58·1 (55·3-61·1)	20·7 (17·3-24·3)	61·9 (59·3-64·6)	23·2 (19·7-27·5)	58·2 (55·2-61·1)	27·5 (23·4-31·9)	65·6 (63·6-67·7)	27·5 (23·4-31·8)	61·9 (59·4-64·3)	37·0 (32·6-41·6)	67·9 (65·5-70·3)	31·6 (27·3-36·3)	63·9 (61·3-66·4)
Uruguay	29·8 (25·3-34·6)	58·3 (55·3-61·1)	37·0 (32·2-42·2)	52·1 (49·1-55·2)	28·0 (24·0-32·4)	56·3 (53·5-59·2)	34·9 (30·2-40·0)	50·1 (47·0-53·2)	30·1 (25·7-34·4)	58·6 (55·7-61·4)	36·9 (32·2-41·6)	52·2 (49·3-55·1)	31·2 (26·7-35·8)	59·6 (56·7-62·4)	37·7 (32·8-43·1)	53·1 (49·9-56·1)
Southern Sub-Saharan Africa	12·7 (11·0-14·5)	31·8 (29·9-33·9)	18·6 (16·2-20·9)	54·4 (52·1-56·8)	13·0 (11·5-14·5)	31·2 (29·3-33·1)	19·3 (17·2-21·4)	54·1 (52·0-56·1)	12·7 (11·7-13·8)	31·7 (30·5-33·0)	19·8 (18·6-21·1)	56·5 (55·4-57·6)	14·9 (13·7-16·1)	34·2 (33·0-35·3)	23·1 (21·6-24·6)	63·7 (62·7-64·7)
Botswana	5·8 (4·7-7·1)	19·3 (17·4-21·2)	20·0 (16·6-23·7)	48·7 (45·7-51·6)	6·4 (5·3-7·6)	20·9 (18·9-23·0)	21·5 (18·0-25·6)	50·7 (47·8-53·7)	6·3 (5·2-7·7)	20·7 (18·8-22·7)	21·6 (18·1-25·5)	51·1 (48·2-54·0)	6·6 (5·5-7·9)	21·5 (19·7-23·5)	22·4 (18·8-26·4)	52·6 (50·0-55·1)
Lesotho	16·0 (13·3-18·7)	17·6 (15·9-19·5)	25·1 (21·4-29·2)	55·7 (52·9-58·6)	16·6 (13·7-19·6)	18·2 (16·4-20·1)	26·5 (22·4-31·3)	56·7 (53·8-59·7)	13·5 (11·5-15·7)	19·9 (18·1-21·7)	26·0 (22·8-29·6)	58·6 (56·3-60·9)	9·1 (7·5-11·0)	21·6 (19·9-23·3)	21·9 (18·8-25·8)	60·2 (57·9-62·5)
Namibia	6·0 (4·9-7·2)	21·4 (19·6-23·4)	8·6 (6·9-10·3)	30·6 (28·1-33·2)	5·6 (4·7-6·7)	20·3 (18·5-22·4)	8·1 (6·7-9·7)	29·5 (27·5-31·7)	5·3 (4·5-6·2)	20·0 (18·2-22·1)	8·1 (6·7-9·7)	37·8 (35·5-40·4)	6·0 (4·9-7·2)	21·2 (19·2-23·1)	8·8 (7·3-10·7)	42·4 (39·8-45·1)

Country/Region	Males, 1980		Females, 1980		Males, 1990		Females, 1990		Males, 2000		Females, 2000		Males, 2013		Females, 2013	
	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20
South Africa	13·7 (11·3-16·3)	36·1 (33·6-38·7)	19·5 (16·1-22·8)	58·7 (55·7-61·8)	14·5 (12·6-16·8)	36·2 (33·6-38·8)	20·8 (17·9-23·7)	59·2 (56·2-61·9)	14·7 (13·2-16·3)	36·5 (34·9-38·2)	20·8 (19·1-22·6)	61·3 (59·8-62·8)	18·8 (17·0-20·6)	38·8 (37·4-40·3)	26·3 (24·3-28·5)	69·3 (68·1-70·4)
Swaziland	14·6 (12·0-17·5)	34·6 (32·1-37·2)	29·1 (24·6-33·7)	68·3 (65·7-70·9)	14·5 (12·0-17·0)	34·2 (31·8-36·8)	29·1 (24·6-33·7)	68·2 (65·7-70·9)	13·5 (11·6-15·5)	33·8 (31·3-36·2)	28·2 (24·3-32·2)	68·9 (66·3-71·1)	11·6 (9·9-13·9)	33·5 (31·1-35·9)	26·2 (22·6-30·4)	68·6 (66·2-71·0)
Zimbabwe	10·6 (8·8-12·8)	17·4 (15·6-19·0)	15·1 (12·5-17·9)	37·0 (34·1-39·9)	9·6 (8·0-11·4)	15·9 (14·4-17·6)	14·3 (11·9-17·1)	34·5 (32·2-36·9)	8·7 (7·4-10·3)	15·5 (14·1-17·1)	16·9 (14·4-19·6)	36·8 (35·0-38·6)	7·5 (6·2-9·0)	16·5 (15·2-17·8)	16·1 (13·6-18·9)	41·9 (39·7-44·1)
Tropical Latin America	12·1 (10·1-14·3)	38·2 (35·6-41·0)	14·1 (11·8-16·6)	44·2 (41·2-47·1)	12·5 (10·7-14·5)	38·6 (36·4-40·9)	14·6 (12·5-17·0)	44·5 (42·2-46·9)	16·2 (14·9-17·6)	42·1 (40·7-43·6)	17·3 (15·8-18·9)	44·6 (43·2-46·1)	22·0 (18·9-25·6)	52·7 (50·0-55·3)	24·3 (20·7-28·0)	58·8 (56·0-61·6)
Brazil	12·1 (10·0-14·4)	37·7 (35·1-40·6)	14·0 (11·6-16·7)	43·6 (40·5-46·5)	12·4 (10·7-14·5)	38·1 (35·8-40·4)	14·6 (12·4-17·0)	43·9 (41·5-46·3)	16·1 (14·8-17·5)	41·6 (40·1-43·1)	17·1 (15·6-18·7)	43·9 (42·5-45·4)	22·1 (18·8-25·8)	52·5 (49·6-55·2)	24·3 (20·6-28·1)	58·4 (55·6-61·3)
Paraguay	13·7 (11·3-16·3)	58·9 (56·1-61·7)	16·3 (13·4-19·3)	69·5 (66·9-72·1)	14·2 (12·2-16·7)	59·4 (56·6-62·4)	16·9 (14·2-20·0)	70·0 (67·5-72·7)	19·1 (16·0-22·4)	62·1 (59·1-64·8)	21·6 (18·0-25·7)	72·1 (69·5-74·6)	21·3 (18·1-24·5)	62·9 (60·0-65·7)	24·3 (20·6-28·5)	73·0 (70·6-75·3)
Western Europe	19·6 (18·5-20·8)	52·9 (51·9-54·0)	17·6 (16·5-18·8)	39·2 (38·2-40·2)	20·6 (19·6-21·7)	55·6 (54·7-56·5)	18·4 (17·4-19·4)	41·5 (40·6-42·4)	22·6 (21·7-23·4)	60·4 (59·7-61·1)	20·5 (19·8-21·4)	46·2 (45·5-46·9)	24·2 (23·1-25·2)	61·3 (60·5-62·2)	22·0 (21·0-23·0)	47·6 (46·8-48·4)
Andorra	13·5 (11·3-15·9)	40·2 (37·6-42·8)	14·8 (12·1-17·7)	36·3 (33·8-39·1)	14·3 (11·9-16·8)	41·2 (38·7-43·7)	15·7 (13·0-18·8)	37·3 (34·8-39·9)	15·0 (12·5-17·6)	35·5 (33·2-38·0)	17·5 (14·5-20·6)	34·7 (32·3-37·3)	15·9 (13·3-19·0)	34·4 (32·0-37·1)	18·4 (14·9-21·8)	36·1 (33·5-38·7)
Austria	16·7 (14·1-19·8)	45·0 (42·5-47·9)	14·3 (11·7-17·0)	27·1 (25·0-29·3)	18·6 (15·5-21·9)	49·7 (46·8-52·3)	16·1 (13·3-19·3)	30·4 (28·1-32·8)	19·6 (16·8-22·9)	59·2 (56·5-62·0)	17·2 (14·4-20·7)	40·5 (37·7-43·2)	18·9 (15·9-22·1)	59·7 (57·0-62·3)	16·3 (13·5-19·4)	42·8 (40·1-45·4)
Belgium	19·1 (16·1-22·4)	50·6 (47·8-53·4)	16·7 (13·8-19·7)	40·9 (38·3-43·5)	20·0 (16·8-23·6)	53·1 (50·2-55·8)	17·8 (14·7-21·3)	43·0 (40·3-46·0)	19·7 (16·7-23·0)	55·9 (53·6-58·3)	18·5 (15·5-21·8)	45·1 (42·5-47·9)	20·5 (17·7-23·6)	58·0 (55·2-60·8)	18·8 (16·0-21·8)	47·1 (44·3-49·9)
Cyprus	21·7 (18·2-25·2)	61·8 (58·9-64·4)	18·6 (15·3-22·2)	47·5 (44·5-50·4)	24·0 (20·3-27·9)	64·8 (61·9-67·7)	20·6 (17·1-24·3)	50·3 (47·2-53·2)	24·6 (21·1-28·2)	65·9 (63·2-68·6)	21·7 (18·2-25·3)	51·1 (47·8-54·0)	25·7 (21·9-29·6)	67·8 (65·0-70·6)	22·5 (18·9-26·2)	52·1 (49·1-55·1)
Denmark	17·5 (14·6-20·9)	49·8 (47·0-52·6)	13·7 (10·9-16·3)	33·5 (31·1-36·0)	18·9 (15·9-22·1)	52·5 (49·6-55·3)	14·9 (12·4-17·7)	36·1 (33·6-38·6)	20·2 (17·3-23·7)	57·8 (54·9-60·6)	17·7 (14·8-21·1)	43·7 (40·7-46·5)	19·7 (16·8-23·1)	59·2 (56·5-61·9)	19·4 (15·8-23·2)	44·7 (41·7-47·7)
Finland	20·8 (17·6-24·3)	54·9 (52·1-57·7)	16·7 (13·7-20·0)	43·2 (40·5-45·8)	21·3 (17·9-24·8)	56·6 (53·8-59·3)	17·2 (14·3-20·5)	44·0 (41·5-46·5)	22·5 (19·5-26·0)	59·5 (57·0-62·0)	18·3 (15·4-21·5)	45·8 (43·5-47·9)	26·0 (22·3-29·8)	62·2 (59·5-64·9)	21·1 (17·7-25·0)	50·4 (47·5-53·2)
France	17·8 (15·1-21·0)	47·0 (44·4-49·8)	14·3 (11·8-17·4)	32·4 (30·0-34·9)	19·7 (16·7-23·2)	50·1 (47·4-53·0)	15·7 (13·0-18·8)	35·4 (32·8-38·0)	21·2 (18·6-23·9)	54·6 (52·0-57·2)	16·7 (14·2-19·4)	41·3 (38·6-44·1)	19·9 (16·8-23·3)	55·9 (53·2-58·7)	16·0 (13·3-18·7)	42·8 (40·0-45·7)

Country/Region	Males, 1980		Females, 1980		Males, 1990		Females, 1990		Males, 2000		Females, 2000		Males, 2013		Females, 2013	
	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20
Germany	16·6 (14·0-19·7)	57·5 (54·7-60·3)	15·2 (12·6-18·3)	39·6 (36·9-42·3)	16·9 (14·6-19·6)	60·3 (57·7-62·9)	15·8 (13·4-18·1)	42·7 (40·2-45·3)	18·8 (16·6-21·1)	63·8 (62·0-65·7)	18·0 (15·9-20·3)	48·0 (45·9-49·9)	20·5 (17·4-23·8)	64·3 (61·9-66·8)	19·4 (16·3-22·5)	49·0 (46·5-51·4)
Greece	20·4 (17·5-23·9)	56·2 (53·5-59·0)	19·0 (15·8-22·3)	43·0 (40·2-45·7)	23·4 (20·4-26·7)	61·9 (59·2-64·6)	20·9 (18·0-24·2)	45·8 (43·3-48·4)	28·6 (25·6-31·5)	71·7 (69·8-73·7)	24·2 (21·5-27·1)	48·2 (45·8-50·5)	33·7 (29·6-37·7)	71·4 (68·9-73·7)	29·1 (25·3-33·1)	51·1 (48·2-54·0)
Iceland	21·3 (18·0-24·6)	66·7 (64·2-69·3)	18·0 (15·0-21·1)	52·1 (49·2-55·1)	21·2 (18·1-24·7)	67·1 (64·3-69·6)	18·0 (15·0-21·1)	52·4 (49·5-55·5)	22·9 (19·7-26·5)	70·3 (67·7-72·7)	19·6 (16·3-23·3)	56·4 (53·5-59·4)	26·4 (22·7-30·2)	73·6 (71·3-75·8)	23·0 (19·7-26·6)	60·9 (58·0-63·8)
Ireland	24·6 (21·1-28·0)	56·2 (53·5-59·0)	24·6 (20·9-28·6)	43·6 (40·7-46·4)	25·0 (21·3-28·8)	58·9 (56·2-61·7)	25·4 (21·4-29·1)	45·1 (42·5-47·8)	25·4 (22·6-28·3)	64·8 (62·2-67·3)	27·0 (23·9-30·2)	50·0 (47·3-52·7)	26·6 (23·2-30·8)	66·4 (63·9-68·8)	26·5 (22·9-30·5)	50·9 (48·3-53·6)
Israel	16·9 (14·3-20·1)	50·6 (47·6-53·6)	13·3 (10·8-16·0)	45·3 (42·4-48·1)	19·3 (16·2-22·8)	54·6 (52·0-57·1)	15·2 (12·5-18·2)	49·2 (46·5-52·1)	24·8 (21·1-28·9)	58·3 (55·9-60·5)	19·5 (16·2-23·1)	52·9 (50·9-55·1)	31·0 (27·0-35·6)	60·4 (57·6-63·2)	26·6 (22·6-31·1)	52·7 (49·6-55·6)
Italy	27·8 (23·8-32·2)	54·5 (51·5-57·5)	22·0 (18·2-25·7)	38·0 (35·3-40·8)	29·0 (25·1-33·3)	56·3 (53·4-59·0)	23·1 (19·2-26·8)	39·2 (36·7-41·8)	29·0 (26·2-32·1)	58·3 (55·8-60·8)	23·6 (20·8-26·5)	41·6 (39·0-44·2)	29·9 (26·4-33·9)	58·3 (55·5-61·1)	24·3 (21·0-27·9)	41·4 (38·9-44·2)
Luxembourg	17·3 (14·6-20·4)	51·0 (48·3-53·7)	10·6 (8·6-13·0)	36·3 (33·5-39·0)	20·1 (16·8-23·6)	54·0 (51·0-56·8)	12·4 (10·2-14·8)	39·3 (36·7-42·0)	26·5 (22·8-30·4)	56·4 (53·6-59·1)	16·9 (13·9-19·9)	43·1 (40·3-46·1)	29·3 (25·3-33·4)	58·0 (55·1-60·8)	17·7 (14·5-21·1)	44·4 (41·6-47·2)
Malta	31·2 (26·8-35·6)	68·0 (65·2-70·6)	19·0 (15·6-22·5)	51·0 (48·3-53·9)	30·9 (26·8-35·6)	68·3 (65·7-70·9)	19·3 (16·1-23·0)	51·3 (48·5-54·0)	32·9 (28·5-37·3)	72·0 (69·6-74·6)	22·8 (19·3-26·3)	55·2 (52·3-58·1)	33·6 (29·3-38·0)	74·0 (71·6-76·4)	25·3 (21·6-29·3)	57·8 (55·0-60·6)
Netherlands	14·4 (11·9-17·2)	48·9 (45·9-51·8)	14·1 (11·6-17·0)	42·4 (39·5-45·3)	15·2 (12·8-18·1)	50·5 (47·8-53·2)	14·9 (12·2-17·7)	43·1 (40·3-46·0)	16·5 (14·1-19·2)	49·9 (48·7-51·1)	15·3 (12·8-18·1)	40·8 (39·4-42·2)	18·3 (15·7-21·3)	53·2 (51·1-55·4)	16·1 (13·4-18·9)	44·9 (42·3-47·5)
Norway	17·5 (14·7-20·6)	48·9 (46·0-51·6)	13·3 (10·7-15·9)	39·0 (36·3-41·9)	18·1 (15·1-21·2)	50·3 (47·5-53·0)	13·8 (11·4-16·3)	40·6 (37·6-43·4)	19·2 (16·5-22·1)	54·2 (51·3-57·0)	14·6 (12·3-17·0)	45·0 (42·1-48·1)	20·1 (17·2-23·0)	58·4 (55·7-61·0)	16·0 (13·4-18·7)	47·3 (44·4-50·2)
Portugal	19·9 (16·8-23·5)	52·4 (49·5-55·2)	18·0 (15·0-21·5)	44·1 (41·1-46·9)	24·7 (21·0-28·7)	58·8 (56·1-61·8)	21·8 (18·3-26·0)	49·7 (46·6-52·7)	27·3 (23·9-31·0)	61·8 (59·3-64·4)	25·1 (21·7-28·8)	52·4 (49·7-55·3)	28·7 (24·9-32·8)	63·8 (61·2-66·4)	27·1 (23·4-31·4)	54·6 (51·7-57·6)
Spain	20·2 (17·1-23·5)	51·5 (48·7-54·2)	17·6 (14·6-20·8)	40·8 (38·3-43·4)	23·9 (20·5-27·4)	55·5 (53·2-57·6)	20·2 (16·9-23·6)	44·2 (41·9-46·4)	28·3 (25·6-31·4)	63·4 (61·7-64·9)	23·3 (20·3-26·3)	48·1 (46·2-50·0)	27·6 (23·9-31·2)	62·3 (60·0-64·9)	23·8 (20·2-27·4)	46·5 (43·7-48·9)
Sweden	16·4 (14·7-18·2)	53·2 (50·4-56·0)	17·4 (15·6-19·5)	40·6 (37·8-43·4)	14·3 (12·4-16·6)	53·5 (50·8-56·2)	15·0 (12·7-17·4)	41·1 (38·4-43·9)	16·6 (15·1-18·1)	56·6 (53·7-59·2)	16·9 (15·4-18·7)	43·8 (41·0-46·7)	20·4 (17·5-23·4)	58·2 (55·6-61·0)	19·3 (16·5-22·5)	45·8 (43·2-48·5)
Switzerland	19·0 (15·9-22·5)	52·4 (49·6-55·2)	15·5 (12·7-18·7)	35·0 (32·4-37·7)	18·3 (15·4-21·7)	51·7 (48·8-54·6)	15·0 (12·3-17·8)	34·4 (31·8-37·1)	18·1 (15·4-21·3)	53·6 (50·9-56·3)	14·9 (12·5-17·7)	36·9 (34·2-39·4)	20·7 (17·4-24·4)	56·6 (53·7-59·4)	16·2 (13·4-19·4)	39·9 (37·0-42·9)

Country/Region	Males, 1980		Females, 1980		Males, 1990		Females, 1990		Males, 2000		Females, 2000		Males, 2013		Females, 2013	
	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20
United Kingdom	17·6 (14·8-20·7)	53·8 (51·4-56·4)	21·0 (17·8-24·7)	43·8 (41·0-46·5)	17·5 (15·4-19·6)	55·9 (54·4-57·3)	21·0 (18·6-23·5)	45·3 (43·7-46·7)	21·9 (20·9-23·0)	64·4 (63·6-65·2)	26·2 (25·0-27·5)	53·7 (52·8-54·6)	26·1 (23·8-28·5)	66·6 (65·3-68·0)	29·2 (26·8-31·9)	57·2 (55·7-58·6)
Western Sub-Saharan Africa	6·2 (5·6-6·9)	19·6 (18·6-20·6)	7·1 (6·5-7·9)	20·9 (19·9-21·9)	7·2 (6·6-8·0)	22·5 (21·3-23·6)	8·2 (7·4-9·1)	23·1 (22·0-24·2)	10·2 (9·3-11·2)	29·8 (28·5-31·2)	11·3 (10·3-12·4)	29·7 (28·6-30·7)	11·0 (9·9-12·1)	32·6 (31·1-34·0)	12·3 (11·3-13·5)	34·5 (33·3-35·6)
Benin	4·0 (3·2-5·0)	6·4 (5·6-7·2)	4·6 (3·7-5·6)	18·1 (16·5-20·0)	4·6 (3·7-5·7)	7·4 (6·6-8·2)	5·4 (4·3-6·6)	20·3 (18·4-22·2)	5·1 (4·2-5·9)	8·2 (7·4-9·2)	9·1 (7·5-10·9)	26·2 (24·4-28·2)	6·9 (5·6-8·4)	9·4 (8·4-10·4)	13·1 (10·7-15·7)	29·9 (27·6-32·4)
Burkina Faso	5·3 (4·4-6·4)	19·4 (17·5-21·3)	4·3 (3·4-5·4)	6·1 (5·5-6·9)	7·2 (6·1-8·6)	25·0 (22·9-27·3)	5·7 (4·6-6·9)	7·8 (7·1-8·7)	9·0 (7·6-10·7)	29·9 (27·5-32·6)	7·2 (5·9-8·6)	10·1 (9·2-11·0)	9·1 (7·6-10·9)	31·3 (28·8-33·8)	8·7 (7·3-10·6)	15·4 (14·1-16·9)
Cameroon	13·5 (11·2-16·0)	32·8 (30·2-35·4)	13·3 (10·9-15·8)	41·7 (39·2-44·5)	12·9 (10·9-15·1)	31·7 (29·4-34·1)	12·7 (10·5-15·1)	41·0 (38·5-43·7)	15·9 (13·6-18·1)	35·8 (34·0-37·6)	16·4 (13·6-19·2)	47·2 (45·5-49·1)	16·4 (14·1-19·0)	40·4 (37·8-43·1)	19·8 (16·8-23·1)	50·7 (48·4-53·0)
Cape Verde	7·5 (6·2-9·2)	22·4 (20·3-24·5)	12·8 (10·3-15·6)	33·6 (31·1-36·3)	9·3 (7·7-11·0)	26·7 (24·3-29·0)	15·3 (12·6-18·3)	38·1 (35·4-41·0)	9·8 (8·1-11·7)	28·4 (26·3-30·9)	16·0 (13·2-19·2)	40·3 (37·4-43·1)	11·5 (9·6-13·7)	31·8 (29·4-34·3)	18·3 (15·0-21·7)	44·0 (41·3-47·0)
Chad	5·9 (4·8-7·1)	21·1 (19·3-23·1)	5·6 (4·4-6·9)	7·1 (6·3-8·0)	6·1 (5·1-7·3)	21·8 (19·9-23·9)	5·8 (4·6-7·1)	7·4 (6·6-8·2)	7·4 (6·3-8·7)	26·2 (24·1-28·5)	7·2 (6·0-8·7)	10·3 (9·4-11·4)	8·3 (6·9-9·9)	28·2 (25·8-30·5)	8·3 (6·7-10·1)	12·4 (11·1-13·8)
Cote d'Ivoire	6·0 (4·9-7·2)	14·5 (13·1-15·9)	8·8 (7·3-10·5)	18·9 (17·1-20·9)	5·2 (4·5-6·0)	13·3 (12·2-14·4)	7·8 (6·9-8·9)	17·2 (15·9-18·5)	7·1 (6·0-8·4)	22·2 (20·2-24·1)	10·6 (8·9-12·4)	29·8 (27·7-31·7)	8·8 (7·3-10·4)	26·6 (24·3-29·0)	13·3 (11·1-15·8)	35·4 (33·1-37·8)
Ghana	3·1 (2·5-3·7)	12·8 (11·5-14·3)	4·9 (3·9-5·9)	14·3 (12·8-15·8)	3·6 (2·9-4·3)	14·9 (13·4-16·6)	5·7 (4·7-6·9)	16·0 (14·5-17·7)	5·0 (4·2-5·9)	21·4 (19·4-23·5)	8·9 (7·4-10·7)	26·7 (25·0-28·5)	5·3 (4·4-6·4)	27·9 (25·7-30·1)	11·5 (9·6-13·8)	38·4 (36·0-41·1)
Guinea	8·3 (6·9-10·0)	13·5 (12·1-14·9)	10·2 (8·5-12·5)	21·9 (20·0-23·9)	8·2 (6·7-9·9)	13·4 (12·0-14·8)	9·7 (7·9-11·8)	20·9 (19·1-22·8)	7·9 (6·7-9·2)	14·0 (12·6-15·5)	10·1 (8·6-11·8)	23·4 (21·8-25·2)	8·2 (6·8-9·9)	15·4 (13·8-16·9)	11·7 (9·6-14·3)	29·1 (26·9-31·6)
Guinea-Bissau	6·9 (5·7-8·4)	23·9 (21·9-26·1)	9·8 (8·0-12·1)	28·4 (25·8-30·8)	8·2 (6·8-10·0)	27·4 (25·0-29·8)	11·3 (9·2-13·7)	31·7 (29·2-34·2)	10·9 (9·1-13·1)	34·6 (32·0-37·2)	14·6 (12·0-17·2)	39·0 (36·1-42·1)	15·8 (13·3-18·5)	44·0 (41·1-46·9)	20·4 (17·2-23·8)	47·8 (44·8-50·8)
Liberia	12·8 (10·7-15·1)	39·3 (36·5-42·1)	12·9 (10·6-15·5)	39·1 (36·7-41·6)	12·0 (10·0-14·2)	37·8 (35·0-40·4)	12·2 (10·0-14·7)	37·9 (35·6-40·4)	12·1 (10·2-14·3)	38·1 (35·4-40·8)	12·1 (9·9-14·6)	42·4 (40·0-44·7)	13·4 (11·1-16·0)	40·6 (37·9-43·4)	13·7 (11·3-16·5)	49·4 (46·8-52·1)
Mali	3·3 (2·7-4·1)	16·3 (14·8-17·9)	3·4 (2·7-4·1)	22·9 (21·3-24·6)	5·1 (4·2-6·0)	20·7 (18·8-22·7)	4·8 (3·9-5·8)	26·7 (24·9-28·3)	8·0 (6·8-9·3)	23·8 (21·8-25·9)	8·4 (6·9-10·0)	35·4 (33·7-37·3)	10·4 (8·6-12·3)	29·1 (26·8-31·6)	12·8 (10·7-15·4)	46·8 (44·4-49·2)
Mauritania	4·5 (3·6-5·4)	16·6 (15·0-18·4)	11·1 (9·1-13·4)	43·0 (40·1-45·9)	5·6 (4·6-6·8)	20·1 (18·4-22·1)	13·3 (11·0-15·8)	48·3 (45·2-51·4)	5·9 (4·9-7·0)	21·5 (19·4-23·4)	14·4 (12·3-16·8)	53·3 (51·3-55·1)	5·7 (4·7-6·8)	21·4 (19·5-23·4)	14·2 (11·5-17·1)	55·7 (52·9-58·8)

Country/Region	Males, 1980		Females, 1980		Males, 1990		Females, 1990		Males, 2000		Females, 2000		Males, 2013		Females, 2013	
	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20
Niger	6·5 (5·3-8·0)	17·4 (15·6-19·2)	4·1 (3·2-5·0)	15·7 (14·2-17·4)	6·7 (5·5-8·1)	17·8 (15·9-19·5)	4·1 (3·3-5·0)	15·9 (14·6-17·4)	9·0 (7·4-10·8)	20·2 (18·4-22·1)	5·3 (4·4-6·4)	20·7 (19·1-22·3)	11·8 (9·8-14·2)	23·7 (21·5-25·8)	7·9 (6·4-9·5)	27·8 (25·8-29·7)
Nigeria	6·0 (4·9-7·2)	21·3 (19·4-23·2)	6·7 (5·5-8·5)	20·1 (18·2-22·1)	7·7 (6·5-9·2)	26·3 (24·0-28·5)	8·6 (7·0-10·3)	24·0 (21·8-26·3)	12·3 (10·5-14·5)	37·3 (34·7-40·0)	12·8 (10·7-15·1)	30·5 (28·4-32·5)	12·8 (10·7-15·1)	39·5 (36·7-42·3)	12·3 (10·1-14·7)	33·6 (31·3-35·9)
Sao Tome and Principe	7·4 (6·1-8·9)	19·6 (17·8-21·6)	12·2 (10·2-14·7)	32·8 (30·1-35·4)	8·1 (6·7-9·8)	21·3 (19·2-23·3)	13·2 (10·8-15·6)	34·8 (32·1-37·4)	9·7 (8·2-11·6)	25·4 (23·4-27·6)	15·4 (12·6-18·2)	39·9 (37·4-42·8)	12·3 (10·3-14·4)	30·6 (28·4-33·0)	18·9 (16·0-22·0)	45·7 (43·1-48·3)
Senegal	5·1 (4·1-6·2)	13·8 (12·3-15·2)	7·3 (6·0-9·0)	23·3 (21·2-25·5)	5·0 (4·2-6·0)	14·0 (12·7-15·5)	7·2 (6·0-8·6)	23·9 (22·1-25·7)	4·2 (3·5-4·9)	14·8 (13·4-16·4)	7·7 (6·5-9·3)	32·5 (30·3-34·8)	3·8 (3·1-4·6)	16·8 (15·5-18·2)	8·3 (6·8-10·0)	37·4 (35·3-39·6)
Sierra Leone	11·2 (9·3-13·3)	13·7 (12·3-15·1)	14·9 (12·4-17·6)	27·8 (25·4-30·2)	11·4 (9·5-13·4)	14·0 (12·5-15·5)	15·4 (12·6-18·1)	28·6 (26·1-31·1)	11·8 (10·1-13·8)	15·2 (13·8-16·8)	18·3 (15·4-21·5)	30·9 (28·5-33·5)	13·8 (11·8-15·8)	16·4 (15·1-17·8)	23·3 (19·7-26·7)	32·9 (30·7-35·2)
The Gambia	10·2 (8·6-12·0)	23·2 (21·0-25·3)	16·9 (13·8-20·1)	36·6 (33·8-39·3)	12·2 (10·2-14·3)	26·1 (23·8-28·5)	19·0 (15·8-22·6)	38·9 (36·2-41·7)	11·4 (9·9-13·2)	28·2 (25·9-30·6)	17·3 (14·8-20·2)	41·6 (38·8-44·4)	10·1 (8·3-12·1)	34·3 (31·7-36·9)	14·8 (12·2-17·9)	48·7 (45·9-51·6)
Togo	4·0 (3·3-4·9)	14·1 (12·7-15·6)	5·4 (4·4-6·6)	15·2 (13·7-16·8)	4·4 (3·7-5·2)	14·7 (13·2-16·2)	5·7 (4·6-6·8)	15·8 (14·3-17·5)	6·4 (5·4-7·4)	17·3 (15·6-19·1)	7·5 (6·1-9·0)	22·3 (20·5-24·1)	5·7 (4·7-6·7)	18·8 (17·3-20·3)	8·8 (7·3-10·6)	32·2 (30·1-34·5)

Webtable 10: Prevalence of obesity

Country/Region	Males, 1980		Females, 1980		Males, 1990		Females, 1990		Males, 2000		Females, 2000		Males, 2013		Females, 2013	
	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20
Andean Latin America	3·9 (3·4-4·5)	7·8 (7·2-8·4)	4·0 (3·5-4·6)	15·7 (14·7-16·9)	4·0 (3·5-4·6)	7·9 (7·3-8·5)	4·1 (3·6-4·7)	16·3 (15·3-17·3)	4·1 (3·6-4·6)	7·8 (7·2-8·4)	4·2 (3·7-4·8)	19·7 (18·7-20·8)	3·7 (3·3-4·2)	8·5 (7·8-9·1)	4·4 (3·8-4·9)	23·4 (22·2-24·6)
Bolivia	4·8 (3·9-5·9)	10·4 (9·3-11·7)	4·7 (3·7-5·9)	14·5 (12·8-16·1)	4·8 (4·0-5·8)	10·4 (9·2-11·7)	4·7 (3·8-5·8)	14·5 (13·0-16·2)	4·9 (4·0-5·8)	10·4 (9·2-11·6)	4·6 (3·8-5·5)	19·5 (17·9-21·4)	4·6 (3·7-5·5)	10·2 (9·1-11·4)	4·7 (3·7-5·7)	24·5 (22·4-26·8)
Ecuador	2·6 (2·1-3·2)	5·8 (5·1-6·6)	3·8 (3·0-4·8)	16·2 (14·4-18·2)	2·8 (2·2-3·5)	6·3 (5·5-7·1)	4·2 (3·2-5·2)	17·6 (15·7-19·8)	2·9 (2·3-3·6)	6·5 (5·7-7·3)	4·4 (3·5-5·4)	18·7 (17·0-20·4)	3·1 (2·4-3·7)	6·9 (6·1-7·7)	4·6 (3·7-5·8)	19·8 (17·6-22·0)
Peru	4·2 (3·4-5·2)	7·9 (7·0-8·8)	3·8 (3·1-4·8)	15·9 (14·2-17·7)	4·3 (3·5-5·2)	7·9 (7·0-9·0)	3·9 (3·2-4·9)	16·2 (14·7-17·7)	4·3 (3·6-5·2)	7·7 (6·8-8·6)	3·9 (3·3-4·8)	20·3 (18·8-21·8)	3·8 (3·1-4·5)	8·8 (7·7-9·8)	4·1 (3·3-4·9)	24·9 (23·1-26·6)

Country/Region	Males, 1980		Females, 1980		Males, 1990		Females, 1990		Males, 2000		Females, 2000		Males, 2013		Females, 2013	
	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20
Australasia	3·7 (3·2-4·4)	14·7 (13·5-16·2)	3·7 (3·1-4·4)	16·5 (15·1-18·0)	4·6 (3·9-5·4)	14·9 (14·0-15·9)	4·4 (3·7-5·4)	16·4 (15·3-17·5)	6·4 (5·7-7·1)	21·2 (19·9-22·4)	6·0 (5·3-6·7)	23·3 (22·0-24·8)	7·5 (6·5-8·6)	27·6 (25·5-29·6)	7·6 (6·4-9·0)	29·8 (27·7-32·0)
Australia	3·6 (2·9-4·3)	15·1 (13·6-16·8)	3·5 (2·8-4·4)	16·6 (14·9-18·3)	4·4 (3·7-5·3)	15·1 (14·0-16·2)	4·3 (3·4-5·4)	16·1 (14·9-17·3)	6·1 (5·2-7·0)	21·4 (19·8-22·9)	5·6 (4·8-6·5)	23·5 (21·8-25·2)	7·0 (5·8-8·2)	27·5 (25·2-29·8)	7·3 (5·9-8·9)	29·8 (27·3-32·4)
New Zealand	4·6 (3·7-5·7)	12·9 (11·5-14·3)	4·4 (3·4-5·4)	16·3 (14·6-18·3)	5·5 (4·5-6·6)	14·1 (12·7-15·6)	5·2 (4·1-6·4)	17·9 (16·3-19·7)	7·8 (6·8-9·0)	20·2 (18·8-21·6)	7·5 (6·4-8·6)	22·6 (21·4-24·0)	9·7 (8·4-11·4)	28·1 (26·3-29·9)	9·0 (7·6-10·6)	30·0 (28·1-31·9)
Caribbean	4·2 (3·7-4·7)	10·9 (10·3-11·7)	5·3 (4·7-6·0)	19·8 (18·6-21·0)	4·0 (3·6-4·4)	10·8 (10·0-11·5)	5·0 (4·5-5·6)	19·7 (18·6-20·8)	4·2 (3·9-4·7)	11·1 (10·5-11·8)	5·7 (5·2-6·3)	22·0 (20·9-23·2)	4·5 (4·1-4·9)	12·3 (11·5-13·1)	6·6 (5·9-7·3)	24·5 (23·4-25·9)
Antigua and Barbuda	3·4 (2·7-4·2)	7·8 (7·0-8·8)	4·9 (3·8-6·1)	16·0 (14·4-17·9)	4·2 (3·3-5·2)	9·5 (8·5-10·7)	6·1 (4·8-7·6)	18·9 (16·9-21·2)	3·9 (3·1-4·8)	8·9 (7·9-10·0)	5·9 (4·6-7·2)	18·3 (16·4-20·4)	4·5 (3·6-5·6)	10·1 (8·9-11·4)	6·7 (5·3-8·2)	20·5 (18·4-22·7)
Barbados	7·6 (6·2-9·2)	16·3 (14·7-18·1)	12·5 (10·1-15·3)	25·3 (22·8-27·9)	7·9 (6·4-9·5)	16·9 (15·5-18·7)	13·1 (10·6-15·9)	26·7 (24·5-29·2)	7·6 (6·1-9·1)	15·6 (14·2-17·0)	12·9 (10·6-15·8)	30·0 (28·1-32·1)	8·7 (7·0-10·5)	18·1 (16·4-20·0)	14·9 (12·0-17·9)	33·0 (30·6-35·8)
Belize	9·1 (7·3-11·1)	20·8 (18·8-23·0)	12·2 (9·8-15·0)	38·5 (35·3-41·6)	9·1 (7·4-11·1)	20·7 (18·6-22·9)	12·3 (9·9-15·1)	38·7 (35·5-41·9)	8·9 (7·2-10·9)	22·1 (20·0-24·1)	12·5 (9·9-15·2)	41·5 (38·7-44·3)	7·9 (6·4-9·5)	23·0 (20·9-25·3)	11·6 (9·3-14·2)	42·7 (39·5-45·8)
Cuba	6·0 (4·8-7·3)	13·4 (12·0-14·9)	8·4 (6·8-10·3)	25·2 (22·7-28·0)	5·9 (4·7-7·2)	13·1 (11·6-14·6)	8·4 (6·7-10·4)	24·8 (22·4-27·3)	6·4 (5·2-7·8)	13·9 (12·4-15·5)	9·2 (7·4-11·2)	26·5 (23·9-29·2)	7·4 (6·1-9·0)	16·0 (14·4-17·8)	10·7 (8·5-13·0)	29·7 (26·9-32·6)
Dominica	2·6 (2·1-3·2)	6·5 (5·7-7·3)	7·2 (5·7-8·8)	27·2 (24·4-30·0)	3·7 (3·0-4·5)	8·8 (7·8-10·0)	9·8 (7·8-12·0)	33·7 (30·9-36·8)	4·1 (3·3-5·0)	9·5 (8·5-10·6)	10·9 (8·8-13·3)	36·4 (33·7-39·2)	4·6 (3·7-5·7)	10·7 (9·7-11·9)	12·2 (9·9-14·9)	39·4 (36·8-42·1)
Dominican Republic	2·5 (2·0-3·0)	8·0 (7·0-9·1)	2·7 (2·1-3·3)	15·2 (13·5-17·0)	2·7 (2·2-3·3)	8·2 (7·3-9·4)	3·1 (2·5-3·8)	15·8 (14·3-17·5)	3·6 (3·0-4·4)	8·9 (7·9-10·1)	5·3 (4·3-6·4)	18·8 (17·2-20·7)	4·3 (3·5-5·3)	10·3 (9·1-11·7)	7·3 (5·9-9·1)	20·9 (18·8-23·4)
Grenada	3·9 (3·1-4·8)	9·0 (7·9-10·2)	5·7 (4·5-7·0)	18·1 (16·1-20·1)	4·3 (3·5-5·3)	9·8 (8·7-11·0)	6·3 (5·0-7·8)	19·6 (17·4-22·0)	4·2 (3·4-5·2)	9·5 (8·5-10·7)	6·3 (4·9-8·0)	19·5 (17·5-21·6)	4·7 (3·8-5·9)	10·5 (9·4-11·8)	7·0 (5·5-8·7)	21·3 (19·0-23·6)
Guyana	3·5 (2·8-4·4)	9·7 (8·5-10·8)	5·4 (4·3-6·7)	26·0 (23·6-28·6)	3·7 (3·0-4·5)	9·9 (8·8-11·0)	5·5 (4·3-6·8)	26·5 (23·8-29·3)	4·3 (3·5-5·3)	11·2 (10·1-12·6)	7·2 (5·7-8·8)	29·8 (27·2-32·7)	4·5 (3·6-5·4)	11·5 (10·4-12·7)	8·6 (7·0-10·5)	30·4 (28·0-32·7)
Haiti	3·0 (2·4-3·7)	7·1 (6·2-7·9)	2·4 (1·8-3·1)	6·7 (5·9-7·6)	2·8 (2·3-3·4)	6·6 (5·8-7·4)	2·3 (1·8-2·9)	6·4 (5·6-7·2)	2·5 (2·1-3·1)	5·8 (5·1-6·6)	1·9 (1·5-2·4)	9·6 (8·6-10·6)	2·1 (1·7-2·6)	5·0 (4·4-5·6)	2·0 (1·6-2·5)	12·2 (11·2-13·4)
Jamaica	3·6 (2·8-4·5)	7·9 (6·9-8·9)	7·7 (6·1-9·5)	23·2 (20·6-25·8)	3·7 (3·0-4·5)	8·0 (7·0-9·0)	7·9 (6·2-9·6)	23·6 (21·0-26·1)	4·5 (3·7-5·6)	8·8 (7·8-9·9)	9·5 (7·6-11·6)	26·5 (24·2-29·0)	5·3 (4·2-6·6)	10·6 (9·4-11·8)	10·9 (8·6-13·3)	32·0 (29·2-34·8)

Country/Region	Males, 1980		Females, 1980		Males, 1990		Females, 1990		Males, 2000		Females, 2000		Males, 2013		Females, 2013	
	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20
Saint Lucia	4·4 (3·6-5·4)	10·9 (9·7-12·2)	4·3 (3·4-5·3)	14·5 (12·8-16·3)	5·2 (4·2-6·4)	12·6 (11·2-14·1)	5·1 (4·0-6·3)	16·7 (14·8-18·6)	5·8 (4·7-7·1)	13·7 (12·2-15·2)	5·7 (4·6-6·9)	18·2 (16·3-20·3)	6·2 (5·0-7·4)	14·4 (12·9-16·2)	6·0 (4·7-7·5)	19·2 (17·3-21·5)
Saint Vincent and the Grenadines	4·2 (3·3-5·1)	9·6 (8·5-10·8)	6·1 (4·8-7·5)	19·1 (17·0-21·2)	4·4 (3·5-5·3)	9·8 (8·7-10·9)	6·3 (5·0-7·8)	19·6 (17·5-21·8)	4·9 (3·9-6·0)	10·8 (9·6-12·1)	7·1 (5·6-8·7)	21·6 (19·3-24·0)	6·0 (4·9-7·4)	13·3 (11·8-14·8)	8·8 (7·0-10·9)	25·4 (23·0-28·0)
Suriname	2·9 (2·3-3·7)	10·1 (8·9-11·3)	5·5 (4·2-7·1)	27·9 (25·3-30·6)	3·2 (2·5-4·0)	10·9 (9·7-12·3)	6·1 (4·7-7·7)	29·8 (27·0-32·8)	3·6 (2·9-4·4)	11·2 (9·9-12·5)	6·6 (5·2-8·4)	30·9 (28·1-33·8)	4·2 (3·3-5·4)	12·5 (11·2-13·9)	7·4 (5·8-9·2)	33·8 (30·7-36·8)
The Bahamas	10·6 (8·7-12·8)	22·1 (20·0-24·4)	12·9 (10·5-15·7)	35·6 (32·8-38·9)	11·5 (9·4-13·9)	23·6 (21·4-25·9)	14·0 (11·0-17·0)	37·5 (34·5-40·5)	12·0 (9·5-14·7)	24·2 (22·2-26·5)	14·8 (12·0-18·1)	39·0 (36·1-41·7)	15·9 (12·9-18·9)	30·9 (28·3-33·6)	20·2 (16·6-24·2)	47·7 (44·5-51·2)
Trinidad and Tobago	5·6 (4·5-6·9)	19·9 (17·9-22·0)	2·5 (1·9-3·3)	33·4 (30·5-36·3)	5·4 (4·3-6·7)	18·9 (17·0-21·2)	3·0 (2·2-3·8)	32·6 (29·7-35·5)	6·3 (5·0-7·8)	18·8 (16·9-20·7)	5·9 (4·7-7·2)	33·0 (30·0-35·9)	7·8 (6·3-9·4)	20·9 (19·3-22·5)	7·2 (5·7-8·9)	36·2 (34·2-38·3)
Central Asia	6·2 (5·4-7·1)	8·2 (7·8-8·6)	5·2 (4·5-6·0)	16·7 (15·9-17·5)	6·9 (6·1-7·8)	9·0 (8·5-9·4)	5·7 (4·9-6·6)	18·0 (17·2-18·9)	6·1 (5·4-6·8)	9·6 (9·2-10·1)	5·3 (4·7-6·1)	18·5 (17·8-19·3)	6·8 (6·2-7·6)	12·6 (12·0-13·2)	5·9 (5·3-6·7)	22·0 (21·1-22·9)
Armenia	5·1 (4·0-6·5)	7·9 (7·0-8·9)	3·8 (2·9-4·9)	19·8 (17·8-21·9)	5·4 (4·3-6·8)	8·4 (7·4-9·4)	4·0 (3·1-5·1)	20·6 (18·5-22·8)	5·7 (4·7-7·1)	9·2 (8·2-10·3)	4·5 (3·6-5·4)	22·4 (20·7-24·3)	7·3 (5·8-8·9)	11·4 (10·0-12·8)	6·6 (5·2-8·2)	26·4 (24·1-28·8)
Azerbaijan	3·5 (2·7-4·3)	4·8 (4·2-5·4)	3·4 (2·6-4·3)	19·1 (17·0-21·2)	3·7 (3·0-4·7)	5·2 (4·6-5·8)	3·6 (2·8-4·7)	20·5 (18·4-22·6)	4·7 (3·8-5·8)	6·1 (5·4-6·8)	4·5 (3·6-5·7)	23·4 (21·4-25·6)	8·3 (6·5-10·4)	9·0 (8·0-10·0)	7·9 (6·2-9·9)	30·4 (28·2-32·8)
Georgia	5·6 (4·5-6·9)	10·8 (9·5-12·1)	7·0 (5·5-8·8)	15·0 (13·3-16·7)	5·8 (4·7-7·3)	11·2 (9·9-12·6)	7·3 (5·8-9·2)	15·6 (14·0-17·5)	8·3 (6·7-10·1)	15·7 (14·0-17·3)	10·0 (8·1-12·3)	21·0 (18·9-23·1)	10·7 (8·9-12·7)	21·2 (19·7-22·8)	12·1 (9·9-14·5)	28·1 (26·1-30·1)
Kazakhstan	2·9 (2·3-3·6)	6·3 (5·6-7·1)	2·5 (2·0-3·1)	22·0 (19·9-24·3)	3·3 (2·6-4·1)	7·3 (6·5-8·3)	2·9 (2·3-3·6)	24·7 (22·7-27·0)	3·7 (3·0-4·5)	8·2 (7·3-9·2)	3·2 (2·5-3·9)	22·3 (20·5-24·2)	7·4 (6·0-8·9)	15·4 (13·8-17·0)	5·7 (4·6-7·0)	27·3 (24·8-29·7)
Kyrgyzstan	4·0 (3·2-4·8)	8·9 (7·9-10·0)	3·2 (2·4-4·2)	15·8 (14·1-17·8)	4·4 (3·6-5·3)	9·7 (8·6-10·9)	3·6 (2·7-4·6)	17·1 (15·3-18·9)	4·2 (3·4-5·1)	9·5 (8·5-10·7)	3·8 (3·0-4·8)	17·8 (16·2-19·5)	4·6 (3·7-5·6)	10·3 (9·1-11·5)	4·5 (3·5-5·6)	19·7 (17·8-22·0)
Mongolia	5·1 (4·1-6·3)	8·6 (7·6-9·7)	5·2 (4·0-6·6)	14·9 (13·1-16·7)	4·8 (3·8-6·0)	8·2 (7·3-9·3)	5·0 (3·9-6·4)	14·3 (12·6-16·1)	4·5 (3·7-5·6)	9·0 (8·0-10·0)	4·7 (3·9-5·8)	15·1 (13·6-16·8)	4·7 (3·7-5·8)	12·1 (10·9-13·4)	4·5 (3·6-5·5)	18·3 (16·8-20·2)
Tajikistan	5·2 (4·2-6·4)	11·5 (10·3-12·9)	3·9 (3·0-4·9)	7·5 (6·5-8·5)	5·7 (4·7-7·2)	12·5 (11·1-13·9)	4·2 (3·3-5·3)	8·1 (7·1-9·1)	5·7 (4·7-6·9)	12·4 (11·2-13·8)	4·0 (3·1-5·1)	10·1 (8·8-11·3)	5·9 (4·8-7·1)	13·0 (11·5-14·4)	4·3 (3·4-5·5)	13·4 (12·0-14·8)
Turkmenistan	4·6 (3·7-5·6)	10·2 (9·1-11·5)	1·8 (1·4-2·3)	16·9 (15·0-18·9)	5·1 (4·1-6·2)	11·4 (10·1-12·6)	2·1 (1·6-2·6)	18·5 (16·7-20·5)	5·6 (4·5-6·9)	12·1 (10·8-13·5)	2·2 (1·8-2·8)	19·5 (17·9-21·1)	6·5 (5·3-8·1)	14·1 (12·6-15·8)	2·6 (2·1-3·3)	22·0 (19·9-24·1)

Country/Region	Males, 1980		Females, 1980		Males, 1990		Females, 1990		Males, 2000		Females, 2000		Males, 2013		Females, 2013	
	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20
Uzbekistan	10·8 (8·5-13·2)	9·4 (8·4-10·5)	8·5 (6·6-10·9)	12·1 (10·8-13·7)	11·9 (9·5-14·4)	10·4 (9·2-11·6)	9·4 (7·3-11·9)	13·2 (11·7-14·7)	7·9 (6·5-9·7)	9·9 (8·9-10·9)	7·2 (5·7-8·9)	13·7 (12·4-15·3)	7·0 (5·5-8·5)	11·3 (10·0-12·6)	6·6 (5·1-8·4)	15·8 (14·1-17·7)
Central Europe	6·5 (5·9-7·0)	16·4 (15·7-17·2)	5·3 (4·8-5·8)	19·4 (18·5-20·3)	6·8 (6·3-7·4)	16·2 (15·5-16·9)	5·8 (5·3-6·4)	19·2 (18·3-20·0)	7·1 (6·6-7·6)	16·7 (16·0-17·4)	6·1 (5·6-6·7)	19·5 (18·7-20·3)	7·5 (6·9-8·1)	18·0 (17·2-18·8)	6·3 (5·8-6·9)	20·7 (19·8-21·7)
Albania	15·2 (12·4-18·2)	6·8 (6·0-7·8)	14·2 (11·3-17·5)	8·4 (7·3-9·5)	15·8 (12·8-18·9)	6·8 (6·0-7·7)	14·6 (11·7-18·1)	8·4 (7·4-9·5)	15·1 (12·9-17·6)	7·5 (6·7-8·3)	14·4 (11·9-17·1)	9·1 (8·2-10·1)	11·5 (9·2-13·9)	9·2 (8·2-10·2)	12·8 (10·3-15·8)	11·1 (9·9-12·4)
Bosnia and Herzegovina	6·7 (5·4-8·2)	11·1 (9·9-12·5)	8·2 (6·4-10·1)	15·7 (14·0-17·5)	7·2 (5·8-8·9)	11·9 (10·5-13·4)	8·8 (7·0-10·8)	16·7 (14·9-18·6)	8·8 (7·3-10·5)	13·6 (12·4-14·9)	10·5 (8·6-12·7)	19·3 (17·7-21·0)	10·1 (8·3-12·1)	15·4 (13·8-17·0)	11·6 (9·6-14·1)	20·4 (18·4-22·4)
Bulgaria	9·3 (7·5-11·2)	22·4 (20·3-24·8)	8·5 (6·8-10·6)	26·5 (24·0-29·2)	8·2 (6·7-10·1)	19·7 (17·9-21·9)	7·6 (5·9-9·5)	23·7 (21·6-26·1)	6·8 (5·5-8·2)	16·5 (14·9-18·3)	6·6 (5·3-8·2)	20·3 (18·2-22·6)	6·9 (5·6-8·5)	16·6 (14·9-18·5)	6·7 (5·3-8·3)	20·3 (18·3-22·5)
Croatia	4·2 (3·4-5·2)	13·9 (12·4-15·6)	2·9 (2·3-3·7)	14·3 (12·7-16·0)	4·6 (3·7-5·7)	14·8 (13·1-16·6)	3·2 (2·5-4·0)	15·1 (13·6-16·9)	5·7 (4·6-7·0)	16·8 (15·3-18·8)	4·1 (3·1-5·1)	17·1 (15·5-19·0)	7·6 (6·1-9·3)	19·9 (17·9-22·2)	5·6 (4·4-7·1)	19·6 (17·5-21·7)
Czech Republic	6·5 (5·2-8·0)	15·7 (14·0-17·5)	4·6 (3·6-5·8)	19·1 (17·1-21·2)	6·8 (5·5-8·4)	16·2 (14·5-17·8)	4·9 (3·8-6·1)	19·6 (17·6-21·7)	6·7 (5·5-8·2)	17·3 (15·6-19·1)	5·0 (4·0-6·3)	20·3 (18·4-22·3)	6·4 (5·2-7·7)	17·8 (16·0-19·6)	4·8 (3·8-6·1)	20·8 (18·8-22·9)
Hungary	9·8 (7·9-12·1)	21·4 (19·4-23·5)	7·6 (5·8-9·4)	24·9 (22·4-27·5)	10·4 (8·6-12·7)	22·4 (20·3-24·6)	8·0 (6·4-9·8)	25·8 (23·3-28·3)	8·5 (6·9-10·5)	20·7 (18·6-22·7)	6·5 (5·2-8·1)	24·1 (21·8-26·7)	7·9 (6·5-9·6)	21·7 (19·6-24·0)	6·1 (4·9-7·5)	24·7 (22·4-27·2)
Macedonia	5·6 (4·6-6·9)	11·6 (10·4-13·0)	3·8 (3·0-5·0)	18·1 (16·2-20·0)	6·1 (4·9-7·4)	12·4 (10·9-14·0)	4·1 (3·1-5·3)	19·0 (17·0-20·9)	7·3 (6·0-8·8)	14·7 (13·2-16·4)	4·8 (3·8-6·0)	20·6 (18·8-22·8)	8·6 (7·2-10·4)	16·8 (15·1-18·6)	5·4 (4·4-6·7)	21·6 (19·6-23·6)
Montenegro	6·8 (5·6-8·2)	15·1 (13·5-16·9)	6·2 (4·9-7·6)	19·5 (17·6-21·5)	7·5 (6·1-9·2)	16·2 (14·5-18·0)	6·7 (5·3-8·2)	20·7 (18·5-23·2)	8·3 (6·8-10·0)	17·6 (15·9-19·5)	7·4 (5·9-9·0)	22·1 (19·7-24·4)	9·4 (7·6-11·3)	19·5 (17·5-21·5)	8·3 (6·8-10·2)	24·1 (21·7-26·6)
Poland	5·3 (4·3-6·5)	17·2 (15·4-19·1)	4·7 (3·7-5·9)	20·5 (18·5-22·7)	6·1 (5·0-7·4)	16·7 (14·9-18·5)	5·9 (4·7-7·4)	20·0 (18·0-22·1)	6·4 (5·4-7·6)	17·2 (15·5-19·0)	6·2 (5·1-7·5)	20·2 (18·1-22·3)	6·9 (5·6-8·4)	18·3 (16·5-20·3)	6·0 (4·7-7·4)	20·9 (18·9-23·2)
Romania	6·6 (5·3-8·2)	15·2 (13·6-16·9)	4·4 (3·5-5·5)	16·6 (14·7-18·6)	6·4 (5·2-7·9)	14·7 (13·0-16·3)	4·2 (3·3-5·4)	16·0 (14·1-17·8)	7·2 (5·9-8·8)	16·1 (14·5-17·9)	4·7 (3·7-6·0)	17·4 (15·5-19·4)	8·6 (7·0-10·4)	18·7 (16·9-20·6)	5·7 (4·5-6·9)	19·8 (17·8-22·1)
Serbia	3·3 (2·6-4·1)	12·3 (11·0-13·7)	2·7 (2·2-3·4)	15·5 (13·8-17·3)	3·6 (2·9-4·4)	13·3 (12·0-14·8)	3·0 (2·4-3·7)	16·5 (14·9-18·6)	5·1 (4·2-6·1)	14·6 (13·3-16·0)	4·6 (3·7-5·6)	17·9 (16·5-19·5)	6·7 (5·5-8·1)	16·0 (14·5-17·4)	6·9 (5·6-8·4)	19·5 (17·7-21·3)
Slovakia	4·0 (3·3-4·9)	15·6 (14·0-17·2)	3·8 (3·1-4·8)	18·9 (17·0-20·8)	4·7 (3·8-5·7)	17·3 (15·5-19·2)	4·4 (3·4-5·5)	20·7 (18·8-22·9)	5·0 (4·0-6·2)	17·4 (15·9-19·3)	4·8 (3·8-6·1)	21·0 (19·0-23·1)	5·5 (4·5-6·7)	17·6 (15·7-19·5)	5·5 (4·3-6·9)	21·5 (19·3-23·7)

Country/Region	Males, 1980		Females, 1980		Males, 1990		Females, 1990		Males, 2000		Females, 2000		Males, 2013		Females, 2013	
	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20
Slovenia	5·7 (4·5-7·0)	14·7 (13·2-16·4)	2·8 (2·2-3·5)	15·5 (13·7-17·3)	6·1 (4·9-7·4)	15·6 (14·0-17·3)	2·8 (2·4-3·4)	16·4 (14·6-18·2)	6·5 (5·3-7·9)	17·6 (16·0-19·4)	4·1 (3·6-4·8)	19·4 (17·5-21·5)	7·2 (5·9-8·6)	19·9 (17·9-22·0)	5·3 (4·3-6·4)	22·4 (20·2-24·9)
Central Latin America	6·5 (5·6-7·5)	10·8 (10·0-11·7)	5·1 (4·4-6·1)	17·6 (16·5-18·8)	6·6 (5·7-7·6)	11·5 (10·6-12·3)	5·1 (4·4-5·8)	18·4 (17·4-19·4)	6·3 (5·6-7·1)	13·5 (12·7-14·3)	5·8 (5·3-6·4)	23·7 (22·8-24·6)	7·4 (6·5-8·4)	16·7 (15·7-17·6)	7·5 (6·6-8·3)	28·4 (27·3-29·8)
Colombia	2·0 (1·6-2·5)	6·4 (5·7-7·2)	2·3 (1·8-2·8)	13·7 (12·1-15·4)	2·2 (1·8-2·7)	6·9 (6·1-7·7)	2·5 (2·0-3·1)	14·5 (12·9-16·1)	3·2 (2·6-3·8)	9·3 (8·4-10·3)	3·0 (2·4-3·7)	17·2 (15·9-18·6)	4·1 (3·4-4·8)	14·6 (13·5-15·8)	3·6 (2·9-4·3)	22·6 (21·0-24·3)
Costa Rica	5·0 (4·0-6·0)	11·8 (10·5-13·3)	9·3 (7·3-11·4)	23·0 (20·7-25·5)	5·7 (4·7-7·0)	13·5 (12·1-15·1)	10·6 (8·4-12·9)	25·6 (23·1-28·2)	6·2 (5·1-7·4)	14·3 (12·9-16·0)	11·5 (9·1-14·0)	27·2 (24·9-29·8)	6·7 (5·3-8·2)	15·4 (13·7-17·1)	12·4 (10·0-15·1)	28·8 (26·1-31·7)
El Salvador	1·7 (1·4-2·2)	4·0 (3·5-4·6)	3·7 (2·9-4·7)	21·3 (19·1-23·5)	1·9 (1·5-2·3)	4·5 (3·9-5·0)	4·2 (3·2-5·3)	22·9 (20·6-25·2)	2·3 (1·9-2·8)	5·4 (4·8-6·1)	5·4 (4·4-6·7)	26·8 (24·7-29·0)	2·7 (2·2-3·3)	6·2 (5·5-7·0)	6·3 (5·1-7·6)	33·0 (30·3-35·5)
Guatemala	3·5 (2·8-4·3)	6·3 (5·6-7·3)	3·6 (2·8-4·5)	13·5 (11·9-15·1)	3·7 (3·0-4·6)	6·7 (5·9-7·5)	3·8 (3·1-4·7)	13·7 (12·2-15·3)	3·6 (3·1-4·2)	6·6 (6·1-7·3)	3·8 (3·3-4·4)	16·0 (14·9-17·0)	3·4 (2·7-4·2)	9·4 (8·4-10·4)	3·8 (3·0-4·7)	19·1 (17·1-21·1)
Honduras	1·1 (0·9-1·4)	2·6 (2·3-3·0)	3·1 (2·4-4·0)	15·4 (13·7-17·2)	1·3 (1·0-1·6)	3·0 (2·6-3·3)	3·5 (2·7-4·3)	16·8 (15·0-18·8)	1·6 (1·3-2·0)	3·9 (3·4-4·4)	4·0 (3·2-5·0)	20·5 (18·9-22·2)	2·4 (2·0-3·0)	5·6 (4·9-6·3)	4·7 (3·8-5·7)	30·0 (27·9-32·0)
Mexico	9·5 (7·8-11·5)	14·0 (12·5-15·7)	6·2 (4·8-7·9)	18·9 (16·9-21·0)	9·8 (8·0-11·9)	15·1 (13·4-16·8)	6·2 (4·9-7·6)	20·1 (18·3-22·1)	9·1 (7·6-10·6)	17·9 (16·4-19·4)	7·1 (6·1-8·3)	28·2 (26·7-29·9)	10·5 (8·8-12·4)	20·6 (18·9-22·5)	9·8 (8·1-11·4)	32·7 (30·6-35·0)
Nicaragua	4·1 (3·3-5·0)	9·2 (8·1-10·3)	3·9 (3·0-4·8)	21·2 (18·9-23·4)	4·1 (3·3-5·1)	9·1 (8·1-10·3)	4·0 (3·2-4·9)	21·3 (19·3-23·4)	4·3 (3·5-5·3)	9·4 (8·4-10·6)	4·6 (3·7-5·5)	25·8 (24·2-27·5)	4·5 (3·7-5·5)	10·3 (9·2-11·6)	5·2 (4·1-6·5)	30·8 (28·3-33·4)
Panama	3·8 (3·0-4·6)	6·3 (7·5-9·4)	4·8 (3·7-6·0)	12·1 (13·7-17·2)	3·9 (3·2-4·8)	8·3 (7·7-9·8)	5·0 (3·9-6·2)	15·1 (14·2-17·9)	4·1 (3·3-5·0)	9·1 (8·0-10·2)	5·2 (4·1-6·6)	16·6 (14·8-18·5)	4·9 (3·9-6·0)	10·9 (9·7-12·2)	6·2 (5·0-7·6)	19·4 (17·4-21·4)
Venezuela	4·7 (3·8-5·8)	10·4 (9·2-11·7)	6·0 (4·7-7·3)	18·7 (16·7-20·8)	4·4 (3·5-5·4)	9·9 (8·8-11·1)	5·7 (4·5-7·1)	17·8 (16·0-19·7)	4·5 (3·6-5·5)	10·1 (9·0-11·3)	5·8 (4·6-7·2)	18·1 (16·1-20·2)	6·1 (4·9-7·4)	13·4 (12·0-14·9)	7·7 (6·2-9·5)	23·0 (20·8-25·4)
Central Sub-Saharan Africa	5·6 (4·8-6·6)	6·3 (5·9-6·7)	5·4 (4·5-6·5)	6·7 (6·2-7·2)	5·6 (4·7-6·5)	6·1 (5·7-6·5)	5·3 (4·4-6·4)	6·6 (6·1-7·1)	5·6 (4·8-6·5)	6·4 (6·0-6·8)	5·3 (4·6-6·2)	7·2 (6·8-7·7)	5·1 (4·4-5·9)	7·0 (6·6-7·5)	4·7 (3·9-5·5)	8·5 (8·0-9·1)
Angola	4·9 (4·0-6·0)	9·8 (8·7-11·0)	5·0 (3·9-6·3)	15·2 (13·5-17·0)	4·4 (3·5-5·4)	8·9 (7·9-10·0)	4·5 (3·6-5·7)	14·0 (12·5-15·7)	4·7 (3·9-5·7)	9·8 (8·7-11·0)	5·0 (4·1-6·1)	15·5 (13·9-17·1)	5·7 (4·6-7·0)	12·0 (10·7-13·4)	6·0 (4·7-7·5)	18·7 (16·7-20·9)
Central African Republic	6·2 (4·9-7·6)	12·4 (11·1-13·8)	4·3 (3·3-5·5)	3·2 (2·8-3·6)	5·3 (4·3-6·4)	10·7 (9·5-12·0)	3·8 (3·0-4·7)	2·7 (2·4-3·1)	5·9 (5·0-7·0)	11·8 (10·4-13·2)	4·2 (3·4-5·2)	2·9 (2·5-3·3)	6·2 (5·0-7·6)	13·2 (11·8-14·7)	3·1 (2·4-4·0)	3·3 (2·9-3·8)

Country/Region	Males, 1980		Females, 1980		Males, 1990		Females, 1990		Males, 2000		Females, 2000		Males, 2013		Females, 2013	
	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20
Congo	4·7 (3·8-5·8)	9·5 (8·5-10·7)	3·3 (2·5-4·3)	12·7 (11·3-14·3)	4·8 (3·9-5·9)	9·6 (8·6-10·7)	3·4 (2·5-4·3)	12·9 (11·3-14·4)	4·1 (3·3-5·1)	8·5 (7·5-9·6)	3·4 (2·6-4·2)	13·7 (12·3-15·3)	2·9 (2·4-3·6)	6·5 (5·7-7·4)	2·9 (2·3-3·7)	14·3 (13·0-15·8)
Democratic Republic of the Congo	5·9 (4·7-7·3)	4·2 (3·6-4·7)	5·7 (4·4-7·3)	3·8 (3·3-4·3)	6·0 (4·8-7·5)	4·2 (3·7-4·8)	5·8 (4·5-7·4)	3·8 (3·4-4·4)	5·9 (4·8-7·1)	4·4 (3·9-5·0)	5·6 (4·6-7·0)	4·1 (3·6-4·7)	4·9 (4·0-6·0)	4·7 (4·1-5·3)	4·4 (3·4-5·5)	4·5 (4·0-5·2)
Equatorial Guinea	11·3 (9·3-13·7)	21·2 (18·9-23·4)	11·6 (9·4-14·1)	30·6 (27·8-33·3)	11·5 (9·4-13·8)	21·6 (19·6-23·8)	12·0 (9·7-14·7)	31·1 (28·2-34·0)	12·2 (10·2-14·4)	22·8 (20·6-25·2)	12·7 (10·7-15·3)	32·9 (30·0-35·9)	12·9 (10·6-15·6)	24·8 (22·4-27·1)	13·5 (10·9-16·6)	35·4 (32·3-38·3)
Gabon	2·4 (1·9-3·0)	9·7 (8·6-10·9)	2·6 (2·0-3·2)	15·0 (13·4-16·9)	2·5 (2·0-3·1)	10·3 (9·1-11·5)	2·7 (2·1-3·4)	15·9 (14·2-17·7)	2·6 (2·1-3·1)	10·9 (9·7-12·2)	3·1 (2·5-3·9)	19·9 (18·1-21·8)	3·3 (2·6-4·0)	11·6 (10·4-13·0)	3·9 (3·1-4·8)	27·9 (25·7-30·1)
East Asia	4·1 (3·2-5·0)	1·5 (1·4-1·7)	3·0 (2·3-3·9)	2·0 (1·7-2·2)	5·1 (4·2-6·0)	1·9 (1·7-2·1)	3·9 (3·2-4·7)	2·4 (2·2-2·6)	5·7 (4·7-6·7)	2·5 (2·3-2·7)	3·1 (2·5-3·7)	3·5 (3·3-3·8)	6·8 (5·6-8·1)	3·8 (3·5-4·2)	2·8 (2·2-3·4)	4·9 (4·5-5·4)
China	4·1 (3·2-5·1)	1·5 (1·3-1·7)	3·0 (2·3-4·0)	1·9 (1·7-2·2)	5·1 (4·2-6·1)	1·8 (1·6-2·0)	3·9 (3·2-4·8)	2·3 (2·1-2·6)	5·7 (4·8-6·8)	2·4 (2·2-2·7)	3·1 (2·5-3·8)	3·5 (3·2-3·8)	6·9 (5·7-8·2)	3·8 (3·5-4·3)	2·8 (2·2-3·4)	5·0 (4·5-5·5)
North Korea	1·0 (0·9-1·3)	2·1 (1·8-2·4)	0·9 (0·7-1·1)	2·7 (2·4-3·1)	1·1 (0·9-1·4)	2·2 (1·9-2·5)	1·0 (0·8-1·2)	2·9 (2·5-3·2)	1·0 (0·8-1·3)	2·1 (1·8-2·4)	0·9 (0·7-1·1)	2·8 (2·4-3·2)	1·0 (0·8-1·3)	2·1 (1·9-2·4)	0·9 (0·7-1·1)	2·8 (2·5-3·2)
Taiwan (Province of China)	5·4 (4·4-6·8)	3·1 (2·7-3·5)	3·0 (2·3-3·7)	4·0 (3·5-4·6)	6·3 (5·3-7·3)	3·5 (3·1-3·9)	3·3 (2·8-4·0)	4·6 (4·0-5·1)	6·9 (6·1-7·9)	3·8 (3·5-4·2)	3·7 (3·2-4·3)	5·2 (4·8-5·7)	7·7 (6·2-9·4)	4·3 (3·7-4·8)	4·2 (3·3-5·3)	6·4 (5·6-7·2)
Eastern Europe	5·9 (4·9-6·9)	9·8 (9·1-10·6)	5·4 (4·5-6·4)	21·6 (20·0-23·1)	7·0 (6·1-8·0)	10·4 (9·7-11·0)	6·3 (5·5-7·2)	22·7 (21·6-23·8)	6·5 (5·6-7·5)	12·7 (12·2-13·3)	5·9 (5·0-6·9)	26·8 (25·9-27·7)	7·1 (6·0-8·4)	14·8 (13·7-16·0)	6·4 (5·4-7·6)	27·0 (25·3-28·7)
Belarus	3·1 (2·5-3·8)	7·0 (6·2-7·9)	3·6 (2·8-4·5)	11·9 (10·5-13·5)	3·4 (2·8-4·2)	7·8 (6·9-8·8)	3·9 (3·1-4·9)	13·0 (11·4-14·7)	3·3 (2·7-4·1)	7·8 (6·9-8·7)	3·8 (3·1-4·7)	12·9 (11·5-14·4)	3·8 (3·0-4·7)	8·8 (7·8-9·9)	4·2 (3·4-5·2)	14·2 (12·5-16·0)
Estonia	5·1 (4·1-6·3)	13·3 (11·8-14·8)	5·6 (4·4-6·9)	21·1 (18·9-23·3)	5·4 (4·2-6·5)	13·9 (12·5-15·4)	5·9 (4·6-7·3)	21·7 (19·6-24·0)	6·4 (5·2-7·9)	16·4 (14·8-18·2)	7·0 (5·6-8·6)	23·6 (21·3-26·0)	7·3 (5·9-9·0)	19·0 (17·2-21·0)	7·6 (6·1-9·4)	25·6 (23·2-28·1)
Latvia	3·7 (2·9-4·6)	14·6 (13·0-16·1)	3·5 (2·7-4·4)	24·6 (22·3-27·3)	4·2 (3·4-5·1)	16·2 (14·6-17·9)	3·9 (3·0-4·9)	26·6 (24·1-29·2)	4·2 (3·4-5·1)	15·8 (14·3-17·6)	3·4 (2·7-4·1)	25·2 (22·9-27·7)	4·8 (3·9-5·8)	17·4 (15·7-19·1)	3·4 (2·8-4·3)	25·7 (23·3-28·2)
Lithuania	3·8 (3·1-4·8)	12·7 (11·3-14·2)	3·6 (2·8-4·6)	18·7 (16·9-21·0)	4·4 (3·4-5·3)	14·3 (12·8-15·8)	4·1 (3·2-5·0)	20·6 (18·4-22·8)	5·2 (4·2-6·4)	16·3 (14·8-18·0)	4·6 (3·7-5·7)	22·7 (20·4-25·2)	6·3 (5·1-7·8)	18·3 (16·4-20·2)	5·2 (4·2-6·5)	24·4 (22·2-26·9)
Moldova	4·4 (3·6-5·5)	9·8 (8·6-11·0)	4·3 (3·3-5·6)	24·3 (21·9-26·9)	4·8 (3·8-6·0)	10·6 (9·4-11·8)	4·7 (3·6-6·1)	25·8 (23·1-28·2)	4·9 (4·0-6·0)	11·1 (9·9-12·4)	4·8 (3·7-6·1)	26·6 (24·5-28·8)	5·6 (4·5-6·8)	12·7 (11·3-14·1)	5·3 (4·1-6·8)	28·8 (26·3-31·3)

Country/Region	Males, 1980		Females, 1980		Males, 1990		Females, 1990		Males, 2000		Females, 2000		Males, 2013		Females, 2013	
	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20
Russia	6·2 (4·8-7·8)	9·1 (8·0-10·2)	5·6 (4·3-7·2)	22·3 (20·2-24·6)	7·5 (6·4-8·9)	9·4 (8·7-10·1)	6·7 (5·6-7·9)	23·1 (21·8-24·5)	6·9 (5·7-8·4)	12·8 (12·1-13·5)	6·3 (5·0-7·7)	29·2 (28·3-30·2)	7·3 (5·8-9·2)	15·3 (13·8-17·0)	6·6 (5·2-8·3)	28·5 (26·1-30·9)
Ukraine	5·8 (4·7-7·1)	11·6 (10·3-12·9)	5·3 (4·1-6·7)	21·5 (19·4-23·6)	6·5 (5·2-8·1)	12·8 (11·4-14·3)	5·9 (4·6-7·4)	23·2 (20·8-25·4)	6·4 (5·2-7·8)	12·8 (11·5-14·2)	5·8 (4·5-7·2)	23·1 (20·7-25·4)	7·3 (5·9-8·9)	14·6 (13·0-16·2)	6·5 (5·1-8·0)	25·2 (22·8-27·9)
Eastern Sub-Saharan Africa	3·5 (3·3-3·8)	4·4 (4·2-4·6)	2·9 (2·7-3·1)	6·0 (5·7-6·2)	3·4 (3·1-3·6)	4·2 (4·0-4·4)	2·7 (2·5-3·0)	5·8 (5·6-6·1)	3·3 (3·1-3·5)	4·2 (4·0-4·4)	2·8 (2·6-3·0)	7·1 (6·8-7·4)	3·3 (3·1-3·5)	4·4 (4·2-4·6)	2·9 (2·7-3·1)	8·8 (8·4-9·1)
Burundi	1·7 (1·3-2·1)	3·5 (3·1-4·0)	1·3 (1·0-1·6)	2·8 (2·4-3·2)	1·6 (1·3-2·0)	3·3 (2·9-3·7)	1·2 (0·9-1·5)	2·6 (2·3-3·0)	1·5 (1·2-1·9)	3·3 (2·9-3·7)	1·2 (0·9-1·5)	2·5 (2·2-2·8)	1·8 (1·5-2·2)	3·7 (3·3-4·2)	1·4 (1·1-1·8)	2·4 (2·2-2·8)
Comoros	7·7 (6·3-9·5)	5·3 (4·6-6·0)	4·6 (3·6-5·8)	12·6 (11·3-14·1)	8·7 (7·1-10·6)	5·6 (4·9-6·3)	5·2 (4·1-6·5)	13·4 (11·9-14·8)	12·5 (10·8-14·3)	5·3 (4·7-6·0)	8·3 (6·8-10·1)	16·2 (14·5-17·9)	10·1 (8·1-12·4)	5·5 (5·0-5·9)	7·9 (6·1-9·9)	20·8 (19·1-22·4)
Djibouti	4·5 (3·6-5·6)	7·5 (6·6-8·3)	5·7 (4·4-7·2)	11·1 (9·8-12·5)	4·8 (3·8-5·9)	7·8 (7·0-8·8)	6·0 (4·7-7·6)	11·6 (10·2-13·2)	5·6 (4·5-6·8)	9·2 (8·2-10·4)	7·0 (5·6-8·8)	13·5 (12·0-15·2)	7·1 (5·8-8·7)	11·8 (10·4-13·1)	8·6 (6·9-10·7)	17·0 (15·1-19·0)
Eritrea	1·2 (1·0-1·5)	2·4 (2·1-2·7)	1·2 (0·9-1·5)	3·6 (3·2-4·1)	1·3 (1·0-1·6)	2·5 (2·1-2·8)	1·2 (0·9-1·5)	3·7 (3·2-4·3)	1·6 (1·3-1·9)	2·5 (2·2-2·9)	1·4 (1·1-1·8)	4·1 (3·6-4·7)	1·8 (1·4-2·2)	2·7 (2·4-3·1)	1·6 (1·2-2·0)	4·7 (4·1-5·4)
Ethiopia	1·4 (1·1-1·8)	3·0 (2·6-3·4)	1·4 (1·1-1·8)	1·2 (1·0-1·4)	1·4 (1·1-1·8)	3·0 (2·7-3·5)	1·4 (1·1-1·8)	1·2 (1·1-1·4)	1·8 (1·4-2·2)	3·4 (3·3-4·2)	1·7 (1·3-2·1)	1·4 (1·2-1·6)	1·9 (1·5-2·4)	4·0 (3·6-4·6)	1·9 (1·5-2·3)	1·8 (1·6-2·0)
Kenya	4·0 (3·3-5·0)	8·2 (7·3-9·2)	3·4 (2·6-4·3)	11·1 (10·0-12·4)	3·7 (3·0-4·5)	7·5 (6·6-8·5)	3·1 (2·4-3·9)	10·4 (9·2-11·6)	3·5 (2·9-4·2)	7·2 (6·3-8·1)	2·9 (2·3-3·7)	12·7 (11·5-14·0)	3·0 (2·4-3·6)	6·3 (5·6-7·2)	2·6 (2·0-3·2)	15·2 (13·7-16·8)
Madagascar	4·0 (3·2-4·9)	2·1 (1·9-2·4)	1·6 (1·2-2·0)	4·2 (3·7-4·8)	3·5 (2·8-4·4)	1·9 (1·7-2·2)	1·4 (1·1-1·8)	3·8 (3·3-4·3)	3·2 (2·6-3·9)	1·7 (1·5-2·0)	1·8 (1·4-2·3)	3·7 (3·3-4·2)	3·4 (2·7-4·3)	1·9 (1·6-2·1)	2·1 (1·6-2·7)	4·0 (3·5-4·6)
Malawi	8·3 (6·8-10·1)	1·9 (1·6-2·1)	4·7 (3·6-6·2)	5·2 (4·5-5·9)	7·4 (6·1-9·0)	1·6 (1·4-1·9)	4·3 (3·4-5·4)	4·6 (4·1-5·3)	6·4 (5·3-7·6)	1·8 (1·6-2·0)	5·2 (4·1-6·4)	5·3 (4·7-5·9)	6·3 (5·2-7·7)	2·0 (1·8-2·3)	6·1 (4·8-7·9)	7·2 (6·4-8·0)
Mauritius	3·9 (3·1-4·8)	5·0 (4·4-5·7)	5·0 (3·9-6·2)	13·7 (12·1-15·4)	4·3 (3·5-5·4)	5·6 (4·9-6·4)	5·5 (4·3-6·9)	15·0 (13·3-16·6)	4·7 (3·7-5·7)	6·3 (5·6-7·1)	5·8 (4·6-7·3)	16·2 (14·6-18·1)	5·4 (4·4-6·6)	7·4 (6·5-8·3)	6·6 (5·3-8·3)	18·4 (16·4-20·5)
Mozambique	4·1 (3·3-5·1)	2·7 (2·4-3·1)	3·9 (2·9-5·0)	6·6 (5·7-7·5)	4·1 (3·3-5·0)	2·7 (2·4-3·1)	3·9 (2·9-5·1)	6·6 (5·8-7·5)	3·6 (3·0-4·4)	3·1 (2·7-3·5)	3·3 (2·5-4·1)	7·9 (7·1-8·9)	3·5 (2·9-4·3)	3·5 (3·0-3·9)	3·0 (2·4-3·7)	9·2 (8·3-10·3)
Rwanda	3·9 (3·1-4·8)	2·9 (2·5-3·4)	2·8 (2·2-3·6)	2·5 (2·2-2·9)	3·2 (2·6-3·9)	2·4 (2·1-2·9)	2·4 (1·8-3·0)	2·1 (1·9-2·4)	3·7 (3·1-4·5)	2·3 (1·9-2·7)	3·2 (2·5-4·0)	2·2 (2·0-2·5)	4·2 (3·4-5·1)	2·4 (2·1-2·9)	3·4 (2·6-4·2)	3·4 (3·0-3·8)

Country/Region	Males, 1980		Females, 1980		Males, 1990		Females, 1990		Males, 2000		Females, 2000		Males, 2013		Females, 2013	
	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20
Seychelles	3·5 (2·8-4·3)	4·0 (3·6-4·6)	4·9 (3·8-6·1)	18·4 (16·6-20·4)	3·7 (2·9-4·5)	4·7 (4·2-5·1)	5·0 (3·9-6·2)	21·0 (19·8-22·3)	4·1 (3·4-4·9)	9·4 (8·5-10·4)	5·4 (4·7-6·3)	29·0 (27·1-31·0)	4·3 (3·5-5·4)	11·0 (9·7-12·3)	5·7 (4·6-7·2)	30·3 (27·6-32·8)
Somalia	3·5 (2·8-4·3)	7·2 (6·3-8·0)	3·8 (3·0-4·8)	11·7 (10·3-13·2)	3·4 (2·8-4·3)	7·1 (6·3-8·0)	3·8 (3·0-4·8)	11·6 (10·2-13·0)	3·5 (2·9-4·2)	7·2 (6·4-8·0)	3·8 (3·1-4·8)	11·9 (10·6-13·2)	3·5 (2·8-4·3)	7·4 (6·6-8·3)	3·9 (3·1-5·0)	12·4 (11·0-13·9)
South Sudan	7·5 (6·0-9·0)	14·7 (13·1-16·4)	9·0 (7·2-11·0)	24·3 (22·0-26·7)	7·5 (6·0-9·1)	14·7 (13·2-16·5)	9·0 (7·2-11·2)	24·4 (22·0-27·2)	7·8 (6·4-9·3)	15·1 (13·5-16·7)	9·3 (7·7-11·1)	25·3 (23·1-27·7)	8·2 (6·7-10·1)	16·1 (14·3-18·0)	9·8 (7·8-12·1)	26·7 (24·2-29·6)
Tanzania	3·8 (3·1-4·7)	5·1 (4·5-5·8)	2·5 (1·9-3·2)	6·4 (5·6-7·2)	3·9 (3·2-4·8)	5·2 (4·6-5·9)	2·5 (2·0-3·2)	7·0 (6·2-7·9)	3·1 (2·5-3·7)	4·0 (3·6-4·5)	2·0 (1·6-2·5)	11·5 (10·3-12·8)	2·4 (1·9-3·0)	4·0 (3·6-4·5)	1·9 (1·5-2·3)	16·4 (15·1-17·8)
Uganda	2·4 (1·9-3·1)	1·7 (1·5-2·0)	2·4 (1·8-3·0)	4·1 (3·6-4·7)	2·6 (2·0-3·1)	1·8 (1·5-2·0)	2·4 (1·9-3·1)	4·2 (3·7-4·8)	2·6 (2·1-3·2)	1·7 (1·5-2·0)	2·2 (1·7-2·7)	5·3 (4·7-5·9)	2·4 (1·9-3·0)	1·7 (1·5-2·0)	2·1 (1·6-2·6)	6·8 (6·0-7·6)
Zambia	7·5 (6·0-9·1)	6·0 (5·3-6·8)	5·6 (4·3-7·1)	9·4 (8·3-10·5)	6·7 (5·4-8·1)	5·5 (4·8-6·1)	5·1 (4·0-6·4)	9·0 (8·0-10·1)	9·3 (7·8-10·9)	5·0 (4·5-5·7)	6·6 (5·5-8·2)	11·2 (10·1-12·7)	10·6 (8·9-12·5)	5·1 (4·5-5·7)	7·6 (6·0-9·5)	13·9 (12·5-15·5)
High-income Asia Pacific	2·6 (2·4-3·0)	2·4 (2·2-2·6)	1·8 (1·5-2·0)	3·1 (3·0-3·4)	3·0 (2·7-3·3)	2·9 (2·7-3·1)	2·1 (1·9-2·4)	3·1 (3·0-3·3)	3·7 (3·3-4·1)	3·9 (3·6-4·2)	2·8 (2·5-3·1)	3·8 (3·5-4·0)	4·0 (3·4-4·5)	5·3 (4·9-5·7)	2·7 (2·3-3·1)	4·2 (3·9-4·5)
Brunei	1·1 (0·8-1·3)	2·3 (2·0-2·6)	0·7 (0·6-0·9)	2·4 (2·1-2·8)	1·3 (1·0-1·6)	2·8 (2·4-3·2)	0·9 (0·7-1·1)	2·9 (2·5-3·3)	1·5 (1·1-1·8)	3·2 (2·8-3·6)	1·0 (0·8-1·3)	3·2 (2·8-3·6)	1·6 (1·3-2·0)	3·6 (3·1-4·0)	1·1 (0·8-1·4)	3·5 (3·1-4·1)
Japan	2·0 (1·8-2·3)	1·5 (1·4-1·7)	1·4 (1·2-1·6)	2·5 (2·4-2·7)	2·5 (2·2-2·8)	1·8 (1·7-2·0)	1·9 (1·7-2·1)	2·4 (2·3-2·5)	3·4 (3·0-3·7)	3·0 (2·8-3·3)	2·8 (2·5-3·1)	3·1 (2·9-3·3)	3·4 (2·8-4·0)	4·5 (4·0-5·0)	2·4 (2·0-3·0)	3·3 (3·0-3·7)
Singapore	3·5 (2·8-4·3)	5·3 (4·7-6·0)	2·4 (1·9-3·0)	6·6 (5·8-7·5)	3·8 (3·1-4·7)	5·9 (5·2-6·6)	2·6 (2·1-3·3)	7·1 (6·3-8·0)	5·6 (4·5-6·9)	8·4 (7·5-9·4)	3·1 (2·4-4·0)	8·6 (7·7-9·7)	7·7 (6·3-9·4)	12·0 (10·7-13·4)	3·9 (3·1-5·0)	10·8 (9·6-12·0)
South Korea	3·9 (3·2-4·8)	5·6 (4·9-6·4)	2·5 (2·0-3·2)	5·4 (4·7-6·1)	4·0 (3·2-4·9)	5·7 (5·0-6·5)	2·6 (2·0-3·2)	5·4 (4·7-6·1)	4·2 (3·4-5·2)	6·1 (5·3-6·9)	2·7 (2·1-3·4)	5·5 (4·9-6·2)	4·8 (3·9-5·9)	6·8 (6·0-7·7)	3·1 (2·4-3·9)	5·8 (5·2-6·5)
High-income North America	6·8 (5·7-8·1)	17·8 (16·3-19·5)	7·3 (6·0-8·7)	20·5 (18·7-22·4)	6·9 (6·2-7·5)	19·4 (18·4-20·4)	7·6 (7·0-8·3)	23·0 (21·9-24·2)	10·9 (10·2-11·7)	25·9 (25·0-26·9)	11·5 (10·7-12·4)	29·6 (28·5-30·9)	12·1 (10·7-13·6)	30·6 (29·1-32·2)	13·0 (11·5-14·8)	32·5 (30·7-34·2)
Canada	6·8 (5·4-8·3)	15·6 (13·8-17·3)	6·5 (5·1-8·1)	17·2 (15·5-19·2)	7·4 (6·0-9·1)	15·7 (14·4-17·1)	7·0 (5·7-8·8)	17·6 (16·1-19·3)	11·0 (9·5-12·8)	20·2 (18·4-22·0)	9·5 (7·9-11·3)	20·1 (18·3-21·9)	10·0 (8·4-11·6)	21·9 (20·0-23·9)	8·8 (7·2-10·7)	20·5 (18·7-22·5)
United States	6·8 (5·5-8·2)	18·0 (16·3-19·9)	7·4 (5·9-8·9)	20·9 (18·9-22·9)	6·8 (6·1-7·5)	19·9 (18·8-20·9)	7·7 (7·0-8·5)	23·6 (22·4-24·9)	10·9 (10·1-11·7)	26·6 (25·6-27·7)	11·7 (10·9-12·7)	30·7 (29·4-32·1)	12·4 (10·8-14·0)	31·7 (30·0-33·4)	13·4 (11·7-15·3)	33·9 (31·8-35·7)

Country/Region	Males, 1980		Females, 1980		Males, 1990		Females, 1990		Males, 2000		Females, 2000		Males, 2013		Females, 2013	
	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20
North Africa and Middle East	5·5 (5·1-6·0)	14·7 (14·1-15·3)	7·0 (6·5-7·5)	25·3 (24·3-26·2)	6·6 (6·1-7·1)	16·9 (16·2-17·6)	8·3 (7·7-8·9)	28·0 (27·2-29·0)	7·1 (6·7-7·6)	18·1 (17·5-18·7)	9·0 (8·4-9·6)	30·8 (30·1-31·5)	8·4 (7·9-8·9)	20·3 (19·9-20·8)	10·2 (9·5-10·8)	33·9 (33·2-34·7)
Algeria	4·7 (3·8-5·8)	6·8 (6·0-7·7)	10·0 (7·9-12·2)	16·7 (14·8-18·7)	5·7 (4·7-7·0)	8·2 (7·2-9·2)	11·8 (9·5-14·3)	19·4 (17·5-21·7)	6·4 (5·2-7·7)	8·9 (8·0-9·9)	13·0 (10·5-16·0)	21·0 (19·2-23·0)	7·7 (6·2-9·4)	11·1 (9·8-12·3)	15·3 (12·5-18·6)	24·9 (22·6-27·4)
Bahrain	6·1 (4·8-7·6)	17·7 (15·9-19·6)	7·5 (5·8-9·4)	28·5 (25·9-31·3)	7·6 (6·0-9·1)	21·2 (19·3-23·5)	9·3 (7·3-11·7)	33·2 (30·3-36·1)	8·7 (7·1-10·7)	25·2 (23·3-27·1)	10·5 (8·5-12·8)	38·1 (35·9-40·2)	9·3 (7·3-11·4)	31·0 (28·4-33·7)	10·7 (8·5-13·4)	42·9 (40·0-45·9)
Egypt	7·3 (5·9-8·8)	18·5 (16·6-20·5)	7·7 (6·1-9·6)	30·9 (28·1-33·9)	9·7 (8·1-11·6)	22·3 (20·0-24·7)	9·8 (8·0-11·9)	34·5 (32·1-36·8)	10·5 (8·7-12·5)	24·7 (22·4-26·9)	12·0 (9·9-14·4)	42·5 (40·4-44·5)	12·7 (10·7-15·2)	26·4 (25·0-27·8)	14·4 (11·9-17·6)	48·4 (46·1-50·9)
Iran	5·5 (4·4-6·8)	10·1 (9·0-11·4)	7·7 (6·0-9·7)	22·5 (20·1-24·9)	6·6 (5·3-8·0)	11·9 (10·6-13·3)	9·1 (7·3-11·2)	25·7 (23·1-28·5)	6·1 (5·0-7·4)	12·0 (11·0-12·9)	8·3 (6·6-10·1)	26·2 (24·3-28·2)	5·9 (4·8-7·2)	13·6 (12·5-14·8)	7·2 (5·7-8·9)	29·3 (27·2-31·6)
Iraq	3·8 (3·0-4·6)	18·7 (16·8-20·8)	4·0 (3·1-5·0)	28·8 (26·3-31·6)	4·1 (3·3-5·1)	20·3 (18·4-22·4)	4·3 (3·4-5·4)	30·7 (28·0-33·5)	5·9 (4·8-7·3)	23·6 (21·4-25·9)	6·2 (4·9-7·5)	35·0 (32·2-37·9)	8·2 (6·8-9·8)	25·7 (23·3-28·1)	8·2 (6·6-10·0)	37·5 (34·4-40·6)
Jordan	5·3 (4·2-6·6)	19·3 (17·4-21·2)	5·7 (4·4-7·1)	38·1 (35·3-41·0)	6·2 (4·8-7·8)	21·6 (19·5-23·9)	6·6 (5·2-8·3)	41·4 (38·7-44·0)	6·9 (5·5-8·5)	23·6 (21·9-25·6)	7·5 (6·1-9·2)	44·8 (42·7-46·7)	8·0 (6·4-9·9)	27·5 (25·3-29·7)	8·0 (6·2-10·0)	45·6 (43·4-47·9)
Kuwait	10·8 (8·9-13·0)	30·3 (27·8-33·0)	15·4 (12·6-18·7)	46·7 (43·4-49·9)	9·7 (7·9-11·8)	28·1 (25·6-30·9)	14·0 (11·4-17·1)	44·4 (41·2-47·6)	13·8 (11·3-16·5)	37·1 (34·5-39·8)	19·3 (15·8-23·1)	53·2 (50·5-55·9)	16·7 (13·9-20·1)	43·4 (40·9-46·1)	23·3 (19·5-27·8)	58·6 (55·7-61·4)
Lebanon	10·2 (8·4-12·4)	15·5 (13·9-17·2)	8·9 (7·0-10·8)	22·0 (19·9-24·2)	12·9 (10·4-15·5)	19·2 (17·1-21·1)	11·1 (8·9-13·7)	26·4 (23·9-28·9)	14·4 (12·0-17·2)	22·1 (20·2-24·2)	11·8 (9·6-14·5)	27·8 (25·4-30·2)	15·9 (13·0-19·1)	26·3 (24·2-28·4)	12·5 (10·2-15·4)	29·3 (27·0-31·7)
Libya	13·6 (11·2-16·3)	28·4 (25·9-31·1)	20·9 (17·2-25·4)	55·5 (52·3-58·8)	13·9 (11·4-16·7)	29·0 (26·3-31·8)	21·4 (17·5-25·7)	56·0 (52·8-59·4)	14·0 (11·3-16·6)	29·1 (26·6-31·7)	21·4 (17·6-25·5)	56·2 (53·1-59·6)	14·5 (12·0-17·0)	30·2 (27·6-32·9)	22·1 (18·1-26·4)	57·2 (54·0-60·4)
Morocco	4·6 (3·7-5·7)	13·3 (11·8-14·9)	4·8 (3·8-6·0)	15·3 (13·6-17·0)	5·4 (4·4-6·6)	15·0 (13·4-16·5)	5·7 (4·6-7·1)	16·6 (15·1-18·1)	7·0 (5·8-8·4)	16·0 (14·6-17·4)	6·3 (5·0-7·7)	18·2 (16·9-19·7)	7·9 (6·4-9·6)	18·1 (16·3-20·0)	9·1 (7·3-11·3)	20·9 (18·8-23·1)
Oman	4·2 (3·4-5·2)	9·8 (8·5-11·1)	9·3 (7·3-11·7)	22·2 (19·9-24·7)	4·8 (3·9-6·0)	11·0 (10·0-12·1)	10·4 (8·3-12·6)	24·2 (22·0-26·5)	6·7 (5·4-8·2)	15·8 (14·5-17·2)	12·2 (9·8-14·9)	27·5 (25·6-29·9)	8·4 (6·7-10·2)	20·6 (18·5-22·7)	15·4 (12·4-18·5)	36·9 (33·9-40·1)
Palestine	7·3 (5·9-8·9)	18·8 (16·9-20·9)	7·7 (6·2-9·5)	29·4 (26·7-32·2)	8·5 (6·9-10·2)	21·7 (19·5-23·9)	9·0 (7·1-11·2)	32·9 (30·2-35·9)	9·9 (8·1-12·0)	24·7 (22·6-27·2)	10·4 (8·4-12·7)	36·9 (33·8-39·8)	11·9 (9·8-14·3)	29·8 (28·0-31·5)	12·5 (10·1-15·2)	42·4 (40·5-44·4)
Qatar	17·1 (14·1-20·5)	39·0 (36·0-41·8)	12·4 (13·3-19·7)	52·1 (49·1-55·4)	19·8 (16·5-23·6)	43·3 (40·3-46·3)	14·7 (15·4-22·6)	55·9 (52·8-58·7)	18·1 (15·3-21·5)	44·4 (41·5-47·7)	15·5 (12·7-18·6)	56·1 (53·1-59·4)	18·8 (15·8-21·9)	44·0 (41·8-46·4)	15·5 (12·6-18·6)	54·7 (52·1-57·0)

Country/Region	Males, 1980		Females, 1980		Males, 1990		Females, 1990		Males, 2000		Females, 2000		Males, 2013		Females, 2013	
	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20
Saudi Arabia	5·0 (4·0-6·3)	17·0 (15·1-18·7)	8·2 (6·5-9·9)	28·2 (25·6-30·9)	5·9 (4·8-7·2)	19·5 (18·3-20·9)	9·3 (7·4-11·2)	31·4 (29·8-33·1)	7·9 (6·5-9·5)	26·2 (24·5-28·3)	13·3 (10·8-16·3)	42·1 (39·8-44·6)	9·4 (7·8-11·2)	30·0 (28·4-31·8)	14·8 (12·2-17·7)	44·4 (42·4-46·5)
Sudan	4·1 (3·2-4·9)	9·3 (8·2-10·5)	4·2 (3·3-5·2)	13·8 (12·1-15·4)	4·6 (3·6-5·7)	10·4 (9·2-11·7)	4·7 (3·7-5·8)	15·3 (13·6-17·2)	5·1 (4·3-6·3)	11·5 (10·2-12·8)	5·2 (4·2-6·3)	16·7 (15·0-18·6)	5·7 (4·6-6·9)	12·7 (11·3-14·2)	5·8 (4·5-7·1)	18·3 (16·4-20·4)
Syria	8·6 (7·0-10·5)	19·2 (17·2-21·3)	14·5 (11·6-17·9)	33·6 (30·7-36·6)	9·2 (7·3-11·2)	20·0 (18·1-22·0)	15·1 (12·1-18·2)	34·7 (31·7-37·9)	11·3 (9·4-13·5)	21·6 (19·4-23·8)	14·9 (12·1-18·1)	36·7 (33·9-39·6)	13·9 (11·5-16·5)	24·2 (21·8-26·6)	15·4 (12·5-18·6)	39·9 (36·8-43·0)
Tunisia	2·7 (2·1-3·4)	10·6 (9·4-11·9)	3·4 (2·7-4·2)	9·3 (8·2-10·4)	3·2 (2·6-4·0)	12·3 (10·9-13·8)	3·9 (3·1-5·0)	10·8 (9·6-12·1)	3·6 (2·9-4·5)	13·7 (12·1-15·3)	4·1 (3·2-5·1)	11·7 (10·4-13·1)	4·2 (3·4-5·2)	15·3 (13·7-16·9)	4·2 (3·3-5·2)	12·8 (11·3-14·3)
Turkey	5·1 (4·1-6·4)	16·7 (15·0-18·5)	4·3 (3·4-5·5)	28·3 (25·7-30·9)	6·1 (4·8-7·5)	19·2 (17·4-21·2)	5·1 (4·0-6·3)	31·7 (29·3-34·3)	6·3 (5·2-7·6)	19·0 (17·5-20·8)	4·9 (3·9-5·9)	32·6 (30·8-34·4)	7·1 (5·7-8·7)	20·1 (18·7-21·3)	5·7 (4·5-7·0)	34·1 (32·4-35·8)
United Arab Emirates	9·2 (7·4-11·2)	24·9 (22·5-27·5)	8·7 (6·8-11·0)	30·6 (27·7-33·7)	9·5 (7·7-11·4)	25·9 (23·5-28·7)	8·9 (7·1-11·0)	31·6 (28·6-34·6)	10·2 (8·8-11·6)	25·7 (23·3-28·3)	9·8 (8·5-11·2)	31·4 (28·8-34·1)	12·2 (9·8-14·7)	27·1 (24·5-30·0)	12·6 (10·0-15·7)	33·2 (30·2-36·3)
Yemen	1·5 (1·2-1·9)	3·7 (3·2-4·2)	7·5 (5·8-9·5)	22·4 (20·2-24·8)	1·6 (1·3-2·0)	3·8 (3·3-4·3)	7·7 (6·2-9·5)	23·0 (20·7-25·4)	1·6 (1·3-2·0)	3·9 (3·4-4·4)	7·8 (6·3-9·6)	23·3 (21·0-25·8)	1·7 (1·4-2·1)	4·1 (3·7-4·7)	8·3 (6·5-10·3)	24·7 (22·2-27·2)
Oceania	3·9 (3·5-4·4)	10·4 (9·8-11·0)	6·1 (5·5-6·8)	19·0 (18·0-20·1)	3·9 (3·5-4·3)	10·5 (9·9-11·1)	6·1 (5·5-6·8)	19·3 (18·3-20·5)	4·0 (3·6-4·5)	10·9 (10·3-11·5)	6·2 (5·5-6·9)	19·5 (18·6-20·5)	4·3 (3·8-4·8)	11·4 (10·8-12·1)	6·4 (5·7-7·2)	20·0 (19·1-21·2)
Federated States of Micronesia	12·8 (10·4-15·6)	26·1 (23·7-28·5)	26·8 (22·4-31·2)	49·2 (45·9-52·6)	13·2 (10·9-16·0)	27·0 (24·5-29·5)	27·7 (23·2-33·1)	50·4 (47·1-53·6)	13·1 (10·6-16·1)	27·9 (26·0-30·0)	28·4 (24·0-33·2)	52·3 (49·7-54·7)	14·5 (11·9-17·5)	31·3 (28·9-33·9)	32·4 (27·6-37·7)	57·9 (54·9-61·3)
Fiji	1·9 (1·5-2·4)	10·8 (9·6-12·1)	5·6 (4·4-7·0)	27·7 (25·0-30·4)	2·2 (1·7-2·7)	11·9 (10·6-13·2)	6·2 (4·9-7·7)	30·1 (27·4-33·1)	2·7 (2·2-3·4)	13·1 (12·0-14·2)	6·5 (5·2-7·9)	32·8 (30·9-34·7)	3·3 (2·7-4·1)	14·8 (13·3-16·5)	6·9 (5·6-8·7)	35·4 (32·6-38·8)
Kiribati	21·1 (17·5-25·0)	35·9 (33·0-38·5)	33·7 (28·7-39·1)	51·6 (48·4-55·2)	19·9 (16·8-23·7)	34·3 (31·4-37·2)	32·3 (27·3-37·3)	50·6 (47·1-53·9)	20·9 (17·3-24·3)	36·6 (34·0-39·1)	33·4 (28·2-39·3)	53·2 (50·3-56·0)	22·9 (19·1-26·9)	39·3 (36·3-42·3)	36·0 (30·7-41·4)	55·5 (52·4-58·6)
Marshall Islands	4·7 (3·8-5·7)	21·6 (19·6-24·0)	6·9 (5·5-8·6)	34·9 (31·7-37·9)	5·2 (4·3-6·4)	23·8 (21·4-26·3)	7·7 (6·1-9·5)	37·9 (34·8-40·9)	7·0 (5·7-8·5)	30·6 (28·8-32·4)	10·5 (8·6-12·7)	47·4 (45·3-49·4)	7·6 (6·0-9·4)	31·9 (29·4-34·4)	11·4 (9·1-13·9)	49·1 (45·9-52·0)
Papua New Guinea	2·6 (2·1-3·2)	6·2 (5·4-7·0)	3·5 (2·8-4·4)	11·1 (9·9-12·6)	2·6 (2·1-3·2)	6·3 (5·5-7·1)	3·6 (2·9-4·4)	11·4 (10·1-13·0)	2·7 (2·2-3·3)	6·5 (5·7-7·3)	3·7 (2·9-4·6)	11·6 (10·3-13·0)	2·9 (2·3-3·6)	7·0 (6·3-7·9)	3·9 (3·1-4·9)	12·4 (11·1-13·8)
Samoa	18·1 (14·7-21·5)	37·0 (34·2-39·9)	23·4 (19·3-27·8)	61·8 (58·7-64·8)	19·2 (16·0-22·7)	38·9 (36·0-42·0)	24·8 (20·7-29·5)	63·7 (60·6-66·8)	20·6 (17·3-24·4)	42·3 (40·3-44·3)	26·3 (21·8-31·2)	66·6 (64·6-68·6)	23·7 (20·1-27·5)	45·9 (42·9-49·1)	29·6 (24·9-34·5)	69·1 (66·2-72·0)

Country/Region	Males, 1980		Females, 1980		Males, 1990		Females, 1990		Males, 2000		Females, 2000		Males, 2013		Females, 2013	
	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20
Solomon Islands	8·2 (6·6-9·9)	21·1 (19·1-23·4)	15·6 (12·7-19·1)	33·4 (30·3-36·6)	8·3 (6·6-10·1)	21·3 (19·4-23·6)	15·9 (13·0-19·2)	34·0 (30·8-37·0)	8·9 (7·1-10·8)	23·1 (21·0-25·2)	16·8 (13·8-20·0)	36·5 (33·6-39·2)	9·6 (7·9-11·7)	24·7 (22·4-27·0)	18·0 (14·7-21·9)	38·4 (35·2-41·6)
Tonga	6·5 (5·2-8·1)	43·7 (40·6-46·6)	10·0 (8·0-12·1)	59·5 (56·3-62·4)	7·3 (5·9-8·9)	46·4 (43·4-49·6)	10·9 (8·9-13·5)	62·1 (59·3-64·9)	7·9 (6·3-9·6)	50·1 (47·4-52·8)	12·1 (10·0-14·8)	65·5 (63·1-67·9)	8·3 (6·6-10·2)	52·4 (49·7-55·2)	14·0 (11·3-16·9)	67·2 (64·5-69·9)
Vanuatu	4·5 (3·6-5·5)	12·0 (10·5-13·6)	6·2 (4·9-7·6)	19·6 (17·6-21·5)	4·5 (3·7-5·5)	12·1 (10·7-13·6)	5·9 (4·7-7·3)	19·8 (17·8-21·8)	4·7 (3·9-5·8)	12·5 (11·1-14·1)	5·2 (4·0-6·6)	20·6 (18·5-22·6)	5·2 (4·3-6·4)	13·4 (12·3-14·5)	5·6 (4·4-7·0)	22·0 (20·4-23·6)
South Asia	2·5 (2·1-2·9)	3·5 (3·3-3·9)	2·5 (2·1-3·0)	3·8 (3·5-4·2)	2·7 (2·3-3·1)	3·8 (3·5-4·2)	2·8 (2·3-3·3)	4·1 (3·8-4·5)	2·5 (2·2-3·0)	4·2 (3·9-4·6)	2·6 (2·2-3·1)	4·6 (4·3-4·9)	2·5 (2·2-2·9)	4·8 (4·5-5·2)	2·6 (2·2-3·0)	5·2 (4·8-5·7)
Afghanistan	5·6 (4·5-7·0)	12·5 (11·2-14·0)	3·7 (2·9-4·6)	12·0 (10·6-13·7)	6·1 (4·9-7·6)	13·5 (12·0-15·0)	4·0 (3·1-5·0)	13·0 (11·4-14·7)	6·5 (5·2-7·9)	14·2 (12·7-15·9)	4·2 (3·3-5·3)	13·6 (12·1-15·1)	6·8 (5·4-8·3)	14·8 (13·2-16·6)	4·4 (3·5-5·5)	13·8 (12·5-15·3)
Bangladesh	1·5 (1·2-1·9)	2·0 (1·7-2·2)	1·6 (1·3-2·1)	1·8 (1·6-2·1)	1·7 (1·3-2·0)	2·2 (1·9-2·4)	1·8 (1·4-2·2)	2·0 (1·7-2·3)	1·4 (1·1-1·7)	2·8 (2·4-3·1)	1·5 (1·2-1·9)	2·6 (2·3-2·9)	1·5 (1·2-1·8)	3·4 (3·1-3·8)	1·5 (1·1-1·9)	3·8 (3·4-4·2)
Bhutan	4·5 (3·6-5·7)	9·4 (8·3-10·5)	5·0 (3·9-6·2)	14·5 (12·9-16·2)	4·8 (3·8-5·9)	9·9 (8·8-11·2)	5·3 (4·3-6·6)	15·3 (13·6-17·1)	5·0 (4·1-6·2)	10·8 (9·6-12·2)	5·6 (4·4-6·9)	16·3 (14·6-18·1)	5·5 (4·5-6·8)	11·9 (10·6-13·4)	6·1 (4·9-7·6)	17·5 (15·7-19·5)
India	2·4 (1·9-2·9)	2·7 (2·4-3·1)	2·5 (1·9-3·1)	3·3 (2·8-3·8)	2·6 (2·1-3·2)	3·0 (2·7-3·5)	2·7 (2·2-3·5)	3·6 (3·2-4·1)	2·5 (2·0-3·0)	3·3 (2·9-3·7)	2·6 (2·0-3·2)	3·9 (3·5-4·3)	2·3 (1·8-2·8)	3·7 (3·3-4·1)	2·5 (1·9-3·1)	4·2 (3·8-4·8)
Nepal	1·2 (1·0-1·5)	1·4 (1·2-1·6)	1·1 (0·8-1·4)	1·6 (1·4-1·9)	1·4 (1·1-1·8)	1·7 (1·5-2·0)	1·3 (1·0-1·6)	1·9 (1·7-2·2)	1·5 (1·2-1·9)	1·9 (1·6-2·2)	1·5 (1·1-1·8)	2·1 (1·8-2·4)	1·7 (1·4-2·2)	2·2 (1·9-2·5)	1·8 (1·4-2·2)	2·7 (2·4-3·1)
Pakistan	3·8 (3·1-4·6)	11·6 (10·2-12·9)	4·1 (3·2-5·3)	10·3 (9·2-11·7)	3·8 (3·1-4·7)	11·8 (10·5-13·3)	4·1 (3·3-5·2)	10·6 (9·3-11·9)	3·5 (2·8-4·4)	12·9 (11·4-14·4)	3·3 (2·6-4·2)	11·8 (10·4-13·3)	4·1 (3·3-5·1)	14·4 (12·9-16·0)	3·8 (3·1-4·6)	14·3 (13·0-15·7)
Southeast Asia	2·9 (2·6-3·3)	2·5 (2·4-2·7)	2·9 (2·5-3·3)	4·0 (3·7-4·2)	3·2 (2·8-3·6)	2·7 (2·5-2·8)	3·0 (2·6-3·5)	4·2 (3·9-4·4)	3·8 (3·3-4·3)	3·4 (3·2-3·6)	3·6 (3·1-4·1)	5·5 (5·3-5·8)	4·6 (4·0-5·3)	4·8 (4·6-5·1)	4·3 (3·7-5·0)	7·6 (7·2-8·0)
Cambodia	1·7 (1·3-2·1)	1·0 (0·9-1·1)	1·7 (1·3-2·2)	1·8 (1·5-2·0)	1·8 (1·4-2·2)	1·0 (0·9-1·2)	1·8 (1·4-2·3)	1·8 (1·6-2·1)	1·7 (1·4-2·1)	1·1 (0·9-1·2)	1·7 (1·4-2·2)	2·2 (2·0-2·5)	1·7 (1·4-2·1)	1·3 (1·1-1·4)	1·7 (1·3-2·1)	2·9 (2·6-3·2)
Indonesia	2·8 (3·1-4·8)	2·0 (1·8-2·3)	3·2 (2·5-4·2)	3·3 (2·9-3·9)	3·3 (3·6-5·6)	2·3 (2·0-2·6)	3·7 (2·9-4·8)	3·6 (3·2-4·2)	3·9 (4·5-7·0)	3·1 (2·8-3·5)	4·9 (3·8-6·4)	5·0 (4·4-5·5)	6·0 (5·3-8·2)	5·4 (4·9-6·1)	6·0 (4·8-7·6)	8·3 (7·4-9·4)
Laos	2·1 (1·7-2·6)	4·1 (3·6-4·6)	2·3 (1·8-2·9)	4·4 (3·7-5·0)	2·1 (1·7-2·6)	4·2 (3·6-4·7)	2·3 (1·8-2·9)	4·5 (3·9-5·1)	2·1 (1·7-2·6)	4·6 (4·0-5·2)	2·2 (1·7-2·7)	5·0 (4·3-5·7)	1·8 (1·4-2·2)	5·4 (4·7-6·1)	1·7 (1·4-2·2)	5·9 (5·2-6·7)

Country/Region	Males, 1980		Females, 1980		Males, 1990		Females, 1990		Males, 2000		Females, 2000		Males, 2013		Females, 2013	
	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20
Malaysia	6·8 (5·4-8·3)	8·2 (7·2-9·2)	5·7 (4·5-7·2)	12·6 (11·1-14·2)	7·0 (5·6-8·5)	8·5 (7·5-9·7)	5·9 (4·6-7·3)	13·1 (11·7-14·6)	7·8 (6·4-9·5)	9·8 (9·0-10·5)	6·4 (5·1-8·1)	15·1 (14·0-16·2)	8·8 (7·1-10·7)	11·4 (10·2-12·8)	7·2 (5·8-9·0)	16·7 (15·0-18·6)
Maldives	2·7 (2·2-3·3)	5·6 (4·9-6·4)	3·1 (2·4-3·8)	12·4 (11·0-14·0)	3·1 (2·5-3·8)	6·4 (5·7-7·2)	3·5 (2·7-4·3)	13·8 (12·2-15·6)	3·4 (2·7-4·1)	7·1 (6·3-8·0)	3·7 (3·0-4·6)	15·3 (13·6-17·1)	3·8 (3·1-4·7)	8·1 (7·2-9·1)	4·2 (3·3-5·1)	17·0 (15·3-18·8)
Myanmar	1·8 (1·4-2·2)	3·6 (3·2-4·0)	2·7 (2·1-3·4)	6·8 (6·0-7·8)	1·7 (1·3-2·1)	3·4 (3·0-3·9)	2·6 (2·1-3·2)	6·6 (5·8-7·5)	1·7 (1·4-2·1)	3·7 (3·3-4·2)	2·6 (2·1-3·2)	7·2 (6·3-8·1)	1·9 (1·5-2·4)	4·5 (4·0-5·0)	2·8 (2·2-3·5)	8·4 (7·6-9·2)
Philippines	1·7 (1·4-2·2)	2·8 (2·5-3·2)	1·5 (1·2-1·9)	3·8 (3·3-4·3)	1·9 (1·4-2·3)	3·0 (2·6-3·4)	1·6 (1·3-2·1)	4·0 (3·5-4·5)	2·1 (1·7-2·7)	3·4 (3·0-3·8)	1·9 (1·4-2·4)	4·9 (4·4-5·5)	2·6 (2·1-3·2)	4·1 (3·6-4·7)	2·1 (1·6-2·7)	6·2 (5·5-7·0)
Sri Lanka	1·6 (1·3-1·9)	2·2 (1·9-2·6)	2·1 (1·7-2·7)	5·3 (4·6-6·1)	1·5 (1·2-1·9)	2·2 (1·9-2·5)	2·1 (1·6-2·6)	5·2 (4·6-5·9)	1·7 (1·3-2·1)	2·6 (2·3-3·0)	2·1 (1·6-2·6)	6·1 (5·4-6·7)	1·9 (1·5-2·4)	3·3 (2·9-3·8)	2·2 (1·8-2·7)	7·0 (6·2-7·8)
Thailand	3·4 (2·7-4·2)	3·3 (2·9-3·8)	4·3 (3·4-5·3)	4·8 (4·2-5·5)	3·4 (2·8-4·2)	3·4 (3·0-3·8)	4·2 (3·3-5·2)	5·1 (4·5-5·8)	4·4 (3·6-5·3)	4·6 (4·2-5·1)	4·6 (3·7-5·7)	8·6 (7·7-9·6)	4·9 (4·0-6·0)	6·5 (5·8-7·2)	5·6 (4·3-6·9)	11·2 (10·0-12·4)
Timor-Leste	3·6 (2·9-4·4)	3·0 (6·6-8·4)	3·7 (2·9-4·7)	1·4 (1·2-1·6)	3·6 (2·9-4·5)	3·0 (6·5-8·4)	3·7 (2·9-4·7)	1·4 (1·2-1·6)	3·6 (2·9-4·4)	3·0 (6·6-8·5)	3·6 (2·8-4·6)	1·4 (1·2-1·6)	3·8 (3·1-4·6)	3·2 (7·2-9·1)	3·8 (3·1-4·8)	1·5 (1·3-1·7)
Vietnam	1·4 (1·1-1·8)	0·9 (0·7-1·0)	1·6 (1·3-2·0)	1·1 (1·0-1·3)	1·5 (1·2-1·9)	0·9 (0·8-1·0)	1·7 (1·3-2·1)	1·2 (1·0-1·4)	1·9 (1·5-2·3)	1·1 (1·0-1·3)	2·0 (1·6-2·4)	1·3 (1·1-1·6)	2·5 (2·0-3·1)	1·5 (1·3-1·7)	2·5 (2·0-3·2)	1·7 (1·4-1·9)
Southern Latin America	8·7 (7·5-10·2)	21·5 (20·0-23·1)	7·3 (6·2-8·4)	22·8 (21·1-24·5)	8·4 (7·2-9·7)	20·6 (19·0-22·1)	7·0 (5·9-8·1)	22·1 (20·7-23·8)	9·5 (8·2-11·0)	21·8 (20·3-23·4)	8·0 (6·9-9·2)	23·7 (22·0-25·3)	10·1 (8·6-11·7)	21·6 (20·0-23·1)	8·8 (7·6-10·2)	23·6 (22·1-25·3)
Argentina	9·0 (7·3-11·0)	22·5 (20·4-24·8)	6·8 (5·4-8·4)	21·7 (19·5-24·1)	8·6 (7·0-10·4)	21·5 (19·2-23·8)	6·5 (5·2-8·0)	20·8 (18·8-23·2)	9·5 (7·7-11·6)	22·4 (20·2-24·7)	7·0 (5·6-8·6)	21·6 (19·4-23·8)	9·4 (7·5-11·6)	21·2 (19·1-23·3)	6·8 (5·3-8·5)	20·4 (18·3-22·6)
Chile	7·9 (6·3-9·6)	18·5 (16·7-20·3)	6·3 (5·0-7·9)	25·5 (23·0-28·1)	7·8 (6·4-9·5)	18·4 (16·6-20·3)	6·3 (5·0-7·8)	25·6 (23·2-28·1)	9·6 (7·8-11·8)	20·4 (18·7-22·1)	8·7 (6·9-10·9)	28·3 (26·2-30·7)	11·9 (9·6-14·3)	22·0 (20·1-24·1)	12·4 (10·0-15·1)	30·3 (27·9-32·9)
Uruguay	9·2 (7·6-11·4)	22·5 (20·3-24·9)	17·3 (14·1-21·1)	24·7 (22·5-27·2)	8·6 (7·0-10·6)	21·2 (19·0-23·4)	16·3 (13·2-19·8)	23·3 (21·1-25·6)	9·4 (7·8-11·3)	22·7 (20·4-25·0)	17·5 (14·3-20·8)	24·7 (22·4-27·3)	9·7 (7·8-11·8)	23·3 (21·1-25·6)	18·1 (14·9-21·9)	25·4 (23·0-27·9)
Southern Sub-Saharan Africa	4·4 (3·7-5·3)	10·6 (9·6-11·8)	5·5 (4·5-6·5)	26·9 (24·8-29·2)	4·7 (4·0-5·5)	10·4 (9·5-11·4)	5·8 (5·0-6·8)	27·0 (25·0-28·9)	4·6 (4·1-5·2)	10·5 (9·7-11·2)	6·0 (5·4-6·6)	29·0 (27·8-30·3)	5·6 (4·9-6·4)	11·7 (10·9-12·4)	7·4 (6·7-8·1)	37·0 (35·9-38·1)
Botswana	1·6 (1·3-2·0)	5·2 (4·6-5·9)	6·5 (5·2-8·0)	21·4 (19·2-23·8)	1·7 (1·4-2·2)	5·7 (5·0-6·4)	7·0 (5·6-8·8)	22·8 (20·3-25·3)	1·7 (1·4-2·1)	5·6 (4·9-6·3)	6·9 (5·5-8·6)	23·1 (20·9-25·4)	1·8 (1·4-2·2)	5·8 (5·2-6·4)	7·2 (5·8-8·9)	24·1 (22·0-26·3)

Country/Region	Males, 1980		Females, 1980		Males, 1990		Females, 1990		Males, 2000		Females, 2000		Males, 2013		Females, 2013	
	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20
Lesotho	8·7 (7·1-10·7)	4·7 (4·2-5·4)	8·0 (6·2-10·2)	25·0 (22·5-27·4)	8·9 (7·3-10·9)	4·9 (4·3-5·6)	8·7 (6·9-10·6)	25·7 (23·3-28·4)	6·5 (5·3-7·9)	5·9 (5·2-6·7)	8·2 (6·8-9·8)	27·7 (25·6-29·9)	4·0 (3·2-4·9)	6·9 (6·2-7·6)	5·7 (4·6-7·0)	31·3 (29·7-32·8)
Namibia	2·5 (2·0-3·0)	5·6 (5·0-6·4)	2·4 (1·9-3·0)	12·1 (10·6-13·5)	2·3 (1·9-2·8)	5·4 (4·7-6·1)	2·3 (1·8-2·8)	11·7 (10·5-12·9)	2·4 (1·9-2·9)	5·5 (4·8-6·2)	2·1 (1·7-2·7)	16·7 (15·1-18·5)	2·6 (2·1-3·2)	6·0 (5·3-6·7)	2·3 (1·8-3·0)	19·8 (17·9-21·9)
South Africa	4·9 (3·8-6·2)	12·7 (11·3-14·2)	6·2 (4·9-7·7)	30·2 (27·4-33·1)	5·3 (4·3-6·6)	12·6 (11·3-14·0)	6·8 (5·5-8·3)	30·8 (28·1-33·5)	4·9 (4·2-5·8)	12·4 (11·5-13·4)	6·9 (6·1-7·9)	32·6 (31·2-34·2)	7·0 (6·0-8·2)	13·5 (12·6-14·5)	9·6 (8·5-10·7)	42·0 (40·6-43·3)
Swaziland	5·3 (4·1-6·6)	10·9 (9·6-12·1)	6·9 (5·4-8·6)	33·7 (31·0-36·7)	5·3 (4·1-6·5)	10·8 (9·6-12·1)	6·8 (5·5-8·4)	33·5 (30·8-36·5)	4·5 (3·6-5·4)	10·8 (9·7-12·1)	6·5 (5·4-7·9)	34·1 (31·6-36·5)	3·3 (2·7-4·1)	10·9 (9·8-12·2)	5·8 (4·7-7·2)	33·5 (31·0-35·9)
Zimbabwe	3·0 (2·4-3·7)	4·0 (3·5-4·5)	2·8 (2·1-3·5)	14·0 (12·4-15·8)	3·0 (2·4-3·7)	3·6 (3·2-4·1)	2·7 (2·1-3·3)	13·0 (11·4-14·5)	4·2 (3·4-5·0)	3·7 (3·3-4·2)	3·4 (2·7-4·1)	14·4 (13·1-15·7)	3·0 (2·4-3·7)	4·2 (3·7-4·7)	2·6 (2·0-3·2)	17·4 (15·8-19·2)
Tropical Latin America	2·8 (2·2-3·4)	7·5 (6·7-8·4)	3·2 (2·6-4·1)	13·9 (12·4-15·4)	3·2 (2·6-3·9)	7·7 (6·9-8·5)	3·6 (2·9-4·4)	14·2 (12·8-15·6)	5·5 (4·9-6·2)	9·1 (8·5-9·7)	5·6 (5·0-6·3)	14·7 (13·9-15·5)	6·8 (5·4-8·3)	11·9 (10·8-13·3)	7·5 (6·0-9·3)	20·9 (18·9-22·9)
Brazil	2·8 (2·2-3·4)	7·2 (6·4-8·2)	3·3 (2·6-4·2)	13·6 (12·0-15·1)	3·2 (2·5-3·9)	7·4 (6·6-8·3)	3·6 (2·9-4·5)	13·8 (12·4-15·3)	5·5 (4·9-6·3)	8·8 (8·2-9·4)	5·7 (5·1-6·4)	14·3 (13·6-15·1)	6·8 (5·4-8·4)	11·7 (10·4-13·0)	7·6 (6·1-9·4)	20·6 (18·6-22·8)
Paraguay	3·4 (2·8-4·3)	18·8 (17·0-20·7)	2·3 (1·8-2·9)	27·1 (24·6-29·7)	3·6 (3·0-4·4)	19·1 (17·2-21·2)	2·5 (1·9-3·2)	27·5 (25·0-30·1)	5·7 (4·6-7·1)	20·8 (18·8-22·8)	4·7 (3·7-6·0)	29·6 (27·1-32·4)	6·8 (5·4-8·3)	21·2 (19·2-23·3)	6·3 (4·9-7·9)	30·5 (28·2-33·2)
Western Europe	5·5 (5·1-6·0)	14·5 (13·9-15·1)	5·1 (4·8-5·6)	15·5 (14·9-16·1)	5·8 (5·4-6·2)	15·8 (15·2-16·4)	5·3 (5·0-5·7)	16·8 (16·2-17·4)	6·4 (6·0-6·7)	18·8 (18·3-19·4)	5·8 (5·5-6·1)	19·6 (19·1-20·1)	7·2 (6·7-7·6)	20·5 (19·9-21·1)	6·4 (6·0-6·8)	21·0 (20·4-21·7)
Andorra	7·1 (5·7-8·7)	5·8 (5·1-6·6)	7·7 (6·0-9·7)	6·6 (5·9-7·5)	7·7 (6·3-9·8)	6·3 (5·6-7·1)	8·3 (6·4-10·4)	7·0 (6·2-7·9)	8·9 (7·2-10·9)	9·0 (8·0-10·2)	9·4 (7·5-11·7)	7·6 (6·7-8·5)	9·3 (7·5-11·4)	10·6 (9·6-11·9)	9·5 (7·3-12·0)	7·2 (6·3-8·1)
Austria	7·1 (5·9-8·7)	10·2 (9·2-11·4)	6·0 (4·6-7·4)	13·5 (12·0-15·0)	8·1 (6·5-9·9)	11·9 (10·7-13·2)	6·7 (5·3-8·3)	14·7 (13·3-16·4)	9·5 (7·8-11·7)	17·0 (15·3-18·7)	7·5 (6·0-9·4)	16·9 (15·1-18·7)	10·3 (8·4-12·5)	18·4 (16·6-20·3)	7·8 (6·3-9·7)	17·4 (15·6-19·4)
Belgium	4·7 (3·8-6·0)	14·3 (12·8-15·9)	5·0 (3·9-6·2)	16·0 (14·3-17·8)	5·0 (4·0-6·1)	15·9 (14·3-17·7)	5·2 (4·0-6·4)	17·8 (15·8-19·9)	4·8 (3·8-5·9)	19·0 (17·3-21·2)	4·5 (3·6-5·6)	21·0 (18·7-23·3)	4·6 (3·7-5·5)	20·1 (18·0-22·1)	4·2 (3·3-5·1)	21·7 (19·5-24·1)
Cyprus	6·9 (5·5-8·6)	20·5 (18·6-22·6)	6·1 (4·8-7·6)	20·8 (18·7-23·1)	7·8 (6·1-9·6)	22·5 (20·1-24·6)	6·8 (5·4-8·6)	22·7 (20·4-25·0)	7·8 (6·2-9·7)	23·1 (20·8-25·4)	7·0 (5·5-8·7)	23·3 (20·9-25·6)	8·0 (6·5-9·9)	24·0 (21·8-26·5)	7·4 (5·9-9·2)	24·1 (21·7-26·6)
Denmark	5·9 (4·8-7·3)	13·3 (11·9-14·9)	3·9 (3·1-4·9)	12·7 (11·2-14·1)	6·6 (5·4-8·1)	14·6 (13·1-16·2)	4·3 (3·4-5·3)	13·8 (12·3-15·4)	8·0 (6·5-9·7)	18·2 (16·3-20·0)	5·1 (4·0-6·3)	17·6 (15·8-19·7)	8·7 (7·1-10·7)	19·6 (17·7-21·9)	5·9 (4·7-7·5)	19·9 (17·7-22·0)

Country/Region	Males, 1980		Females, 1980		Males, 1990		Females, 1990		Males, 2000		Females, 2000		Males, 2013		Females, 2013	
	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20
Finland	6·0 (4·7-7·4)	15·0 (13·6-16·7)	4·3 (3·4-5·5)	16·7 (14·9-18·6)	6·2 (4·9-7·7)	16·2 (14·5-17·8)	4·5 (3·6-5·6)	17·4 (15·6-19·2)	6·8 (5·6-8·2)	18·3 (16·7-19·8)	5·0 (3·9-6·3)	19·1 (17·6-20·7)	9·2 (7·5-11·2)	20·9 (18·9-23·2)	6·6 (5·2-8·1)	22·3 (20·3-24·6)
France	5·0 (4·0-6·1)	14·9 (13·2-16·6)	4·0 (3·2-5·0)	13·4 (11·9-15·0)	5·4 (4·4-6·6)	16·4 (14·7-18·2)	4·3 (3·4-5·4)	15·0 (13·4-17·0)	5·5 (4·7-6·6)	18·5 (16·8-20·4)	4·4 (3·6-5·4)	18·3 (16·6-20·3)	5·8 (4·7-7·0)	19·3 (17·4-21·4)	4·7 (3·8-5·9)	19·7 (17·7-21·7)
Germany	4·4 (3·5-5·5)	15·9 (14·2-17·6)	4·2 (3·4-5·2)	17·2 (15·4-19·3)	4·5 (3·6-5·4)	17·3 (15·6-19·1)	4·3 (3·5-5·2)	18·7 (16·8-20·7)	4·9 (4·1-5·9)	19·7 (18·3-21·1)	4·7 (3·9-5·7)	20·8 (19·3-22·3)	5·5 (4·5-6·7)	21·9 (20·2-23·8)	5·3 (4·2-6·5)	22·5 (20·5-24·7)
Greece	5·9 (4·8-7·2)	15·3 (13·5-17·0)	5·2 (4·2-6·6)	16·1 (14·5-17·9)	7·3 (6·0-8·8)	17·3 (15·6-19·0)	6·1 (4·9-7·6)	17·2 (15·5-19·1)	9·6 (8·6-10·7)	19·2 (17·7-20·7)	7·3 (6·4-8·4)	17·2 (15·6-18·7)	10·5 (8·7-12·3)	19·1 (17·4-21·1)	7·9 (6·5-9·6)	19·4 (17·6-21·4)
Iceland	7·3 (5·9-9·1)	20·9 (18·8-23·0)	5·3 (4·2-6·7)	22·0 (19·8-24·3)	7·4 (6·0-9·1)	21·1 (19·0-23·4)	5·4 (4·2-6·6)	22·3 (20·0-24·6)	8·1 (6·4-9·9)	23·5 (21·3-26·0)	6·1 (4·8-7·5)	25·0 (22·5-27·6)	9·6 (7·9-11·6)	26·9 (24·4-29·7)	7·6 (6·1-9·4)	28·8 (26·0-31·5)
Ireland	5·7 (4·6-7·1)	13·9 (12·4-15·3)	6·5 (5·1-8·1)	15·5 (13·8-17·4)	5·8 (4·7-7·0)	15·0 (13·6-16·5)	6·7 (5·3-8·3)	16·5 (14·8-18·2)	6·3 (5·4-7·5)	20·9 (19·0-22·9)	7·2 (6·0-8·5)	20·9 (18·9-23·0)	6·9 (5·7-8·3)	22·9 (20·8-25·0)	7·2 (5·8-8·8)	22·5 (20·4-24·7)
Israel	9·1 (7·3-11·3)	15·6 (14·0-17·2)	6·3 (5·1-7·8)	18·7 (16·8-20·9)	10·5 (8·5-12·7)	17·6 (15·8-19·4)	7·2 (5·7-9·1)	21·2 (19·2-23·3)	12·9 (10·6-15·5)	20·1 (18·6-21·6)	9·1 (7·1-11·2)	24·6 (22·8-26·3)	13·9 (11·4-16·7)	21·4 (19·4-23·5)	11·3 (9·1-13·8)	24·8 (22·5-27·0)
Italy	7·8 (6·4-9·6)	15·3 (13·8-17·0)	6·4 (5·0-8·0)	14·4 (12·9-16·1)	7·9 (6·4-9·7)	15·8 (14·2-17·6)	6·5 (5·2-8·1)	14·9 (13·3-16·5)	8·1 (6·8-9·5)	17·6 (15·9-19·4)	6·4 (5·3-7·6)	17·3 (15·6-19·1)	8·4 (7·0-10·0)	18·6 (16·9-20·4)	6·2 (5·0-7·6)	17·7 (15·9-19·5)
Luxembourg	6·0 (4·8-7·3)	15·9 (14·4-17·6)	10·2 (8·1-12·6)	18·2 (16·3-20·6)	6·8 (5·4-8·3)	18·0 (16·1-19·9)	11·6 (9·2-14·2)	20·2 (18·2-22·4)	9·2 (7·5-11·2)	21·7 (19·5-24·0)	12·8 (10·3-15·5)	23·3 (21·1-25·7)	11·1 (9·2-13·5)	23·7 (21·3-26·3)	13·5 (10·9-16·4)	26·0 (23·6-28·7)
Malta	13·1 (10·6-16·1)	24·8 (22·3-27·4)	5·9 (4·6-7·4)	22·4 (20·2-24·7)	13·0 (10·7-15·8)	25·0 (22·6-27·4)	6·0 (4·7-7·6)	22·6 (20·5-25·1)	13·3 (10·9-16·0)	27·7 (25·2-30·3)	7·2 (5·8-8·7)	25·6 (23·1-28·1)	12·5 (10·3-14·9)	29·0 (26·4-31·6)	7·9 (6·3-9·6)	27·5 (24·9-30·1)
Netherlands	3·4 (2·7-4·2)	10·8 (9·6-12·1)	4·2 (3·3-5·2)	14·0 (12·5-15·6)	3·9 (3·1-4·7)	11·5 (10·2-12·7)	4·4 (3·4-5·5)	14·8 (13·2-16·5)	3·7 (3·0-4·6)	10·0 (9·3-10·7)	3·8 (3·0-4·8)	12·5 (11·6-13·3)	4·1 (3·4-5·0)	12·7 (11·6-14·0)	3·8 (3·0-4·7)	15·9 (14·4-17·4)
Norway	5·3 (4·3-6·5)	14·0 (12·3-15·7)	4·0 (3·2-5·0)	13·5 (12·0-15·1)	5·5 (4·5-6·8)	14·5 (12·8-16·2)	4·2 (3·3-5·3)	14·2 (12·6-15·8)	5·3 (4·2-6·5)	16·7 (14·8-18·4)	4·2 (3·3-5·2)	16·4 (14·4-18·3)	5·1 (4·1-6·3)	19·1 (17·1-21·4)	4·0 (3·1-5·0)	18·0 (16·1-20·0)
Portugal	6·8 (5·5-8·2)	14·1 (12·7-15·9)	6·9 (5·4-8·6)	16·4 (14·5-18·3)	8·5 (7·0-10·5)	17·3 (15·4-19·1)	8·5 (6·7-10·6)	19·6 (17·6-21·8)	9·3 (7·6-11·0)	19·0 (17·2-21·0)	10·0 (8·2-12·2)	21·5 (19·4-23·9)	8·9 (7·4-10·9)	20·9 (19·0-23·1)	10·6 (8·5-12·9)	23·4 (21·0-25·9)
Spain	5·7 (4·5-7·0)	13·8 (12·4-15·2)	5·5 (4·4-6·8)	15·8 (14·1-17·6)	6·9 (5·6-8·4)	17·4 (16·1-18·7)	6·3 (5·0-7·8)	19·3 (17·7-20·8)	8·5 (7·1-10·1)	22·1 (20·7-23·3)	7·1 (5·8-8·8)	23·2 (21·8-24·8)	8·4 (6·7-10·2)	20·2 (18·5-22·1)	7·6 (6·0-9·3)	20·9 (19·0-23·1)

Country/Region	Males, 1980		Females, 1980		Males, 1990		Females, 1990		Males, 2000		Females, 2000		Males, 2013		Females, 2013	
	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20
Sweden	3·0 (2·5-3·6)	14·4 (12·7-16·0)	3·4 (2·8-4·1)	15·5 (14·0-17·2)	3·0 (2·4-3·7)	14·9 (13·3-16·6)	3·9 (3·1-4·9)	16·1 (14·4-18·0)	3·6 (3·0-4·3)	17·3 (15·4-19·0)	4·0 (3·3-4·8)	18·4 (16·5-20·4)	4·3 (3·6-5·3)	18·9 (17·0-21·0)	4·0 (3·2-5·0)	19·8 (17·7-21·9)
Switzerland	6·0 (4·9-7·3)	15·2 (13·6-16·9)	4·5 (3·6-5·7)	14·3 (12·6-16·0)	5·8 (4·6-7·0)	15·0 (13·4-16·5)	4·5 (3·5-5·5)	14·1 (12·6-15·7)	5·7 (4·6-7·0)	16·3 (14·6-18·0)	4·7 (3·7-5·9)	15·4 (13·7-17·2)	6·6 (5·4-7·9)	18·4 (16·5-20·1)	5·5 (4·3-6·8)	17·0 (15·3-18·8)
United Kingdom	4·7 (3·8-5·7)	13·4 (12·1-14·9)	5·7 (4·5-7·1)	16·2 (14·6-18·0)	4·4 (3·6-5·2)	13·4 (12·5-14·3)	5·5 (4·6-6·7)	16·3 (15·4-17·3)	5·4 (4·9-5·8)	19·9 (19·2-20·6)	6·8 (6·3-7·4)	21·5 (20·8-22·2)	7·4 (6·5-8·5)	24·5 (23·4-25·7)	8·1 (7·0-9·3)	25·4 (24·2-26·6)
Western Sub-Saharan Africa	2·1 (1·9-2·3)	4·2 (4·0-4·5)	1·8 (1·6-2·0)	6·4 (6·0-6·8)	2·5 (2·3-2·8)	5·1 (4·8-5·4)	2·1 (1·9-2·3)	7·2 (6·7-7·7)	4·0 (3·5-4·6)	8·4 (7·8-9·1)	3·3 (2·9-3·8)	9·8 (9·3-10·4)	4·3 (3·8-5·0)	9·4 (8·8-10·1)	3·2 (2·8-3·6)	11·9 (11·3-12·5)
Benin	1·8 (1·5-2·2)	3·9 (3·4-4·5)	1·3 (1·1-1·7)	5·0 (4·3-5·7)	2·1 (1·7-2·7)	4·6 (4·0-5·2)	1·6 (1·2-2·0)	5·8 (5·1-6·6)	2·9 (2·3-3·6)	6·6 (5·8-7·4)	2·1 (1·7-2·6)	8·5 (7·6-9·6)	4·7 (3·8-5·8)	9·4 (9·0-11·4)	3·2 (2·5-4·1)	10·0 (8·9-11·2)
Burkina Faso	2·2 (1·7-2·8)	4·7 (4·1-5·3)	1·4 (1·1-1·8)	1·5 (1·3-1·8)	2·9 (2·3-3·6)	6·2 (5·5-7·0)	1·8 (1·4-2·2)	2·0 (1·8-2·3)	3·6 (2·9-4·4)	7·8 (6·9-8·8)	2·6 (2·1-3·2)	3·2 (2·8-3·6)	3·7 (2·9-4·5)	8·2 (7·3-9·2)	3·0 (2·4-3·8)	4·6 (4·1-5·2)
Cameroon	3·3 (2·7-4·1)	6·4 (5·6-7·1)	2·4 (1·8-3·0)	13·5 (12·1-15·2)	3·2 (2·6-3·9)	6·1 (5·4-6·9)	2·3 (1·8-2·9)	13·2 (11·8-14·6)	4·6 (3·8-5·5)	7·1 (6·4-7·8)	3·2 (2·6-3·9)	16·8 (15·5-18·2)	4·8 (3·9-5·8)	8·5 (7·5-9·5)	3·6 (2·9-4·5)	20·1 (18·2-22·0)
Cape Verde	2·3 (1·8-2·8)	4·6 (4·1-5·2)	3·7 (2·9-4·5)	10·6 (9·2-11·9)	2·8 (2·2-3·4)	5·7 (5·1-6·4)	4·4 (3·5-5·6)	12·5 (11·0-14·1)	2·8 (2·3-3·5)	6·1 (5·4-6·7)	4·6 (3·6-5·7)	13·6 (12·1-15·1)	3·3 (2·6-4·0)	7·0 (6·2-7·8)	5·2 (4·1-6·5)	15·4 (13·9-17·1)
Chad	2·1 (1·7-2·6)	4·5 (3·9-5·0)	1·9 (1·5-2·4)	1·8 (1·5-2·0)	2·1 (1·7-2·6)	4·7 (4·1-5·3)	1·9 (1·5-2·5)	1·8 (1·6-2·1)	2·5 (2·1-3·1)	5·7 (5·1-6·5)	2·3 (1·8-2·8)	2·4 (2·1-2·7)	2·9 (2·3-3·5)	6·4 (5·6-7·2)	2·6 (2·0-3·3)	2·8 (2·4-3·2)
Cote d'Ivoire	3·1 (2·5-3·8)	2·7 (2·4-3·1)	2·4 (1·9-3·0)	5·0 (4·4-5·7)	2·7 (2·2-3·2)	2·6 (2·3-3·0)	2·1 (1·7-2·6)	4·6 (4·1-5·1)	2·7 (2·2-3·3)	4·9 (4·4-5·6)	2·6 (2·1-3·3)	9·0 (8·0-10·0)	2·7 (2·2-3·3)	6·2 (5·4-7·0)	2·8 (2·2-3·4)	11·4 (10·1-12·7)
Ghana	1·6 (1·2-2·0)	3·7 (3·3-4·3)	1·3 (1·0-1·7)	4·6 (3·9-5·2)	1·8 (1·4-2·2)	4·3 (3·8-4·9)	1·5 (1·2-1·9)	5·2 (4·6-5·9)	2·3 (1·9-2·8)	6·1 (5·4-6·9)	2·0 (1·6-2·5)	9·2 (8·3-10·2)	2·6 (2·1-3·2)	8·1 (7·2-9·2)	2·3 (1·9-2·9)	14·0 (12·6-15·7)
Guinea	2·8 (2·2-3·5)	2·2 (1·9-2·5)	3·3 (2·6-4·1)	6·2 (5·4-7·0)	2·8 (2·2-3·4)	2·2 (2·0-2·5)	3·2 (2·4-4·0)	6·1 (5·3-6·9)	2·6 (2·1-3·1)	2·3 (2·0-2·6)	3·2 (2·5-4·0)	7·3 (6·5-8·2)	2·8 (2·2-3·5)	2·5 (2·2-2·7)	3·5 (2·7-4·3)	9·8 (8·9-10·9)
Guinea-Bissau	3·1 (2·5-3·9)	6·6 (5·9-7·5)	3·4 (2·7-4·3)	10·7 (9·5-12·1)	3·7 (3·0-4·5)	7·8 (6·9-8·8)	4·0 (3·2-4·9)	12·3 (10·9-13·8)	5·1 (4·1-6·2)	11·1 (9·9-12·4)	5·5 (4·3-6·7)	17·0 (15·1-18·8)	8·1 (6·6-9·8)	16·8 (15·1-18·6)	8·3 (6·7-10·3)	24·2 (21·8-26·7)
Liberia	4·4 (3·6-5·5)	13·7 (12·2-15·4)	2·8 (2·2-3·6)	14·9 (13·4-16·7)	4·1 (3·3-5·2)	13·1 (11·7-14·6)	2·7 (2·0-3·4)	14·4 (12·8-16·0)	4·2 (3·4-5·2)	13·3 (12·0-14·7)	2·7 (2·0-3·4)	17·3 (15·6-19·2)	4·8 (3·9-5·9)	14·9 (13·7-16·1)	3·0 (2·4-3·8)	22·1 (20·0-24·0)

Country/Region	Males, 1980		Females, 1980		Males, 1990		Females, 1990		Males, 2000		Females, 2000		Males, 2013		Females, 2013	
	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20	<20	>20
Mali	1·8 (1·5-2·3)	4·0 (3·5-4·6)	1·6 (1·2-2·0)	6·7 (5·8-7·6)	2·3 (1·9-2·9)	5·1 (4·5-5·8)	2·0 (1·5-2·5)	8·4 (7·4-9·4)	2·7 (2·2-3·2)	5·9 (5·2-6·7)	2·8 (2·2-3·4)	12·6 (11·2-14·1)	3·6 (2·9-4·5)	7·4 (6·6-8·4)	4·1 (3·2-5·1)	18·2 (16·5-20·0)
Mauritania	2·2 (1·8-2·8)	4·7 (4·2-5·4)	3·0 (2·4-3·7)	18·8 (16·9-21·2)	2·7 (2·2-3·3)	5·8 (5·1-6·5)	3·6 (2·8-4·6)	22·2 (20·0-24·5)	2·8 (2·3-3·4)	6·2 (5·5-7·0)	3·8 (3·1-4·6)	25·8 (24·0-27·6)	2·8 (2·3-3·5)	6·4 (5·7-7·3)	3·8 (3·0-4·7)	27·6 (25·3-30·4)
Niger	1·9 (1·5-2·3)	2·5 (2·2-2·8)	1·5 (1·2-1·9)	3·5 (3·1-4·0)	1·9 (1·5-2·3)	2·6 (2·2-2·9)	1·5 (1·2-1·9)	3·5 (3·1-4·0)	2·1 (1·7-2·5)	2·9 (2·5-3·3)	2·1 (1·6-2·6)	4·6 (4·0-5·2)	2·9 (2·3-3·5)	3·4 (3·0-3·9)	2·5 (2·0-3·1)	5·9 (5·3-6·5)
Nigeria	1·8 (1·4-2·2)	3·9 (3·4-4·4)	1·6 (1·2-2·0)	5·8 (5·1-6·6)	2·5 (2·1-3·1)	5·4 (4·8-6·1)	2·0 (1·6-2·5)	7·1 (6·2-8·0)	5·2 (4·2-6·3)	11·1 (9·8-12·5)	4·1 (3·3-5·2)	9·4 (8·4-10·4)	5·4 (4·4-6·7)	11·8 (10·5-13·3)	3·2 (2·4-4·2)	10·4 (9·3-11·6)
Sao Tome and Principe	2·8 (2·3-3·5)	4·3 (3·9-4·9)	3·8 (2·9-4·7)	11·3 (9·9-12·7)	3·1 (2·4-3·8)	4·8 (4·2-5·4)	4·1 (3·1-5·3)	12·1 (10·7-13·7)	3·5 (2·8-4·4)	5·7 (5·1-6·4)	4·7 (3·7-6·0)	14·5 (12·9-16·0)	4·4 (3·6-5·5)	7·1 (6·4-7·9)	5·8 (4·5-7·3)	17·6 (16·0-19·2)
Senegal	1·3 (1·0-1·6)	8·0 (7·1-9·0)	1·7 (1·3-2·2)	10·9 (9·7-12·2)	1·5 (1·2-1·8)	8·2 (7·3-9·2)	1·8 (1·5-2·3)	11·4 (10·3-12·7)	1·6 (1·3-1·9)	8·9 (7·8-10·0)	2·0 (1·6-2·5)	16·9 (15·4-18·7)	1·6 (1·3-1·9)	10·3 (9·4-11·3)	2·1 (1·6-2·6)	21·1 (19·7-22·6)
Sierra Leone	5·4 (4·4-6·6)	4·3 (3·8-4·9)	4·6 (3·6-5·7)	9·6 (8·5-10·9)	5·4 (4·4-6·6)	4·4 (3·9-5·0)	4·7 (3·6-5·8)	9·9 (8·7-11·2)	5·5 (4·6-6·8)	4·8 (4·2-5·4)	5·2 (4·3-6·5)	10·9 (9·6-12·2)	6·4 (5·3-7·7)	5·2 (4·7-5·9)	7·2 (5·9-8·7)	11·9 (10·8-13·1)
The Gambia	7·4 (6·0-9·2)	5·3 (4·7-6·1)	4·1 (3·2-5·1)	11·8 (10·4-13·2)	9·0 (7·3-10·9)	6·1 (5·4-7·0)	4·6 (3·6-5·6)	13·1 (11·5-14·7)	7·6 (6·6-8·6)	6·7 (5·9-7·5)	4·8 (3·8-6·1)	14·5 (12·8-16·3)	3·8 (3·0-4·6)	8·4 (7·6-9·3)	6·1 (4·9-7·6)	18·1 (16·8-19·5)
Togo	1·8 (1·5-2·3)	2·5 (2·2-2·8)	1·7 (1·3-2·1)	4·1 (3·6-4·7)	1·9 (1·5-2·3)	2·6 (2·3-3·0)	1·7 (1·4-2·2)	4·4 (3·9-5·0)	2·1 (1·7-2·5)	3·1 (2·7-3·5)	1·9 (1·5-2·4)	7·0 (6·2-7·8)	2·2 (1·8-2·8)	3·4 (3·0-3·8)	1·8 (1·4-2·2)	11·3 (10·0-12·5)

Webtable 11 Prevalence of obesity by age across birth cohorts for males and females in developed and developing countries with 95% confidence intervals

			Age													
Location	Birth Year	Sex	7.5	12.5	17.5	22.5	27.5	32.5	37.5	42.5	47.5	52.5	57.5	62.5	67.5	72.5	77.5
Developed	1935	Female									19·6 (17·6-21·8)	23·2 (21·3-25·0)	25·9 (24·1-27·6)	27·5 (25·8-29·3)	29·7 (28·0-31·3)	29·1 (27·5-30·7)	26·2 (24·3-27·9)
Developed	1940	Female								17·2 (15·3-19·3)	20·8 (18·7-22·8)	24·2 (22·5-26·0)	27·9 (26·0-29·8)	30·1 (28·6-31·6)	31·1 (29·5-32·7)	30·6 (28·6-32·5)	

			Age														
Location	**Birth Year**	**Sex**	**7.5**	**12.5**	**17.5**	**22.5**	**27.5**	**32.5**	**37.5**	**42.5**	**47.5**	**52.5**	**57.5**	**62.5**	**67.5**	**72.5**	**77.5**
Developed	1945	Female							14·4 (12·6-16·3)	16·9 (15·4-18·7)	20·5 (19·0-22·0)	23·8 (22·1-25·4)	28·1 (26·4-29·7)	29·6 (28·1-31·2)	29·2 (27·5-30·9)		
Developed	1950	Female						12·1 (10·5-13·9)	15·4 (13·9-17·1)	17·8 (16·4-19·2)	21·9 (20·6-23·2)	26·5 (25·0-28·0)	29·4 (27·9-31·0)	30·8 (29·0-32·8)			
Developed	1955	Female					10·1 (8·8-11·7)	13·1 (11·7-14·6)	16·0 (14·8-17·3)	19·2 (18·0-20·6)	25·7 (24·2-27·2)	28·9 (27·3-30·4)	30·5 (28·5-32·6)				
Developed	1960	Female				7·6 (6·4-8·9)	10·6 (9·4-11·8)	13·5 (12·4-14·8)	16·5 (15·4-17·8)	22·1 (20·8-23·6)	26·7 (25·1-28·2)	29·4 (27·5-31·6)					
Developed	1965	Female			4·6 (3·8-5·6)	7·8 (6·9-8·8)	10·8 (9·8-11·9)	13·9 (12·9-14·9)	19·3 (18·1-20·6)	23·1 (21·8-24·6)	25·9 (24·1-27·9)						
Developed	1970	Female		4·4 (3·8-5·1)	4·6 (4·0-5·3)	7·9 (7·1-8·8)	11·7 (10·8-12·6)	16·6 (15·4-17·7)	20·1 (19·0-21·4)	22·6 (21·1-24·2)							
Developed	1975	Female	5·7 (5·0-6·5)	4·3 (3·9-4·9)	4·5 (4·0-5·0)	8·3 (7·7-9·1)	14·3 (13·3-15·3)	18·2 (17·1-19·3)	20·5 (19·1-21·9)								
Developed	1980	Female	6·0 (5·4-6·6)	4·6 (4·3-5·0)	4·9 (4·5-5·4)	10·7 (9·8-11·7)	15·4 (14·4-16·3)	19·1 (17·9-20·3)									
Developed	1985	Female	6·6 (6·1-7·1)	5·0 (4·6-5·4)	6·6 (6·0-7·2)	12·3 (11·4-13·3)	16·0 (14·8-17·3)										
Developed	1990	Female	6·8 (6·2-7·3)	6·5 (6·1-7·1)	7·4 (6·8-8·0)	12·8 (11·8-14·0)											
Developed	1995	Female	7·6 (7·0-8·1)	7·4 (6·8-8·0)	8·0 (7·4-8·7)												
Developed	2000	Female	8·5 (7·9-9·1)	7·5 (6·8-8·3)													
Developed	2005	Female	8·8 (8·2-9·6)														
Developed	1935	Male									15·0 (13·5-16·6)	16·7 (15·3-18·2)	18·5 (17·1-19·9)	19·9 (18·5-21·5)	21·2 (19·9-22·4)	21·4 (20·2-22·6)	20·8 (19·5-22·2)

			Age														
Location	**Birth Year**	**Sex**	**7.5**	**12.5**	**17.5**	**22.5**	**27.5**	**32.5**	**37.5**	**42.5**	**47.5**	**52.5**	**57.5**	**62.5**	**67.5**	**72.5**	**77.5**
Developed	1940	Male								13·8 (12·3-15·2)	15·2 (13·9-16·6)	17·4 (16·1-18·8)	19·3 (17·7-21·0)	22·6 (21·3-23·9)	22·7 (21·3-24·1)	22·4 (20·9-23·9)	
Developed	1945	Male							12·1 (10·8-13·5)	14·8 (13·3-16·2)	16·0 (14·8-17·4)	18·9 (17·4-20·4)	21·5 (20·1-23·0)	24·5 (23·3-25·8)	23·4 (21·9-25·0)		
Developed	1950	Male						10·8 (9·5-12·2)	12·3 (11·1-13·5)	15·3 (14·2-16·6)	17·3 (16·1-18·6)	21·0 (19·7-22·3)	23·2 (22·0-24·6)	24·8 (23·2-26·3)			
Developed	1955	Male					9·3 (8·2-10·7)	11·1 (9·9-12·3)	13·0 (12·0-14·0)	16·3 (15·1-17·6)	19·5 (18·2-20·7)	23·2 (21·9-24·5)	24·4 (22·8-26·1)				
Developed	1960	Male				7·4 (6·4-8·6)	9·5 (8·5-10·7)	11·5 (10·5-12·5)	14·4 (13·3-15·5)	19·5 (18·3-20·8)	21·4 (20·1-22·8)	24·5 (22·9-26·1)					
Developed	1965	Male			5·3 (4·5-6·1)	7·5 (6·7-8·4)	9·8 (9·0-10·8)	12·5 (11·6-13·5)	17·1 (16·1-18·3)	21·8 (20·6-23·1)	22·4 (21·0-23·8)						
Developed	1970	Male		5·1 (4·5-5·9)	5·3 (4·7-6·0)	7·7 (7·0-8·4)	10·8 (10·0-11·6)	14·8 (13·7-15·9)	19·3 (18·2-20·5)	22·2 (20·9-23·4)							
Developed	1975	Male	5·4 (4·9-6·0)	5·1 (4·6-5·6)	5·3 (4·8-5·8)	8·1 (7·4-8·7)	12·5 (11·6-13·5)	16·3 (15·3-17·2)	19·8 (18·5-21·0)								
Developed	1980	Male	5·7 (5·2-6·2)	5·4 (5·0-5·8)	5·8 (5·3-6·3)	10·2 (9·4-11·1)	14·1 (13·2-15·0)	17·4 (16·3-18·4)									
Developed	1985	Male	6·1 (5·6-6·6)	5·9 (5·5-6·3)	7·3 (6·7-7·9)	11·3 (10·5-12·2)	15·5 (14·5-16·7)										
Developed	1990	Male	6·4 (5·9-6·9)	7·1 (6·7-7·6)	8·3 (7·7-8·9)	11·8 (10·8-12·7)											
Developed	1995	Male	7·4 (6·9-7·9)	8·2 (7·6-8·8)	8·6 (7·9-9·3)												
Developed	2000	Male	8·0 (7·5-8·6)	8·4 (7·7-9·2)													
Developed	2005	Male	8·1 (7·5-8·8)														

			Age														
Location	**Birth Year**	**Sex**	**7.5**	**12.5**	**17.5**	**22.5**	**27.5**	**32.5**	**37.5**	**42.5**	**47.5**	**52.5**	**57.5**	**62.5**	**67.5**	**72.5**	**77.5**
Developing	1935	Female									8·2 (7·5-8·9)	9·8 (9·0-10·7)	10·5 (9·7-11·4)	11·0 (10·3-11·8)	11·1 (10·4-11·8)	12·3 (11·6-13·1)	11·7 (10·9-12·5)
Developing	1940	Female								7·7 (7·0-8·4)	8·6 (7·9-9·4)	10·3 (9·5-11·2)	11·1 (10·3-11·8)	12·2 (11·4-12·9)	12·2 (11·5-12·9)	13·0 (12·2-14·0)	
Developing	1945	Female							6·7 (6·1-7·2)	8·0 (7·4-8·6)	8·9 (8·2-9·6)	11·0 (10·2-11·9)	12·2 (11·5-13·0)	13·2 (12·5-13·9)	13·3 (12·5-14·2)		
Developing	1950	Female						5·4 (5·0-5·9)	6·9 (6·4-7·5)	8·2 (7·6-8·8)	9·4 (8·8-10·0)	12·1 (11·4-12·8)	13·1 (12·4-13·7)	14·1 (13·3-15·0)			
Developing	1955	Female					4·1 (3·7-4·4)	5·5 (5·1-6·0)	7·0 (6·5-7·6)	8·7 (8·2-9·2)	10·7 (10·1-11·2)	12·7 (12·1-13·3)	13·8 (13·1-14·7)				
Developing	1960	Female				3·1 (2·8-3·4)	4·4 (4·0-4·8)	5·9 (5·5-6·4)	7·9 (7·4-8·4)	10·2 (9·7-10·7)	12·1 (11·6-12·7)	13·9 (13·2-14·8)					
Developing	1965	Female			1·9 (1·7-2·1)	3·2 (2·9-3·5)	4·5 (4·2-4·9)	6·2 (5·8-6·6)	8·6 (8·2-9·1)	11·1 (10·6-11·6)	12·9 (12·3-13·7)						
Developing	1970	Female		2·4 (2·1-2·7)	2·0 (1·8-2·2)	3·3 (3·0-3·6)	4·7 (4·4-5·1)	7·0 (6·6-7·4)	9·3 (8·9-9·8)	11·7 (11·0-12·3)							
Developing	1975	Female	4·4 (3·9-5·1)	2·5 (2·3-2·9)	2·1 (1·9-2·4)	3·6 (3·3-4·0)	5·4 (5·1-5·7)	8·0 (7·6-8·5)	10·5 (10·0-11·0)								
Developing	1980	Female	4·8 (4·2-5·4)	2·8 (2·5-3·1)	2·3 (2·1-2·6)	4·2 (3·9-4·5)	6·4 (6·1-6·7)	9·3 (8·8-9·8)									
Developing	1985	Female	5·0 (4·5-5·7)	2·9 (2·6-3·3)	2·5 (2·3-2·7)	4·6 (4·3-4·9)	7·2 (6·8-7·6)										
Developing	1990	Female	5·3 (4·7-5·9)	3·1 (2·8-3·4)	2·6 (2·4-2·8)	4·9 (4·6-5·3)											
Developing	1995	Female	5·2 (4·7-5·8)	3·3 (3·0-3·6)	2·8 (2·6-3·0)												
Developing	2000	Female	5·3 (4·9-5·8)	3·5 (3·2-3·8)													

			Age														
Location	**Birth Year**	**Sex**	**7.5**	**12.5**	**17.5**	**22.5**	**27.5**	**32.5**	**37.5**	**42.5**	**47.5**	**52.5**	**57.5**	**62.5**	**67.5**	**72.5**	**77.5**
Developing	2005	Female	5·4 (4·9-5·9)														
Developing	1935	Male									5·2 (4·8-5·7)	5·6 (5·1-6·1)	6·0 (5·4-6·5)	6·1 (5·6-6·7)	6·3 (5·8-6·8)	6·3 (5·9-6·8)	6·9 (6·3-7·5)
Developing	1940	Male								5·0 (4·5-5·4)	5·5 (5·1-6·0)	5·9 (5·5-6·5)	6·3 (5·8-6·9)	6·7 (6·2-7·2)	6·7 (6·3-7·3)	6·7 (6·3-7·3)	
Developing	1945	Male							4·6 (4·2-5·1)	5·3 (4·9-5·8)	5·8 (5·3-6·4)	6·4 (5·9-6·9)	6·9 (6·4-7·4)	7·3 (6·8-7·8)	7·2 (6·7-7·8)		
Developing	1950	Male						4·1 (3·7-4·5)	4·8 (4·4-5·3)	5·5 (5·1-6·0)	6·1 (5·6-6·6)	6·8 (6·3-7·3)	7·3 (6·9-7·8)	7·7 (7·2-8·3)			
Developing	1955	Male					3·5 (3·2-3·9)	4·2 (3·8-4·6)	4·8 (4·4-5·3)	5·7 (5·2-6·2)	6·4 (6·0-6·9)	6·9 (6·5-7·4)	7·6 (7·1-8·2)				
Developing	1960	Male				2·9 (2·6-3·2)	3·8 (3·5-4·2)	4·5 (4·1-5·0)	5·3 (4·9-5·8)	6·5 (6·0-7·0)	7·3 (6·9-7·7)	7·8 (7·3-8·3)					
Developing	1965	Male			2·4 (2·1-2·8)	3·0 (2·7-3·3)	4·0 (3·6-4·4)	4·8 (4·3-5·2)	5·8 (5·4-6·3)	7·1 (6·6-7·5)	7·9 (7·4-8·5)						
Developing	1970	Male		3·1 (2·7-3·6)	2·6 (2·2-3·0)	3·1 (2·8-3·4)	4·2 (3·8-4·6)	5·1 (4·7-5·5)	6·5 (6·1-7·0)	7·7 (7·2-8·2)							
Developing	1975	Male	4·1 (3·6-4·8)	3·3 (2·9-3·7)	2·7 (2·4-3·2)	3·4 (3·1-3·8)	4·7 (4·3-5·1)	5·8 (5·4-6·2)	7·4 (6·9-8·0)								
Developing	1980	Male	4·4 (3·8-5·0)	3·4 (3·1-3·9)	2·9 (2·6-3·3)	3·9 (3·6-4·3)	5·4 (5·1-5·8)	6·8 (6·3-7·3)									
Developing	1985	Male	4·6 (4·1-5·2)	3·7 (3·3-4·1)	3·1 (2·8-3·5)	4·2 (3·9-4·6)	6·0 (5·6-6·4)										
Developing	1990	Male	5·1 (4·5-5·9)	4·1 (3·6-4·7)	3·3 (3·0-3·7)	4·6 (4·2-5·0)											
Developing	1995	Male	5·3 (4·7-6·0)	4·3 (3·9-4·8)	3·5 (3·1-3·8)												

			Age														
Location	**Birth Year**	**Sex**	**7.5**	**12.5**	**17.5**	**22.5**	**27.5**	**32.5**	**37.5**	**42.5**	**47.5**	**52.5**	**57.5**	**62.5**	**67.5**	**72.5**	**77.5**
Developing	2000	Male	5·3 (4·8-5·9)	4·4 (4·0-4·9)													
Developing	2005	Male	5·4 (4·9-5·9)														