
Supplementary information

Measuring and forecasting progress towards the education-related SDG targets

In the format provided by the authors and unedited

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Supplemental Information for “Measuring and forecasting progress towards the education-related SDG targets”

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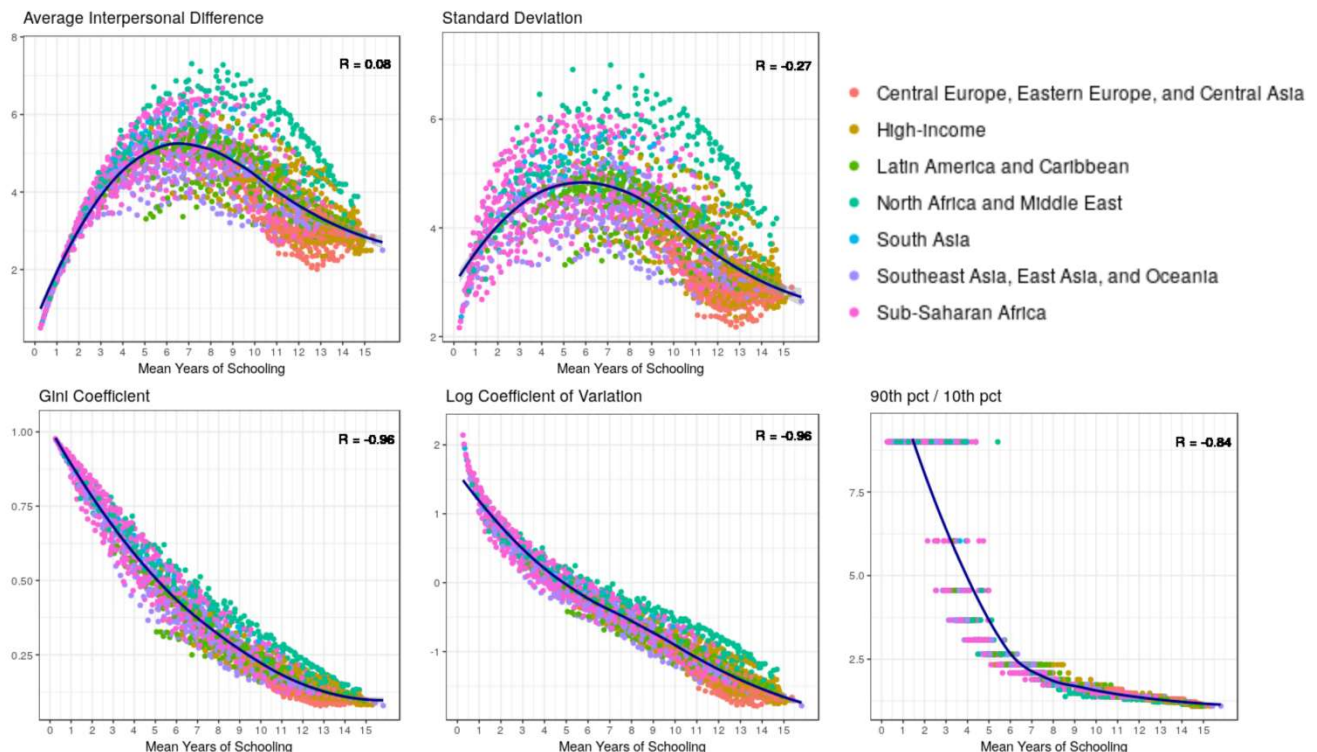
Supplemental Discussion

Choice of Inequality Metric – Theoretical Framework

The discussion of which metric inherently best captures inequality is epistemological in nature¹. Previous assessments of inequality metrics for educational attainment have been limited by data availability², or have tended to focus on single metrics, most often the Gini coefficient or standard deviation^{3,4}. We draw on comprehensive estimates of the distribution of education to assess which inequality metrics can function reasonably in the representation of educational inequality. Supplemental figure 1 details the relationship between average years of schooling and a number of inequality metrics. Both the Gini coefficient and the average interpersonal difference (AID) belong to the family of inter-individual difference metrics^{5,6}, which are calculated via the generalized formula shown below:

$$IID(\alpha, \beta) = \frac{\sum_{i=1}^n \sum_{j=1}^n |e_i - e_j|^\alpha}{n^2 + (2 * \bar{e})^\beta}$$

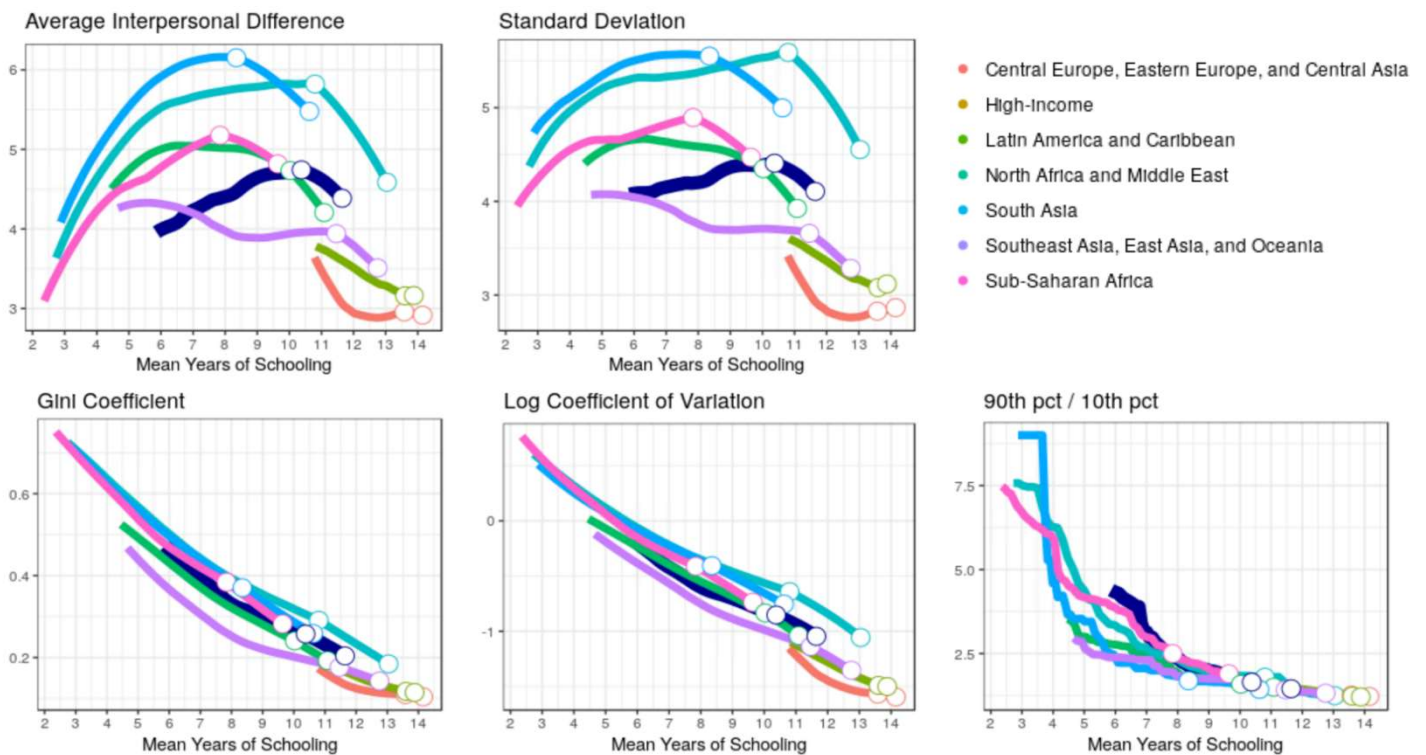
Where β indicates the degree to which differences are absolute, or relative to the mean of the population, and α indicates the increased degree of increased weighting of outliers. For the Gini coefficient, both α and β are set to 1, while the AID has an α of 1 and a β of 0. Therefore, the Gini coefficient is equal to the AID, divided by two times the mean. The standard deviation compares the value of all individuals to the mean, rather than other individuals. The coefficient of variation is estimated as the standard deviation divided by the mean value. Finally, the ratio of the 90th percentile to



Supplemental Figure 1. The Relationship Between Mean Years of Schooling and Inequality Metrics. Points are plotted for every 5th year, 1970 through 2030, and represent national values for individuals age 25-29. Color indicates super-regional grouping. Loess lines of best fit are added to show central tendency. Pearson's r correlation coefficients are shown for each relationship and were calculated over n=11,895 country-years of modelled estimates.

the 10th percentile is another commonly used relative inequality metric, that does not use the mean of the distribution. For variables such as per-person income that vary highly between contexts, a relative measure such as the Gini coefficient is an intuitive choice. In phenomena that do not vary greatly between contexts, researchers could potentially consider absolute measures, like the standard deviation, as more appropriate.

In the first stage, we explore the relationship between each metric and average years of schooling. This is a useful heuristic to understand how each metric behaves over the observed range of average values. We find that relative measures of inequality, such as the Gini coefficient, coefficient of variation, or 90th to 10th percentile ratio are highly collinear with average years of schooling, with correlation coefficients of -0.96, -0.96, and -0.84 respectively. This is expected, as relative metrics like the Gini coefficient have the mean value of the distribution in their denominator. Therefore, in the context of a highly bounded indicator like education, this effect induces very high correlation. Highly uneducated populations have high Gini coefficients as only a few individuals have more than zero years of schooling. As populations become more educated, their Gini coefficient heads steadily towards zero, with minimal variation between populations. Absolute measures of inequality, such as the AID, have more variable relationships with average attainment. Overall the correlation coefficient between the AID and mean years of schooling was 0.08. Employing either the AID or the standard deviation provides estimates of inequality that vary significantly more for a given mean years of schooling compared to average measures of inequality.



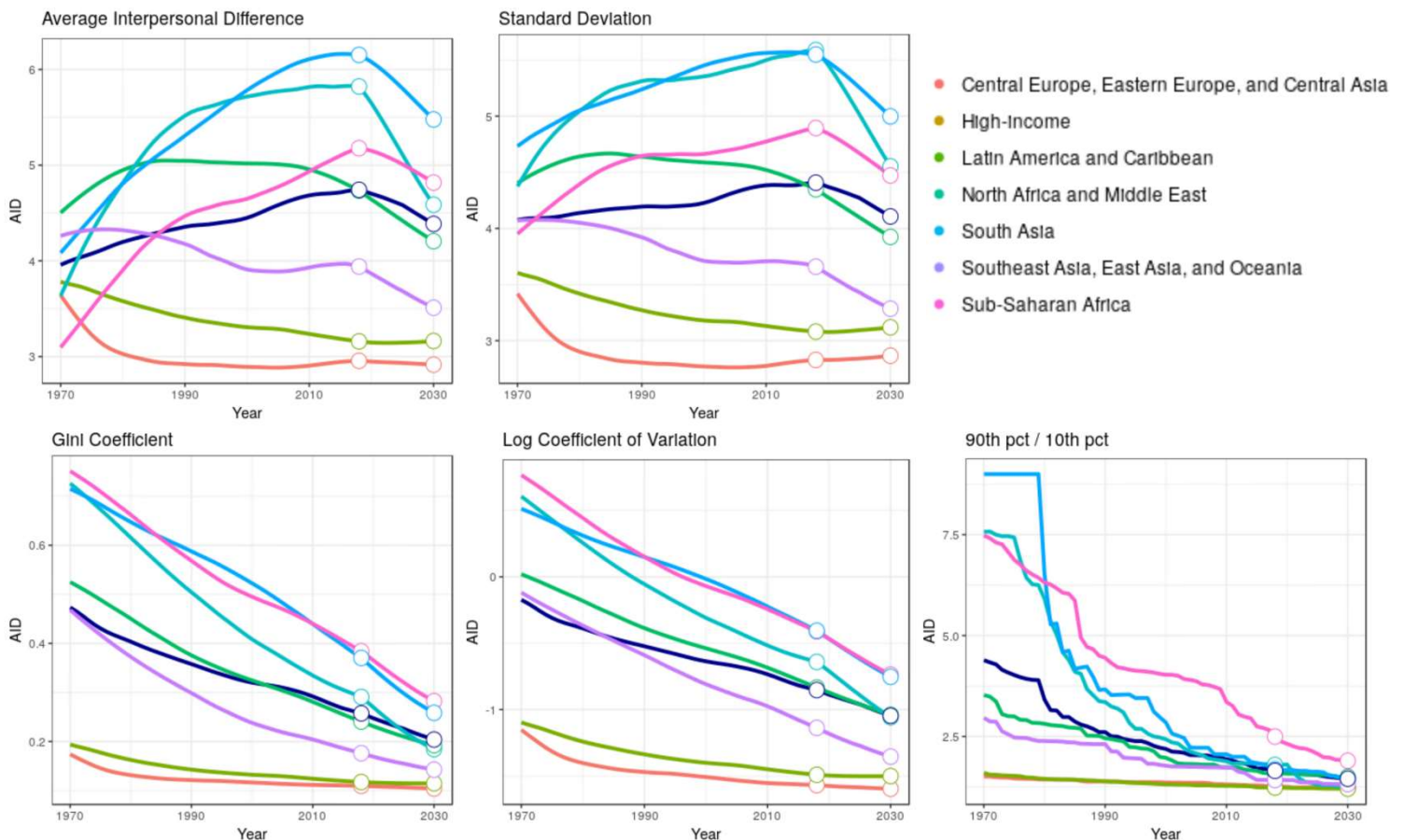
Supplemental Figure 2. Global Trajectories in Educational Inequality and Mean Attainment by Metric. Educational inequality represented by a number of metrics is represented on the y axis against the mean years of schooling globally and for each super-region. The dots mark 2018, the beginning of forecasts, and 2030, the SDG target year. Regional trends were aggregated from n=195 national level modeled estimates.

Choice of Inequality Metric – Comparison of Results

Supplemental figures 2 and 3 show how the choice of inequality metric affects conclusions drawn about the global and regional trajectories of inequality in education. Both the standard deviation and the AID show highly similar trends in global and regional inequality, as described in detail in the main text.

Kuznets curves are observed for nearly all geographies, though there is tremendous difference in the height achieved by each curve. The relative inequality metrics show maximal inequality in 1970 when mean attainment levels are lowest and exhibit sharp and steady declines through 2030 as mean attainment rises globally.

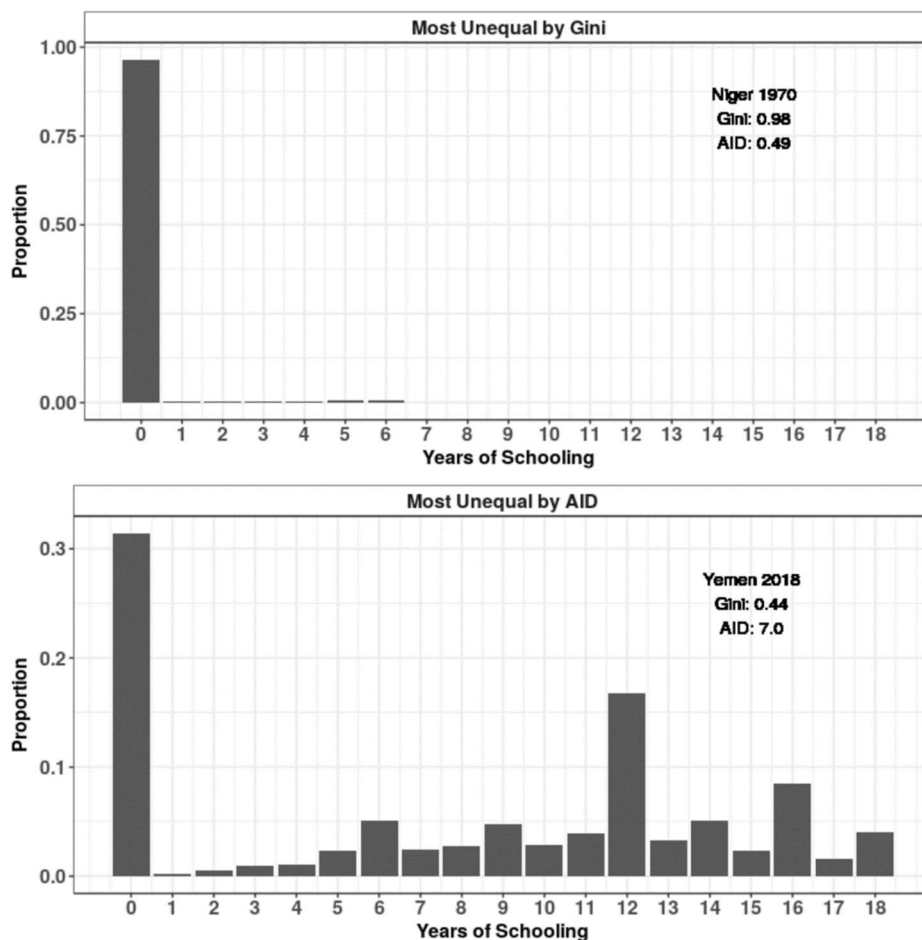
In comparing the AID and Gini coefficient as metrics of inequality, it is important to consider that for a given mean value, the variability between geographies shown by either metric is identical. Given that the mean is in the denominator of the Gini coefficient, at, for example, 12 years of mean attainment, the rank and magnitude of variation between each region observed in figure 2 is identical. The choice of metric, therefore, is most influential in comparing inequality over time and ranges of mean attainment values. Here we must make a normative decision around which societies appear most and least “unequal” according to our interpretation of the concept¹. If we were to accept the implications of the



Supplemental Figure 3. Global Trajectories in Educational Inequality Over Time by Metric

Educational inequality represented by a number of metrics is represented on the y axis over time globally and for each super-region. The dots mark 2018, the beginning of forecasts, and 2030, the SDG target year. Regional trends were aggregated from n=195 national level modeled estimates.

Gini coefficient, we would conclude that the most unequal nations observed by our study are those that are just beginning to educate their populations, those that have the lowest mean attainment values and just a few individuals achieving any years of schooling. This kind of distribution of education was commonplace among low-income nations in 1970, however by 2018 all nations had at least begun to educate their population to a meaningful degree, and most nations appeared to be near the peak of their Kuznets curve, if not significantly further along it. If we consider the AID metric, however, we would conclude that the most unequal societies are those developing nations that have both a high proportion of the people that still receives little to no schooling, and another large segment that receives many years of schooling. Supplemental Figure 4 illustrates the kind of societies that are deemed “most unequal” under either metric. The figure is best interpreted alongside supplemental figure 1 for context. Under the Gini coefficient assumptions, Niger in 1970 would be considered a “maximally unequal” context, with a Gini of .98, because almost 0% of the population has any schooling. The few years of available schooling is attained by a small number of individuals, who virtually all have fewer than 7 years. An example “maximally unequal” society under the AID assumptions is exemplified by Yemen in 2018. Here we can see an example of a society where over 30% of the population of 25-29-year-olds still has zero schooling, while over 40% of the same population has 12 years or more of schooling. As stated earlier, the choice of metric is normative. The authors of this study consider that Yemen in 2018 has much greater inequality than Niger in 1970 and have chosen the AID metric as the measure by which to present results in this paper. Recognizing that it is unlikely that consensus can ever be reached on which is the best measure of inequality, regardless of the application of that measure, we present results for alternative measures in this Supplement and also make available the results of our entire database which makes it easy for other researchers to produce the measure of inequality that they believe is most relevant to their research endeavors.



Supplemental Figure 4. “Most Unequal” Societies Under Gini and AID Assumptions
The distribution of years of schooling for two example populations illustrating “maximally unequal” populations under the assumptions of the Gini and AID metrics. Each panel reflects individuals age 25-29, for a single country-year. This figure is best interpreted alongside supplemental figure 1 for context.

Choice of Inequality Metric – Conclusions

Ultimately, we chose to use the AID as our measure of educational inequality in the main text of this study. We believe that for education, an absolute metric such as the standard deviation or AID is the most policy-relevant measure of inequality. In considering the range of distributions we observed in our study, we concur with the interpretation yielded by the AID metric, that the most unequal societies, in terms of education, are those at the peak of their Kuznets curve that have large proportions of individuals with zero schooling, and large proportions with post-secondary education. Given that we believe that a metric of inequality provides an additional measure for policy makers to care about and aim to improve upon, we find that the AID is the most policy relevant metrics as at a given level of educational attainment it captures adequately how unequally the distribution years of schooling within a given population is.

We suggest that the degree of relativity of an inequality metric, which can be changed by modifying the value of β in the equation above, should reflect the inherent boundedness of a measure. For income,

which has hyperbolic variation between countries, using a β of 1 is intuitive. Likewise, for years of schooling, which is limited in range by the human life course, a β value of 0 is a reasonable choice. For other intermediately-bounded measures, employing a set of inequality metrics with a range of β values would be advisable.

For education, we ultimately chose to use the average interpersonal difference as the measure of educational inequality to present results by, as we find that the quantity it represents—the average difference in educational attainment between any two individuals in a population—to be easy to understand and relevant both to our conceptualization of inequality and for policy makers. Given that the mean is “in the denominator” of the Gini coefficient, expanding the mean level of schooling will almost always reduce measured inequality, regardless of if it occurs among those who are best or least off. The AID on the other hand, changes depending on which part of the population is targeted for progress. This attribute makes it a more policy-relevant metric as it tracks, as countries are investing in education and increasing the mean years of schooling of their populations, how well they are doing in terms of distributing those years of schooling equally.

Comparison to Previous Education Modeling Efforts

Here we summarize major alternative education modeling efforts, and discuss differences in methodology, scope, and results and their interpretation. Two sets of education estimates that are used extensively and are closest in scope to the work presented in this study, include the work by Barro and Lee and the work by the Wittgenstein Centre.

The estimates produced by Barro and Lee are among the most highly cited, have pioneered many aspects of measuring educational attainment, and have been updated several times^{7–10}. Their framework involves drawing mainly on census data and using a timeseries approach. They model broad bins (categories) of educational attainment, as defined by the ISCED classifications¹¹, and subsequently calculate means years of schooling using standard duration assumptions. As we have shown previously, the standard duration method is useful in enforcing consistency between mean years of schooling and the modeled distribution of education, however it does include some assumptions that can introduce bias and error into the estimates¹². Recent estimates draw on about 600 total sources and cover 146 countries from 1950 through 2010.

A body of work produced by the Wittgenstein Centre has a distinct approach to modelling educational attainment that draws on demographic (cohort component) models^{13–15}. This entails drawing on a recent data source for each country from a year close to the analytical base year, most recently 2015¹⁵. One base dataset is chosen per country, for a total of about 200 sources. Populations are then forecasted to 2100 and backcasted to 1950 using a number of expert-driven and empirical assumptions about education, fertility, migration, life expectancy, and other key factors. This approach is highly useful for studying the interconnection of education with other aspects of development, especially population growth. This kind of model allows for explicit examination of policy-levers for changing population-level dynamics, and holds key insights for the scientific understanding of population development, with implications for policy-makers¹⁶. Among other assumptions, the modeling framework generally assumed “global convergence” in forecasts, where all countries slowly drift towards global averages of parameters. Education is represented by a number of bins, including complete and incomplete attainment at numerous levels, as defined by ISCED standards.

Our work differs from these two major previous efforts in a few important ways that reflect its central aim of serving as a benchmarking and forecasting exercise towards the education-related SDG targets. We include 3,180 census and survey data sources, which represents the largest database of education data to our knowledge. Given the known sampling and non-sampling error in measures of education^{17,18} we opt to include all possible sources of data and leverage a modeling framework that synthesizes disparate data using sampling variance and between-source deviation to estimate final results. Our data adjustment approach offers an additional correction for bias between data providers, creating a set of more directly comparable estimates. Including all possible data entails both advantages and challenges compared to other estimation strategies. The Wittgenstein approach benefits from internal consistency, as well as flexibility in the calculation of forecasting scenarios under varying assumptions. However, it has a limited capacity to automatically include multiple data sources across the available timeseries. By only using one data source, these estimates make the assumption that the data source chosen is valid and reliable and does not suffer from any non-sampling error. Alternatively, our approach allows for the inclusion of temporally overlapping data from numerous data providers, as well as data from multiple time periods. As a prediction effort, our work is more similar to that of Barro and Lee, using a timeseries modelling approach, although the details of our model vary substantially. We use nearly five times the input data, and model the full single year distribution of education, which better captures drop-out patterns relative to descriptions using wider bins of attainment, and allows for a more precise measurement of educational inequality¹². We also provide projections through 2030, and novel metrics of educational inequality, that are focused on benchmarking regional and national progress towards meeting the education-related SDG targets.

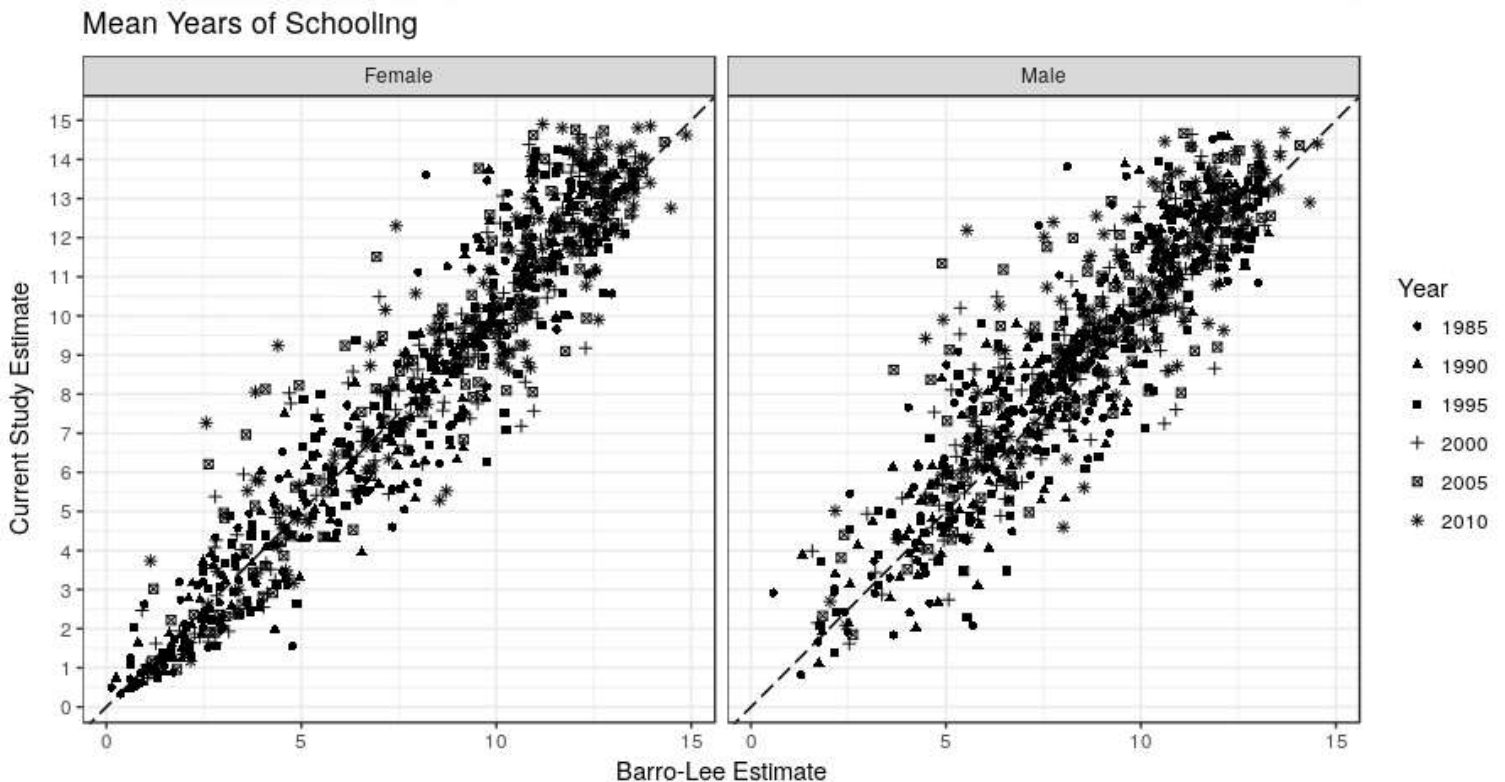
The forecasts produced by the Wittgenstein Centre are highly useful in understanding and quantifying how investments in education will ripple out through other domains of development. For instance, the “SDG Education Scenario” allows us to appreciate how impactful achieving the education-related SDG targets could be for global health and well-being¹⁵. On the other hand, our work is a descriptive effort seeking to provide timely evidence on which countries are currently on track to achieve these important goals, and which countries have disparities that require renewed investments and attention. We employ a framework that is designed to maximize country-level predictive power, including an unprecedented level of data coverage and predictive validation for the field. Though our work is not directly comparable to the Wittgenstein forecasted scenarios (in methodological approach, the actual indices measured, and the main aims of the estimates), it is highly complementary. We produce country-level evidence about trajectories towards meeting international education targets, and the Wittgenstein scenarios provide strong evidence about the importance of meeting these goals for myriad areas of global development.

Correlation to Previous Education Modeling Efforts

In addition to out-of-sample predictive validity, the reliability of our estimates was assessed by comparing the mean years of schooling predictions to previously published estimates. A comparison to previous estimates of the distribution of education, or educational inequality, was not possible, given the lack of a comparable set of numbers. Other efforts to model the distribution of education have measured attainment using bins such as “primary completed.” These bins measure ISCED levels of attainment, rather than a specific number of years that is comparable between countries¹³. Our analysis is focused on number of years, and therefore a direct comparison is not possible. Nevertheless, we were able to compare our mean attainment estimates to previous work, as a general measure of the similarity of data and modeling outcomes. We used the most recent age and sex-specific estimates from Barro and Lee, as well as the Wittgenstein Centre, as comparators^{19,20}.

Previous studies have documented systematic differences in the data preparation process between the Barro-Lee numbers and our process, that do result small but systematic difference in the numbers¹². Nevertheless, a high degree of correlation was expected, and was observed. Overall, comparing the data provided at 5-year intervals from 1970 to 2010, a correlation coefficient was observed of 0.94. Supplemental figure 5 shows country-year-age-sex specific data from both series of estimates.

Supplemental figure 6 compares mean years of schooling values between the estimates from the Wittgenstein Centre and the current study. It is important to note that mean years of schooling is not the main outcome of our current work, which is focused on other metrics of the distribution and inequality in education that are more relevant to SDG targets. Nevertheless, comparing this feature of the distribution of education—the mean—may serve as a helpful heuristic in understanding some of the methodological differences between our work and other education modelling exercises, and the implications for the interpretation of results. We compare our estimates to the Wittgenstein Medium (SSP2) education/population growth scenario which assumes a continuation of recent trends and global convergence. For the in-sample period close to the base year of the Wittgenstein estimates our results are highly concordant, with correlation coefficients over .9 in every 5-year increment observed. However, we observe that our approach produces slightly more optimistic results in the forecasts than the baseline Wittgenstein scenarios. Importantly, we also show a wider range of country-level values, with a greater degree of outliers, which is logical in the absence of convergence assumptions. We feel that this is appropriate for a country-level benchmarking and forecasting exercise. Nevertheless, we

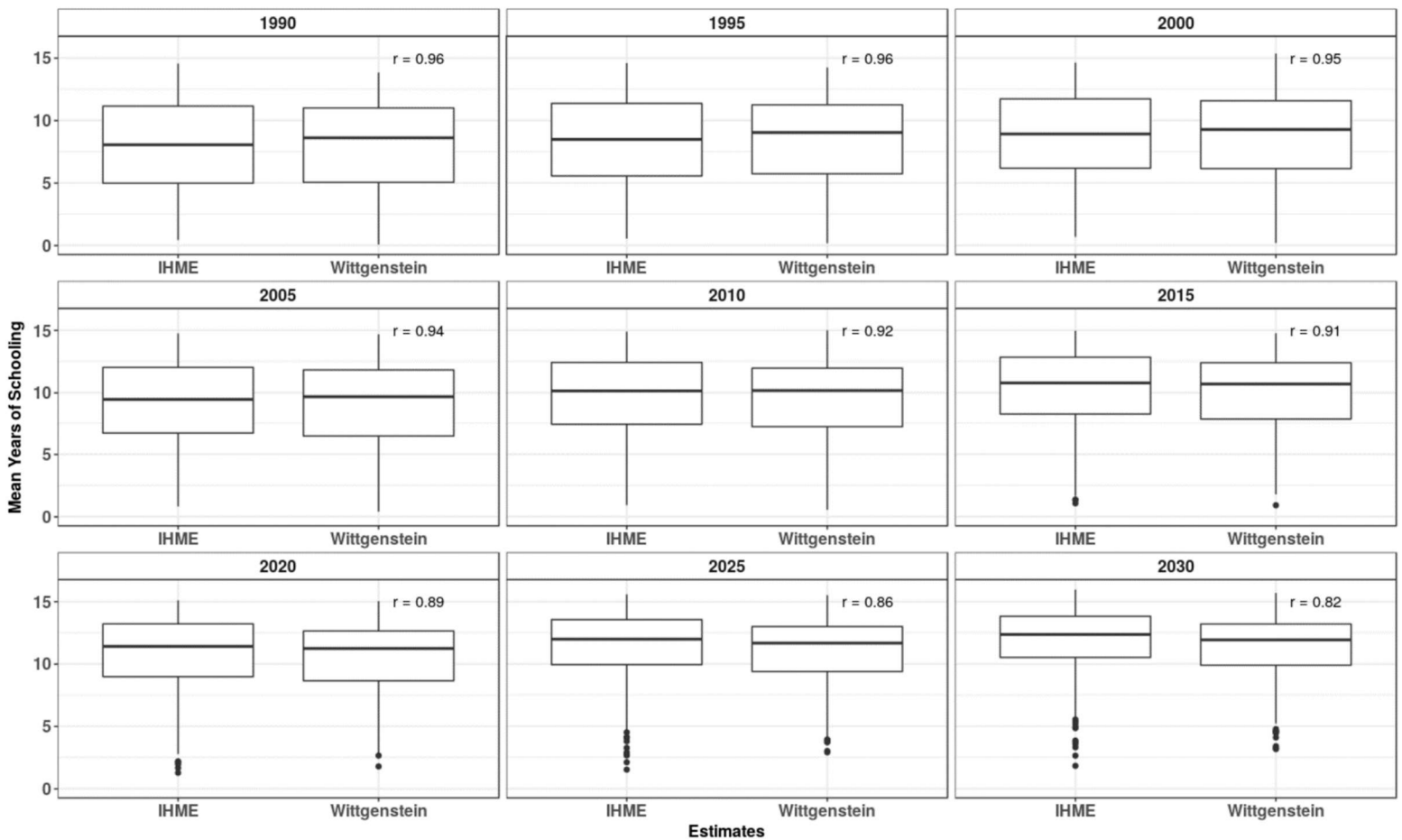


Supplemental Figure 5. Mean Years of Schooling from Barro-Lee and Current Study

Each point represents the average years of schooling for a country-year-age-sex group with overlapping data between the Barro and Lee 2013 estimates and the current study. All values reflect individuals age 25-29.

note that our estimates do show a significant degree of global convergence in the forecasted results, which is to be expected as countries approach inherent limits in bounded phenomena.

Finally, we reiterate that this exercise is not meant to be a comprehensive comparison between our work and prior efforts to model the distribution of education. The main outcome measures and contributions of our work are not directly comparable. Nevertheless, these limited comparisons may shed some light on systematic differences in methodological approach and the interpretation of results.



Supplemental Figure 6. Mean Years of Schooling from Wittgenstein Centre and Current Study

Each boxplot represents the distribution of average years of schooling for a country-year-age-sex group with overlapping data between the most recent Wittgenstein Centre estimates and the current study. All values reflect individuals age 25-29. The box and central line represent the 25th, 50th (median) and 75th percentiles of each distribution. The top whisker (vertical line) represents the largest value equal to or lower than 1.5 times the inter-quartile range plus the 75th percentile. The bottom whisker represents the smallest value equal to or greater the 25th percentile plus 1.5 times the inter-quartile range minus. Values outside of this range are shown with a point. The distribution of mean values is shown across countries and is not weight by population size. Pearson correlation coefficients are shown for each year and were fit on $n=348$ country-sex-year specific estimate pairs for years before and including 2010, and $n=374$ country-sex-year specific estimate pairs for the year 2015 and after.

Limitations

Creating comparable estimates of education is made more challenging by the great degree of heterogeneity in national education systems. For example, instead of modeling attainment of

“secondary education” using country-specific standards than can vary widely from 8 to 13 years, we employ globally standardized metrics of the number of individuals completing 12 years of schooling. These have the advantage of creating comparable metrics of attainment between countries but are not able to acknowledge particularities between schooling systems, and capture variations in the social capital that 12 years of education may confer in a given country. Our estimates also do not reflect the quality of education, simply the quantity of years attained. Schooling hours and quality of instruction vary between and within countries^{8,9,21,22}, which is an important mediator of the importance of education for health and development not accounted for here^{23–25}. We also do not include the importance of non-traditional sources of education, such as open online courses²⁶, or other forms of learning outside of formal classroom environments.

Our analysis, like any exercise in prediction, is also limited by data availability. Data quality and the number of available data points differ by country. Therefore, we leverage regional information to make predictions about temporal trends in many countries. We may consequently be missing important country-specific trends in data-sparse areas. Nations with smaller populations and less developed economies tend to have more data gaps. These gaps are reflected in wider prediction intervals, which should be considered in the interpretation of results. We also explicitly examine our ability to reliably extrapolate using out-of-sample predictive validity (see supplement).

Our projections assume that trends observed in recent decades will continue into the future. We do not leverage expert knowledge or model the capacity of the education system directly. This approach may fall short in certain cases when inherent limitations of the educational system, e.g. the number of universities, may represent unobserved covariates that will lead to unexpected changes in trends. Nevertheless, a comparison to previous efforts modelling education for the set of overlapping countries and years shows a high degree of concordance between our estimates and previous measures. It is also important to note that international migration is an important factor that could affect the interpretation of our results. Differential migration by level of education could, for example, change the apparent equality of education in a country, regardless of how equally the educational system of that country actually operates. Finally, it is important to consider that most data sources conflate sex and gender and we are unable to differentiate between these different dimensions in a meaningful way in this work.

Model Selection and Predictive Validity

In order to determine the hyperparameters and model specifications for each model in our analysis, including source type adjustment, cohort extrapolation model, K-nearest neighbors algorithm, and forecasting models, we used several out-of-sample predictive-validity (OOS-PV) tasks^{27–31}. To test how well each model or hyper-parameter set performed, we “knocked-out” a portion of the training database and used the remaining data to make predictions that could be compared directly to the known values. Given that each model varied in its purpose, holdout structures were constructed in a model-specific fashion to best reflection the prediction task at hand. Full details are provided in the sections below.

All models were evaluated using median absolute error, which represents a robust estimate of central tendency that is robust to outliers. We also include median error as a measure of bias, and mean root squared error as alternative error summary statistics. Models were evaluated with respect to total performance in mean years of schooling, as well as other distributional characteristics, such as the proportion with 0 years of schooling. We also assessed the degree to which OOS-PV varied by decade,

region, and type of data held out. In general, the best performing models tended to perform the best across almost all geographies/time periods, so it was not necessary to use multiple models for a single step.

Data Adjustment Model

The data adjustment model serves to correct for bias between different data sources. There are known sources of non-sampling error in educational data series, and we leverage information about these systemic differences to make adjustments to input data. This first requires the definition of “gold standard” data sources, which are presumed to be the most correct data source on average. In almost all cases we used IPUMS or DHS data as the gold standard, given their large sample sizes, transparent methods, and standardized data presentation format. For each region, IPUMS or DHS data were chosen as the gold standard depending on which source had more years of available data. That regional gold standard was subsequently also chosen for each country in the region, to serve as the country-specific gold standard, if there was at least one data point in that country from the data provider. If, for example, IPUMS was considered the regional gold standard, but a country in that region only had DHS data, then DHS would be chosen for the country. A country with both IPUMS and DHS data would follow the regional choice.

The data adjustment model makes corrections for two types of situations. A) when multiple data sources, including gold standard data, are available for the same country, and B) when no gold standard data is available for each country, but we still wish to correct for known underlying biases in the data providers that are available for that country. We therefore employ a model that acts on each of these levels, and consequently, design holdouts to test the predictive validity for each level. The models were compared to a baseline approach, of simply not adjusting the data.

Task 1: No Gold Standard Data Available

In this task, we simulate the total lack of gold standard data for a country, by removing all of the IPUMS or DHS data from one third of the locations for which it is present. We subsequently run the full model and compare—all other variables held constant—how predictive validity varies by model. In effect, the two-thirds of remaining gold standard data was used to adjust all non-gold-standard data, which was then compared to the “held-out” one third of the gold standard data. This had the effect of simulating the instances in which some gold standard data was present in the region, but not present in a country of interest, to see how well regional adjustments could apply across countries. Put another way, we assessed the degree to which biases by data provider were consistent between countries.

This was repeated three times, to minimize the impact of random noise on the OOS-PV statistics. The resulting error statistics were averaged over the three iterations to produce the visualizations below. This task sought to capture the ubiquitous bias by data provider that can be introduced via sampling and survey methodologies. For instance, phone-based surveys such as Eurobarometer, because they only access populations with a connection to a phone, can easily overestimate the educational attainment of a population, and so they should be adjusted downward accordingly.

Task 2: Gold Standard Data Present

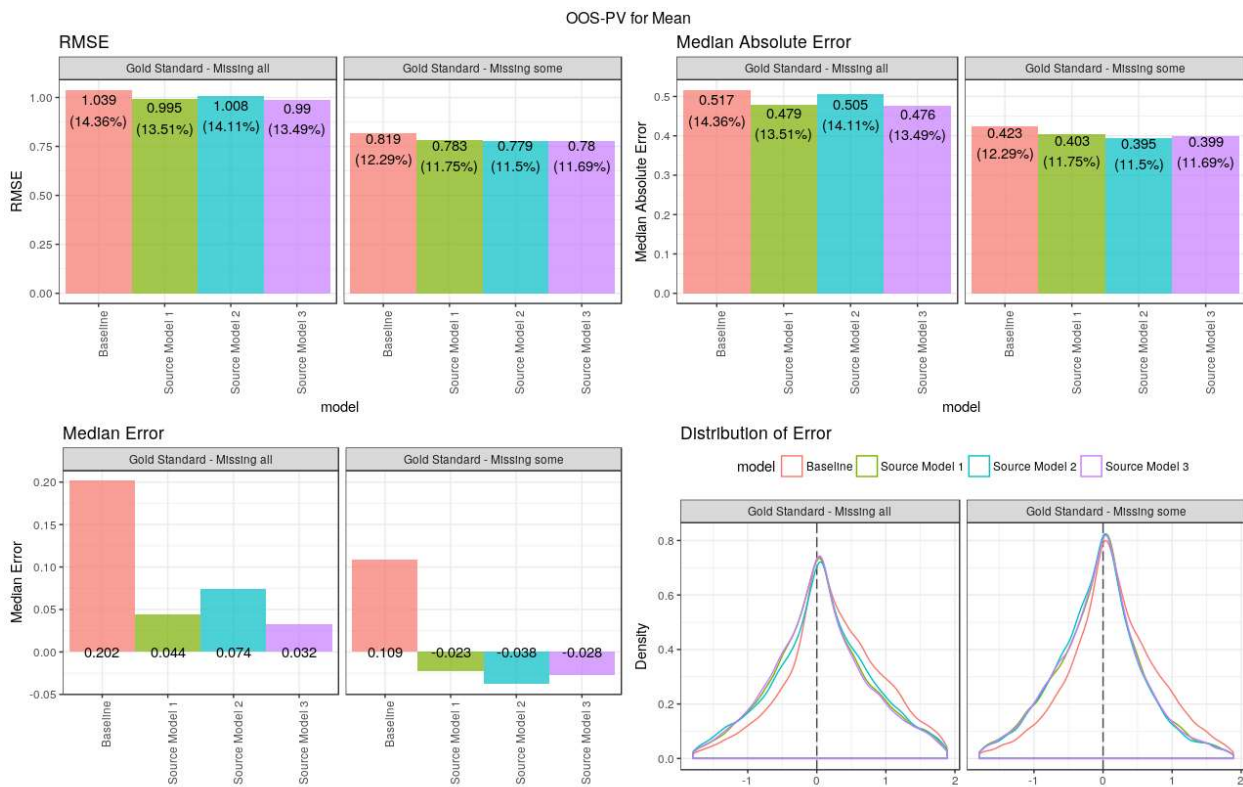
In this task, we removed some, but not all, of the gold standard data points for locations in which there were more than two observations of gold standard data. In countries where there is more than one observation, we removed half of the data in order to test how well our data adjustment model performed. This assesses how well the model adjusts for bias within a country that does have gold standard data present. By removing half of the gold standard data, and using the remaining half to adjust non-gold-standard sources, we can assess the reliability of these adjustments, relative to the held-out gold standard data. This was repeated twice, and the resulting error statistics were averaged over the two iterations to produce the final validity statistics.

The models assessed for data adjustment all took the basic form:

$$\text{logit}(P_{Q,A,S,Y,L}) = \beta_0 + \beta_1 * \text{Age} + \beta_2 * \text{Location} + \beta_3 * \text{Year:Location} + \beta_4 * \text{Sex:Location} + u_{\text{survey type}} + u_{\text{location:survey type}}$$

Where $P_{Q,A,S,Y,L}$ is the quantity of interest (either proportion of the population with no education or mean years of educational attainment) for a given age, sex, year, location combination. $u_{\text{survey type}}$ is a region-specific random effect which captures the average bias between surveys and censuses across all countries within that region and $u_{\text{location:survey type}}$ is a location-specific random effect which captures

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Supplemental Figure 7. OOS-PV Statistics for Source-Type Adjustment Candidate Models

The baseline model, shown in red, represents no data provider adjustment. It is compared to the 3 candidate data source models, as specified above. Predictive validity statistics were calculated for the ‘Gold Standard – Missing All’ and ‘Gold Standard – Missing Some’ prediction tasks using n=17,431, and n=16,489 country-year-age-sex-data provider specific error values respectively.

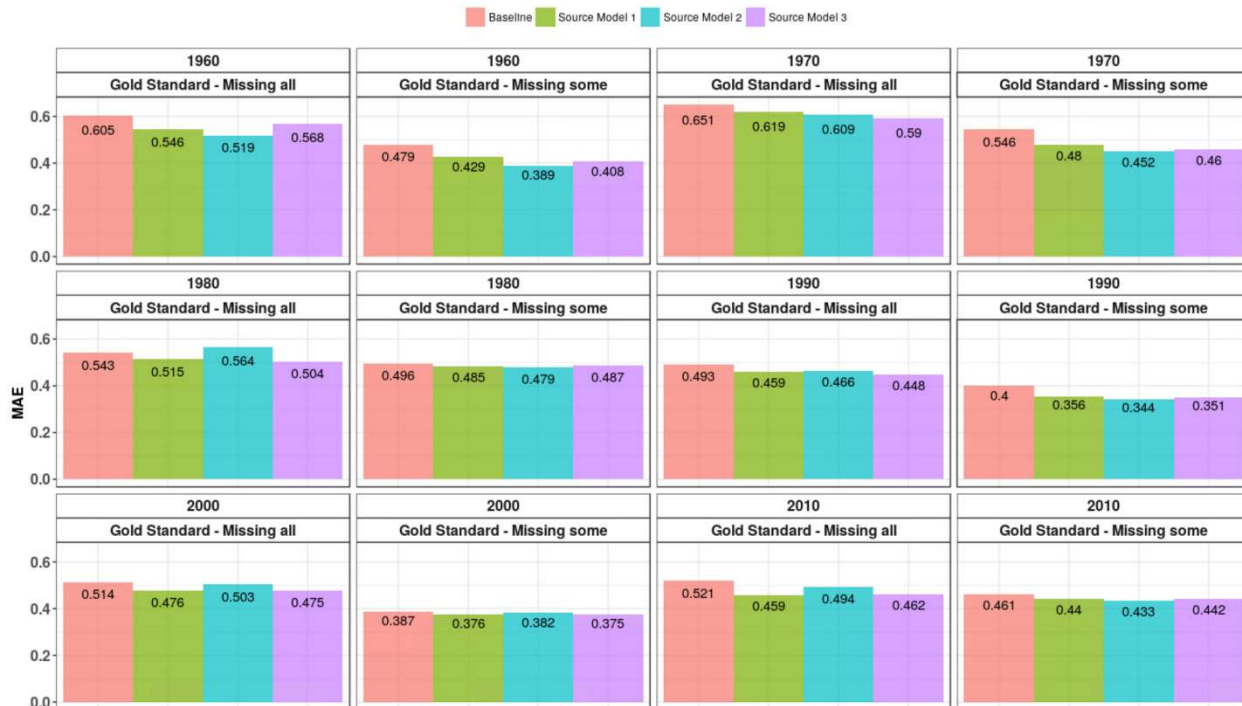
the additional bias between a location-specific gold standard (where applicable) and the other sources present in that location. The above model was run either separately by demographic group where:

- Model 1 was run separately by region and sex,
- Model 2 was run separately by super-region, and
- Model 3 was run separately by region.

Results

All model specifications showed improved performance across all metrics as compared to the baseline mode, representing no adjustment. This was true overall (supplemental figure 7) and when stratified by decade (supplemental figure 8). This validated the decision to perform some kind of data adjustment as opposed to leaving the input data unadjusted. The best performing model across the two tasks was model 3, which was run separately by region, though model 2 did perform slightly better in instances where some gold standard data were available. This result suggests that survey series vary consistently by region, and gender is a less important dimension. While it could be possible that some surveys which only target heads of households or women might have a gender-specific bias to them, that was not observed in a systematic manner in our results. It is important to note that “region” and “super region” are used here as defined in the global burden of disease study (GBD)³². In the main text we use GBD super-regions, and refer to them as “regional groupings” for simplicity.

MAE for Mean by Decade and Task



Supplemental Figure 8. OOS-PV for Source-Type Adjustment Candidate Models by Decade and Task. The baseline model, shown in red, represents no data provider adjustment. It is compared to the 3 candidate data source models, as specified above. Predictive validity statistics were calculated for the ‘Gold Standard – Missing All’ and ‘Gold Standard – Missing Some’ prediction tasks using n=17,431, and n=16,489 country-year-age-sex-data provider specific error values respectively.

Cohort Extrapolation

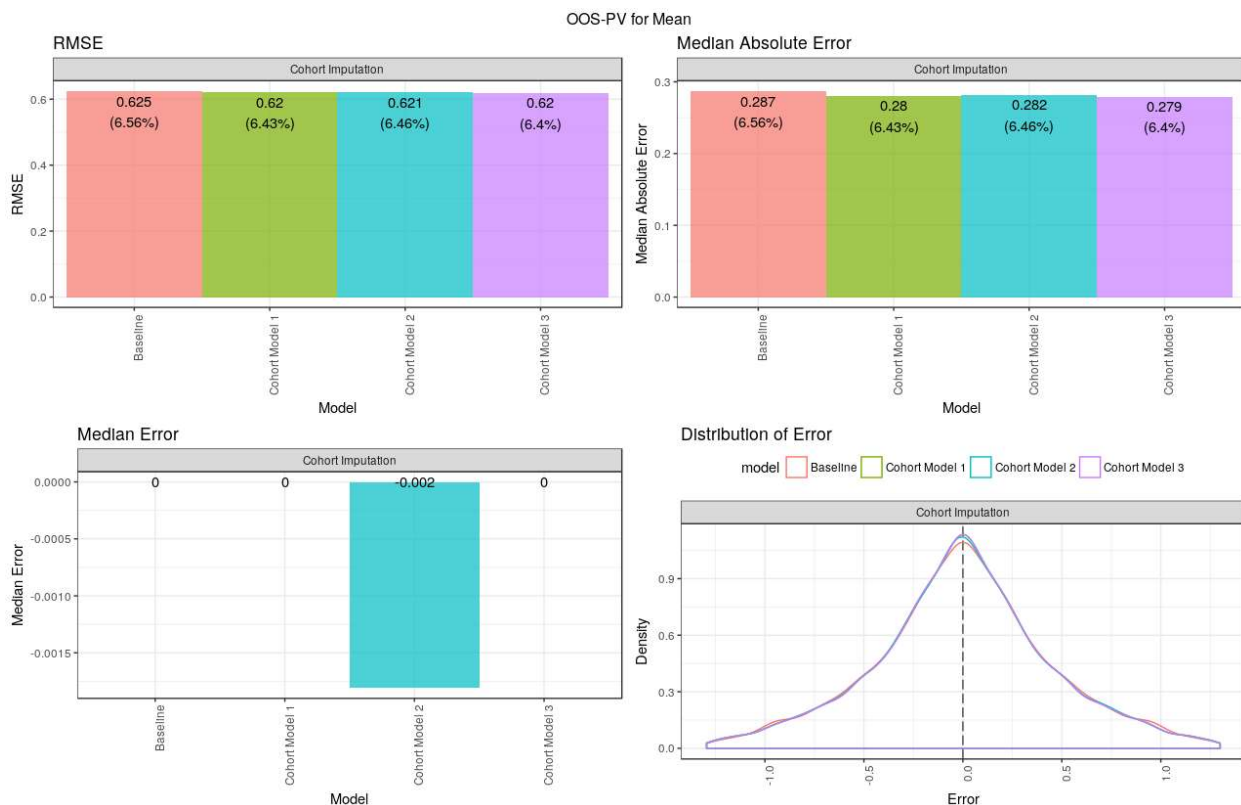
The cohort extrapolation model seeks to leverage the stability of the educational attainment of cohorts over time. This feature of education has been widely used for modeling purposes in numerous analyses^{7,13,33}. Within a cohort, education is fairly stable after age 25. For example, the education of 35-year old's in 2000 is likely to be highly similar to the education of 45-year old's in 2010. However, we do wish to capture differential mortality by education over age 65. To test how well our extrapolation model performed, we used data from repeated surveys or censuses repeated at regular intervals. We only used data from within a single data family, e.g. DHS surveys from 2000 and 2005 from the same country. We used an OSS-PV approach, in which we held out repeat observations of the same cohort over time. In a 3-fold knockout scheme, one third of all sources containing repeat observations of a cohort over time were held out. We subsequently ran only the cohort extrapolation model, and the resulting adjusted data were compared against extrapolated data in which no change in education over time was assumed. The resulting error statistics were averaged over the three iterations to produce final predictive validity statistics.

The models considered include:

Model 1 - $y_{Q,L,S,C,A_x} = I + u_{Location:Super\ Region}$

Model 2 - $y_{Q,L,S,C,A_x} = I + u_{Location:Region}$

Model 3 - $y_{Q,L,S,C,A_x} = I + u_{Sex:Location:Super\ Region}$



Supplemental Figure 9. OOS-PV for Cohort-Extrapolation Candidate Models

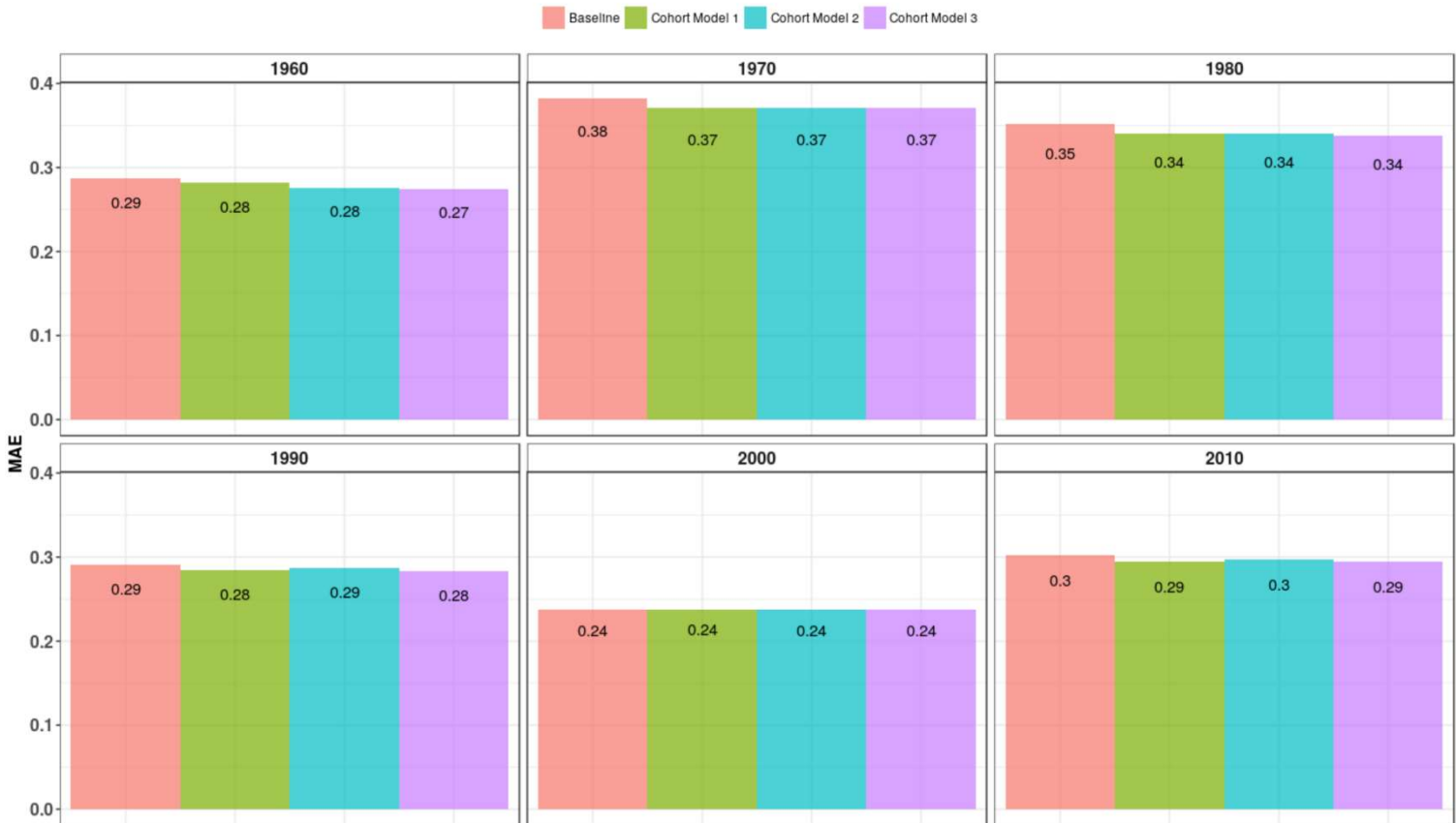
The performance of the three candidate models is shown for predicting within-cohort change in mean educational attainment over time, as compared to a baseline model which assumes no change. For each model, predictive validity statistics were calculated over n=11,126 country-year-cohort-sex-data provider specific error values.

Where l is a natural spline with a knot at age 70 intended to capture the potential nonlinearity in the rate of change of differential mortality by education over age and u is a random intercept at varying levels of geography and sex

Results

All three models showed improvements in OOS-PV over the baseline model which assumed no differential mortality by education (supplemental figure 9). This was also observed almost uniformly when stratified by decade (shown in supplemental figure 10). Nevertheless, improvements in predictive validity were modest. This is likely due to the scarcity of data tracking cohorts between the ages of 65 and 85. Survey series like the DHS often have small sample sizes at older ages due to sampling techniques, causing diminished signal of change in the mean educational attainment of a cohort over time. Furthermore, global coefficients are applied to all cohorts, when the effects of education on preventing early adult mortality may differ by geography. Finally, these results do not account for differential migration by educational attainment. Despite these limitations, this model does show an improvement over the baseline model and has important implications for the final estimates.

MAE for Mean by Decade



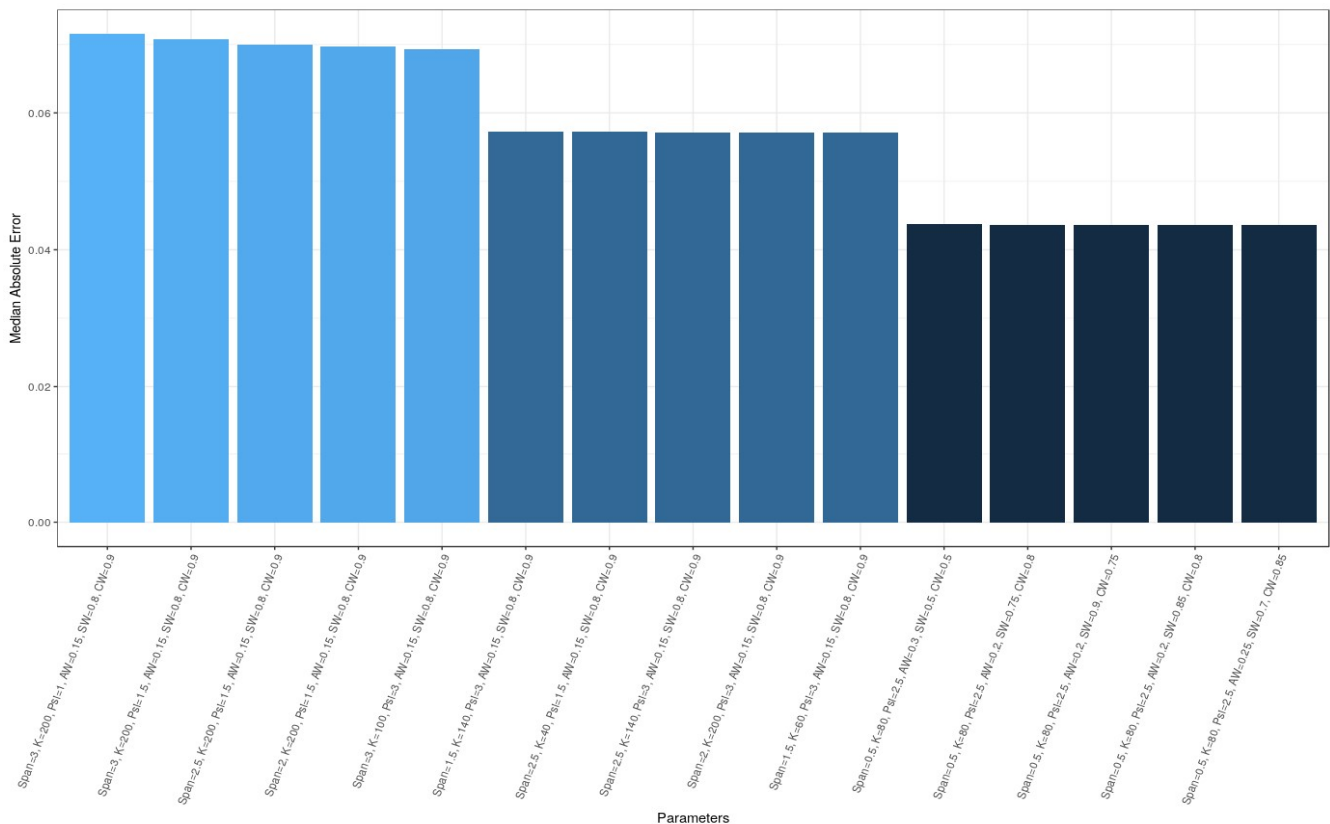
Supplemental Figure 10. OOS-PV for Cohort-Extrapolation Candidate Models by Decade

The performance of the three candidate models is shown for predicting within-cohort change in mean educational attainment over time, as compared to a baseline model which assumes no change. Results are stratified by decade. For each model, predictive validity statistics were calculated over n=11,126 country-year-cohort-sex-data provider specific error values

Ensemble K-Nearest Neighbors Distribution Model

The K Nearest Neighbors Distribution Model has a number of hyper-parameters (as defined in the methods section) which were optimized using OOS-PV. Essentially, we wanted to choose the set of hyper-parameters that would best allow us to predict distributions out of sample. We divided our dataset into two portions, 90% training data and 10% testing data. We fit the model using the training data and compared our results out of sample to the testing data that was held out. This was repeated 3 times to reduce random noise. Only gold standard data, from IPUMS and DHS, were used as testing data in this exercise due to their consistently large sample sizes and reporting data in single-year bins. A “grid search” of hyperparameter values was conducted, meaning that we tested all possible combinations of the below values:

- K: Multiples of 20 between 20 and 200
- Span: Multiples of 0.5 between 0.5 and 3
- Psi: Multiples of 0.5 between 0.5 and 3
- Age Weight (AW): Multiples of 0.05 between 0.1 and 0.9
- Space Weight (SW): Multiples of 0.05 between 0.1 and 0.9
- Cohort Weight (CW): Multiples of 0.05 between 0.1 and 0.9



Supplemental Figure 11. OOS-PV for KNN Candidate Hyperparameter Specifications

OOS-PV is shown for the top, middle, and bottom-5 performing combinations of hyperparameters. The median absolute error shown reflects the average of performance in various aspects of the distribution, including: 0 education, 1-6 years, 7-12 years, and 13-18 years. Predictive validity statistics were calculated over n= 14,571 country-year-age-sex-knockout round-bin-specific error values.

Error statistics were combined for each multi-year bin of education attainment, including 0 education, 1-6 years, 7-12 years, and 13-18 years. We assessed predictive validity by taking the average median absolute error for each combination of hyperparameters across each level of education (shown in supplemental figure 11).

Results

The algorithm was relatively robust to the choice of hyperparameter specification. The average median absolute error ranged from 0.045 to 0.072 at the extreme ends of the spectrum. Generally speaking, the algorithm performed best at low levels of smoothing (span), with a medium amount of candidate distributions (K), higher weight on distributions closer in space/time/cohort space (Psi), and with a greater emphasis on cohort and space distance than age distance (CW, SW, and AW). The best performing combination of hyperparameters was the following:

- Span = 0.5
- K = 80
- Psi = 2.5
- Age Weight = 0.25
- Space Weight = 0.7
- Cohort Weight = 0.85
-

Forecasting Model

Finally, we assessed the predictive validity of several approaches to forecasting the distribution of education. In this task, the final 10 years of data were held out, and each forecasting models was used to predict the removed period of the data.

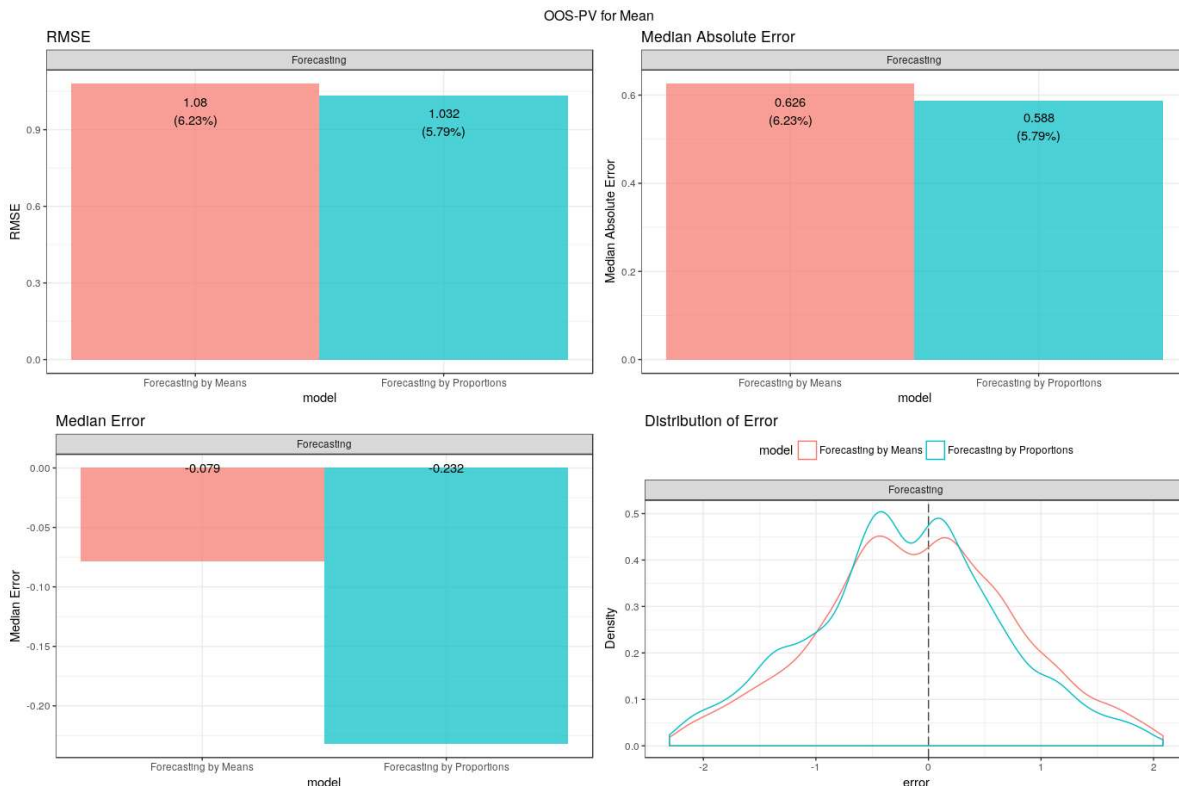
Two model versions, “Forecasting by Means” and “Forecasting by Distributions,” were considered for this predictive task. In the former, the modeling framework specified in the main section of this paper was used for all years 1950-2030. That is to say that a linear prior was fit on the data and used with GPR to produce average educational attainment and proportion of the population with no education estimates throughout 2030. Subsequently, the KNN algorithm was run using these predicted inputs as inputs for choosing candidate distributions. This model assumes that a) it is appropriate to forecast mean years of schooling and the proportion with 0 schooling using linear models, and b) it is appropriate to apply past distributions to these projected parameters using the KNN distribution model. In sum, this model involves using the best-performing version of the main model used in the past and running it forward through 2019-2030 to produce forecasts.

The second model uses the distributions of education previously modeled from 1970 through 2018, as described in the methods section, and extrapolates the rate of change of each component of the distribution. We theorized that because mean years of education have not historically changed linearly, using distributions of single-year bins of educational attainment would be a better choice for extrapolation. If proportions increase more linearly in logit space, then we can more accurately predict these proportions and subsequently calculate a more accurate set of mean years of schooling. This was based on the notion that modeling individual component proportions of the distribution would more closely reflect the underlying mechanism of educational development in populations.

We first calculated the rate of change, separately by country and sex, for each multi-year bins of educational attainment (No education, 1-6 years of education, 7-12 years of education, and 13-18 years of education) for the last 10 years of the estimates. We subsequently apply this rate of change to forecast each timeseries through 2030, After this first stage provides estimates of the coarse bins, we employed a similar rate of change model for each single-year bin of educational attainment, to predict the granular distribution over time. We ensured all proportions were internally consistent with the aforementioned predicted multi-year bins, by raking the sum of the single year bins to the total proportion of each larger bin. Subsequently, we calculated the mean years of schooling from these distributions. Finally, we tested the predicted distributions against the 10 years of held-out testing data.

Results

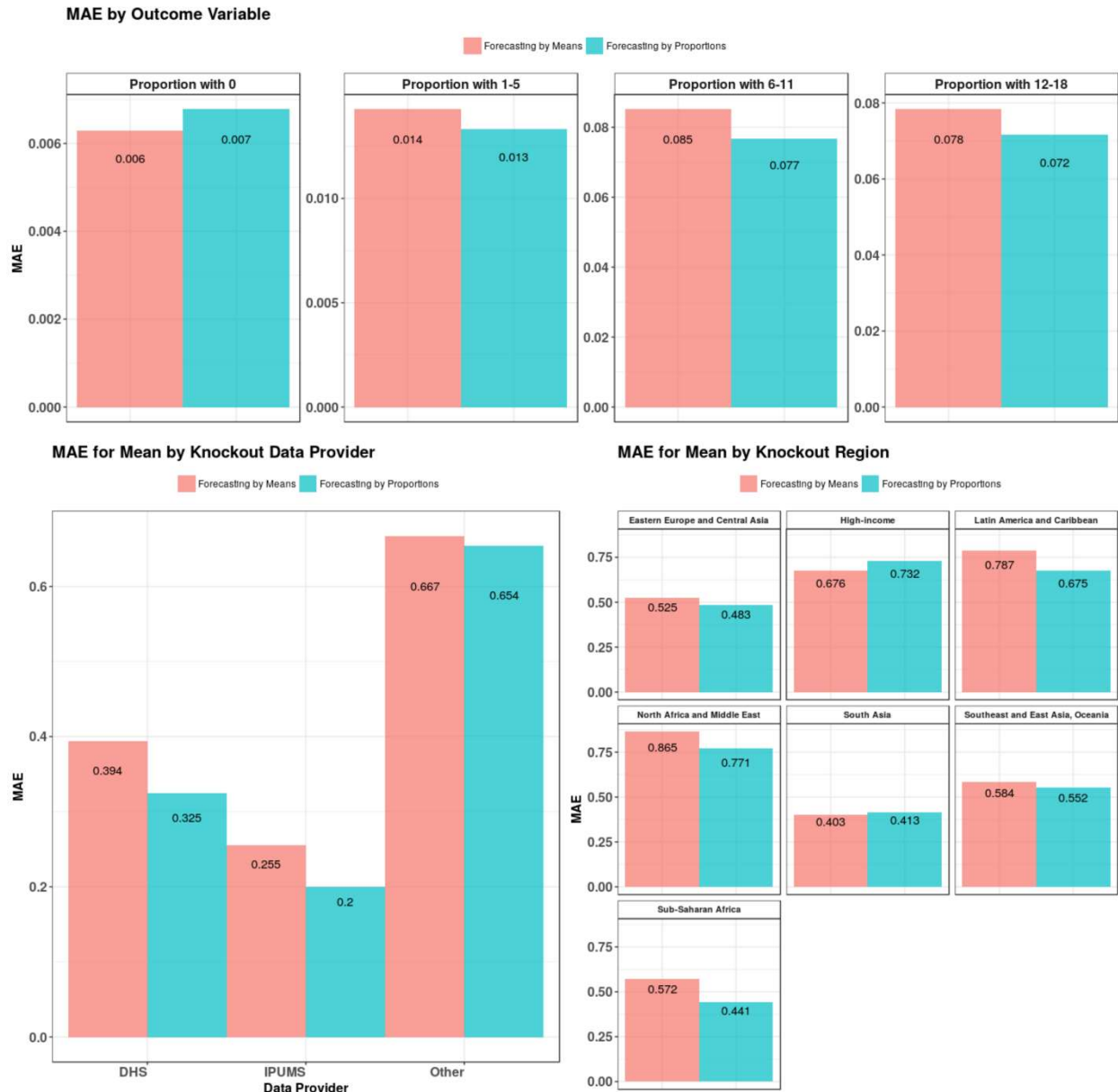
The rate-of-change distribution model had better performance in predicting mean attainment compared to the model that directly forecasts mean attainment. This was evaluated in terms of overall OOS-PV for mean attainment (figure 12). We also assessed performance with respect to other outcome variables, and knockout region and data source (figure 13). This increase in performance is likely due to a more granular, distribution-based model that can better capture the nonlinear growth in mean attainment. While economic development does increase mean statistics linearly for a period, there is an inflection point at which increases in mean educational attainment tend to level off. Using distributions to predict mean educational attainment, is therefore a better choice than using the means themselves for forecasting, as it provides a method of better approximating the mechanisms of educational growth in the population. For example, in many cases the most rapid growth in mean attainment is derived from



Supplemental Figure 12. OOS-PV for KNN Candidate Forecasting Models

OOS-PV is compared for the two candidate forecasting models. All metrics are shown for mean attainment. Predictive validity statistics were calculated over n=13,627 country-year-age-sex-knockout round specific error values.

reductions in the proportion completing zero years of schooling and increases in primary attainment. Once these changes are complete, then the relatively slower growth in secondary schooling would be the dominant driver in changes, reflected in a gradual leveling off of educational attainment. A completely linear model of mean attainment misses this nuance, whereas a distributional model can better approximate this mechanism. This type of distributional model is likely more reflective of the actual governmental levers and policies that are used to increase educational attainment among populations. For example, the elimination of school fees for a particular level of education, changing the number of years of compulsory schooling, building new schools for a particular level, or increasing the number of years required to complete a certain level, are all mechanisms that might create linear expansion in a specific level of schooling.



Supplemental Figure 13. Other Dimensions of OOS-PV Considered for Forecasting Models
 Median absolute error (MAE) is shown by outcome variable, data provider, and knockout region to illustrate other dimensions of variation that were considered in selecting a forecasting model. Predictive validity statistics were calculated over n=13,627 country-year-age-sex-knockout round specific error values.

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Supplemental Tables and Figures

Country	Year	Mean Male	Mean Female	Gender Gap	AID	Mean	Prop 0	Prop 6+	Prop 12+	Prop 15+
Afghanistan	1970	1.27	0.25	-1.01	1.40	0.76	0.89	0.07	0.02	0.01
Afghanistan	2018	7.06	2.44	-4.62	6.29	4.75	0.55	0.39	0.25	0.10
Afghanistan	2030	11.74	5.38	-6.37	7.28	8.56	0.25	0.64	0.51	0.22
Albania	1970	8.50	6.49	-2.01	4.51	7.49	0.05	0.64	0.22	0.06
Albania	2018	10.57	11.06	0.50	3.39	10.81	0.01	0.97	0.49	0.11
Albania	2030	10.84	11.70	0.86	3.35	11.27	0.01	0.98	0.55	0.13
Algeria	1970	1.99	0.69	-1.30	2.20	1.34	0.73	0.09	0.02	0.01
Algeria	2018	10.27	9.72	-0.55	6.19	10.00	0.16	0.79	0.52	0.23
Algeria	2030	12.51	13.02	0.51	4.43	12.77	0.04	0.94	0.72	0.38
American Samoa	1970	9.27	8.83	-0.45	5.33	9.05	0.09	0.80	0.35	0.13
American Samoa	2018	13.00	13.66	0.66	3.33	13.33	0.02	0.98	0.84	0.35
American Samoa	2030	13.69	14.48	0.79	3.14	14.09	0.01	0.99	0.89	0.45
Andorra	1970	11.36	10.66	-0.70	4.44	11.01	0.03	0.91	0.53	0.19
Andorra	2018	13.92	14.18	0.27	3.50	14.05	0.02	0.98	0.84	0.49
Andorra	2030	14.30	14.69	0.39	3.30	14.50	0.01	0.98	0.87	0.57
Angola	1970	2.39	0.58	-1.81	2.35	1.48	0.69	0.10	0.02	0.01
Angola	2018	10.24	7.60	-2.63	5.58	8.92	0.11	0.77	0.35	0.14
Angola	2030	11.67	10.05	-1.62	4.63	10.86	0.02	0.91	0.49	0.20
Antigua and Barbuda	1970	7.87	7.33	-0.54	4.89	7.60	0.07	0.71	0.19	0.08
Antigua and Barbuda	2018	12.25	12.86	0.61	3.19	12.56	0.01	0.98	0.73	0.24
Antigua and Barbuda	2030	12.78	13.51	0.73	2.83	13.14	0.00	0.99	0.82	0.28
Argentina	1970	7.82	7.55	-0.27	4.58	7.69	0.03	0.76	0.26	0.09
Argentina	2018	11.59	12.03	0.44	3.68	11.81	0.00	0.97	0.70	0.26
Argentina	2030	11.94	12.48	0.54	3.25	12.21	0.00	0.99	0.75	0.27
Armenia	1970	11.06	10.65	-0.41	3.26	10.86	0.01	0.96	0.40	0.14
Armenia	2018	12.36	13.24	0.89	2.78	12.80	0.00	0.99	0.74	0.30
Armenia	2030	12.58	13.71	1.13	2.83	13.15	0.00	0.99	0.77	0.35
Australia	1970	9.49	8.69	-0.80	5.12	9.09	0.08	0.81	0.35	0.12
Australia	2018	13.23	13.81	0.59	3.15	13.52	0.01	0.98	0.85	0.36
Australia	2030	13.77	14.67	0.90	2.93	14.22	0.01	0.99	0.91	0.46
Austria	1970	11.12	10.01	-1.12	2.98	10.56	0.00	0.99	0.39	0.07
Austria	2018	12.89	13.10	0.21	2.35	13.00	0.00	0.99	0.84	0.20
Austria	2030	13.07	13.76	0.69	2.42	13.41	0.00	0.99	0.89	0.25

Azerbaijan	1970	10.85	8.72	-2.13	4.32	9.78	0.05	0.86	0.29	0.12
Azerbaijan	2018	12.43	12.36	-0.07	2.96	12.40	0.00	0.99	0.61	0.22
Azerbaijan	2030	12.93	12.70	-0.23	3.04	12.81	0.00	0.99	0.68	0.26
Bahrain	1970	3.82	1.51	-2.31	3.92	2.66	0.60	0.24	0.07	0.03
Bahrain	2018	11.29	10.59	-0.70	6.30	10.94	0.16	0.82	0.63	0.30
Bahrain	2030	13.83	12.73	-1.10	4.70	13.28	0.06	0.94	0.80	0.44
Bangladesh	1970	3.68	1.12	-2.55	3.53	2.40	0.62	0.17	0.04	0.01
Bangladesh	2018	7.58	7.00	-0.57	5.48	7.29	0.16	0.63	0.22	0.09
Bangladesh	2030	9.55	9.76	0.21	5.10	9.66	0.04	0.82	0.38	0.19
Barbados	1970	8.54	8.19	-0.35	4.17	8.36	0.01	0.81	0.20	0.07
Barbados	2018	13.10	13.66	0.57	2.89	13.38	0.00	0.99	0.84	0.32
Barbados	2030	13.67	14.33	0.66	2.89	14.00	0.00	0.99	0.90	0.42
Belarus	1970	10.36	10.10	-0.27	4.12	10.23	0.02	0.88	0.34	0.12
Belarus	2018	13.49	14.32	0.82	2.86	13.91	0.00	0.99	0.88	0.38
Belarus	2030	14.09	14.77	0.68	2.77	14.43	0.00	0.99	0.92	0.47
Belgium	1970	10.35	9.42	-0.93	5.21	9.88	0.07	0.90	0.40	0.20
Belgium	2018	13.63	14.17	0.54	3.15	13.90	0.01	0.99	0.85	0.46
Belgium	2030	13.86	14.64	0.78	3.00	14.25	0.01	0.99	0.88	0.52
Belize	1970	5.37	5.09	-0.28	4.91	5.23	0.22	0.46	0.10	0.05
Belize	2018	9.54	9.75	0.21	4.54	9.65	0.03	0.87	0.35	0.13
Belize	2030	10.53	10.80	0.27	3.93	10.67	0.01	0.94	0.42	0.15
Benin	1970	1.48	0.43	-1.05	1.72	0.96	0.86	0.08	0.02	0.01
Benin	2018	6.51	3.42	-3.09	5.70	4.96	0.42	0.44	0.16	0.05
Benin	2030	9.11	6.01	-3.11	6.00	7.56	0.20	0.66	0.32	0.10
Bermuda	1970	6.62	7.40	0.78	6.15	7.01	0.27	0.62	0.26	0.10
Bermuda	2018	11.41	12.79	1.38	4.84	12.10	0.07	0.91	0.66	0.32
Bermuda	2030	12.13	13.43	1.30	4.28	12.78	0.05	0.94	0.72	0.36
Bhutan	1970	0.49	0.19	-0.30	0.65	0.34	0.95	0.03	0.01	0.00
Bhutan	2018	5.09	3.97	-1.12	5.35	4.53	0.43	0.37	0.12	0.05
Bhutan	2030	7.22	8.00	0.79	5.82	7.61	0.15	0.63	0.27	0.12
Bolivia	1970	5.77	3.80	-1.97	5.11	4.78	0.27	0.38	0.12	0.06
Bolivia	2018	10.70	9.78	-0.92	4.67	10.24	0.03	0.86	0.45	0.16
Bolivia	2030	11.39	10.82	-0.57	3.90	11.10	0.01	0.93	0.52	0.16
Bosnia and Herzegovina	1970	8.94	5.41	-3.52	5.15	7.17	0.13	0.62	0.19	0.06
Bosnia and Herzegovina	2018	12.05	12.07	0.02	2.94	12.06	0.01	0.98	0.66	0.16
Bosnia and Herzegovina	2030	12.34	12.67	0.33	2.98	12.51	0.00	0.99	0.71	0.20
Botswana	1970	2.80	2.51	-0.29	3.65	2.66	0.52	0.21	0.04	0.01
Botswana	2018	9.60	9.83	0.23	4.08	9.72	0.04	0.88	0.37	0.09
Botswana	2030	10.65	10.75	0.10	3.24	10.70	0.01	0.95	0.46	0.10
Brazil	1970	4.03	3.81	-0.23	4.38	3.92	0.30	0.24	0.06	0.04
Brazil	2018	9.72	10.34	0.62	5.13	10.03	0.03	0.81	0.36	0.21
Brazil	2030	11.28	11.82	0.53	4.53	11.55	0.01	0.91	0.53	0.28
Brunei	1970	6.54	3.35	-3.19	5.28	4.94	0.34	0.45	0.12	0.05

Brunei	2018	12.27	11.65	-0.62	4.97	11.96	0.07	0.91	0.64	0.30
Brunei	2030	13.05	12.78	-0.28	4.34	12.91	0.04	0.95	0.70	0.35
Bulgaria	1970	11.29	10.92	-0.37	3.75	11.10	0.02	0.94	0.50	0.16
Bulgaria	2018	12.57	13.36	0.78	3.12	12.96	0.00	0.99	0.72	0.32
Bulgaria	2030	12.84	13.89	1.05	3.05	13.36	0.00	0.99	0.79	0.34
Burkina Faso	1970	0.42	0.20	-0.22	0.60	0.31	0.96	0.03	0.01	0.00
Burkina Faso	2018	3.04	1.53	-1.52	3.50	2.28	0.65	0.19	0.05	0.02
Burkina Faso	2030	4.95	2.66	-2.29	4.63	3.81	0.41	0.30	0.08	0.03
Burundi	1970	1.40	0.63	-0.77	1.72	1.02	0.78	0.06	0.01	0.00
Burundi	2018	5.80	4.36	-1.44	5.08	5.08	0.29	0.45	0.11	0.04
Burundi	2030	8.15	7.04	-1.11	4.91	7.60	0.07	0.71	0.20	0.07
Cambodia	1970	3.44	1.65	-1.80	3.20	2.55	0.45	0.18	0.02	0.01
Cambodia	2018	7.10	5.89	-1.20	4.46	6.49	0.08	0.60	0.15	0.04
Cambodia	2030	8.44	7.49	-0.95	4.36	7.97	0.03	0.77	0.23	0.07
Cameroon	1970	3.60	1.14	-2.46	3.45	2.37	0.61	0.20	0.03	0.01
Cameroon	2018	9.78	8.23	-1.55	5.59	9.01	0.12	0.78	0.37	0.14
Cameroon	2030	11.28	10.55	-0.73	4.79	10.92	0.04	0.90	0.55	0.23
Canada	1970	11.90	11.63	-0.27	3.53	11.77	0.01	0.95	0.68	0.16
Canada	2018	13.95	14.25	0.30	2.93	14.10	0.01	0.99	0.91	0.44
Canada	2030	14.26	14.66	0.41	3.04	14.46	0.01	0.98	0.91	0.52
Cape Verde	1970	1.49	0.73	-0.76	2.01	1.11	0.86	0.09	0.03	0.02
Cape Verde	2018	7.31	7.49	0.18	5.73	7.40	0.19	0.66	0.25	0.09
Cape Verde	2030	9.57	9.92	0.35	4.89	9.75	0.04	0.85	0.40	0.16
Central African Republic	1970	1.65	0.31	-1.34	1.67	0.98	0.77	0.06	0.01	0.00
Central African Republic	2018	7.67	4.45	-3.22	5.42	6.06	0.21	0.53	0.16	0.06
Central African Republic	2030	9.62	6.89	-2.74	5.22	8.25	0.06	0.73	0.27	0.11
Chad	1970	0.77	0.23	-0.54	0.95	0.50	0.91	0.04	0.01	0.00
Chad	2018	5.08	1.97	-3.10	4.70	3.53	0.51	0.30	0.09	0.03
Chad	2030	7.51	3.76	-3.75	5.67	5.64	0.27	0.48	0.18	0.06
Chile	1970	7.60	6.76	-0.84	5.19	7.18	0.12	0.66	0.21	0.07
Chile	2018	12.72	12.50	-0.22	3.02	12.61	0.01	0.98	0.76	0.23
Chile	2030	13.19	13.10	-0.08	2.71	13.14	0.00	0.99	0.82	0.27
China	1970	5.70	3.50	-2.20	4.33	4.60	0.28	0.47	0.06	0.02
China	2018	11.45	12.32	0.87	3.86	11.88	0.01	0.97	0.60	0.25
China	2030	13.27	14.01	0.74	3.27	13.64	0.00	0.99	0.80	0.45
Colombia	1970	4.73	4.27	-0.46	4.33	4.50	0.20	0.34	0.07	0.04
Colombia	2018	10.57	10.47	-0.10	4.42	10.52	0.02	0.91	0.45	0.17
Colombia	2030	11.57	11.40	-0.16	3.67	11.48	0.01	0.97	0.58	0.19
Comoros	1970	1.07	0.34	-0.74	1.31	0.71	0.88	0.06	0.02	0.01
Comoros	2018	9.64	8.12	-1.52	6.33	8.88	0.17	0.74	0.40	0.18
Comoros	2030	11.17	10.83	-0.34	5.47	11.00	0.06	0.87	0.54	0.27
Congo	1970	5.37	1.39	-3.98	4.38	3.38	0.49	0.29	0.06	0.02
Congo	2018	11.72	11.30	-0.42	4.04	11.51	0.03	0.94	0.60	0.20

Congo	2030	12.76	12.78	0.03	3.51	12.77	0.01	0.98	0.73	0.28
Costa Rica	1970	6.74	6.04	-0.70	4.98	6.39	0.10	0.60	0.14	0.08
Costa Rica	2018	10.75	10.79	0.04	4.30	10.77	0.02	0.93	0.47	0.19
Costa Rica	2030	11.22	11.32	0.10	3.69	11.27	0.01	0.96	0.54	0.17
Cote d'Ivoire	1970	1.68	0.42	-1.26	1.88	1.05	0.84	0.09	0.02	0.01
Cote d'Ivoire	2018	7.01	4.45	-2.55	6.03	5.73	0.36	0.51	0.21	0.07
Cote d'Ivoire	2030	9.07	7.08	-1.99	5.99	8.08	0.17	0.70	0.36	0.11
Croatia	1970	10.06	8.20	-1.85	4.41	9.13	0.04	0.81	0.30	0.10
Croatia	2018	12.58	13.34	0.75	2.69	12.96	0.00	0.99	0.78	0.25
Croatia	2030	12.76	13.73	0.97	2.79	13.24	0.00	0.99	0.76	0.30
Cuba	1970	7.60	6.88	-0.73	5.66	7.24	0.19	0.67	0.23	0.08
Cuba	2018	12.28	13.05	0.77	3.57	12.67	0.01	0.99	0.72	0.23
Cuba	2030	12.78	13.83	1.05	3.28	13.30	0.00	0.99	0.80	0.27
Cyprus	1970	9.15	7.16	-1.99	5.42	8.16	0.10	0.70	0.31	0.11
Cyprus	2018	13.51	14.16	0.65	3.31	13.84	0.01	0.98	0.86	0.46
Cyprus	2030	13.81	14.96	1.15	3.20	14.38	0.01	0.99	0.87	0.56
Czech Republic	1970	11.78	11.29	-0.50	2.75	11.53	0.01	0.98	0.57	0.10
Czech Republic	2018	13.02	13.58	0.56	2.24	13.30	0.00	0.99	0.91	0.22
Czech Republic	2030	12.73	14.34	1.61	2.82	13.54	0.00	0.97	0.93	0.30
Democratic Republic of the Congo	1970	5.63	1.41	-4.22	4.38	3.52	0.44	0.28	0.06	0.02
Democratic Republic of the Congo	2018	11.58	9.62	-1.96	4.90	10.60	0.06	0.88	0.50	0.19
Democratic Republic of the Congo	2030	13.06	11.91	-1.15	3.89	12.48	0.01	0.97	0.69	0.28
Denmark	1970	12.85	12.26	-0.59	3.80	12.56	0.02	0.97	0.71	0.28
Denmark	2018	14.62	14.99	0.36	2.49	14.81	0.00	0.99	0.90	0.63
Denmark	2030	15.15	15.43	0.27	2.50	15.29	0.01	0.99	0.92	0.72
Djibouti	1970	1.01	0.32	-0.69	1.23	0.66	0.88	0.05	0.02	0.01
Djibouti	2018	8.89	5.51	-3.38	6.52	7.20	0.26	0.60	0.30	0.12
Djibouti	2030	11.16	8.81	-2.35	5.88	9.99	0.06	0.80	0.46	0.22
Dominica	1970	9.23	9.67	0.44	5.03	9.45	0.07	0.83	0.36	0.13
Dominica	2018	13.66	14.31	0.65	3.26	13.99	0.01	0.98	0.88	0.46
Dominica	2030	14.26	14.97	0.72	2.95	14.62	0.01	0.99	0.92	0.55
Dominican Republic	1970	4.42	3.82	-0.61	4.31	4.12	0.26	0.31	0.07	0.03
Dominican Republic	2018	9.57	10.33	0.76	4.95	9.95	0.04	0.84	0.44	0.16
Dominican Republic	2030	10.43	11.27	0.84	4.40	10.85	0.02	0.90	0.52	0.18
Ecuador	1970	6.07	5.37	-0.70	5.06	5.72	0.17	0.51	0.13	0.07
Ecuador	2018	11.72	11.75	0.02	3.65	11.73	0.02	0.96	0.61	0.19
Ecuador	2030	11.92	12.03	0.12	3.00	11.98	0.00	0.98	0.61	0.16
Egypt	1970	5.11	2.05	-3.06	5.07	3.58	0.58	0.30	0.14	0.06
Egypt	2018	12.74	11.06	-1.68	5.68	11.90	0.12	0.87	0.68	0.35
Egypt	2030	14.01	13.66	-0.35	4.21	13.83	0.04	0.95	0.81	0.46
El Salvador	1970	3.91	3.04	-0.87	4.13	3.47	0.37	0.30	0.06	0.03
El Salvador	2018	8.81	8.50	-0.31	5.35	8.65	0.08	0.77	0.31	0.13
El Salvador	2030	9.74	9.79	0.04	4.79	9.77	0.04	0.87	0.38	0.15

Equatorial Guinea	1970	5.74	1.80	-3.95	4.32	3.77	0.36	0.30	0.06	0.02
Equatorial Guinea	2018	13.66	12.80	-0.86	3.54	13.23	0.02	0.97	0.80	0.36
Equatorial Guinea	2030	14.57	13.92	-0.65	2.93	14.24	0.00	0.99	0.90	0.45
Eritrea	1970	1.25	0.36	-0.89	1.45	0.80	0.85	0.06	0.01	0.00
Eritrea	2018	8.11	4.64	-3.47	5.72	6.37	0.23	0.56	0.20	0.07
Eritrea	2030	10.43	7.06	-3.37	5.56	8.74	0.06	0.75	0.34	0.14
Estonia	1970	12.05	12.42	0.37	3.06	12.23	0.00	0.99	0.64	0.24
Estonia	2018	13.48	14.36	0.88	3.13	13.92	0.00	0.99	0.89	0.41
Estonia	2030	13.92	15.44	1.51	3.25	14.68	0.00	0.99	0.92	0.50
Ethiopia	1970	0.75	0.20	-0.55	0.90	0.47	0.92	0.03	0.01	0.00
Ethiopia	2018	5.89	3.09	-2.80	5.13	4.49	0.38	0.39	0.11	0.04
Ethiopia	2030	8.08	5.56	-2.53	5.44	6.82	0.15	0.60	0.18	0.08
Federated States of Micronesia	1970	7.76	4.64	-3.11	5.88	6.20	0.27	0.56	0.21	0.08
Federated States of Micronesia	2018	11.21	10.94	-0.27	4.44	11.07	0.03	0.92	0.54	0.19
Federated States of Micronesia	2030	11.95	11.99	0.04	3.88	11.97	0.01	0.96	0.63	0.22
Fiji	1970	6.79	5.86	-0.93	3.98	6.33	0.08	0.64	0.10	0.04
Fiji	2018	12.11	12.59	0.49	3.09	12.35	0.00	0.99	0.69	0.21
Fiji	2030	12.90	13.53	0.63	2.98	13.22	0.00	0.99	0.80	0.31
Finland	1970	10.65	10.69	0.04	4.35	10.67	0.02	0.92	0.51	0.17
Finland	2018	13.69	14.57	0.88	3.20	14.13	0.00	0.99	0.86	0.52
Finland	2030	14.34	15.16	0.82	3.19	14.75	0.00	0.99	0.88	0.61
France	1970	9.60	9.14	-0.46	4.94	9.37	0.04	0.67	0.39	0.12
France	2018	13.52	13.97	0.45	3.26	13.74	0.01	0.99	0.81	0.42
France	2030	14.15	14.86	0.71	3.19	14.50	0.00	0.99	0.87	0.54
Gabon	1970	4.54	1.67	-2.86	4.06	3.10	0.50	0.25	0.05	0.02
Gabon	2018	11.68	11.82	0.15	4.42	11.75	0.04	0.93	0.62	0.25
Gabon	2030	12.99	13.18	0.18	3.72	13.08	0.01	0.97	0.76	0.33
Georgia	1970	11.71	11.83	0.12	4.23	11.77	0.04	0.94	0.60	0.24
Georgia	2018	13.40	14.04	0.64	3.06	13.72	0.01	0.99	0.86	0.40
Georgia	2030	13.73	15.06	1.33	3.18	14.39	0.01	0.99	0.90	0.48
Germany	1970	13.48	12.68	-0.81	3.07	13.08	0.00	0.99	0.64	0.29
Germany	2018	14.56	14.69	0.13	2.98	14.63	0.01	0.99	0.91	0.56
Germany	2030	14.50	14.76	0.26	3.13	14.63	0.01	0.98	0.88	0.65
Ghana	1970	5.80	2.19	-3.61	5.40	4.00	0.56	0.36	0.12	0.06
Ghana	2018	11.10	9.44	-1.65	6.02	10.27	0.14	0.81	0.53	0.26
Ghana	2030	12.90	11.95	-0.95	4.45	12.42	0.04	0.94	0.67	0.37
Greece	1970	8.44	7.01	-1.43	4.20	7.72	0.03	0.81	0.23	0.08
Greece	2018	13.00	13.42	0.41	3.26	13.21	0.00	0.99	0.83	0.36
Greece	2030	13.42	14.13	0.71	3.09	13.78	0.00	0.99	0.86	0.43
Greenland	1970	7.98	7.89	-0.09	4.03	7.93	0.02	0.77	0.18	0.06
Greenland	2018	10.20	10.63	0.43	3.59	10.41	0.01	0.96	0.44	0.11
Greenland	2030	10.64	11.14	0.51	3.46	10.89	0.01	0.97	0.50	0.13
Grenada	1970	5.44	5.31	-0.13	3.36	5.38	0.03	0.51	0.07	0.02

Grenada	2018	10.52	11.02	0.50	3.59	10.77	0.01	0.95	0.43	0.12
Grenada	2030	11.26	11.67	0.40	3.12	11.47	0.00	0.98	0.51	0.14
Guam	1970	12.68	11.86	-0.82	3.68	12.27	0.02	0.96	0.71	0.23
Guam	2018	13.76	14.10	0.33	2.97	13.93	0.01	0.99	0.89	0.40
Guam	2030	14.12	14.64	0.52	2.86	14.38	0.00	0.99	0.92	0.49
Guatemala	1970	3.11	2.08	-1.03	3.45	2.60	0.47	0.21	0.04	0.02
Guatemala	2018	7.63	6.72	-0.92	5.39	7.18	0.12	0.66	0.21	0.09
Guatemala	2030	8.97	8.26	-0.71	5.00	8.61	0.05	0.80	0.28	0.13
Guinea	1970	1.29	0.22	-1.07	1.42	0.76	0.91	0.06	0.03	0.02
Guinea	2018	6.59	2.52	-4.06	5.78	4.56	0.49	0.39	0.17	0.07
Guinea	2030	9.21	4.87	-4.34	6.26	7.04	0.24	0.59	0.31	0.10
Guinea-Bissau	1970	1.10	0.27	-0.84	1.26	0.69	0.87	0.05	0.01	0.01
Guinea-Bissau	2018	6.59	3.52	-3.07	5.45	5.06	0.35	0.45	0.14	0.05
Guinea-Bissau	2030	8.42	6.05	-2.37	5.52	7.24	0.14	0.64	0.25	0.08
Guyana	1970	7.10	6.41	-0.68	4.36	6.76	0.06	0.64	0.12	0.05
Guyana	2018	10.73	11.29	0.56	3.84	11.01	0.01	0.94	0.51	0.14
Guyana	2030	11.87	12.41	0.54	3.32	12.14	0.01	0.97	0.72	0.20
Haiti	1970	1.98	1.06	-0.91	2.49	1.52	0.72	0.12	0.02	0.01
Haiti	2018	8.05	6.75	-1.30	5.43	7.40	0.12	0.66	0.22	0.09
Haiti	2030	9.53	8.38	-1.15	5.16	8.95	0.04	0.78	0.32	0.14
Honduras	1970	3.25	2.84	-0.42	3.60	3.05	0.36	0.24	0.04	0.02
Honduras	2018	7.05	7.23	0.18	5.13	7.14	0.09	0.67	0.20	0.09
Honduras	2030	7.96	8.35	0.39	4.94	8.15	0.05	0.76	0.24	0.12
Hungary	1970	10.34	9.52	-0.82	3.54	9.93	0.01	0.91	0.37	0.09
Hungary	2018	12.30	12.80	0.50	2.35	12.55	0.00	0.99	0.81	0.20
Hungary	2030	12.47	13.36	0.89	2.45	12.92	0.00	0.99	0.86	0.26
Iceland	1970	12.91	11.35	-1.56	3.81	12.13	0.01	0.98	0.61	0.29
Iceland	2018	14.30	14.91	0.61	3.08	14.60	0.01	0.99	0.86	0.60
Iceland	2030	14.13	14.55	0.42	3.43	14.34	0.01	0.99	0.82	0.58
India	1970	4.43	1.70	-2.73	4.29	3.06	0.58	0.24	0.06	0.03
India	2018	8.96	8.44	-0.52	6.22	8.70	0.18	0.70	0.35	0.20
India	2030	10.43	11.38	0.95	5.47	10.91	0.07	0.84	0.52	0.33
Indonesia	1970	5.10	2.97	-2.13	4.13	4.03	0.31	0.37	0.07	0.02
Indonesia	2018	10.52	10.73	0.20	4.17	10.63	0.01	0.94	0.56	0.15
Indonesia	2030	11.55	11.92	0.37	3.76	11.73	0.00	0.98	0.65	0.22
Iran	1970	2.99	1.13	-1.87	3.13	2.06	0.64	0.17	0.04	0.01
Iran	2018	11.84	10.57	-1.27	5.98	11.20	0.14	0.84	0.62	0.31
Iran	2030	13.62	13.67	0.05	4.16	13.64	0.04	0.96	0.75	0.44
Iraq	1970	4.78	1.17	-3.61	4.49	2.97	0.65	0.27	0.11	0.05
Iraq	2018	12.51	10.50	-2.01	5.97	11.50	0.14	0.84	0.65	0.33
Iraq	2030	13.90	13.20	-0.70	4.41	13.55	0.05	0.94	0.79	0.45
Ireland	1970	9.27	9.61	0.34	3.78	9.44	0.01	0.98	0.32	0.11
Ireland	2018	13.42	14.12	0.69	3.18	13.77	0.00	0.99	0.79	0.43

Ireland	2030	13.96	14.91	0.95	3.08	14.44	0.00	0.99	0.84	0.53
Israel	1970	11.01	11.27	0.26	5.33	11.14	0.09	0.89	0.53	0.25
Israel	2018	12.83	13.26	0.43	4.54	13.05	0.04	0.95	0.71	0.40
Israel	2030	12.86	13.68	0.82	4.62	13.27	0.05	0.94	0.72	0.43
Italy	1970	8.22	7.07	-1.15	4.34	7.64	0.06	0.62	0.21	0.07
Italy	2018	12.14	12.79	0.65	3.52	12.47	0.00	0.99	0.72	0.23
Italy	2030	12.63	13.74	1.10	3.54	13.19	0.00	0.99	0.79	0.32
Jamaica	1970	6.71	6.76	0.05	3.36	6.73	0.02	0.75	0.11	0.03
Jamaica	2018	12.01	12.89	0.88	3.04	12.45	0.00	0.99	0.69	0.21
Jamaica	2030	12.82	13.67	0.85	2.74	13.24	0.00	0.99	0.84	0.27
Japan	1970	11.71	10.80	-0.91	3.09	11.25	0.00	0.99	0.50	0.15
Japan	2018	14.42	14.58	0.16	2.97	14.50	0.01	0.99	0.89	0.56
Japan	2030	14.53	14.79	0.26	3.49	14.66	0.02	0.98	0.87	0.62
Jordan	1970	7.57	3.03	-4.54	5.75	5.30	0.36	0.49	0.17	0.07
Jordan	2018	13.41	12.91	-0.50	4.50	13.16	0.05	0.94	0.77	0.42
Jordan	2030	14.84	14.53	-0.31	3.88	14.68	0.04	0.96	0.90	0.60
Kazakhstan	1970	9.68	9.04	-0.64	4.16	9.36	0.02	0.85	0.28	0.11
Kazakhstan	2018	12.17	13.03	0.86	2.87	12.60	0.00	0.99	0.65	0.28
Kazakhstan	2030	12.42	13.50	1.08	2.95	12.96	0.00	0.99	0.67	0.31
Kenya	1970	4.96	2.02	-2.94	4.18	3.49	0.45	0.31	0.04	0.01
Kenya	2018	10.65	9.56	-1.08	5.18	10.10	0.08	0.86	0.47	0.17
Kenya	2030	12.29	12.05	-0.23	4.67	12.17	0.03	0.94	0.65	0.34
Kiribati	1970	5.70	5.32	-0.38	3.59	5.51	0.03	0.46	0.06	0.02
Kiribati	2018	10.09	10.75	0.67	3.19	10.42	0.00	0.96	0.36	0.09
Kiribati	2030	10.82	11.45	0.63	2.75	11.14	0.00	0.98	0.45	0.09
Kuwait	1970	6.21	3.46	-2.74	5.22	4.84	0.32	0.46	0.13	0.05
Kuwait	2018	13.19	12.95	-0.24	4.36	13.07	0.05	0.94	0.76	0.39
Kuwait	2030	14.43	14.33	-0.10	3.76	14.38	0.03	0.97	0.86	0.52
Kyrgyzstan	1970	10.12	8.99	-1.13	4.28	9.55	0.03	0.86	0.27	0.13
Kyrgyzstan	2018	12.40	13.18	0.78	2.93	12.79	0.00	0.99	0.69	0.28
Kyrgyzstan	2030	12.57	13.49	0.92	2.78	13.03	0.00	0.99	0.74	0.27
Laos	1970	2.80	0.76	-2.03	2.79	1.78	0.70	0.15	0.02	0.01
Laos	2018	7.09	5.80	-1.29	5.53	6.45	0.22	0.58	0.19	0.07
Laos	2030	8.39	7.72	-0.67	5.42	8.05	0.10	0.71	0.28	0.11
Latvia	1970	11.90	12.28	0.38	3.20	12.09	0.01	0.98	0.60	0.22
Latvia	2018	13.65	14.50	0.85	2.94	14.07	0.01	0.99	0.91	0.43
Latvia	2030	13.67	14.95	1.29	3.16	14.31	0.01	0.99	0.87	0.49
Lebanon	1970	7.16	6.11	-1.05	5.17	6.63	0.15	0.61	0.18	0.07
Lebanon	2018	13.24	12.83	-0.41	4.59	13.03	0.06	0.93	0.75	0.41
Lebanon	2030	14.55	14.50	-0.05	3.89	14.52	0.04	0.96	0.86	0.56
Lesotho	1970	2.94	4.04	1.09	3.46	3.49	0.25	0.26	0.03	0.01
Lesotho	2018	8.35	9.83	1.48	4.27	9.09	0.04	0.85	0.30	0.08
Lesotho	2030	9.58	10.64	1.06	3.67	10.11	0.01	0.93	0.36	0.10

Liberia	1970	3.49	0.64	-2.85	3.44	2.06	0.77	0.18	0.07	0.03
Liberia	2018	9.36	6.92	-2.44	6.74	8.14	0.26	0.67	0.40	0.16
Liberia	2030	11.11	9.66	-1.45	5.97	10.39	0.12	0.82	0.54	0.26
Libya	1970	3.47	0.67	-2.80	3.14	2.07	0.61	0.16	0.04	0.02
Libya	2018	12.87	11.55	-1.32	5.47	12.21	0.11	0.88	0.71	0.37
Libya	2030	13.77	13.00	-0.76	4.62	13.39	0.06	0.93	0.80	0.44
Lithuania	1970	11.94	11.95	0.01	3.82	11.95	0.02	0.91	0.68	0.20
Lithuania	2018	14.13	14.61	0.49	2.59	14.37	0.01	0.99	0.95	0.50
Lithuania	2030	14.62	15.22	0.60	2.69	14.92	0.01	0.98	0.95	0.64
Luxembourg	1970	12.30	11.24	-1.07	3.62	11.77	0.01	0.96	0.63	0.19
Luxembourg	2018	14.07	14.15	0.08	3.20	14.11	0.01	0.99	0.86	0.48
Luxembourg	2030	14.65	14.96	0.31	2.94	14.80	0.01	0.99	0.91	0.60
Macedonia	1970	10.31	7.56	-2.76	4.61	8.94	0.04	0.80	0.32	0.09
Macedonia	2018	12.54	12.66	0.12	2.93	12.60	0.01	0.99	0.75	0.22
Macedonia	2030	12.90	13.25	0.34	2.77	13.08	0.00	0.99	0.81	0.26
Madagascar	1970	3.56	2.21	-1.35	3.48	2.89	0.39	0.19	0.03	0.01
Madagascar	2018	9.15	8.37	-0.78	5.28	8.76	0.10	0.78	0.33	0.11
Madagascar	2030	10.85	10.10	-0.75	4.71	10.47	0.04	0.89	0.48	0.18
Malawi	1970	3.81	1.38	-2.43	3.35	2.60	0.46	0.18	0.02	0.01
Malawi	2018	9.77	7.77	-2.00	4.79	8.77	0.06	0.80	0.31	0.09
Malawi	2030	11.29	9.46	-1.83	4.25	10.38	0.01	0.92	0.43	0.15
Malaysia	1970	5.03	2.87	-2.16	4.22	3.95	0.33	0.35	0.06	0.02
Malaysia	2018	10.49	11.15	0.66	4.34	10.82	0.03	0.92	0.49	0.17
Malaysia	2030	11.49	12.33	0.84	3.81	11.91	0.01	0.97	0.61	0.23
Maldives	1970	1.42	1.10	-0.32	2.17	1.26	0.81	0.11	0.02	0.01
Maldives	2018	6.50	7.02	0.52	5.07	6.76	0.14	0.63	0.18	0.06
Maldives	2030	7.74	9.02	1.27	4.74	8.38	0.03	0.77	0.27	0.09
Mali	1970	0.75	0.23	-0.52	0.94	0.49	0.93	0.04	0.01	0.01
Mali	2018	3.83	1.95	-1.88	4.25	2.89	0.62	0.24	0.08	0.03
Mali	2030	6.51	3.33	-3.18	5.71	4.92	0.39	0.41	0.16	0.06
Malta	1970	8.50	7.20	-1.31	3.86	7.85	0.03	0.86	0.16	0.07
Malta	2018	12.63	12.80	0.16	2.85	12.71	0.00	0.99	0.54	0.26
Malta	2030	13.08	13.72	0.64	3.01	13.40	0.00	0.99	0.64	0.37
Marshall Islands	1970	6.91	7.42	0.51	4.83	7.17	0.10	0.67	0.18	0.06
Marshall Islands	2018	11.36	11.94	0.58	3.80	11.65	0.02	0.96	0.61	0.20
Marshall Islands	2030	11.96	12.61	0.65	3.37	12.29	0.01	0.98	0.68	0.22
Mauritania	1970	3.82	1.95	-1.87	3.95	2.88	0.54	0.24	0.05	0.02
Mauritania	2018	9.17	7.64	-1.53	5.76	8.40	0.14	0.73	0.33	0.13
Mauritania	2030	11.15	10.12	-1.03	4.96	10.63	0.04	0.88	0.51	0.22
Mauritius	1970	5.53	3.35	-2.19	3.96	4.44	0.20	0.35	0.06	0.02
Mauritius	2018	10.76	11.22	0.47	4.11	10.99	0.02	0.92	0.55	0.14
Mauritius	2030	11.59	12.06	0.47	3.62	11.83	0.01	0.97	0.61	0.18
Mexico	1970	4.61	3.78	-0.83	4.45	4.19	0.28	0.40	0.07	0.05

Mexico	2018	10.16	9.65	-0.51	4.46	9.90	0.02	0.92	0.36	0.18
Mexico	2030	10.90	10.47	-0.43	3.99	10.68	0.01	0.96	0.42	0.20
Moldova	1970	11.02	10.27	-0.75	4.11	10.64	0.02	0.91	0.41	0.15
Moldova	2018	13.95	14.41	0.47	3.08	14.18	0.01	0.99	0.88	0.47
Moldova	2030	14.62	15.16	0.54	3.01	14.89	0.00	0.99	0.93	0.58
Mongolia	1970	7.75	6.17	-1.58	4.31	6.96	0.04	0.63	0.15	0.06
Mongolia	2018	9.05	10.63	1.58	3.82	9.84	0.01	0.90	0.28	0.13
Mongolia	2030	9.66	11.09	1.43	3.71	10.37	0.01	0.93	0.33	0.15
Montenegro	1970	11.76	9.33	-2.42	4.22	10.55	0.04	0.90	0.47	0.13
Montenegro	2018	13.94	14.20	0.26	2.95	14.07	0.01	0.99	0.90	0.43
Montenegro	2030	14.56	14.92	0.36	2.90	14.74	0.00	0.99	0.93	0.53
Morocco	1970	1.74	0.54	-1.21	2.00	1.14	0.83	0.08	0.02	0.01
Morocco	2018	8.08	7.15	-0.92	6.72	7.62	0.29	0.63	0.37	0.14
Morocco	2030	10.93	11.62	0.69	5.39	11.27	0.10	0.87	0.66	0.28
Mozambique	1970	1.92	0.64	-1.28	1.98	1.28	0.66	0.05	0.01	0.00
Mozambique	2018	6.44	5.25	-1.19	4.79	5.85	0.16	0.53	0.12	0.04
Mozambique	2030	8.27	7.59	-0.68	4.64	7.93	0.04	0.75	0.21	0.08
Myanmar	1970	3.13	1.86	-1.27	3.44	2.50	0.55	0.20	0.03	0.01
Myanmar	2018	6.98	7.42	0.44	4.82	7.20	0.09	0.66	0.19	0.06
Myanmar	2030	8.29	9.17	0.88	4.80	8.73	0.03	0.78	0.30	0.11
Namibia	1970	4.42	3.61	-0.82	4.50	4.01	0.36	0.34	0.07	0.02
Namibia	2018	9.99	10.10	0.11	3.95	10.04	0.04	0.90	0.42	0.09
Namibia	2030	10.97	11.02	0.05	3.25	11.00	0.01	0.95	0.51	0.11
Nepal	1970	1.57	0.25	-1.32	1.64	0.91	0.85	0.07	0.01	0.00
Nepal	2018	7.51	4.89	-2.62	5.57	6.20	0.26	0.52	0.16	0.07
Nepal	2030	9.19	8.23	-0.96	5.39	8.71	0.07	0.74	0.31	0.16
Netherlands	1970	11.68	10.30	-1.38	4.14	10.99	0.01	0.94	0.51	0.17
Netherlands	2018	14.46	14.78	0.32	2.84	14.62	0.00	0.99	0.89	0.61
Netherlands	2030	14.77	15.30	0.52	2.49	15.03	0.00	0.99	0.92	0.72
New Zealand	1970	11.96	11.28	-0.69	4.52	11.62	0.05	0.92	0.62	0.24
New Zealand	2018	13.74	14.26	0.52	3.16	14.00	0.01	0.99	0.85	0.46
New Zealand	2030	13.76	14.59	0.83	3.34	14.17	0.01	0.98	0.85	0.50
Nicaragua	1970	3.52	2.83	-0.69	3.91	3.18	0.41	0.27	0.05	0.03
Nicaragua	2018	7.71	8.07	0.36	5.31	7.89	0.09	0.73	0.25	0.11
Nicaragua	2030	8.75	9.18	0.42	5.01	8.96	0.05	0.82	0.33	0.13
Niger	1970	0.30	0.21	-0.09	0.50	0.25	0.97	0.02	0.01	0.00
Niger	2018	2.62	1.21	-1.41	3.06	1.91	0.71	0.15	0.04	0.01
Niger	2030	3.87	1.85	-2.02	4.03	2.86	0.55	0.22	0.06	0.02
Nigeria	1970	3.45	1.44	-2.02	3.78	2.45	0.68	0.23	0.07	0.03
Nigeria	2018	9.81	7.85	-1.96	6.37	8.83	0.21	0.73	0.46	0.17
Nigeria	2030	11.40	10.29	-1.11	5.34	10.85	0.09	0.86	0.58	0.25
North Korea	1970	7.58	6.20	-1.37	3.97	6.89	0.05	0.68	0.12	0.04
North Korea	2018	11.88	12.97	1.09	3.34	12.43	0.00	0.98	0.69	0.24

North Korea	2030	12.29	13.82	1.53	3.21	13.06	0.00	0.98	0.76	0.30
Northern Mariana Islands	1970	10.31	8.66	-1.65	6.02	9.48	0.15	0.78	0.43	0.19
Northern Mariana Islands	2018	13.77	13.84	0.07	3.28	13.80	0.01	0.98	0.88	0.42
Northern Mariana Islands	2030	14.28	14.43	0.15	3.01	14.36	0.01	0.99	0.92	0.50
Norway	1970	13.04	12.26	-0.78	3.37	12.65	0.01	0.98	0.69	0.27
Norway	2018	14.58	14.99	0.42	2.59	14.79	0.01	0.99	0.94	0.60
Norway	2030	14.53	15.02	0.49	2.94	14.77	0.01	0.98	0.93	0.62
Oman	1970	2.28	0.62	-1.66	2.25	1.45	0.65	0.08	0.01	0.01
Oman	2018	12.22	10.62	-1.60	6.02	11.42	0.13	0.85	0.67	0.34
Oman	2030	13.94	13.28	-0.66	4.30	13.61	0.04	0.95	0.80	0.44
Pakistan	1970	3.45	0.80	-2.65	3.38	2.12	0.71	0.17	0.05	0.02
Pakistan	2018	8.33	6.21	-2.12	6.34	7.27	0.26	0.60	0.28	0.13
Pakistan	2030	10.11	9.69	-0.42	5.84	9.90	0.09	0.79	0.45	0.25
Palestine	1970	6.88	3.27	-3.61	5.12	5.08	0.28	0.45	0.12	0.05
Palestine	2018	13.24	13.21	-0.04	3.85	13.22	0.03	0.96	0.79	0.38
Palestine	2030	14.19	14.71	0.52	3.20	14.45	0.01	0.98	0.90	0.52
Panama	1970	6.84	6.69	-0.14	5.40	6.76	0.14	0.63	0.19	0.09
Panama	2018	11.82	12.31	0.49	3.88	12.07	0.02	0.95	0.67	0.24
Panama	2030	12.36	12.69	0.33	3.20	12.53	0.01	0.98	0.71	0.23
Papua New Guinea	1970	1.46	0.71	-0.76	1.86	1.08	0.79	0.09	0.01	0.00
Papua New Guinea	2018	4.85	3.83	-1.02	4.40	4.34	0.28	0.38	0.07	0.02
Papua New Guinea	2030	5.73	5.19	-0.54	4.60	5.46	0.16	0.49	0.10	0.03
Paraguay	1970	5.69	5.07	-0.62	4.36	5.38	0.11	0.42	0.10	0.05
Paraguay	2018	10.73	10.94	0.22	4.70	10.83	0.02	0.89	0.53	0.21
Paraguay	2030	11.68	12.14	0.46	3.88	11.91	0.01	0.95	0.65	0.24
Peru	1970	7.28	4.95	-2.33	5.59	6.12	0.18	0.47	0.16	0.09
Peru	2018	10.82	10.32	-0.50	4.35	10.57	0.02	0.89	0.38	0.15
Peru	2030	11.27	11.01	-0.26	4.03	11.14	0.01	0.93	0.44	0.16
Philippines	1970	7.56	6.93	-0.63	4.85	7.25	0.07	0.67	0.20	0.07
Philippines	2018	11.10	12.41	1.31	3.89	11.76	0.02	0.94	0.63	0.22
Philippines	2030	12.35	13.43	1.08	3.82	12.89	0.01	0.97	0.73	0.31
Poland	1970	9.98	9.63	-0.35	3.89	9.81	0.01	0.94	0.34	0.09
Poland	2018	12.82	13.82	1.01	2.70	13.32	0.00	0.99	0.84	0.31
Poland	2030	13.29	14.91	1.62	2.66	14.10	0.00	0.99	0.92	0.44
Portugal	1970	6.10	5.13	-0.97	4.08	5.61	0.09	0.48	0.10	0.04
Portugal	2018	11.17	12.03	0.85	4.27	11.60	0.01	0.97	0.56	0.24
Portugal	2030	12.08	13.04	0.96	3.92	12.56	0.01	0.99	0.68	0.30
Puerto Rico	1970	9.99	9.70	-0.29	4.95	9.84	0.04	0.82	0.46	0.14
Puerto Rico	2018	13.56	14.12	0.56	3.32	13.84	0.01	0.98	0.87	0.43
Puerto Rico	2030	14.45	14.54	0.08	3.20	14.50	0.01	0.98	0.90	0.54
Qatar	1970	5.47	2.30	-3.17	5.23	3.88	0.49	0.40	0.18	0.07
Qatar	2018	12.11	10.63	-1.48	6.13	11.37	0.13	0.86	0.67	0.34
Qatar	2030	13.59	11.40	-2.19	5.28	12.49	0.06	0.93	0.74	0.39

Romania	1970	10.01	8.49	-1.53	4.64	9.25	0.06	0.82	0.32	0.10
Romania	2018	12.50	13.07	0.57	3.53	12.79	0.01	0.97	0.69	0.30
Romania	2030	13.08	13.91	0.83	3.63	13.50	0.01	0.97	0.78	0.41
Russia	1970	11.56	11.80	0.24	3.04	11.68	0.00	0.96	0.55	0.12
Russia	2018	14.21	14.63	0.42	3.01	14.42	0.00	0.99	0.87	0.52
Russia	2030	15.28	15.46	0.17	2.85	15.37	0.00	0.99	0.93	0.69
Rwanda	1970	2.58	0.85	-1.73	2.51	1.72	0.60	0.11	0.01	0.00
Rwanda	2018	7.27	5.55	-1.72	4.87	6.41	0.14	0.59	0.15	0.05
Rwanda	2030	8.69	6.71	-1.97	4.71	7.70	0.06	0.72	0.21	0.07
Saint Lucia	1970	5.23	4.98	-0.25	4.13	5.11	0.11	0.43	0.08	0.03
Saint Lucia	2018	10.13	11.13	1.00	4.12	10.63	0.02	0.92	0.46	0.15
Saint Lucia	2030	11.05	11.85	0.80	3.64	11.45	0.01	0.96	0.56	0.17
Saint Vincent and the Grenadines	1970	5.13	4.99	-0.14	3.31	5.06	0.01	0.42	0.06	0.02
Saint Vincent and the Grenadines	2018	9.91	10.37	0.47	3.87	10.14	0.00	0.93	0.36	0.11
Saint Vincent and the Grenadines	2030	10.66	10.91	0.25	3.45	10.79	0.00	0.97	0.41	0.12
Samoa	1970	6.73	6.28	-0.46	4.56	6.51	0.10	0.61	0.14	0.05
Samoa	2018	11.43	12.05	0.62	3.37	11.74	0.01	0.97	0.60	0.18
Samoa	2030	12.14	12.76	0.62	3.10	12.45	0.00	0.99	0.69	0.22
Sao Tome and Principe	1970	3.57	1.66	-1.91	3.44	2.61	0.48	0.19	0.03	0.01
Sao Tome and Principe	2018	8.96	8.63	-0.33	4.25	8.80	0.02	0.82	0.27	0.08
Sao Tome and Principe	2030	10.21	10.19	-0.02	3.94	10.20	0.00	0.91	0.42	0.11
Saudi Arabia	1970	3.70	0.78	-2.92	3.37	2.24	0.62	0.19	0.04	0.02
Saudi Arabia	2018	12.43	10.65	-1.77	5.97	11.54	0.14	0.85	0.67	0.33
Saudi Arabia	2030	13.94	12.83	-1.11	4.55	13.38	0.06	0.93	0.78	0.43
Senegal	1970	1.26	0.38	-0.87	1.51	0.82	0.89	0.07	0.02	0.01
Senegal	2018	5.49	3.64	-1.85	5.50	4.57	0.45	0.40	0.14	0.05
Senegal	2030	7.77	6.42	-1.35	6.05	7.09	0.23	0.63	0.28	0.09
Serbia	1970	10.22	8.38	-1.84	4.29	9.30	0.04	0.85	0.30	0.09
Serbia	2018	13.78	14.37	0.59	2.96	14.07	0.01	0.99	0.90	0.43
Serbia	2030	14.47	15.11	0.64	2.85	14.79	0.00	0.99	0.94	0.54
Seychelles	1970	5.84	5.21	-0.63	5.95	5.53	0.38	0.50	0.19	0.07
Seychelles	2018	12.17	13.17	1.01	3.17	12.67	0.01	0.98	0.74	0.25
Seychelles	2030	12.64	14.06	1.42	2.84	13.35	0.00	0.99	0.80	0.30
Sierra Leone	1970	1.64	0.59	-1.05	2.02	1.11	0.86	0.09	0.03	0.02
Sierra Leone	2018	6.49	3.94	-2.54	6.09	5.22	0.44	0.46	0.20	0.07
Sierra Leone	2030	9.15	7.53	-1.62	6.05	8.34	0.17	0.71	0.40	0.12
Singapore	1970	6.49	4.08	-2.40	5.65	5.29	0.38	0.50	0.15	0.05
Singapore	2018	13.20	13.11	-0.09	4.37	13.15	0.05	0.95	0.75	0.40
Singapore	2030	13.59	13.69	0.11	4.09	13.64	0.04	0.95	0.80	0.45
Slovakia	1970	11.45	10.72	-0.73	2.42	11.09	0.00	0.99	0.42	0.07
Slovakia	2018	12.97	13.65	0.68	2.36	13.31	0.00	0.99	0.91	0.23
Slovakia	2030	13.10	14.69	1.59	2.82	13.89	0.00	0.98	0.94	0.34
Slovenia	1970	11.49	10.36	-1.12	3.81	10.92	0.02	0.94	0.52	0.12

Slovenia	2018	13.73	14.71	0.97	2.81	14.22	0.00	0.99	0.92	0.41
Slovenia	2030	14.22	15.53	1.31	2.80	14.88	0.00	0.99	0.95	0.53
Solomon Islands	1970	2.98	1.06	-1.92	3.19	2.02	0.69	0.18	0.04	0.01
Solomon Islands	2018	7.69	6.35	-1.33	5.80	7.02	0.22	0.64	0.23	0.09
Solomon Islands	2030	9.08	8.18	-0.91	5.56	8.63	0.11	0.76	0.33	0.13
Somalia	1970	2.28	0.49	-1.79	2.36	1.39	0.78	0.11	0.03	0.01
Somalia	2018	7.39	3.88	-3.50	6.18	5.63	0.38	0.48	0.21	0.08
Somalia	2030	9.38	6.85	-2.53	6.27	8.11	0.15	0.67	0.33	0.15
South Africa	1970	6.71	5.50	-1.21	5.58	6.11	0.29	0.56	0.19	0.04
South Africa	2018	11.55	11.63	0.08	2.84	11.59	0.01	0.98	0.59	0.13
South Africa	2030	12.75	12.80	0.05	3.04	12.77	0.00	0.99	0.73	0.24
South Korea	1970	10.02	6.50	-3.51	5.57	8.26	0.14	0.74	0.30	0.11
South Korea	2018	14.33	14.57	0.24	3.35	14.45	0.02	0.98	0.88	0.56
South Korea	2030	14.30	14.65	0.35	3.62	14.48	0.02	0.97	0.86	0.60
South Sudan	1970	1.02	0.22	-0.80	1.17	0.62	0.89	0.05	0.02	0.01
South Sudan	2018	6.55	1.69	-4.86	5.35	4.12	0.48	0.34	0.14	0.05
South Sudan	2030	9.22	3.59	-5.63	6.05	6.41	0.20	0.52	0.23	0.09
Spain	1970	6.09	5.00	-1.09	5.43	5.54	0.34	0.58	0.15	0.06
Spain	2018	11.05	12.11	1.06	4.68	11.58	0.04	0.93	0.58	0.26
Spain	2030	11.05	12.74	1.68	4.72	11.89	0.03	0.93	0.60	0.29
Sri Lanka	1970	6.05	5.06	-1.00	4.87	5.55	0.21	0.52	0.12	0.04
Sri Lanka	2018	10.82	12.09	1.27	4.22	11.45	0.03	0.93	0.60	0.21
Sri Lanka	2030	11.82	12.99	1.18	3.66	12.40	0.01	0.97	0.69	0.26
Sudan	1970	2.96	0.96	-2.00	3.04	1.96	0.67	0.15	0.03	0.01
Sudan	2018	11.26	9.81	-1.45	6.35	10.54	0.18	0.80	0.59	0.27
Sudan	2030	13.55	13.13	-0.42	4.42	13.34	0.05	0.94	0.78	0.42
Suriname	1970	5.84	4.59	-1.25	5.03	5.22	0.25	0.46	0.11	0.05
Suriname	2018	10.05	9.86	-0.18	4.94	9.95	0.06	0.86	0.42	0.16
Suriname	2030	11.10	11.00	-0.10	4.39	11.05	0.03	0.92	0.52	0.20
Swaziland	1970	4.16	3.10	-1.06	4.34	3.63	0.43	0.30	0.06	0.02
Swaziland	2018	9.96	9.63	-0.33	4.04	9.79	0.04	0.88	0.39	0.09
Swaziland	2030	10.88	10.43	-0.45	3.37	10.65	0.01	0.94	0.47	0.10
Sweden	1970	11.68	11.86	0.18	3.25	11.77	0.00	0.99	0.56	0.20
Sweden	2018	14.00	14.70	0.71	2.74	14.35	0.00	0.99	0.85	0.57
Sweden	2030	14.53	15.38	0.85	2.75	14.95	0.00	0.99	0.87	0.68
Switzerland	1970	14.18	13.10	-1.09	3.24	13.64	0.00	0.99	0.84	0.37
Switzerland	2018	14.68	14.92	0.24	2.91	14.80	0.01	0.99	0.91	0.64
Switzerland	2030	14.49	14.83	0.33	3.08	14.66	0.01	0.98	0.87	0.66
Syria	1970	4.69	1.63	-3.07	4.20	3.16	0.51	0.27	0.06	0.02
Syria	2018	12.74	10.93	-1.81	5.78	11.83	0.13	0.86	0.68	0.35
Syria	2030	14.08	12.85	-1.23	4.67	13.46	0.07	0.93	0.79	0.45
Taiwan	1970	8.17	5.37	-2.80	4.52	6.77	0.10	0.67	0.15	0.04
Taiwan	2018	14.70	14.91	0.21	2.96	14.80	0.01	0.99	0.93	0.58

Taiwan	2030	15.66	15.97	0.31	2.50	15.81	0.00	0.99	0.96	0.76
Tajikistan	1970	9.87	7.35	-2.53	5.01	8.61	0.08	0.77	0.26	0.10
Tajikistan	2018	11.85	11.12	-0.73	3.04	11.49	0.01	0.97	0.44	0.16
Tajikistan	2030	12.37	11.68	-0.69	3.05	12.03	0.01	0.98	0.53	0.19
Tanzania	1970	3.43	1.11	-2.31	3.12	2.27	0.56	0.16	0.02	0.01
Tanzania	2018	8.37	7.37	-1.00	5.31	7.87	0.13	0.73	0.26	0.08
Tanzania	2030	9.38	9.18	-0.20	4.28	9.28	0.04	0.89	0.30	0.10
Thailand	1970	5.27	4.03	-1.23	3.40	4.65	0.10	0.24	0.07	0.03
Thailand	2018	10.89	12.22	1.33	3.79	11.55	0.01	0.96	0.60	0.19
Thailand	2030	11.43	12.60	1.17	3.21	12.02	0.00	0.98	0.61	0.19
The Bahamas	1970	8.46	8.35	-0.11	5.24	8.40	0.08	0.75	0.28	0.11
The Bahamas	2018	12.97	13.58	0.61	3.03	13.28	0.01	0.99	0.83	0.32
The Bahamas	2030	13.64	14.33	0.69	2.72	13.98	0.00	0.99	0.92	0.40
The Gambia	1970	1.25	0.51	-0.74	1.64	0.88	0.90	0.07	0.03	0.01
The Gambia	2018	7.52	5.40	-2.12	6.56	6.46	0.36	0.55	0.29	0.10
The Gambia	2030	9.92	9.64	-0.28	5.71	9.78	0.10	0.81	0.51	0.18
Timor-Leste	1970	0.87	0.30	-0.57	1.08	0.58	0.89	0.04	0.01	0.00
Timor-Leste	2018	7.97	7.16	-0.80	5.70	7.56	0.17	0.68	0.27	0.10
Timor-Leste	2030	9.63	9.71	0.08	5.30	9.67	0.07	0.83	0.42	0.19
Togo	1970	2.54	0.67	-1.87	2.62	1.61	0.73	0.13	0.02	0.01
Togo	2018	9.29	5.53	-3.76	5.81	7.41	0.18	0.66	0.26	0.10
Togo	2030	11.38	8.16	-3.23	5.25	9.77	0.06	0.83	0.43	0.18
Tonga	1970	6.89	6.02	-0.88	4.25	6.46	0.07	0.62	0.13	0.04
Tonga	2018	11.74	12.17	0.42	3.33	11.95	0.01	0.98	0.64	0.19
Tonga	2030	12.42	12.92	0.50	3.03	12.67	0.00	0.99	0.71	0.25
Trinidad and Tobago	1970	8.11	7.57	-0.54	4.39	7.84	0.05	0.76	0.20	0.06
Trinidad and Tobago	2018	12.13	12.73	0.60	3.09	12.43	0.01	0.98	0.72	0.21
Trinidad and Tobago	2030	12.74	13.42	0.68	2.94	13.08	0.00	0.99	0.81	0.28
Tunisia	1970	3.56	1.05	-2.51	3.39	2.31	0.62	0.18	0.04	0.01
Tunisia	2018	11.50	10.59	-0.91	5.50	11.05	0.10	0.87	0.58	0.27
Tunisia	2030	12.78	13.39	0.61	4.16	13.08	0.03	0.96	0.71	0.38
Turkey	1970	5.91	3.06	-2.85	4.83	4.48	0.35	0.35	0.09	0.04
Turkey	2018	13.20	12.11	-1.10	4.63	12.66	0.06	0.93	0.72	0.36
Turkey	2030	14.70	14.12	-0.59	3.68	14.41	0.02	0.97	0.84	0.52
Turkmenistan	1970	9.48	7.72	-1.76	4.45	8.60	0.03	0.80	0.25	0.09
Turkmenistan	2018	11.02	11.28	0.26	3.35	11.15	0.00	0.96	0.41	0.16
Turkmenistan	2030	11.22	11.65	0.43	3.17	11.44	0.00	0.97	0.44	0.17
Uganda	1970	4.38	1.44	-2.94	3.74	2.91	0.47	0.23	0.03	0.01
Uganda	2018	10.01	8.22	-1.79	5.12	9.12	0.09	0.81	0.36	0.12
Uganda	2030	11.43	10.74	-0.68	4.15	11.09	0.02	0.93	0.56	0.17
Ukraine	1970	11.99	11.62	-0.38	3.81	11.81	0.00	0.97	0.55	0.22
Ukraine	2018	14.13	14.57	0.44	3.02	14.35	0.00	0.99	0.89	0.50
Ukraine	2030	14.43	14.92	0.49	2.92	14.68	0.00	0.99	0.94	0.53

United Arab Emirates	1970	5.83	2.32	-3.51	4.74	4.07	0.32	0.43	0.12	0.05
United Arab Emirates	2018	12.91	11.71	-1.20	5.42	12.31	0.09	0.90	0.72	0.39
United Arab Emirates	2030	13.75	12.02	-1.73	5.11	12.89	0.08	0.92	0.79	0.44
United Kingdom	1970	11.51	10.62	-0.88	4.64	11.06	0.04	0.92	0.53	0.21
United Kingdom	2018	13.68	13.96	0.28	3.64	13.82	0.01	0.98	0.76	0.43
United Kingdom	2030	14.09	14.43	0.34	3.42	14.26	0.00	0.99	0.81	0.48
United States	1970	12.99	12.58	-0.42	3.03	12.79	0.01	0.98	0.81	0.25
United States	2018	13.44	13.65	0.20	2.84	13.54	0.00	0.99	0.89	0.34
United States	2030	13.61	13.87	0.26	2.80	13.74	0.00	0.99	0.90	0.37
Uruguay	1970	7.34	7.49	0.15	4.46	7.42	0.03	0.72	0.20	0.07
Uruguay	2018	10.46	10.90	0.44	4.30	10.68	0.01	0.95	0.44	0.18
Uruguay	2030	11.15	11.71	0.56	4.27	11.43	0.00	0.97	0.52	0.24
Uzbekistan	1970	10.56	9.08	-1.47	4.03	9.82	0.02	0.89	0.29	0.13
Uzbekistan	2018	12.90	13.74	0.84	2.97	13.32	0.00	0.99	0.80	0.33
Uzbekistan	2030	13.13	14.38	1.25	2.93	13.76	0.00	0.99	0.86	0.37
Vanuatu	1970	4.30	2.65	-1.65	4.15	3.48	0.41	0.30	0.05	0.02
Vanuatu	2018	8.66	8.51	-0.15	5.09	8.59	0.08	0.79	0.30	0.11
Vanuatu	2030	9.86	9.99	0.13	4.62	9.92	0.04	0.89	0.40	0.15
Venezuela	1970	5.52	4.99	-0.52	5.04	5.25	0.24	0.49	0.11	0.05
Venezuela	2018	10.26	10.33	0.08	4.71	10.30	0.04	0.89	0.45	0.17
Venezuela	2030	11.22	11.48	0.26	4.10	11.35	0.02	0.94	0.56	0.19
Vietnam	1970	7.33	4.40	-2.94	4.58	5.87	0.12	0.49	0.13	0.03
Vietnam	2018	10.72	11.17	0.45	4.04	10.95	0.02	0.93	0.52	0.16
Vietnam	2030	11.77	12.11	0.34	3.55	11.94	0.01	0.97	0.61	0.21
Virgin Islands, U.S.	1970	11.59	11.88	0.29	3.85	11.74	0.02	0.94	0.64	0.20
Virgin Islands, U.S.	2018	13.97	14.63	0.66	3.07	14.30	0.01	0.99	0.90	0.51
Virgin Islands, U.S.	2030	14.61	15.21	0.59	2.83	14.91	0.01	0.99	0.93	0.61
Yemen	1970	1.13	0.23	-0.90	1.26	0.68	0.88	0.05	0.01	0.00
Yemen	2018	9.57	6.24	-3.34	7.03	7.90	0.31	0.64	0.42	0.17
Yemen	2030	12.23	11.76	-0.47	4.98	12.00	0.08	0.90	0.72	0.31
Zambia	1970	5.31	2.03	-3.28	4.18	3.67	0.36	0.30	0.05	0.02
Zambia	2018	11.18	9.72	-1.45	4.70	10.45	0.05	0.88	0.48	0.16
Zambia	2030	12.44	11.49	-0.95	4.12	11.96	0.02	0.96	0.60	0.26
Zimbabwe	1970	5.24	3.17	-2.07	4.15	4.21	0.27	0.36	0.04	0.02
Zimbabwe	2018	10.75	10.22	-0.53	3.47	10.49	0.01	0.95	0.33	0.10
Zimbabwe	2030	11.66	11.15	-0.52	3.15	11.40	0.00	0.98	0.44	0.13

Supplement Table 1. Country Specific Indicators for 1970,2018, and 2030

A number of characteristics of the distribution of educational attainment are shown for 1970, 2018, and 2030, at the national level. All values represent individuals age 25-29.

Country	Data Sources
Afghanistan	CENSUS_1979; DHS_2010; DHS_2016;
Albania	ALBOR_FORCE_SURVEY_2007; ALBOR_FORCE_SURVEY_2008; ALBOR_FORCE_SURVEY_2009; ALBOR_FORCE_SURVEY_2012; CENSUS_2011; DHS_2009; DHS_2018; EUROBAROMETER_2014; EUROBAROMETER_2015; MICS_2000; MICS_2005; RHS_2002; WB_LSMS_2002; WB_LSMS_2005; WB_LSMS_2008;
Algeria	AFROBAROMETER_2013; ARAB_BAROMETER_2014; ARAB_LEAGUE_PAPCHILD_1992; MICS_2013;
American Samoa	CENSUS_2000; CENSUS_2010;
Angola	DHS_2016; MACRO_MIS_2007; MICS_2001;
Antigua and Barbuda	CENSUS_1990; CENSUS_2001; DYB_2001;
Argentina	ARGMANENT_HH_SURVEY_EPH_2003; ARGMANENT_HH_SURVEY_EPH_2004; ARGMANENT_HH_SURVEY_EPH_2005; ARGMANENT_HH_SURVEY_EPH_2006; ARGMANENT_HH_SURVEY_EPH_2007; ARGMANENT_HH_SURVEY_EPH_2008; ARGMANENT_HH_SURVEY_EPH_2009; ARGMANENT_HH_SURVEY_EPH_2010; ARGMANENT_HH_SURVEY_EPH_2011; ARGMANENT_HH_SURVEY_EPH_2012; ARGMANENT_HH_SURVEY_EPH_2013; ARGMANENT_HH_SURVEY_EPH_2014; ARGMANENT_HH_SURVEY_EPH_2015; IPUMS_1980; IPUMS_1991; IPUMS_2002; IPUMS_2010; ISSP_2008; ISSP_2010; ISSP_2013; LATINOBAROMETER_1998; LATINOBAROMETER_2000; LATINOBAROMETER_2001; LATINOBAROMETER_2002; LATINOBAROMETER_2003; LATINOBAROMETER_2004; LATINOBAROMETER_2005; LATINOBAROMETER_2006; LATINOBAROMETER_2007; LATINOBAROMETER_2008; LATINOBAROMETER_2009; PERMANENT_HH_SURVEY_EPH_2016;
Armenia	ARMEGRATED_LIVING_CONDITIONS_SURVEY_2015; ARMOR_FORCE_SURVEY_2014; ARMOR_FORCE_SURVEY_2015; DHS_2000; DHS_2010; DHS_2016; HEALTH_IN_TIMES_OF_TRANSITION_HITT_CIS_2010; INTEGRATED_LIVING_CONDITIONS_SURVEY_2014; IPUMS_2001; IPUMS_2011; WB_STEP_HH_SURVEY_2013;
Australia	CENSUS_2011; ISSP_1989; ISSP_1993; ISSP_1994; ISSP_1996; ISSP_1997; ISSP_2000; ISSP_2002; ISSP_2003; ISSP_2005; ISSP_2007; ISSP_2010; ISSP_2012; ISSP_2013; ISSP_2015; ISSP_2016; WHO_WHS_2003;
Austria	EUROBAROMETER_1995; EUROBAROMETER_1996; EUROBAROMETER_1997; EUROBAROMETER_1998; EUROBAROMETER_1999; EUROBAROMETER_2000; EUROBAROMETER_2001; EUROBAROMETER_2002; EUROBAROMETER_2003; EUROBAROMETER_2004; EUROBAROMETER_2005; EUROBAROMETER_2006; EUROBAROMETER_2007; EUROBAROMETER_2008; EUROBAROMETER_2009; EUROBAROMETER_2010; EUROBAROMETER_2011; EUROBAROMETER_2012; EUROBAROMETER_2013; EUROBAROMETER_2014; EUROBAROMETER_2015; EUROSTAT_1998; EUROSTAT_1999; EUROSTAT_2000; EUROSTAT_2001; EUROSTAT_2002; EUROSTAT_2003; EUROSTAT_2004; EUROSTAT_2005; EUROSTAT_2006; EUROSTAT_2007; EUROSTAT_2008; EUROSTAT_2010; EUROSTAT_2011; EUROSTAT_2012; EUROSTAT_2013; EUROSTAT_2014; EUROSTAT_2015; EUROSTAT_2016; IPUMS_1971; IPUMS_1981; IPUMS_1991; IPUMS_2001; IPUMS_2011; ISSP_1989; ISSP_1993; ISSP_1996; ISSP_1999; ISSP_2000; ISSP_2002; ISSP_2003; ISSP_2004; ISSP_2008; ISSP_2010; ISSP_2013; ISSP_2016;
Azerbaijan	CENSUS_1999; CENSUS_2006; CENSUS_2011; DHS_2006; DYB_1999; DYB_2009; HEALTH_IN_TIMES_OF_TRANSITION_HITT_CIS_2010; MICS_2000; WB_LSMS_1995;
Bahrain	CENSUS_1971; CENSUS_1981; DYB_1991; DYB_2001; DYB_2010;
Bangladesh	BGDNDPUR_COMILLA_VERBAL_AUTOPSY_STUDY_2014; DHS_1994; DHS_1997; DHS_2000; DHS_2001; DHS_2004; DHS_2007; DHS_2012; DHS_2014; IPUMS_1991; IPUMS_2001; IPUMS_2011; ISSP_1998; MICS_2006; MICS_2013; SURVEY_2013; WFS_1975; WHO_WHS_2003;
Barbados	CENSUS_1980; CENSUS_1990; CENSUS_2000; MICS_2012; PAHO_SABE_2000;
Belarus	DYB_1989; DYB_1999; DYB_2001; DYB_2009; HEALTH_IN_TIMES_OF_TRANSITION_HITT_CIS_2010; IPUMS_1999; IPUMS_2009; MICS_2005; MICS_2012;
Belgium	EUROBAROMETER_1990; EUROBAROMETER_1992; EUROBAROMETER_1993; EUROBAROMETER_1994; EUROBAROMETER_1995; EUROBAROMETER_1996; EUROBAROMETER_1997; EUROBAROMETER_1998; EUROBAROMETER_1999; EUROBAROMETER_2000; EUROBAROMETER_2001; EUROBAROMETER_2002; EUROBAROMETER_2003; EUROBAROMETER_2004; EUROBAROMETER_2005; EUROBAROMETER_2006; EUROBAROMETER_2007; EUROBAROMETER_2008; EUROBAROMETER_2009; EUROBAROMETER_2010; EUROBAROMETER_2011; EUROBAROMETER_2012; EUROBAROMETER_2013; EUROBAROMETER_2014; EUROBAROMETER_2015; EUROSTAT_1998; EUROSTAT_2007; EUROSTAT_2008; EUROSTAT_2009; EUROSTAT_2010; EUROSTAT_2011; EUROSTAT_2012; EUROSTAT_2013; EUROSTAT_2014; EUROSTAT_2015; EUROSTAT_2016; ISSP_2002; ISSP_2005; ISSP_2007; ISSP_2008; ISSP_2009; ISSP_2010; ISSP_2012; ISSP_2014; ISSP_2016; MCSS_2001;

Belize	CDC_RHS_1991; CENSUS_1980; CENSUS_1990; CENSUS_1991; CENSUS_2000; GENDER_ALCOHOL_CULTURE_INTERTIOL_STUDY_GECIS_2005; MICS_2006; MICS_2011; MICS_2016;
Benin	AFROBAROMETER SURVEY_2014; AFROBAROMETER_2005; AFROBAROMETER_2008; AFROBAROMETER_2011; AFROBAROMETER_2017; DHS_1996; DHS_2001; DHS_2006; DHS_2012; IPUMS_1979; IPUMS_1992; IPUMS_2002; IPUMS_2013; WFS_1981;
Bermuda	DYB_1991; DYB_2000; DYB_2010;
Bhutan	BTNING_STANDARDS_2012; BTNING_STANDARDS_2017; MICS_2010;
Bolivia	BOL_STEP_SKILLS_MEASUREMENT_HOUSEHOLD_SURVEY_2012_WAVE_1_HH_ROSTER_Y2017M05D16.DTA_2012; DHS_1989; DHS_1994; DHS_1998; DHS_2004; DHS_2008; EDSA_2016; IPUMS_1976; IPUMS_1992; IPUMS_2001; LATINOBAROMETER_1998; LATINOBAROMETER_2000; LATINOBAROMETER_2002; LATINOBAROMETER_2003; LATINOBAROMETER_2004; LATINOBAROMETER_2005; LATINOBAROMETER_2006; LATINOBAROMETER_2007; LATINOBAROMETER_2008; LATINOBAROMETER_2009; LATINOBAROMETER_2010; LATINOBAROMETER_2011; LATINOBAROMETER_2013; LATINOBAROMETER_2015; LATINOBAROMETER_2016; LATINOBAROMETER_2017; MICS_2000;
Bosnia and Herzegovina	MICS_2000; MICS_2006; WHO_WHS_2003;
Botswana	AFROBAROMETER SURVEY_2014; AFROBAROMETER_1999; AFROBAROMETER_2008; AFROBAROMETER_2012; AFROBAROMETER_2017; AIDS_IMPACT_SURVEY_2013; BWAS_IMPACT_SURVEY_2001; BWAS_IMPACT_SURVEY_2004; BWAS_IMPACT_SURVEY_2008; CENSUS_2004; DYB_1991; IPUMS_1991; IPUMS_2001; IPUMS_2011; LABOUR_FORCE_SURVEY_2006; MICS_2000; STEPS_2007;
Brazil	BRAIOL_DEMOGRAPHIC_HEALTH_SURVEY_OF_CHILDREN_AND_WOMEN_2007; BRAIOL_HEALTH_SURVEY_PNS_2013; BRASUMER_EXPENDITURE_SURVEY_POF_2003; BRASUMER_EXPENDITURE_SURVEY_POF_2009; CENSUS_2000; DHS_1986; DHS_1996; GLOBAL_ADULT_TOBACCO_SURVEY_2008; IPUMS_1960; IPUMS_1970; IPUMS_1980; IPUMS_1991; IPUMS_2000; IPUMS_2010; LATINOBAROMETER_1998; LATINOBAROMETER_2000; LATINOBAROMETER_2001; LATINOBAROMETER_2002; LATINOBAROMETER_2003; LATINOBAROMETER_2004; LATINOBAROMETER_2005; LATINOBAROMETER_2006; LATINOBAROMETER_2008; LATINOBAROMETER_2009; LATINOBAROMETER_2010; LATINOBAROMETER_2011; LATINOBAROMETER_2013; LATINOBAROMETER_2015; LATINOBAROMETER_2016; LATINOBAROMETER_2017; SURVEY_1968; SURVEY_1999; SURVEY_2009; WHO_WHS_2003;
Brunei	CENSUS_1981; CENSUS_2001;
Bulgaria	EUROBAROMETER_2004; EUROBAROMETER_2005; EUROBAROMETER_2006; EUROBAROMETER_2007; EUROBAROMETER_2008; EUROBAROMETER_2009; EUROBAROMETER_2010; EUROBAROMETER_2011; EUROBAROMETER_2012; EUROBAROMETER_2013; EUROBAROMETER_2014; EUROBAROMETER_2015; ISSP_1993; ISSP_1994; ISSP_1996; ISSP_1997; ISSP_1999; ISSP_2002; ISSP_2003; ISSP_2004; ISSP_2005; ISSP_2009; ISSP_2011; WB_LSMS_1995; WB_LSMS_1997; WB_LSMS_2001; WB_LSMS_2003; WB_LSMS_2007;
Burkina Faso	AFROBAROMETER SURVEY_2014; AFROBAROMETER_2017; DHS_1993; DHS_1999; DHS_2003; DHS_2011; IPUMS_1985; IPUMS_1996; IPUMS_2006; MACRO_MIS_2014; MICS_2006; WHO_WHS_2003;
Burundi	AFROBAROMETER SURVEY_2014; DHS_2011; DHS_2017; DYB_1990; MACRO_MIS_2013; MICS_2000; MICS_2005;
Cambodia	CDC_VACS_2013; DHS_2000; DHS_2006; DHS_2011; DHS_2014; IPUMS_1998; IPUMS_2008; KHMERCENSAL_POPULATION_SURVEY_2004; KHMERCENSAL_POPULATION_SURVEY_2013; KHMIO_ECONOMIC_SURVEY_1994; KHMIO_ECONOMIC_SURVEY_2005; KHMOR_FORCE_SURVEY_2000; KHMOR_FORCE_SURVEY_2001;
Cameroon	AFROBAROMETER_2017; DHS_1991; DHS_1998; DHS_2004; DHS_2011; IPUMS_1976; IPUMS_1987; IPUMS_2005; MICS_2000; MICS_2006; MICS_2014; WFS_1978;
Canada	IPUMS_1971; IPUMS_1981; IPUMS_1991; IPUMS_2001; IPUMS_2011; ISSP_1994; ISSP_1996; ISSP_1999; ISSP_2000; ISSP_2002; ISSP_2004; ISSP_2006; ISSP_2011; ISSP_2014; MCSS_2001;
Cape Verde	AFROBAROMETER SURVEY_2014; AFROBAROMETER_2002; AFROBAROMETER_2005; AFROBAROMETER_2008; AFROBAROMETER_2011; AFROBAROMETER_2017; CDC_RHS_1998; DHS_2005; RHS_1998;
Central African Republic	DHS_1995; MICS_2000; MICS_2006; MICS_2011;
Chad	DHS_1997; DHS_2004; DHS_2015; MICS_2000; MICS_2010; WHS_2003;
Chile	IPUMS_1960; IPUMS_1970; IPUMS_1992; IPUMS_2002; ISSP_1998; ISSP_2000; ISSP_2002; ISSP_2003; ISSP_2005; ISSP_2006; ISSP_2007; ISSP_2008; ISSP_2009; ISSP_2010; ISSP_2011; ISSP_2012; ISSP_2014; ISSP_2015; LATINOBAROMETER_1998; LATINOBAROMETER_2000; LATINOBAROMETER_2001; LATINOBAROMETER_2002; LATINOBAROMETER_2003; LATINOBAROMETER_2004; LATINOBAROMETER_2005; LATINOBAROMETER_2006; LATINOBAROMETER_2007; LATINOBAROMETER_2008; LATINOBAROMETER_2009; SURVEY_ADULT_SKILLS_2015;

China	CENSUS_2010; CGSS_2015; CHN_CHRONIC_DISEASE_RISK_FACTOR_SURVEILLANCE_2010; GLOBAL_ADULT_TOBACCO_SURVEY_2010; IPUMS_1982; IPUMS_1990; IPUMS_2000; ISSP_2008; ISSP_2011; ISSP_2012; ISSP_2015; MCSS_2001; WB_LSMS_1997; WB_STEP_HH_SURVEY_2012; WHO_SAGE_2010; WHO_WHS_2002;
Colombia	COLIOL_HEALTH_SURVEY_ENS_2008; DHS_1995; DHS_2000; DHS_2005; DHS_2010; IPUMS_1964; IPUMS_1973; IPUMS_1986; IPUMS_1994; IPUMS_2006; LATINOBAROMETER_1998; LATINOBAROMETER_2000; LATINOBAROMETER_2001; LATINOBAROMETER_2002; LATINOBAROMETER_2003; LATINOBAROMETER_2004; LATINOBAROMETER_2006; LATINOBAROMETER_2007; LATINOBAROMETER_2008; LATINOBAROMETER_2009; LATINOBAROMETER_2011; LATINOBAROMETER_2013; LATINOBAROMETER_2015; LATINOBAROMETER_2016; LATINOBAROMETER_2017; MCSS_2001; WFS_1976;
Comoros	DHS_1996; DHS_2013; MICS_2000; WHO_WHS_2003;
Congo	DHS_2005; DHS_2012; MACRO_AIS_2009; MICS_2015; WHO_WHS_2003;
Costa Rica	CDC_RHS_1993; CRIIOL_HOUSEHOLD_SURVEY_EHO_2015; IPUMS_1963; IPUMS_1973; IPUMS_1984; IPUMS_2000; IPUMS_2011; LATINOBAROMETER_1998; LATINOBAROMETER_2000; LATINOBAROMETER_2001; LATINOBAROMETER_2002; LATINOBAROMETER_2003; LATINOBAROMETER_2004; LATINOBAROMETER_2005; LATINOBAROMETER_2006; LATINOBAROMETER_2007; LATINOBAROMETER_2008; LATINOBAROMETER_2009; LATINOBAROMETER_2010; LATINOBAROMETER_2011; LATINOBAROMETER_2013; LATINOBAROMETER_2015; LATINOBAROMETER_2016; LATINOBAROMETER_2017; MCSS_2001; MICS_2011; RHS_1991; WFS_1976;
Cote d'Ivoire	DHS_1994; DHS_1999; DHS_2012; MACRO_AIS_2005; MICS_2000; MICS_2006; MICS_2016; WFS_1980; WHO_WHS_2003;
Croatia	EUROBAROMETER_2004; EUROBAROMETER_2005; EUROBAROMETER_2006; EUROBAROMETER_2007; EUROBAROMETER_2008; EUROBAROMETER_2009; EUROBAROMETER_2010; EUROBAROMETER_2011; EUROBAROMETER_2012; EUROBAROMETER_2013; EUROBAROMETER_2014; EUROBAROMETER_2015; EUROSTAT_2002; EUROSTAT_2003; EUROSTAT_2004; EUROSTAT_2005; EUROSTAT_2006; EUROSTAT_2007; EUROSTAT_2008; EUROSTAT_2009; EUROSTAT_2010; EUROSTAT_2011; EUROSTAT_2012; EUROSTAT_2013; EUROSTAT_2014; EUROSTAT_2015; EUROSTAT_2016; ISSP_2006; ISSP_2009; ISSP_2011; ISSP_2013; ISSP_2014; ISSP_2015; ISSP_2016; MCSS_2001; WHO_WHS_2003;
Cuba	IPUMS_2002; MICS_2006; MICS_2011; MICS_2014; PAHO_SABE_2000;
Cyprus	EUROBAROMETER_2004; EUROBAROMETER_2005; EUROBAROMETER_2006; EUROBAROMETER_2007; EUROBAROMETER_2008; EUROBAROMETER_2009; EUROBAROMETER_2010; EUROBAROMETER_2011; EUROBAROMETER_2012; EUROBAROMETER_2013; EUROBAROMETER_2014; EUROBAROMETER_2015; EUROSTAT_1999; EUROSTAT_2008; EUROSTAT_2014; EUROSTAT_2015; EUROSTAT_2016; ISSP_1996; ISSP_1997; ISSP_1998; ISSP_1999; ISSP_2002; ISSP_2004; ISSP_2005; ISSP_2007; ISSP_2008; ISSP_2012; MCSS_2001;
Czech Republic	EUROBAROMETER_2002; EUROBAROMETER_2004; EUROBAROMETER_2005; EUROBAROMETER_2006; EUROBAROMETER_2007; EUROBAROMETER_2008; EUROBAROMETER_2009; EUROBAROMETER_2010; EUROBAROMETER_2011; EUROBAROMETER_2012; EUROBAROMETER_2013; EUROBAROMETER_2014; EUROBAROMETER_2015; EUROSTAT_1998; EUROSTAT_1999; EUROSTAT_2007; EUROSTAT_2008; EUROSTAT_2009; EUROSTAT_2010; EUROSTAT_2011; EUROSTAT_2012; EUROSTAT_2013; EUROSTAT_2014; EUROSTAT_2015; EUROSTAT_2016; ISSP_1993; ISSP_1994; ISSP_1996; ISSP_1997; ISSP_1999; ISSP_2002; ISSP_2003; ISSP_2004; ISSP_2005; ISSP_2006; ISSP_2007; ISSP_2008; ISSP_2010; ISSP_2012; ISSP_2014; ISSP_2015; MCSS_2001; RHS_1993; SURVEY_ADULT_SKILLS_2012; WHO_WHS_2003;
Democratic Republic of the Congo	DHS_2007; DHS_2014; MICS_2001; MICS_2010;
Denmark	EUROBAROMETER_1990; EUROBAROMETER_1992; EUROBAROMETER_1993; EUROBAROMETER_1994; EUROBAROMETER_1995; EUROBAROMETER_1996; EUROBAROMETER_1997; EUROBAROMETER_1998; EUROBAROMETER_1999; EUROBAROMETER_2000; EUROBAROMETER_2001; EUROBAROMETER_2002; EUROBAROMETER_2003; EUROBAROMETER_2004; EUROBAROMETER_2005; EUROBAROMETER_2006; EUROBAROMETER_2007; EUROBAROMETER_2008; EUROBAROMETER_2009; EUROBAROMETER_2010; EUROBAROMETER_2011; EUROBAROMETER_2012; EUROBAROMETER_2013; EUROBAROMETER_2014; EUROBAROMETER_2015; EUROSTAT_1998; EUROSTAT_1999; EUROSTAT_2008; EUROSTAT_2009; EUROSTAT_2010; EUROSTAT_2011; EUROSTAT_2012; EUROSTAT_2013; EUROSTAT_2014; EUROSTAT_2015; EUROSTAT_2016; ISSP_1997; ISSP_2000; ISSP_2002; ISSP_2003; ISSP_2004; ISSP_2005; ISSP_2006; ISSP_2008; ISSP_2009; ISSP_2010; ISSP_2011; ISSP_2013; ISSP_2014; ISSP_2015; ISSP_2016; MCSS_2001;
Djibouti	MICS_2006;
Dominica	CENSUS_1981;

Dominican Republic	DHS_1991; DHS_1996; DHS_1999; DHS_2002; DHS_2007; DHS_2013; IPUMS_1960; IPUMS_1970; IPUMS_1981; IPUMS_2002; IPUMS_2010; ISSP_2005; ISSP_2006; ISSP_2007; ISSP_2008; LATINOBAROMETER_2005; LATINOBAROMETER_2006; LATINOBAROMETER_2007; LATINOBAROMETER_2008; LATINOBAROMETER_2009; LATINOBAROMETER_2011; LATINOBAROMETER_2013; LATINOBAROMETER_2015; LATINOBAROMETER_2016; LATINOBAROMETER_2017; MICS_2000; MICS_2014; WFS_1975; WFS_1980; WHO_WHS_2003;
Ecuador	CDC_RHS_1994; CDC_RHS_1999; CDC_RHS_2004; IPUMS_1962; IPUMS_1974; IPUMS_1982; IPUMS_1990; IPUMS_2001; IPUMS_2010; LATINOBAROMETER_1998; LATINOBAROMETER_2000; LATINOBAROMETER_2001; LATINOBAROMETER_2002; LATINOBAROMETER_2003; LATINOBAROMETER_2004; LATINOBAROMETER_2005; LATINOBAROMETER_2006; LATINOBAROMETER_2007; LATINOBAROMETER_2008; LATINOBAROMETER_2009; LATINOBAROMETER_2010; LATINOBAROMETER_2011; LATINOBAROMETER_2013; LATINOBAROMETER_2015; LATINOBAROMETER_2016; LATINOBAROMETER_2017; WB_LSMS_1994; WFS_1979; WHO_WHS_2003;
Egypt	AFROBAROMETER_2013; ARAB_BAROMETER_2014; DHS_1993; DHS_1996; DHS_2000; DHS_2003; DHS_2005; DHS_2008; DHS_2014; IPUMS_1996; IPUMS_2006; MICS_2014; WFS_1980;
El Salvador	CDC_RHS_1993; CDC_RHS_1998; CDC_RHS_2003; CDC_RHS_2008; IPUMS_1992; IPUMS_2007; LATINOBAROMETER_2001; LATINOBAROMETER_2003; LATINOBAROMETER_2004; LATINOBAROMETER_2005; LATINOBAROMETER_2006; LATINOBAROMETER_2007; LATINOBAROMETER_2008; LATINOBAROMETER_2009; LATINOBAROMETER_2010; LATINOBAROMETER_2011; LATINOBAROMETER_2013; LATINOBAROMETER_2015; LATINOBAROMETER_2016; LATINOBAROMETER_2017; MICS_2014; SURVEY_2015;
Equatorial Guinea	CENSUS_2011; MICS_2000;
Eritrea	CENSUS_1995; CENSUS_2002; CENSUS_2010; DHS_1996; DHS_2002;
Estonia	EUROBAROMETER_2004; EUROBAROMETER_2005; EUROBAROMETER_2006; EUROBAROMETER_2007; EUROBAROMETER_2008; EUROBAROMETER_2009; EUROBAROMETER_2010; EUROBAROMETER_2011; EUROBAROMETER_2012; EUROBAROMETER_2013; EUROBAROMETER_2014; EUROBAROMETER_2015; EUROSTAT_1998; EUROSTAT_1999; EUROSTAT_2007; EUROSTAT_2008; EUROSTAT_2009; EUROSTAT_2010; EUROSTAT_2011; EUROSTAT_2012; EUROSTAT_2013; EUROSTAT_2014; EUROSTAT_2015; EUROSTAT_2016; ISSP_2010; ISSP_2013; ISSP_2015; WHO_WHS_2003;
Ethiopia	DHS_2000; DHS_2005; DHS_2011; DHS_2014; DHS_2016; ETHFARE_MONITORING_SURVEY_2004; ETHLTH_NUTRITION_SURVEY_1998; IPUMS_1994; IPUMS_2007;
Federated States of Micronesia	CENSUS_2000; CENSUS_2006;
Fiji	IPUMS_1976; IPUMS_1986; IPUMS_1996; IPUMS_2007; WFS_1974;
Finland	EUROBAROMETER_1995; EUROBAROMETER_1996; EUROBAROMETER_1997; EUROBAROMETER_1998; EUROBAROMETER_1999; EUROBAROMETER_2000; EUROBAROMETER_2001; EUROBAROMETER_2002; EUROBAROMETER_2003; EUROBAROMETER_2004; EUROBAROMETER_2005; EUROBAROMETER_2006; EUROBAROMETER_2007; EUROBAROMETER_2008; EUROBAROMETER_2009; EUROBAROMETER_2010; EUROBAROMETER_2011; EUROBAROMETER_2012; EUROBAROMETER_2013; EUROBAROMETER_2014; EUROBAROMETER_2015; EUROSTAT_1998; EUROSTAT_1999; EUROSTAT_2007; EUROSTAT_2008; EUROSTAT_2009; EUROSTAT_2010; EUROSTAT_2011; EUROSTAT_2012; EUROSTAT_2013; EUROSTAT_2014; EUROSTAT_2015; EUROSTAT_2016; ISSP_2002; ISSP_2003; ISSP_2004; ISSP_2005; ISSP_2006; ISSP_2007; ISSP_2009; ISSP_2011; ISSP_2012; ISSP_2013; ISSP_2014; ISSP_2015; WHS_2004;
France	EUROBAROMETER_1990; EUROBAROMETER_1992; EUROBAROMETER_1993; EUROBAROMETER_1994; EUROBAROMETER_1995; EUROBAROMETER_1996; EUROBAROMETER_1997; EUROBAROMETER_1998; EUROBAROMETER_1999; EUROBAROMETER_2000; EUROBAROMETER_2001; EUROBAROMETER_2002; EUROBAROMETER_2003; EUROBAROMETER_2004; EUROBAROMETER_2005; EUROBAROMETER_2006; EUROBAROMETER_2007; EUROBAROMETER_2008; EUROBAROMETER_2009; EUROBAROMETER_2010; EUROBAROMETER_2011; EUROBAROMETER_2012; EUROBAROMETER_2013; EUROBAROMETER_2014; EUROBAROMETER_2015; EUROSTAT_1998; EUROSTAT_1999; EUROSTAT_2007; EUROSTAT_2008; EUROSTAT_2009; EUROSTAT_2010; EUROSTAT_2011; EUROSTAT_2012; EUROSTAT_2013; EUROSTAT_2014; EUROSTAT_2015; EUROSTAT_2016; IPUMS_2006; IPUMS_2011; ISSP_1997; ISSP_1998; ISSP_1999; ISSP_2002; ISSP_2003; ISSP_2005; ISSP_2006; ISSP_2007; ISSP_2008; ISSP_2009; ISSP_2010; ISSP_2011; ISSP_2012; ISSP_2013; ISSP_2014; ISSP_2015; MCSS_2001; WHO_WHS_2003;
Gabon	AFROBAROMETER SURVEY_2015; AFROBAROMETER_2017; DHS_2001; DHS_2012;
Georgia	CDC_RHS_2000; CDC_RHS_2005; CDC_RHS_2011; GEO_2011; HEALTH_IN_TIMES_OF_TRANSITION_HITT_CIS_2010; ISSP_2013; ISSP_2016; RHS_1999; RHS_2005; RHS_2010; WHO_WHS_2003;
Germany	EUROBAROMETER_1990; EUROBAROMETER_1992; EUROBAROMETER_1993; EUROBAROMETER_1994; EUROBAROMETER_1995; EUROBAROMETER_1996; EUROBAROMETER_1997; EUROBAROMETER_1998;

	EUROBAROMETER_1999; EUROBAROMETER_2000; EUROBAROMETER_2001; EUROBAROMETER_2002; EUROBAROMETER_2003; EUROBAROMETER_2004; EUROBAROMETER_2005; EUROBAROMETER_2006; EUROBAROMETER_2007; EUROBAROMETER_2008; EUROBAROMETER_2009; EUROBAROMETER_2010; EUROBAROMETER_2011; EUROBAROMETER_2012; EUROBAROMETER_2013; EUROBAROMETER_2014; EUROBAROMETER_2015; EUROSTAT_1999; EUROSTAT_2000; EUROSTAT_2001; EUROSTAT_2002; EUROSTAT_2003; EUROSTAT_2004; EUROSTAT_2005; EUROSTAT_2006; EUROSTAT_2007; EUROSTAT_2008; EUROSTAT_2009; EUROSTAT_2010; EUROSTAT_2011; EUROSTAT_2012; EUROSTAT_2013; EUROSTAT_2014; EUROSTAT_2016; IPUMS_1981; ISSP_1989; ISSP_1992; ISSP_1994; ISSP_1996; ISSP_1998; ISSP_2000; ISSP_2002; ISSP_2004; ISSP_2006; ISSP_2008; ISSP_2010; ISSP_2012; ISSP_2014; ISSP_2016; MCSS_2001;
Ghana	AFROBAROMETER_SURVEY_2014; AFROBAROMETER_2012; AFROBAROMETER_2017; DHS_1994; DHS_1999; DHS_2003; DHS_2008; DHS_2014; DHS_2017; IPUMS_1984; IPUMS_2000; IPUMS_2010; MACRO_MIS_2016; MICS_2006; WB_LSMS_2013; WFS_1979; WHO_WHS_2003;
Greece	EUROBAROMETER_1990; EUROBAROMETER_1992; EUROBAROMETER_1993; EUROBAROMETER_1994; EUROBAROMETER_1995; EUROBAROMETER_1996; EUROBAROMETER_1997; EUROBAROMETER_1998; EUROBAROMETER_1999; EUROBAROMETER_2000; EUROBAROMETER_2001; EUROBAROMETER_2002; EUROBAROMETER_2003; EUROBAROMETER_2004; EUROBAROMETER_2005; EUROBAROMETER_2006; EUROBAROMETER_2007; EUROBAROMETER_2008; EUROBAROMETER_2009; EUROBAROMETER_2010; EUROBAROMETER_2011; EUROBAROMETER_2012; EUROBAROMETER_2013; EUROBAROMETER_2014; EUROBAROMETER_2015; EUROSTAT_1998; EUROSTAT_1999; EUROSTAT_2007; EUROSTAT_2008; EUROSTAT_2009; EUROSTAT_2010; EUROSTAT_2011; EUROSTAT_2012; EUROSTAT_2013; EUROSTAT_2014; EUROSTAT_2015; EUROSTAT_2016; IPUMS_1971; IPUMS_1981; IPUMS_1991; IPUMS_2001; IPUMS_2011; SURVEY_ADULT_SKILLS_2015;
Greenland	CENSUS_2010;
Grenada	CENSUS_1981; CENSUS_1990; CENSUS_2011;
Guam	BRFSS_2001; BRFSS_2002; BRFSS_2003; BRFSS_2007; BRFSS_2008; BRFSS_2009; BRFSS_2010; BRFSS_2012; BRFSS_2013; BRFSS_2014; DYB_1990; USASS_2015;
Guatemala	CDC_RHS_2002; CENSUS_1995; DHS_1995; DHS_1999; DHS_2015; LATINOBAROMETER_2003; LATINOBAROMETER_2004; LATINOBAROMETER_2005; LATINOBAROMETER_2006; LATINOBAROMETER_2007; LATINOBAROMETER_2008; LATINOBAROMETER_2009; LATINOBAROMETER_2010; LATINOBAROMETER_2011; LATINOBAROMETER_2013; LATINOBAROMETER_2015; LATINOBAROMETER_2016; LATINOBAROMETER_2017;
Guinea	AFROBAROMETER_2013; DHS_1999; DHS_2005; DHS_2012; IPUMS_1983; IPUMS_1996; MICS_2016;
Guinea-Bissau	MICS_2000; MICS_2006; MICS_2010; MICS_2014;
Guyana	DHS_2009; MACRO_AIS_2005; MICS_2000; MICS_2007; MICS_2014; WFS_1975;
Haiti	DHS_1995; DHS_2000; DHS_2006; DHS_2012; DHS_2017; IPUMS_1982; IPUMS_2003; WFS_1977;
Honduras	CDC_RHS_1996; CDC_RHS_2001; DHS_2006; DHS_2012; IPUMS_1961; IPUMS_1974; IPUMS_1988; IPUMS_2001; LATINOBAROMETER_2002; LATINOBAROMETER_2003; LATINOBAROMETER_2004; LATINOBAROMETER_2005; LATINOBAROMETER_2006; LATINOBAROMETER_2007; LATINOBAROMETER_2008; LATINOBAROMETER_2009; LATINOBAROMETER_2010; LATINOBAROMETER_2011; LATINOBAROMETER_2013; LATINOBAROMETER_2015; LATINOBAROMETER_2016; LATINOBAROMETER_2017;
Hungary	EUROBAROMETER_2002; EUROBAROMETER_2004; EUROBAROMETER_2005; EUROBAROMETER_2006; EUROBAROMETER_2007; EUROBAROMETER_2008; EUROBAROMETER_2009; EUROBAROMETER_2010; EUROBAROMETER_2011; EUROBAROMETER_2012; EUROBAROMETER_2013; EUROBAROMETER_2014; EUROBAROMETER_2015; EUROSTAT_1998; EUROSTAT_1999; EUROSTAT_2007; EUROSTAT_2008; EUROSTAT_2009; EUROSTAT_2010; EUROSTAT_2011; EUROSTAT_2012; EUROSTAT_2013; EUROSTAT_2014; EUROSTAT_2015; EUROSTAT_2016; IPUMS_1970; IPUMS_1980; IPUMS_1990; IPUMS_2001; ISSP_1989; ISSP_1992; ISSP_1994; ISSP_1996; ISSP_1998; ISSP_2002; ISSP_2003; ISSP_2004; ISSP_2005; ISSP_2006; ISSP_2007; ISSP_2008; ISSP_2009; ISSP_2013; ISSP_2014; ISSP_2015; MCSS_2001; WHO_WHS_2003;
Iceland	EUROBAROMETER_2003; EUROBAROMETER_2005; EUROBAROMETER_2010; EUROBAROMETER_2011; EUROBAROMETER_2012; EUROBAROMETER_2013; EUROBAROMETER_2014; EUROSTAT_1999; EUROSTAT_2007; EUROSTAT_2008; EUROSTAT_2009; EUROSTAT_2010; EUROSTAT_2011; EUROSTAT_2012; EUROSTAT_2013; EUROSTAT_2014; EUROSTAT_2015; EUROSTAT_2016; ISSP_2010; ISSP_2014; ISSP_2015; ISSP_2016;
India	DHS_1993; DHS_2000; DHS_2006; DHS_2015; DHS_2016; INDAN_DEVELOPMENT_SURVEY_2005; INDIOL_SAMPLE_SURVEY_1994; INDIOL_SAMPLE_SURVEY_2010; INDIOL_SAMPLE_SURVEY_2012; INDTRICT_LEVEL_HOUSEHOLD_SURVEY_2008; INDTRICT_LEVEL_HOUSEHOLD_SURVEY_2014; IPUMS_1983; IPUMS_1988; IPUMS_1994; IPUMS_2000; IPUMS_2005; IPUMS_2010; ISSP_2014; ISSP_2015; ISSP_2016; ISSP_2017; MCSS_2001; NSSO_1987; NSSO_1991; NSSO_2007; NSSO_2014; WHO_SAGE_2007; WHO_WHS_2003;

Indonesia	DHS_1991; DHS_1994; DHS_1997; DHS_2003; DHS_2007; DHS_2012; IPUMS_1971; IPUMS_1976; IPUMS_1980; IPUMS_1995; IPUMS_2005; MCSS_2001; MICS_2000;
Iran	CENSUS_2016; IPUMS_2006; IPUMS_2011;
Iraq	HH_SOCIOECONOMIC_SURVEY_2007; IPUMS_1997; MICS_2000; MICS_2006; MICS_2011;
Ireland	EUROBAROMETER_1990; EUROBAROMETER_1992; EUROBAROMETER_1993; EUROBAROMETER_1994; EUROBAROMETER_1995; EUROBAROMETER_1996; EUROBAROMETER_1997; EUROBAROMETER_1998; EUROBAROMETER_1999; EUROBAROMETER_2000; EUROBAROMETER_2001; EUROBAROMETER_2002; EUROBAROMETER_2003; EUROBAROMETER_2004; EUROBAROMETER_2005; EUROBAROMETER_2006; EUROBAROMETER_2007; EUROBAROMETER_2008; EUROBAROMETER_2009; EUROBAROMETER_2010; EUROBAROMETER_2011; EUROBAROMETER_2012; EUROBAROMETER_2013; EUROBAROMETER_2014; EUROBAROMETER_2015; EUROSTAT_1999; EUROSTAT_2007; EUROSTAT_2008; EUROSTAT_2009; EUROSTAT_2010; EUROSTAT_2011; EUROSTAT_2012; EUROSTAT_2013; EUROSTAT_2014; EUROSTAT_2015; EUROSTAT_2016; IPUMS_1971; IPUMS_1981; IPUMS_1991; IPUMS_1996; IPUMS_2002; IPUMS_2006; IPUMS_2011; ISSP_1989; ISSP_1994; ISSP_1996; ISSP_1998; ISSP_2002; ISSP_2003; ISSP_2006; ISSP_2008; ISSP_2013; MCSS_2001; SURVEY_ADULT_SKILLS_2012; WHO_WHS_2003;
Israel	IPUMS_1972; IPUMS_1983; IPUMS_1995; ISSP_1989; ISSP_1994; ISSP_1996; ISSP_1999; ISSP_2000; ISSP_2002; ISSP_2004; ISSP_2005; ISSP_2007; ISSP_2010; ISSP_2011; ISSP_2012; ISSP_2014; ISSP_2016; SURVEY_ADULT_SKILLS_2015; WHO_WHS_2003;
Italy	EUROBAROMETER_1990; EUROBAROMETER_1992; EUROBAROMETER_1993; EUROBAROMETER_1994; EUROBAROMETER_1995; EUROBAROMETER_1996; EUROBAROMETER_1997; EUROBAROMETER_1998; EUROBAROMETER_1999; EUROBAROMETER_2000; EUROBAROMETER_2001; EUROBAROMETER_2002; EUROBAROMETER_2003; EUROBAROMETER_2004; EUROBAROMETER_2005; EUROBAROMETER_2006; EUROBAROMETER_2007; EUROBAROMETER_2008; EUROBAROMETER_2009; EUROBAROMETER_2010; EUROBAROMETER_2011; EUROBAROMETER_2012; EUROBAROMETER_2013; EUROBAROMETER_2014; EUROBAROMETER_2015; EUROSTAT_2007; EUROSTAT_2008; EUROSTAT_2009; EUROSTAT_2010; EUROSTAT_2011; EUROSTAT_2012; EUROSTAT_2013; EUROSTAT_2014; EUROSTAT_2015; EUROSTAT_2016; IPUMS_2001; IPUMS_2011; ISSP_1989; ISSP_1994; ISSP_1996; ISSP_1997; ISSP_2000; ISSP_2002; ISSP_2010; ISSP_2012; ISSP_2013; ITAD_IALS_2003; ITAECTS_OF_DAILY_LIFE_2014; ITAVEY_OF_HH_INCOME_AND_WEALTH_1978; ITAVEY_OF_HH_INCOME_AND_WEALTH_1990; ITAVEY_OF_HH_INCOME_AND_WEALTH_1992; ITAVEY_OF_HH_INCOME_AND_WEALTH_1994; ITAVEY_OF_HH_INCOME_AND_WEALTH_1996; ITAVEY_OF_HH_INCOME_AND_WEALTH_1999; ITAVEY_OF_HH_INCOME_AND_WEALTH_2001; ITAVEY_OF_HH_INCOME_AND_WEALTH_2003; ITAVEY_OF_HH_INCOME_AND_WEALTH_2005; ITAVEY_OF_HH_INCOME_AND_WEALTH_2007; ITAVEY_OF_HH_INCOME_AND_WEALTH_2009; MCSS_2001; SURVEY_ADULT_SKILLS_2012;
Jamaica	CDC_RHS_2003; IPUMS_1982; IPUMS_1991; WB_LSMS_1990; WB_LSMS_1992; WB_LSMS_1993; WB_LSMS_1994; WB_LSMS_1995; WB_LSMS_1996; WB_LSMS_1997; WFS_1975;
Japan	CENSUS_2012; ISSP_1994; ISSP_1996; ISSP_1997; ISSP_1998; ISSP_1999; ISSP_2002; ISSP_2003; ISSP_2010; SURVEY_ADULT_SKILLS_2012;
Jordan	ARAB_BAROMETER_2014; DHS_1990; DHS_1997; DHS_2007; DHS_2009; DHS_2012; IPUMS_2004;
Kazakhstan	DHS_1995; DHS_1999; MICS_2006; MICS_2011; MICS_2015; WHO_WHS_2003;
Kenya	AFROBAROMETER SURVEY_2014; AFROBAROMETER_2005; AFROBAROMETER_2016; CENSUS_1989; CENSUS_1999; DHS_1993; DHS_1998; DHS_2003; DHS_2009; DHS_2014; IPUMS_1969; IPUMS_1979; IPUMS_1989; IPUMS_2009; KENBS_2006; KENS_INDICATOR_SURVEY_2007; KENS_INDICATOR_SURVEY_2013; MICS_2000; MICS_2008; WFS_1977; WHS_2004;
Kiribati	CENSUS_2004; CENSUS_2015; DYB_2010;
Kuwait	ARAB_BAROMETER_2014; DYB_1985; DYB_1995; OTHER_SURVEY_1996; OTHER_SURVEY_2006;
Kyrgyzstan	DHS_1997; DHS_2012; HEALTH_IN_TIMES_OF_TRANSITION_HITT_CIS_2011; IPUMS_1999; IPUMS_2009; MICS_2006; MICS_2014; WB_LSMS_1997;
Laos	CENSUS_1995; CENSUS_2005; MICS_2000; MICS_2006; MICS_2012; MICS_2017; WHO_WHS_2003;
Latvia	CENSUS_2016; EUROBAROMETER_2004; EUROBAROMETER_2005; EUROBAROMETER_2006; EUROBAROMETER_2007; EUROBAROMETER_2008; EUROBAROMETER_2009; EUROBAROMETER_2010; EUROBAROMETER_2011; EUROBAROMETER_2012; EUROBAROMETER_2013; EUROBAROMETER_2014; EUROBAROMETER_2015; EUROSTAT_1999; EUROSTAT_2007; EUROSTAT_2008; EUROSTAT_2009; EUROSTAT_2010; EUROSTAT_2011; EUROSTAT_2012; EUROSTAT_2013; EUROSTAT_2014; EUROSTAT_2015; EUROSTAT_2016; ISSP_1996; ISSP_1998;

	ISSP_1999; ISSP_2002; ISSP_2003; ISSP_2006; ISSP_2007; ISSP_2009; ISSP_2011; ISSP_2013; ISSP_2016; MCSS_2001; WHO_WHS_2003;
Lebanon	ARAB_BAROMETER_2014; ARAB_LEAGUE_PAPCHILD_1996; CENSUS_2009; MCSS_2001;
Lesotho	AFROBAROMETER SURVEY_2014; AFROBAROMETER_2000; AFROBAROMETER_2005; AFROBAROMETER_2008; AFROBAROMETER_2012; AFROBAROMETER_2017; CENSUS_2001; CENSUS_2004; CENSUS_2009; CENSUS_2014; DHS_2005; DHS_2010; DHS_2014; DYB_2006; IPUMS_1996; IPUMS_2006; MICS_2000; WFS_1977;
Liberia	AFROBAROMETER SURVEY_2015; AFROBAROMETER_2008; AFROBAROMETER_2012; DHS_2007; DHS_2013; IPUMS_1974; IPUMS_2008; MACRO_MIS_2011; MACRO_MIS_2016;
Libya	ARAB_BAROMETER_2014; ARAB_LEAGUE_PAPFAM_2007;
Lithuania	EUROBAROMETER_2004; EUROBAROMETER_2005; EUROBAROMETER_2006; EUROBAROMETER_2007; EUROBAROMETER_2008; EUROBAROMETER_2009; EUROBAROMETER_2010; EUROBAROMETER_2011; EUROBAROMETER_2012; EUROBAROMETER_2013; EUROBAROMETER_2014; EUROBAROMETER_2015; EUROSTAT_1998; EUROSTAT_1999; EUROSTAT_2007; EUROSTAT_2008; EUROSTAT_2009; EUROSTAT_2010; EUROSTAT_2011; EUROSTAT_2012; EUROSTAT_2013; EUROSTAT_2014; EUROSTAT_2015; EUROSTAT_2016; ISSP_2011; ISSP_2013; ISSP_2015; OECD_PIAAC_2015;
Luxembourg	EUROBAROMETER_1992; EUROBAROMETER_1993; EUROBAROMETER_1994; EUROBAROMETER_1995; EUROBAROMETER_1996; EUROBAROMETER_1997; EUROBAROMETER_1998; EUROBAROMETER_1999; EUROBAROMETER_2000; EUROBAROMETER_2001; EUROBAROMETER_2002; EUROBAROMETER_2003; EUROBAROMETER_2004; EUROBAROMETER_2005; EUROBAROMETER_2006; EUROBAROMETER_2007; EUROBAROMETER_2008; EUROBAROMETER_2009; EUROBAROMETER_2010; EUROBAROMETER_2011; EUROBAROMETER_2012; EUROBAROMETER_2013; EUROBAROMETER_2014; EUROBAROMETER_2015; MCSS_2001; WHO_WHS_2003;
Macedonia	EUROBAROMETER_2007; EUROBAROMETER_2008; EUROBAROMETER_2009; EUROBAROMETER_2010; EUROBAROMETER_2011; EUROBAROMETER_2012; EUROBAROMETER_2013; EUROBAROMETER_2014; EUROBAROMETER_2015; MICS_2011;
Madagascar	AFROBAROMETER SURVEY_2015; AFROBAROMETER_2005; AFROBAROMETER_2013; AFROBAROMETER_2018; DHS_1992; DHS_1997; DHS_2004; DHS_2009; MACRO_MIS_2011; MACRO_MIS_2016;
Malawi	AFROBAROMETER SURVEY_2014; AFROBAROMETER_2012; AFROBAROMETER_2017; DHS_1992; DHS_2000; DHS_2005; DHS_2010; DHS_2016; IPUMS_1987; IPUMS_1998; IPUMS_2008; MACRO_MIS_2012; MACRO_MIS_2017; MICS_2014; SURVEY_2002; WHO_WHS_2003;
Malaysia	IPUMS_1970; IPUMS_1980; IPUMS_1991; IPUMS_2000; MYSILY_LIFE_SURVEYS_1977; WHS_2003;
Maldives	CENSUS_1990; CENSUS_2004; CENSUS_2011; DHS_2009; DYB_1985; DYB_1990; DYB_2000; DYB_2006;
Mali	AFROBAROMETER SURVEY_2014; AFROBAROMETER_2002; AFROBAROMETER_2005; AFROBAROMETER_2013; AFROBAROMETER_2017; DHS_1996; DHS_2001; DHS_2006; DHS_2013; IPUMS_1987; IPUMS_1998; IPUMS_2009; MACRO_MIS_2015;
Malta	EUROBAROMETER_2004; EUROBAROMETER_2005; EUROBAROMETER_2006; EUROBAROMETER_2007; EUROBAROMETER_2008; EUROBAROMETER_2009; EUROBAROMETER_2010; EUROBAROMETER_2011; EUROBAROMETER_2012; EUROBAROMETER_2013; EUROBAROMETER_2014; EUROBAROMETER_2015; EUROSTAT_2009; EUROSTAT_2010; EUROSTAT_2011; EUROSTAT_2012; EUROSTAT_2013; EUROSTAT_2014; EUROSTAT_2015; EUROSTAT_2016;
Marshall Islands	CENSUS_2007;
Mauritania	MICS_2007; MICS_2015; WFS_1981; WHO_WHS_2003;
Mauritius	AFROBAROMETER SURVEY_2014; AFROBAROMETER_2012; AFROBAROMETER_2017; CENSUS_2011; DYB_1990; DYB_2000; DYB_2011; WHO_WHS_2003;
Mexico	CENSUS_2000; DHS_1987; IPUMS_1960; IPUMS_1970; IPUMS_1990; IPUMS_1995; IPUMS_2005; IPUMS_2015; ISSP_2002; ISSP_2003; ISSP_2006; ISSP_2007; ISSP_2009; ISSP_2011; ISSP_2013; ISSP_2015; ISSP_2017; LATINOBAROMETER_2001; LATINOBAROMETER_2002; LATINOBAROMETER_2003; LATINOBAROMETER_2004; LATINOBAROMETER_2005; LATINOBAROMETER_2006; LATINOBAROMETER_2007; LATINOBAROMETER_2008; LATINOBAROMETER_2009; LATINOBAROMETER_2010; LATINOBAROMETER_2011; LATINOBAROMETER_2013; LATINOBAROMETER_2015; LATINOBAROMETER_2016; LATINOBAROMETER_2017; MEX_FAMILY_LIFE_SURVEY_2002; MEX_FAMILY_LIFE_SURVEY_2006; MEX_FAMILY_LIFE_SURVEY_2013; MEXIOL_ADDICTION_SURVEY_E_2002; MEXIOL_ADDICTION_SURVEY_E_2008; MEXIOL_ADDICTION_SURVEY_E_2011; MEXIOL_PERFORMANCE_EVALUATION_SURVEY_ENED_2003; MEXIOL_REPRODUCTIVE_HEALTH_SURVEY_ENSAR_2003; MEXVEY_HEALTH_AND_NUTRITION_ENSANUT_2006; MEXVEY_HEALTH_AND_NUTRITION_ENSANUT_2012; MICS_2006; MICS_2009; MICS_2014; MICS_2015; MICS_2016; PAHO_SABE_2000; WFS_1976; WHO_WHS_2003;

Moldova	CDC_RHS_1997; CENSUS_2005; DHS_2005; DYB_2004; HEALTH_IN_TIMES_OF_TRANSITION_HITT_CIS_2010; MICS_2000; MICS_2012;
Mongolia	IPUMS_1989; IPUMS_2000; MICS_2005; MICS_2010; MICS_2012; MICS_2013; MNGOR_FORCE_SURVEY_2014; RHS_2008;
Montenegro	EUROBAROMETER_2011; EUROBAROMETER_2012; EUROBAROMETER_2013; EUROBAROMETER_2014; EUROBAROMETER_2015; MICS_2013;
Morocco	AFROBAROMETER SURVEY_2015; AFROBAROMETER_2013; ARAB_BAROMETER_2014; DHS_1992; DHS_2004; IPUMS_1982; IPUMS_1994; IPUMS_2004; WFS_1980;
Mozambique	AFROBAROMETER SURVEY_2015; AFROBAROMETER_2002; AFROBAROMETER_2012; DHS_1997; DHS_2004; DHS_2011; IPUMS_1997; IPUMS_2007; MACRO_AIS_2009;
Myanmar	CENSUS_1991; CENSUS_1997; CENSUS_2001; CENSUS_2007; DHS_2016; MICS_2000; MICS_2010; WHO_WHS_2003;
Namibia	AFROBAROMETER SURVEY_2014; AFROBAROMETER_1999; AFROBAROMETER_2008; AFROBAROMETER_2012; AFROBAROMETER_2017; DHS_1992; DHS_2000; DHS_2007; DHS_2013; WHS_2003;
Nepal	DHS_1996; DHS_2001; DHS_2006; DHS_2011; DHS_2017; IPUMS_2001; MICS_2010; MICS_2014; WFS_1976; WHS_2003;
Netherlands	EUROBAROMETER_1990; EUROBAROMETER_1992; EUROBAROMETER_1993; EUROBAROMETER_1994; EUROBAROMETER_1995; EUROBAROMETER_1996; EUROBAROMETER_1997; EUROBAROMETER_1998; EUROBAROMETER_1999; EUROBAROMETER_2000; EUROBAROMETER_2001; EUROBAROMETER_2002; EUROBAROMETER_2003; EUROBAROMETER_2004; EUROBAROMETER_2005; EUROBAROMETER_2006; EUROBAROMETER_2007; EUROBAROMETER_2008; EUROBAROMETER_2009; EUROBAROMETER_2010; EUROBAROMETER_2011; EUROBAROMETER_2012; EUROBAROMETER_2013; EUROBAROMETER_2014; EUROBAROMETER_2015; EUROSTAT_1998; EUROSTAT_1999; EUROSTAT_2007; EUROSTAT_2008; EUROSTAT_2009; EUROSTAT_2010; EUROSTAT_2011; EUROSTAT_2012; EUROSTAT_2013; EUROSTAT_2014; EUROSTAT_2015; EUROSTAT_2016; IPUMS_1971; IPUMS_2001; IPUMS_2011; ISSP_1990; ISSP_1994; ISSP_1995; ISSP_1996; ISSP_1998; ISSP_1999; ISSP_2002; ISSP_2003; ISSP_2005; ISSP_2006; ISSP_2008; ISSP_2011; ISSP_2014; MCSS_2001;
New Zealand	CENSUS_1986; CENSUS_2006; CENSUS_2013; ISSP_1992; ISSP_1994; ISSP_1996; ISSP_1997; ISSP_1998; ISSP_2002; ISSP_2004; ISSP_2005; ISSP_2006; ISSP_2007; ISSP_2008; ISSP_2010; ISSP_2015; NZLS_ALL_2007;
Nicaragua	CDC_RHS_1993; CDC_RHS_2007; DHS_1998; DHS_2001; IPUMS_1971; IPUMS_1995; IPUMS_2005; LATINOBAROMETER_2003; LATINOBAROMETER_2004; LATINOBAROMETER_2005; LATINOBAROMETER_2006; LATINOBAROMETER_2007; LATINOBAROMETER_2008; LATINOBAROMETER_2009; LATINOBAROMETER_2010; LATINOBAROMETER_2011; LATINOBAROMETER_2013; LATINOBAROMETER_2015; LATINOBAROMETER_2016; LATINOBAROMETER_2017; NIC_ENDESA_2012;
Niger	AFROBAROMETER SURVEY_2015; AFROBAROMETER_2013; AFROBAROMETER_2018; DHS_1992; DHS_1998; DHS_2006; DHS_2012; MICS_2000; WB_LSMS_2012;
Nigeria	AFROBAROMETER SURVEY_2015; AFROBAROMETER_2000; AFROBAROMETER_2001; AFROBAROMETER_2005; AFROBAROMETER_2008; AFROBAROMETER_2012; AFROBAROMETER_2017; DHS_2003; DHS_2008; DHS_2013; IPUMS_2007; IPUMS_2008; IPUMS_2009; IPUMS_2010; MACRO_MIS_2010; MICS_2007; MICS_2011; MICS_2017;
North Korea	CENSUS_2008;
Northern Mariana Islands	CENSUS_1990; CENSUS_1995; CENSUS_2000; CENSUS_2003; CENSUS_2005;
Norway	EUROBAROMETER_1990; EUROBAROMETER_1991; EUROBAROMETER_1992; EUROBAROMETER_1993; EUROBAROMETER_1994; EUROBAROMETER_1995; EUROBAROMETER_1996; EUROBAROMETER_1999; EUROBAROMETER_2000; EUROBAROMETER_2001; EUROBAROMETER_2003; EUROBAROMETER_2005; EUROBAROMETER_2010; EUROBAROMETER_2011; EUROSTAT_1998; EUROSTAT_1999; EUROSTAT_2007; EUROSTAT_2008; EUROSTAT_2009; EUROSTAT_2010; EUROSTAT_2011; EUROSTAT_2012; EUROSTAT_2013; EUROSTAT_2014; EUROSTAT_2015; EUROSTAT_2016; ISSP_1989; ISSP_1992; ISSP_1994; ISSP_1996; ISSP_1997; ISSP_1999; ISSP_2002; ISSP_2003; ISSP_2004; ISSP_2005; ISSP_2006; ISSP_2007; ISSP_2008; ISSP_2011; ISSP_2012; ISSP_2014; ISSP_2015; NORD_IALS_2003; WHS_2003;
Oman	CENSUS_1995; CENSUS_2000; DYB_2003;
Pakistan	DHS_1991; DHS_2007; DHS_2013; IPUMS_1973; IPUMS_1981; IPUMS_1998; PAKIAL_AND_LIVING_MEASUREMENT_SURVEY_2002; WB_CWIQ_2005; WFS_1975; WHO_WHS_2004;
Palestine	ARAB_BAROMETER_2014; DYB_1997; DYB_2007; IPUMS_2007; MICS_2010; MICS_2014;
Panama	IPUMS_1960; IPUMS_1970; IPUMS_1980; IPUMS_1990; IPUMS_2000; IPUMS_2010; LATINOBAROMETER_2001; LATINOBAROMETER_2002; LATINOBAROMETER_2003; LATINOBAROMETER_2004; LATINOBAROMETER_2005; LATINOBAROMETER_2006; LATINOBAROMETER_2007; LATINOBAROMETER_2008; LATINOBAROMETER_2009; LATINOBAROMETER_2010; LATINOBAROMETER_2011; LATINOBAROMETER_2013; LATINOBAROMETER_2015; LATINOBAROMETER_2016; LATINOBAROMETER_2017; MICS_2013; WFS_1975;

Papua New Guinea	CENSUS_1996; CENSUS_2000; CENSUS_2006; DHS_2007; IPUMS_1980; IPUMS_1990; IPUMS_2000; SURVEY_1997;
Paraguay	CDC_RHS_1996; CDC_RHS_1998; CDC_RHS_2004; DHS_1990; IPUMS_1962; IPUMS_1972; IPUMS_1982; IPUMS_1992; IPUMS_2002; LATINOBAROMETER_1998; LATINOBAROMETER_2000; LATINOBAROMETER_2001; LATINOBAROMETER_2002; LATINOBAROMETER_2003; LATINOBAROMETER_2004; LATINOBAROMETER_2005; LATINOBAROMETER_2006; LATINOBAROMETER_2007; LATINOBAROMETER_2008; LATINOBAROMETER_2009; LATINOBAROMETER_2010; LATINOBAROMETER_2011; LATINOBAROMETER_2013; LATINOBAROMETER_2015; LATINOBAROMETER_2016; LATINOBAROMETER_2017; MICS_2016; PRYMANENT_HH_SURVEY_EPH_2015; WFS_1979; WHS_2003;
Peru	DHS_1992; DHS_1996; DHS_2000; DHS_2008; DHS_2009; DHS_2010; DHS_2011; DHS_2012; DHS_2013; DHS_2014; IPUMS_1993; IPUMS_2007; LATINOBAROMETER_1998; LATINOBAROMETER_2000; LATINOBAROMETER_2001; LATINOBAROMETER_2002; LATINOBAROMETER_2003; LATINOBAROMETER_2004; LATINOBAROMETER_2005; LATINOBAROMETER_2006; LATINOBAROMETER_2007; LATINOBAROMETER_2009; LATINOBAROMETER_2010; LATINOBAROMETER_2011; LATINOBAROMETER_2013; LATINOBAROMETER_2015; LATINOBAROMETER_2016; LATINOBAROMETER_2017; WFS_1977;
Philippines	DHS_1998; DHS_2008; DHS_2013; DHS_2017; GLOBAL_ADULT_TOBACCO_SURVEY_2009; IPUMS_1990; IPUMS_1995; IPUMS_2000; IPUMS_2010; ISSP_1992; ISSP_1994; ISSP_1996; ISSP_1997; ISSP_1998; ISSP_1999; ISSP_2002; ISSP_2003; ISSP_2004; ISSP_2005; ISSP_2006; ISSP_2008; ISSP_2009; ISSP_2010; ISSP_2011; ISSP_2012; ISSP_2014; ISSP_2016; MICS_1999; PHLUAL_POVERTY_SURVEY_2004; WFS_1978; WHS_2003;
Poland	EUROBAROMETER_2002; EUROBAROMETER_2004; EUROBAROMETER_2005; EUROBAROMETER_2006; EUROBAROMETER_2007; EUROBAROMETER_2008; EUROBAROMETER_2009; EUROBAROMETER_2010; EUROBAROMETER_2011; EUROBAROMETER_2012; EUROBAROMETER_2013; EUROBAROMETER_2014; EUROBAROMETER_2015; EUROSTAT_1998; EUROSTAT_1999; EUROSTAT_2007; EUROSTAT_2008; EUROSTAT_2009; EUROSTAT_2010; EUROSTAT_2011; EUROSTAT_2012; EUROSTAT_2013; EUROSTAT_2014; EUROSTAT_2015; EUROSTAT_2016; GLOBAL_ADULT_TOBACCO_SURVEY_2010; IPUMS_1978; IPUMS_1988; IPUMS_2002; IPUMS_2011; ISSP_1992; ISSP_1994; ISSP_1996; ISSP_1997; ISSP_1999; ISSP_2002; ISSP_2003; ISSP_2005; ISSP_2008; ISSP_2010; ISSP_2013; ISSP_2015; MCSS_2001; POL_OECD_IALS_1998; SURVEY_ADULT_SKILLS_2012;
Portugal	EUROBAROMETER_1990; EUROBAROMETER_1992; EUROBAROMETER_1993; EUROBAROMETER_1994; EUROBAROMETER_1995; EUROBAROMETER_1996; EUROBAROMETER_1997; EUROBAROMETER_1998; EUROBAROMETER_1999; EUROBAROMETER_2000; EUROBAROMETER_2001; EUROBAROMETER_2002; EUROBAROMETER_2003; EUROBAROMETER_2004; EUROBAROMETER_2005; EUROBAROMETER_2006; EUROBAROMETER_2007; EUROBAROMETER_2008; EUROBAROMETER_2009; EUROBAROMETER_2010; EUROBAROMETER_2011; EUROBAROMETER_2012; EUROBAROMETER_2013; EUROBAROMETER_2014; EUROBAROMETER_2015; EUROSTAT_1998; EUROSTAT_2007; EUROSTAT_2008; EUROSTAT_2009; EUROSTAT_2010; EUROSTAT_2011; EUROSTAT_2012; EUROSTAT_2013; EUROSTAT_2014; EUROSTAT_2015; EUROSTAT_2016; IPUMS_1981; IPUMS_1991; IPUMS_2001; IPUMS_2011; ISSP_1997; ISSP_1999; ISSP_2002; ISSP_2003; ISSP_2004; ISSP_2007; ISSP_2009; ISSP_2013; ISSP_2015; WFS_1979; WHS_2003;
Puerto Rico	BRFSS_1996; BRFSS_1997; BRFSS_1998; BRFSS_1999; BRFSS_2000; BRFSS_2001; BRFSS_2002; BRFSS_2003; BRFSS_2004; BRFSS_2005; BRFSS_2006; BRFSS_2007; BRFSS_2008; BRFSS_2009; BRFSS_2010; BRFSS_2012; BRFSS_2013; BRFSS_2014; IPUMS_1970; IPUMS_1980; IPUMS_1990; IPUMS_2000; IPUMS_2005; IPUMS_2010; USASS_2015;
Qatar	CENSUS_1998; CENSUS_2007; CENSUS_2011; DYB_2004; DYB_2010;
Romania	EUROBAROMETER_2004; EUROBAROMETER_2005; EUROBAROMETER_2006; EUROBAROMETER_2007; EUROBAROMETER_2008; EUROBAROMETER_2009; EUROBAROMETER_2010; EUROBAROMETER_2011; EUROBAROMETER_2012; EUROBAROMETER_2013; EUROBAROMETER_2014; EUROBAROMETER_2015; EUROSTAT_1998; EUROSTAT_1999; EUROSTAT_2007; EUROSTAT_2008; EUROSTAT_2009; EUROSTAT_2010; EUROSTAT_2011; EUROSTAT_2012; EUROSTAT_2013; EUROSTAT_2014; EUROSTAT_2015; EUROSTAT_2016; IPUMS_1992; IPUMS_2002; IPUMS_2011; WB_LSMS_1995;
Russia	CENSUS_1959; CENSUS_2002; CENSUS_2010; ISSP_1992; ISSP_1994; ISSP_1996; ISSP_1997; ISSP_1998; ISSP_1999; ISSP_2002; ISSP_2003; ISSP_2005; ISSP_2006; ISSP_2007; ISSP_2009; ISSP_2010; ISSP_2011; ISSP_2012; ISSP_2014; ISSP_2015; MCSS_2001; SURVEY_ADULT_SKILLS_2012; WHS_2003;
Rwanda	DHS_1992; DHS_2000; DHS_2005; DHS_2011; DHS_2015; IPUMS_2002; IPUMS_2012; MACRO_MIS_2013; MACRO_MIS_2017; MICS_2000; WFS_1983;
Saint Lucia	CENSUS_1990; DYB_1991; DYB_2001; IPUMS_1980; IPUMS_1991;
Saint Vincent and the Grenadines	CENSUS_1980; CENSUS_1990;
Sao Tome and Principe	AFROBAROMETER SURVEY_2015; DHS_2009; MICS_2000; MICS_2014;

Saudi Arabia	CENSUS_1996; CENSUS_2001; CENSUS_2005; CENSUS_2007; DYB_2004;
Senegal	AFROBAROMETER SURVEY_2014; AFROBAROMETER_2008; AFROBAROMETER_2013; AFROBAROMETER_2017; DHS_1993; DHS_1999; DHS_2005; DHS_2011; DHS_2013; DHS_2014; DHS_2015; DHS_2016; DHS_2017; IPUMS_1988; IPUMS_2002; MACRO_MIS_2006; MACRO_MIS_2009; MICS_2000; WFS_1978;
Serbia	EUROBAROMETER_2012; EUROBAROMETER_2013; EUROBAROMETER_2014; EUROBAROMETER_2015; MICS_2010; MICS_2014; WB_LSMS_2003; WB_LSMS_2007;
Seychelles	CENSUS_2006; CENSUS_2010; DYB_1997; DYB_2010;
Sierra Leone	DHS_2008; DHS_2013; IPUMS_2004; MACRO_MIS_2016; MICS_2000; MICS_2005; MICS_2010; MICS_2017;
Singapore	CENSUS_2005; CENSUS_2010; DYB_2000; MCSS_2001;
Slovakia	EUROBAROMETER_2004; EUROBAROMETER_2005; EUROBAROMETER_2006; EUROBAROMETER_2007; EUROBAROMETER_2008; EUROBAROMETER_2009; EUROBAROMETER_2010; EUROBAROMETER_2011; EUROBAROMETER_2012; EUROBAROMETER_2013; EUROBAROMETER_2014; EUROBAROMETER_2015; EUROSTAT_1998; EUROSTAT_1999; EUROSTAT_2007; EUROSTAT_2008; EUROSTAT_2009; EUROSTAT_2010; EUROSTAT_2011; EUROSTAT_2012; EUROSTAT_2013; EUROSTAT_2014; EUROSTAT_2015; EUROSTAT_2016; ISSP_1996; ISSP_2000; ISSP_2001; ISSP_2002; ISSP_2004; ISSP_2005; ISSP_2008; ISSP_2009; ISSP_2012; ISSP_2013; ISSP_2014; ISSP_2016; SURVEY_ADULT_SKILLS_2012; WHS_2003;
Slovenia	EUROBAROMETER_2004; EUROBAROMETER_2005; EUROBAROMETER_2006; EUROBAROMETER_2007; EUROBAROMETER_2008; EUROBAROMETER_2009; EUROBAROMETER_2010; EUROBAROMETER_2011; EUROBAROMETER_2012; EUROBAROMETER_2013; EUROBAROMETER_2014; EUROBAROMETER_2015; EUROSTAT_1998; EUROSTAT_1999; EUROSTAT_2007; EUROSTAT_2008; EUROSTAT_2009; EUROSTAT_2010; EUROSTAT_2011; EUROSTAT_2012; EUROSTAT_2013; EUROSTAT_2014; EUROSTAT_2015; EUROSTAT_2016; IPUMS_2002; ISSP_1993; ISSP_1994; ISSP_1995; ISSP_1996; ISSP_1997; ISSP_1998; ISSP_2002; ISSP_2003; ISSP_2004; ISSP_2006; ISSP_2009; ISSP_2011; ISSP_2012; ISSP_2013; ISSP_2016;
Solomon Islands	CENSUS_2007; CENSUS_2009; CENSUS_2015;
Somalia	MICS_2006; MICS_2011;
South Korea	ISSP_2003; ISSP_2004; ISSP_2005; ISSP_2006; ISSP_2007; ISSP_2008; ISSP_2009; ISSP_2010; ISSP_2011; ISSP_2012; ISSP_2013; ISSP_2014; KOREAN_LONGITUDIL_STUDY_OF_AGEING_2006; KOREAN_LONGITUDIL_STUDY_OF_AGEING_2010; MCSS_2001; WFS_1974;
South Sudan	MICS_2010;
Spain	EUROBAROMETER_1990; EUROBAROMETER_1992; EUROBAROMETER_1993; EUROBAROMETER_1994; EUROBAROMETER_1995; EUROBAROMETER_1996; EUROBAROMETER_1997; EUROBAROMETER_1998; EUROBAROMETER_1999; EUROBAROMETER_2000; EUROBAROMETER_2001; EUROBAROMETER_2002; EUROBAROMETER_2003; EUROBAROMETER_2004; EUROBAROMETER_2005; EUROBAROMETER_2006; EUROBAROMETER_2007; EUROBAROMETER_2008; EUROBAROMETER_2009; EUROBAROMETER_2010; EUROBAROMETER_2011; EUROBAROMETER_2012; EUROBAROMETER_2013; EUROBAROMETER_2014; EUROBAROMETER_2015; EUROSTAT_1998; EUROSTAT_1999; EUROSTAT_2007; EUROSTAT_2008; EUROSTAT_2009; EUROSTAT_2010; EUROSTAT_2011; EUROSTAT_2012; EUROSTAT_2013; EUROSTAT_2014; EUROSTAT_2015; EUROSTAT_2016; HH_SURVEY_ALCOHOL_DRUGS_EDADES_2006; HH_SURVEY_ALCOHOL_DRUGS_EDADES_2008; IPUMS_1991; IPUMS_2001; IPUMS_2012; ISSP_1994; ISSP_1996; ISSP_1997; ISSP_1998; ISSP_1999; ISSP_2002; ISSP_2003; ISSP_2004; ISSP_2005; ISSP_2007; ISSP_2008; ISSP_2009; ISSP_2010; ISSP_2012; ISSP_2014; ISSP_2016; MCSS_2001; WHO_WHS_2003;
Sri Lanka	CENSUS_2006; DYB_2001; WB_STEP_HH_SURVEY_2012; WFS_1975; WHO_WHS_2003;
Sudan	ARAB_LEAGUE_PAPCHILD_1993; DHS_1990; MICS_2000; MICS_2010; MICS_2014; WFS_1978;
Suriname	MICS_2000; MICS_2010;
Swaziland	AFROBAROMETER SURVEY_2015; AFROBAROMETER_2013; AFROBAROMETER_2018; CENSUS_2007; DHS_2007; MICS_2000; MICS_2010; MICS_2014; WHS_2003;
Sweden	CENSUS_1985; CENSUS_1986; CENSUS_1987; CENSUS_1988; CENSUS_1989; CENSUS_1990; CENSUS_1991; CENSUS_1992; CENSUS_1993; CENSUS_1994; CENSUS_1995; CENSUS_1996; CENSUS_1997; CENSUS_1998; CENSUS_1999; CENSUS_2000; CENSUS_2001; CENSUS_2002; CENSUS_2003; CENSUS_2004; CENSUS_2005; CENSUS_2006; CENSUS_2007; CENSUS_2008; CENSUS_2009; CENSUS_2010; CENSUS_2011; CENSUS_2012; CENSUS_2013; CENSUS_2014; CENSUS_2015; EUROBAROMETER_1995; EUROBAROMETER_1996; EUROBAROMETER_1997; EUROBAROMETER_1998; EUROBAROMETER_1999; EUROBAROMETER_2000; EUROBAROMETER_2001; EUROBAROMETER_2002; EUROBAROMETER_2003; EUROBAROMETER_2004; EUROBAROMETER_2005; EUROBAROMETER_2006; EUROBAROMETER_2007; EUROBAROMETER_2008;

	EUROBAROMETER_2009; EUROBAROMETER_2010; EUROBAROMETER_2011; EUROBAROMETER_2012; EUROBAROMETER_2013; EUROBAROMETER_2014; EUROBAROMETER_2015; EUROSTAT_1998; EUROSTAT_1999; EUROSTAT_2007; EUROSTAT_2008; EUROSTAT_2009; EUROSTAT_2010; EUROSTAT_2011; EUROSTAT_2012; EUROSTAT_2013; EUROSTAT_2014; EUROSTAT_2015; EUROSTAT_2016; ISSP_1994; ISSP_1996; ISSP_1997; ISSP_1998; ISSP_1999; ISSP_2002; ISSP_2003; ISSP_2004; ISSP_2006; ISSP_2007; ISSP_2008; ISSP_2009; ISSP_2010; ISSP_2011; ISSP_2012; ISSP_2013; ISSP_2014; ISSP_2017; MCSS_2001; SWEITOR_SURVEY_2010; SWEITOR_SURVEY_2012; WHS_2003;
Switzerland	CHED_IALS_2003; EUROBAROMETER_2005; EUROBAROMETER_2010; EUROSTAT_1998; EUROSTAT_1999; EUROSTAT_2007; EUROSTAT_2008; EUROSTAT_2009; EUROSTAT_2010; EUROSTAT_2011; EUROSTAT_2012; EUROSTAT_2013; EUROSTAT_2014; EUROSTAT_2015; EUROSTAT_2016; IPUMS_1970; IPUMS_1980; IPUMS_1990; IPUMS_2000; ISSP_1998; ISSP_1999; ISSP_2002; ISSP_2003; ISSP_2005; ISSP_2007; ISSP_2009; ISSP_2011; ISSP_2013; ISSP_2015; MCSS_2001;
Syria	ARAB_LEAGUE_PAPCHILD_1993; MICS_2006; WFS_1978;
Taiwan	ISSP_2002; ISSP_2003; ISSP_2004; ISSP_2005; ISSP_2006; ISSP_2007; ISSP_2009; ISSP_2010; ISSP_2012; ISSP_2013; ISSP_2014; ISSP_2015; TWNOR_FORCE_SURVEY_1978;
Tajikistan	DHS_2012; DHS_2017; DYB_1989; DYB_2000; DYB_2010; MICS_2000; MICS_2005; WB_LSMS_1999; WB_LSMS_2003; WB_LSMS_2007; WB_LSMS_2009;
Tanzania	AFROBAROMETER SURVEY_2014; AFROBAROMETER_2005; AFROBAROMETER_2012; AFROBAROMETER_2017; DHS_1996; DHS_1999; DHS_2005; DHS_2010; DHS_2016; IPUMS_1988; IPUMS_2002; IPUMS_2012; MACRO_AIS_2004; MACRO_AIS_2008; MACRO_AIS_2012; MACRO_KAP_1994;
Thailand	DHS_1987; IPUMS_1970; IPUMS_1980; IPUMS_1990; IPUMS_2000; MICS_2006; MICS_2012; MICS_2016; WFS_1975;
The Bahamas	CENSUS_1990; CENSUS_2000; DYB_1990; DYB_2010;
The Gambia	CENSUS_2013; DHS_2013; DYB_1993; MICS_2000; MICS_2010;
Timor-Leste	CENSUS_2003; CENSUS_2009; DHS_2003; DHS_2010; DHS_2016; WB_LSMS_2008;
Togo	AFROBAROMETER_2012; DHS_1998; DHS_2014; MACRO_MIS_2017; MICS_2000; MICS_2006; MICS_2010;
Tonga	CENSUS_1976; DYB_1986; DYB_1996; DYB_2006;
Trinidad and Tobago	CENSUS_1990; DYB_1990; DYB_2011; IPUMS_2000; IPUMS_2011; MICS_2000; MICS_2006; MICS_2011; TIOL_SURVEY_PRIMARY_SCHOOL_CHILDREN_2004; SURVEY_2011; TTO_TIOL_SURVEY_FOR_DIABETES_AND_HEALTH_2001; WFS_1977;
Tunisia	AFROBAROMETER SURVEY_2015; AFROBAROMETER_2013; AFROBAROMETER_2018; ARAB_BAROMETER_2014; CENSUS_2000; DYB_1994; MICS_2012; WFS_1978; WHS_2003;
Turkey	DHS_1993; DHS_1998; DHS_2004; EUROBAROMETER_2004; EUROBAROMETER_2005; EUROBAROMETER_2006; EUROBAROMETER_2007; EUROBAROMETER_2008; EUROBAROMETER_2009; EUROBAROMETER_2010; EUROBAROMETER_2011; EUROBAROMETER_2012; EUROBAROMETER_2013; EUROBAROMETER_2014; EUROBAROMETER_2015; IPUMS_2000; ISSP_2009; ISSP_2010; ISSP_2012; ISSP_2013; ISSP_2014; ISSP_2015; TUROGRAPHIC_HEALTH_SURVEY_2008; WFS_1978; WHS_2003;
Turkmenistan	CENSUS_2000; MICS_2006; MICS_2016;
Uganda	AFROBAROMETER SURVEY_2015; AFROBAROMETER_2012; AFROBAROMETER_2017; DHS_1995; DHS_2001; DHS_2006; DHS_2011; DHS_2016; IPUMS_1991; IPUMS_2002; MACRO_AIS_2005; MACRO_AIS_2011; MACRO_MIS_2015; WB_LSMS_2010;
Ukraine	CENSUS_2001; DHS_2007; GLOBAL_ADULT_TOBACCO_SURVEY_2010; HEALTH_IN_TIMES_OF_TRANSITION_HITT_CIS_2010; IPUMS_2001; ISSP_2008; ISSP_2009; MCSS_2001; MICS_2005; MICS_2012; UKRAINIAN_LONGITUDIL_MONITORING_SURVEY_2004; WB_STEP_HH_SURVEY_2013; WHS_2003;
United Arab Emirates	CENSUS_1995; CENSUS_2005; WHO_WHS_2003;
United Kingdom	CENSUS_2011; EUROBAROMETER_1990; EUROBAROMETER_1992; EUROBAROMETER_1993; EUROBAROMETER_1994; EUROBAROMETER_1995; EUROBAROMETER_1996; EUROBAROMETER_1997; EUROBAROMETER_1998; EUROBAROMETER_1999; EUROBAROMETER_2000; EUROBAROMETER_2001; EUROBAROMETER_2002; EUROBAROMETER_2003; EUROBAROMETER_2004; EUROBAROMETER_2005; EUROBAROMETER_2006; EUROBAROMETER_2007; EUROBAROMETER_2008; EUROBAROMETER_2009; EUROBAROMETER_2010; EUROBAROMETER_2011; EUROBAROMETER_2012; EUROBAROMETER_2013; EUROBAROMETER_2014; EUROBAROMETER_2015; EUROSTAT_1999; EUROSTAT_2007; EUROSTAT_2008; EUROSTAT_2009; EUROSTAT_2010; EUROSTAT_2011; EUROSTAT_2012; EUROSTAT_2013; EUROSTAT_2014; EUROSTAT_2015; EUROSTAT_2016; MCSS_2001; SURVEY_ADULT_SKILLS_2012; UKGHS_1972; UKGHS_1973; UKGHS_1974; UKGHS_1975; UKGHS_1976; UKGHS_1977; UKGHS_1978; UKGHS_1980; UKGHS_1981; UKGHS_1982; UKGHS_1983; UKGHS_1984; UKGHS_1985; UKGHS_1986;

United States	BRFSS_1984; BRFSS_1985; BRFSS_1986; BRFSS_1987; BRFSS_1988; BRFSS_1989; BRFSS_1990; BRFSS_1991; BRFSS_1992; BRFSS_1993; BRFSS_1994; BRFSS_1995; BRFSS_1996; BRFSS_1997; BRFSS_1998; BRFSS_1999; BRFSS_2000; BRFSS_2001; BRFSS_2002; BRFSS_2003; BRFSS_2004; BRFSS_2005; BRFSS_2006; BRFSS_2007; BRFSS_2008; BRFSS_2009; BRFSS_2010; BRFSS_2012; BRFSS_2013; BRFSS_2014; IPUMS_1960; IPUMS_1970; IPUMS_1980; IPUMS_1990; IPUMS_2000; IPUMS_2005; IPUMS_2010; IPUMS_2015; ISSP_1989; ISSP_1994; ISSP_1996; ISSP_1998; ISSP_2000; ISSP_2002; ISSP_2004; ISSP_2005; ISSP_2006; ISSP_2008; ISSP_2010; ISSP_2012; ISSP_2014; ISSP_2016; MCSS_2001; USAIOL_COMORBIDITY_SURVEY_1992; USALABORATIVE_PSYCHIATRIC_EPIDEMIOLOGY_SURVEYS_2003; USASS_2015;
Uruguay	CONTINUOUS_HOUSEHOLD_SURVEY_2015; IPUMS_1963; IPUMS_1975; IPUMS_1985; IPUMS_1996; IPUMS_2006; IPUMS_2011; ISSP_2004; ISSP_2006; ISSP_2008; LATINOBAROMETER_1998; LATINOBAROMETER_2000; LATINOBAROMETER_2001; LATINOBAROMETER_2002; LATINOBAROMETER_2003; LATINOBAROMETER_2004; LATINOBAROMETER_2005; LATINOBAROMETER_2006; LATINOBAROMETER_2007; LATINOBAROMETER_2008; LATINOBAROMETER_2009; LATINOBAROMETER_2011; LATINOBAROMETER_2013; LATINOBAROMETER_2015; LATINOBAROMETER_2016; LATINOBAROMETER_2017; MICS_2013; WHS_2003;
Uzbekistan	DHS_1996; DHS_2002; MICS_2000; MICS_2006;
Venezuela	IPUMS_1971; IPUMS_1981; IPUMS_1990; IPUMS_2001; ISSP_2003; ISSP_2008; ISSP_2010; ISSP_2013; ISSP_2015; LATINOBAROMETER_1998; LATINOBAROMETER_2000; LATINOBAROMETER_2001; LATINOBAROMETER_2002; LATINOBAROMETER_2003; LATINOBAROMETER_2004; LATINOBAROMETER_2005; LATINOBAROMETER_2006; LATINOBAROMETER_2007; LATINOBAROMETER_2008; LATINOBAROMETER_2009; LATINOBAROMETER_2011; LATINOBAROMETER_2013; LATINOBAROMETER_2015; LATINOBAROMETER_2016; LATINOBAROMETER_2017; MCSS_2001; MICS_2000; WFS_1977;
Vietnam	DHS_1997; DHS_2002; IPUMS_1989; IPUMS_1999; MACRO_AIS_2005; MICS_2000; MICS_2006; MICS_2011; MICS_2014; WB_LSMS_2002; WHS_2003;
Virgin Islands, U.S.	BRFSS_2001; BRFSS_2002; BRFSS_2003; BRFSS_2004; BRFSS_2005; BRFSS_2006; BRFSS_2007; BRFSS_2008; BRFSS_2009; BRFSS_2010;

Supplement Table 2. Country Specific Data Sources by Year and Data Provider

All country-years of data are listed by data provider.

Location Name	Region Name	Location Gold Standard	Region Gold Standard
Afghanistan	North Africa and Middle East	DHS	DHS
Albania	Central Europe	DHS	IPUMS
Algeria	North Africa and Middle East	MICS	DHS
American Samoa	Oceania	NONE	NONE
Andorra	Western Europe	NONE	NONE
Angola	Central Sub-Saharan Africa	DHS	DHS
Antigua and Barbuda	Caribbean	NONE	IPUMS
Argentina	Southern Latin America	IPUMS	IPUMS
Armenia	Central Asia	DHS	DHS
Australia	Australasia	CENSUS	NONE
Austria	Western Europe	IPUMS	IPUMS
Azerbaijan	Central Asia	DHS	DHS
Bahrain	North Africa and Middle East	CENSUS	DHS
Bangladesh	South Asia	DHS	DHS
Barbados	Caribbean	NONE	IPUMS
Belarus	Eastern Europe	IPUMS	IPUMS
Belgium	Western Europe	NONE	IPUMS
Belize	Caribbean	NONE	IPUMS

Benin	Western Sub-Saharan Africa	IPUMS	DHS
Bermuda	Caribbean	NONE	IPUMS
Bhutan	South Asia	MICS	DHS
Bolivia	Andean Latin America	DHS	DHS
Bosnia and Herzegovina	Central Europe	MICS	IPUMS
Botswana	Southern Sub-Saharan Africa	IPUMS	DHS
Brazil	Tropical Latin America	IPUMS	IPUMS
Brunei	High-income Asia Pacific	CENSUS	NONE
Bulgaria	Central Europe	NONE	IPUMS
Burkina Faso	Western Sub-Saharan Africa	IPUMS	DHS
Burundi	Eastern Sub-Saharan Africa	DHS	DHS
Cambodia	Southeast Asia	DHS	DHS
Cameroon	Western Sub-Saharan Africa	DHS	DHS
Canada	High-income North America	IPUMS	IPUMS
Cape Verde	Western Sub-Saharan Africa	DHS	DHS
Central African Republic	Central Sub-Saharan Africa	DHS	DHS
Chad	Western Sub-Saharan Africa	DHS	DHS
Chile	Southern Latin America	IPUMS	IPUMS
China	East Asia	IPUMS	IPUMS
Colombia	Central Latin America	IPUMS	IPUMS
Comoros	Eastern Sub-Saharan Africa	DHS	DHS
Congo	Central Sub-Saharan Africa	DHS	DHS
Costa Rica	Central Latin America	IPUMS	IPUMS
Cote d'Ivoire	Western Sub-Saharan Africa	DHS	DHS
Croatia	Central Europe	NONE	IPUMS
Cuba	Caribbean	IPUMS	IPUMS
Cyprus	Western Europe	NONE	IPUMS
Czech Republic	Central Europe	NONE	IPUMS
Democratic Republic of the Congo	Central Sub-Saharan Africa	DHS	DHS
Denmark	Western Europe	NONE	IPUMS
Djibouti	Eastern Sub-Saharan Africa	MICS	DHS
Dominica	Caribbean	NONE	IPUMS
Dominican Republic	Caribbean	IPUMS	IPUMS
Ecuador	Andean Latin America	IPUMS	DHS
Egypt	North Africa and Middle East	DHS	DHS
El Salvador	Central Latin America	IPUMS	IPUMS
Equatorial Guinea	Central Sub-Saharan Africa	MICS	DHS
Eritrea	Eastern Sub-Saharan Africa	DHS	DHS
Estonia	Eastern Europe	NONE	IPUMS
Ethiopia	Eastern Sub-Saharan Africa	DHS	DHS
Federated States of Micronesia	Oceania	CENSUS	IPUMS
Fiji	Oceania	IPUMS	IPUMS

Finland	Western Europe	NONE	IPUMS
France	Western Europe	IPUMS	IPUMS
Gabon	Central Sub-Saharan Africa	DHS	DHS
Georgia	Central Asia	NONE	DHS
Germany	Western Europe	NONE	IPUMS
Ghana	Western Sub-Saharan Africa	DHS	DHS
Greece	Western Europe	IPUMS	IPUMS
Greenland	High-income North America	NONE	IPUMS
Grenada	Caribbean	NONE	IPUMS
Guam	Oceania	NONE	NONE
Guatemala	Central Latin America	DHS	IPUMS
Guinea	Western Sub-Saharan Africa	DHS	DHS
Guinea-Bissau	Western Sub-Saharan Africa	MICS	DHS
Guyana	Caribbean	DHS	IPUMS
Haiti	Caribbean	DHS	IPUMS
Honduras	Central Latin America	IPUMS	IPUMS
Hungary	Central Europe	IPUMS	IPUMS
Iceland	Western Europe	NONE	IPUMS
India	South Asia	DHS	DHS
Indonesia	Southeast Asia	DHS	DHS
Iran	North Africa and Middle East	IPUMS	DHS
Iraq	North Africa and Middle East	IPUMS	DHS
Ireland	Western Europe	IPUMS	IPUMS
Israel	Western Europe	IPUMS	IPUMS
Italy	Western Europe	IPUMS	IPUMS
Jamaica	Caribbean	IPUMS	IPUMS
Japan	High-income Asia Pacific	NONE	NONE
Jordan	North Africa and Middle East	DHS	DHS
Kazakhstan	Central Asia	DHS	DHS
Kenya	Eastern Sub-Saharan Africa	DHS	DHS
Kiribati	Oceania	CENSUS	IPUMS
Kuwait	North Africa and Middle East	NONE	DHS
Kyrgyzstan	Central Asia	DHS	DHS
Laos	Southeast Asia	CENSUS	DHS
Latvia	Eastern Europe	CENSUS	IPUMS
Lebanon	North Africa and Middle East	NONE	DHS
Lesotho	Southern Sub-Saharan Africa	DHS	DHS
Liberia	Western Sub-Saharan Africa	IPUMS	DHS
Libya	North Africa and Middle East	NONE	DHS
Lithuania	Eastern Europe	NONE	IPUMS
Luxembourg	Western Europe	NONE	IPUMS
Macedonia	Central Europe	NONE	IPUMS

Madagascar	Eastern Sub-Saharan Africa	DHS	DHS
Malawi	Eastern Sub-Saharan Africa	DHS	DHS
Malaysia	Southeast Asia	IPUMS	DHS
Maldives	Southeast Asia	DHS	DHS
Mali	Western Sub-Saharan Africa	DHS	DHS
Malta	Western Europe	NONE	IPUMS
Marshall Islands	Oceania	NONE	NONE
Mauritania	Western Sub-Saharan Africa	MICS	DHS
Mauritius	Southeast Asia	CENSUS	DHS
Mauritius	Southeast Asia	NONE	DHS
Mexico	Central Latin America	IPUMS	IPUMS
Moldova	Eastern Europe	DHS	IPUMS
Mongolia	Central Asia	IPUMS	DHS
Montenegro	Central Europe	NONE	IPUMS
Morocco	North Africa and Middle East	DHS	DHS
Mozambique	Eastern Sub-Saharan Africa	DHS	DHS
Myanmar	Southeast Asia	DHS	DHS
Namibia	Southern Sub-Saharan Africa	DHS	DHS
Nepal	South Asia	DHS	DHS
Netherlands	Western Europe	IPUMS	IPUMS
New Zealand	Australasia	CENSUS	NONE
Nicaragua	Central Latin America	IPUMS	IPUMS
Niger	Western Sub-Saharan Africa	DHS	DHS
Nigeria	Western Sub-Saharan Africa	DHS	DHS
North Korea	East Asia	NONE	IPUMS
Northern Mariana Islands	Oceania	NONE	NONE
Norway	Western Europe	NONE	IPUMS
Oman	North Africa and Middle East	CENSUS	DHS
Pakistan	South Asia	DHS	DHS
Palestine	North Africa and Middle East	IPUMS	DHS
Panama	Central Latin America	IPUMS	IPUMS
Papua New Guinea	Oceania	IPUMS	IPUMS
Paraguay	Tropical Latin America	IPUMS	IPUMS
Peru	Andean Latin America	DHS	DHS
Philippines	Southeast Asia	DHS	DHS
Poland	Central Europe	IPUMS	IPUMS
Portugal	Western Europe	IPUMS	IPUMS
Puerto Rico	Caribbean	IPUMS	IPUMS
Qatar	North Africa and Middle East	NONE	DHS
Romania	Central Europe	IPUMS	IPUMS
Russia	Eastern Europe	CENSUS	IPUMS
Rwanda	Eastern Sub-Saharan Africa	DHS	DHS

Saint Lucia	Caribbean	IPUMS	IPUMS
Saint Vincent and the Grenadines	Caribbean	NONE	IPUMS
Samoa	Oceania	NONE	NONE
Sao Tome and Principe	Western Sub-Saharan Africa	DHS	DHS
Saudi Arabia	North Africa and Middle East	NONE	DHS
Senegal	Western Sub-Saharan Africa	DHS	DHS
Serbia	Central Europe	NONE	IPUMS
Seychelles	Southeast Asia	CENSUS	DHS
Sierra Leone	Western Sub-Saharan Africa	DHS	DHS
Singapore	High-income Asia Pacific	NONE	NONE
Slovakia	Central Europe	NONE	IPUMS
Slovenia	Central Europe	IPUMS	IPUMS
Solomon Islands	Oceania	NONE	IPUMS
Somalia	Eastern Sub-Saharan Africa	MICS	DHS
South Africa	Southern Sub-Saharan Africa	DHS	DHS
South Korea	High-income Asia Pacific	NONE	NONE
South Sudan	Eastern Sub-Saharan Africa	NONE	DHS
Spain	Western Europe	IPUMS	IPUMS
Sri Lanka	Southeast Asia	CENSUS	DHS
Sudan	North Africa and Middle East	NONE	DHS
Suriname	Caribbean	MICS	IPUMS
Swaziland	Southern Sub-Saharan Africa	DHS	DHS
Sweden	Western Europe	CENSUS	IPUMS
Switzerland	Western Europe	IPUMS	IPUMS
Syria	North Africa and Middle East	MICS	DHS
Taiwan	East Asia	NONE	IPUMS
Tajikistan	Central Asia	DHS	DHS
Tanzania	Eastern Sub-Saharan Africa	DHS	DHS
Thailand	Southeast Asia	DHS	DHS
The Bahamas	Caribbean	CENSUS	IPUMS
The Gambia	Western Sub-Saharan Africa	DHS	DHS
Timor-Leste	Southeast Asia	DHS	DHS
Togo	Western Sub-Saharan Africa	DHS	DHS
Tonga	Oceania	NONE	IPUMS
Trinidad and Tobago	Caribbean	IPUMS	IPUMS
Tunisia	North Africa and Middle East	CENSUS	DHS
Turkey	North Africa and Middle East	DHS	DHS
Turkmenistan	Central Asia	CENSUS	DHS
Uganda	Eastern Sub-Saharan Africa	DHS	DHS
Ukraine	Eastern Europe	DHS	IPUMS
United Arab Emirates	North Africa and Middle East	NONE	DHS
United Kingdom	Western Europe	CENSUS	IPUMS

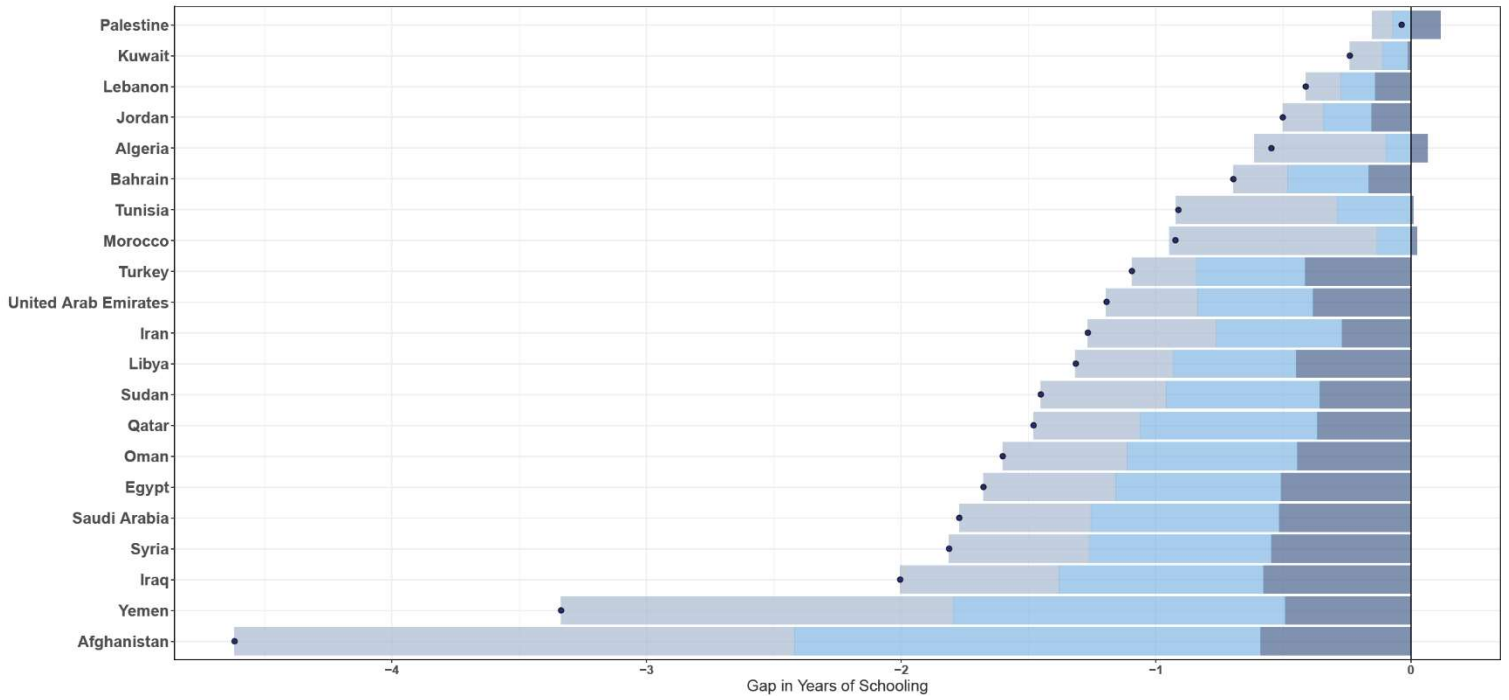
United States	High-income North America	IPUMS	IPUMS
Uruguay	Southern Latin America	CENSUS	IPUMS
Uzbekistan	Central Asia	DHS	DHS
Vanuatu	Oceania	NONE	IPUMS
Venezuela	Central Latin America	IPUMS	IPUMS
Vietnam	Southeast Asia	DHS	DHS
Virgin Islands, U.S.	Caribbean	NONE	IPUMS
Yemen	North Africa and Middle East	DHS	DHS
Zambia	Eastern Sub-Saharan Africa	DHS	DHS
Zimbabwe	Southern Sub-Saharan Africa	DHS	DHS

Supplement Table 3. Country- and Region-Specific Gold Standard Data Providers

The data providers considered to be the “gold standard” for each country and region are shown for all countries included in the study.

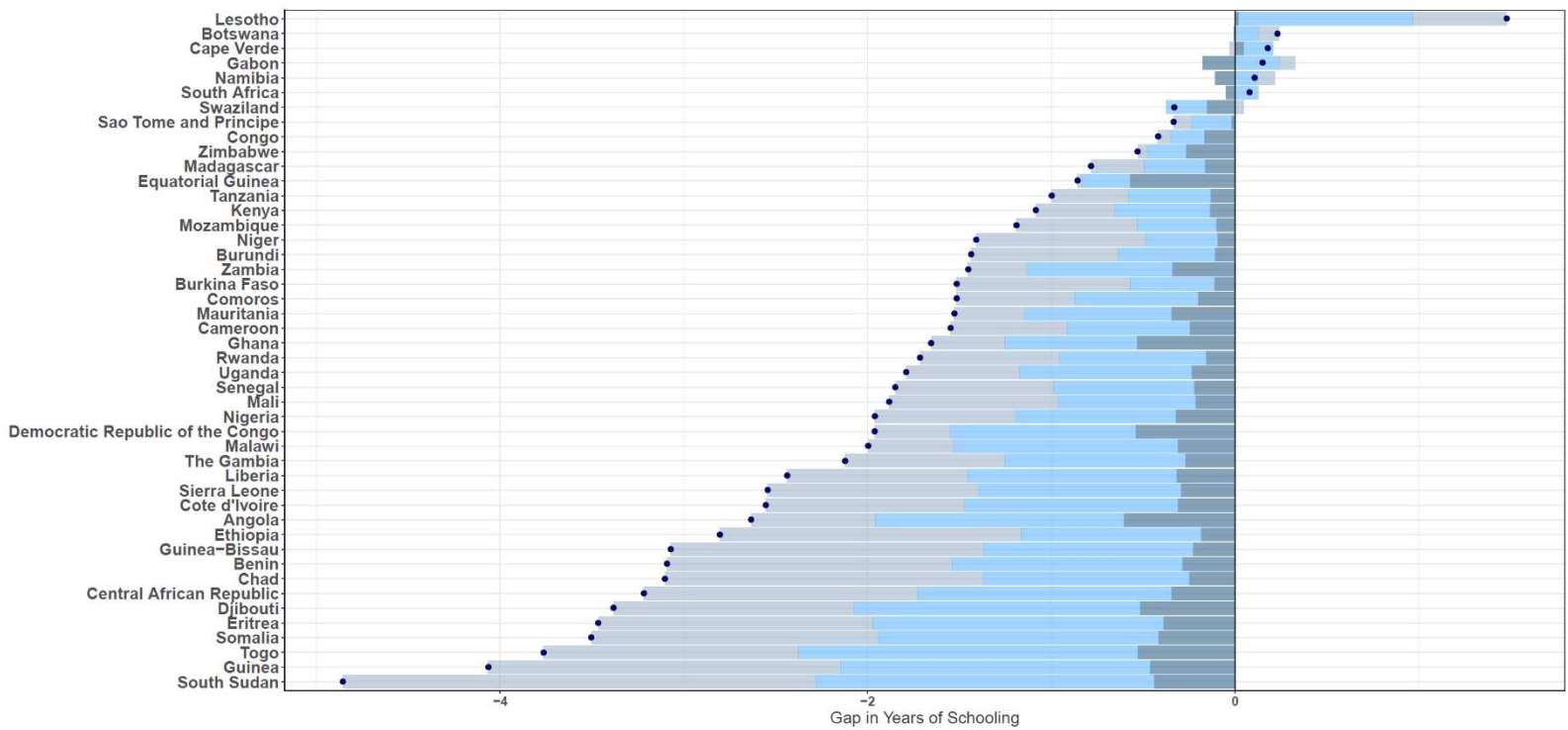
North Africa and Middle East 2018

Primary Secondary Tertiary

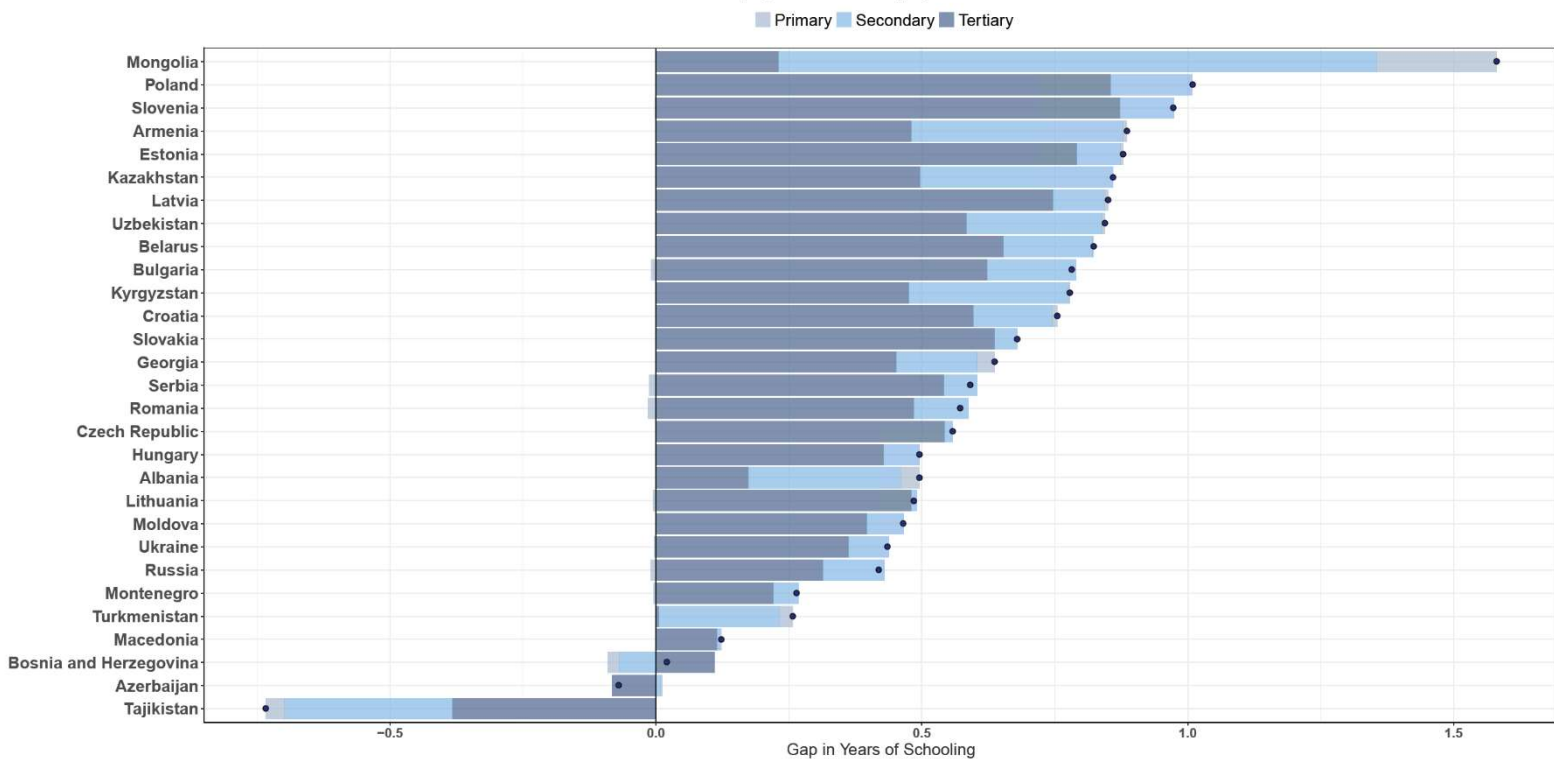


Sub-Saharan Africa 2018

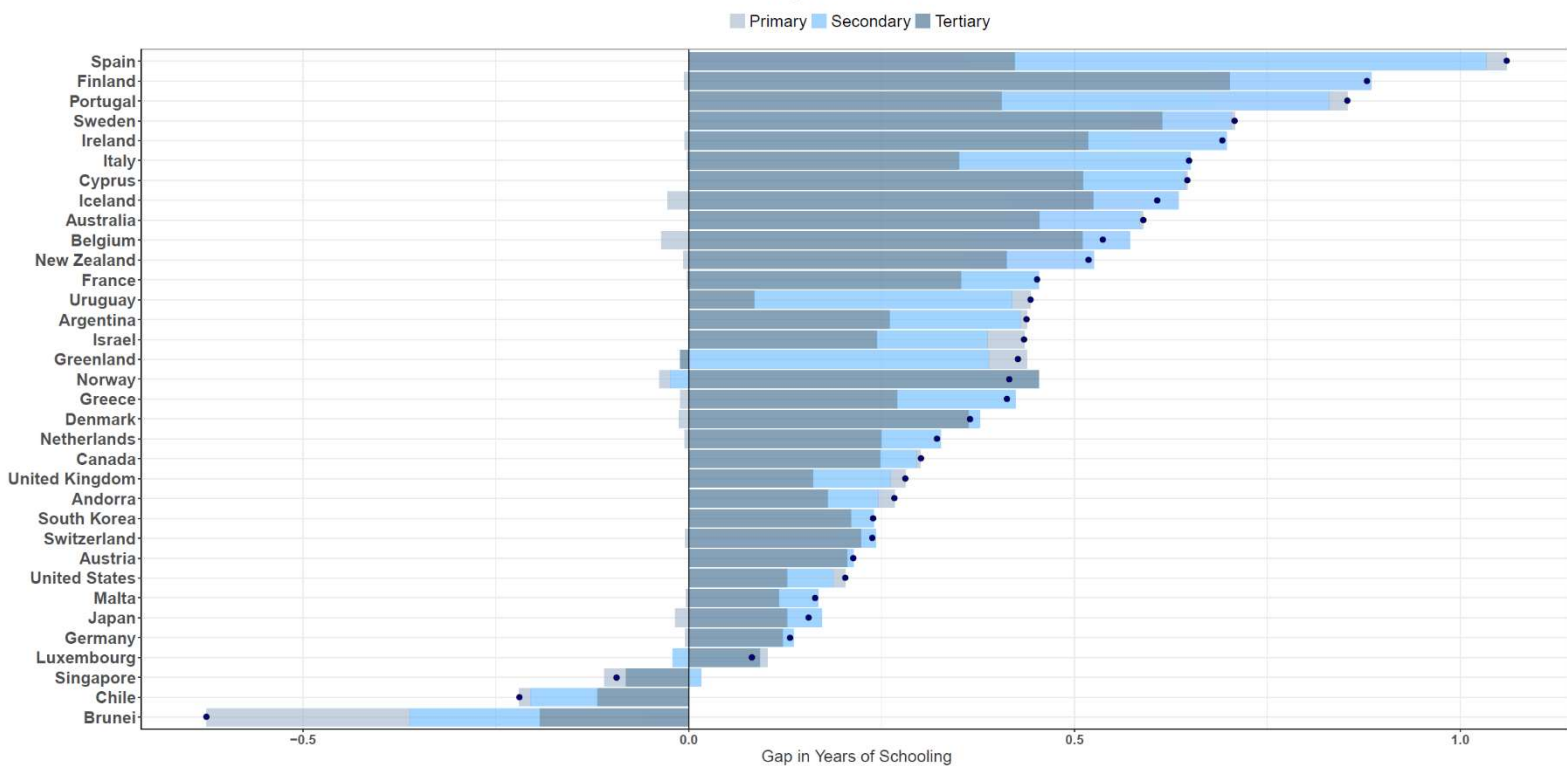
Primary Secondary Tertiary



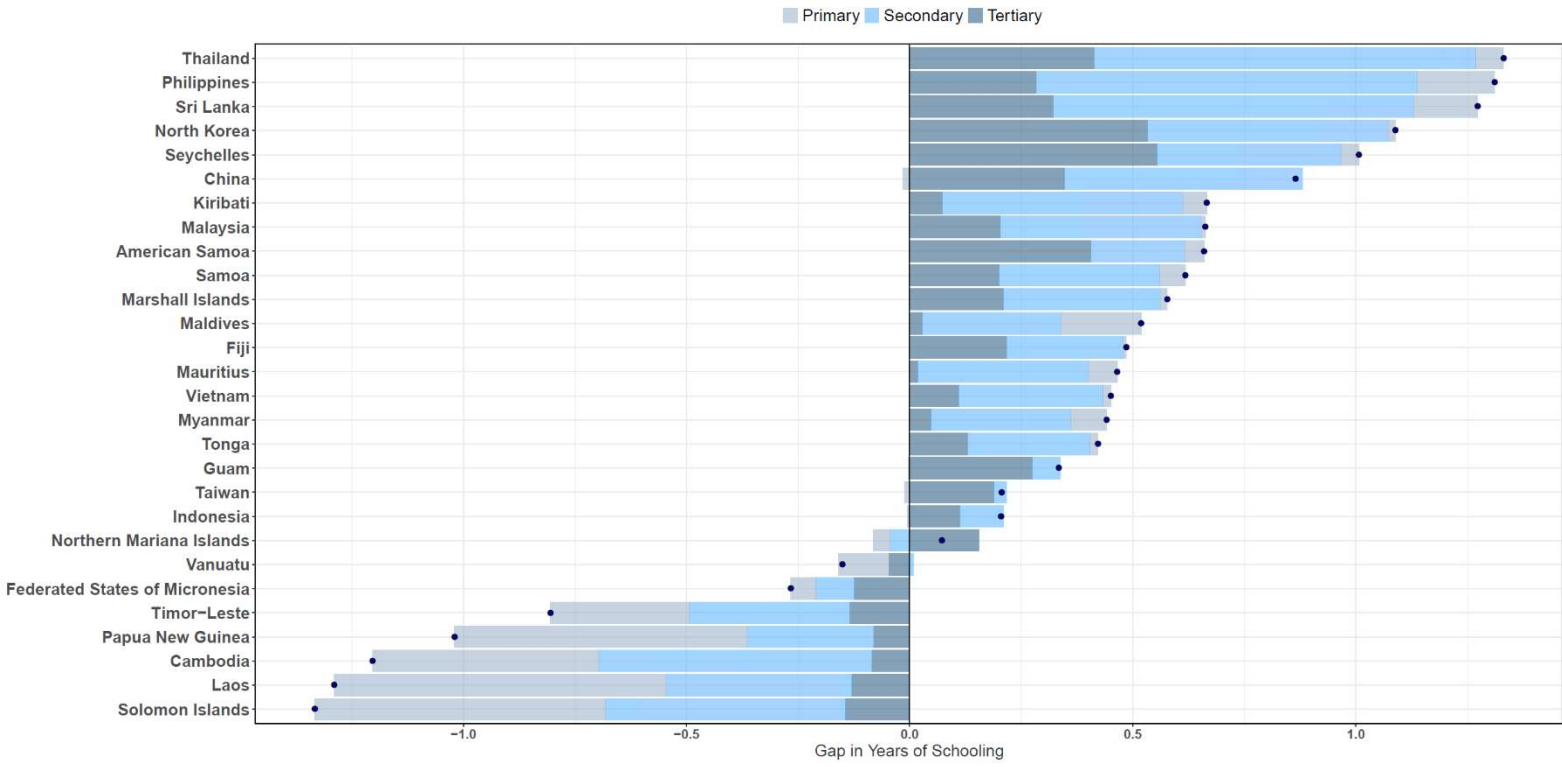
Central Europe, Eastern Europe, and Central Asia 2018



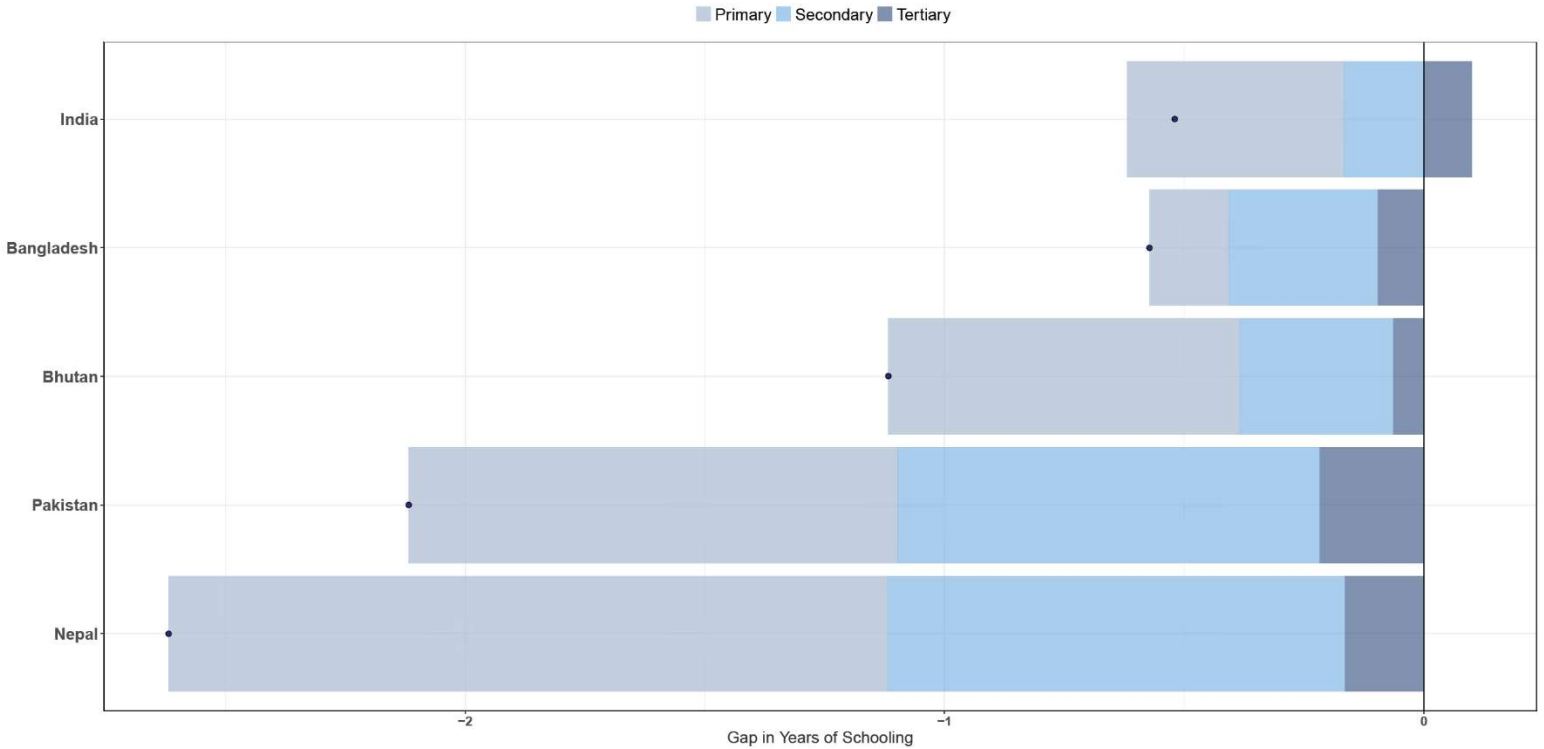
High-income 2018



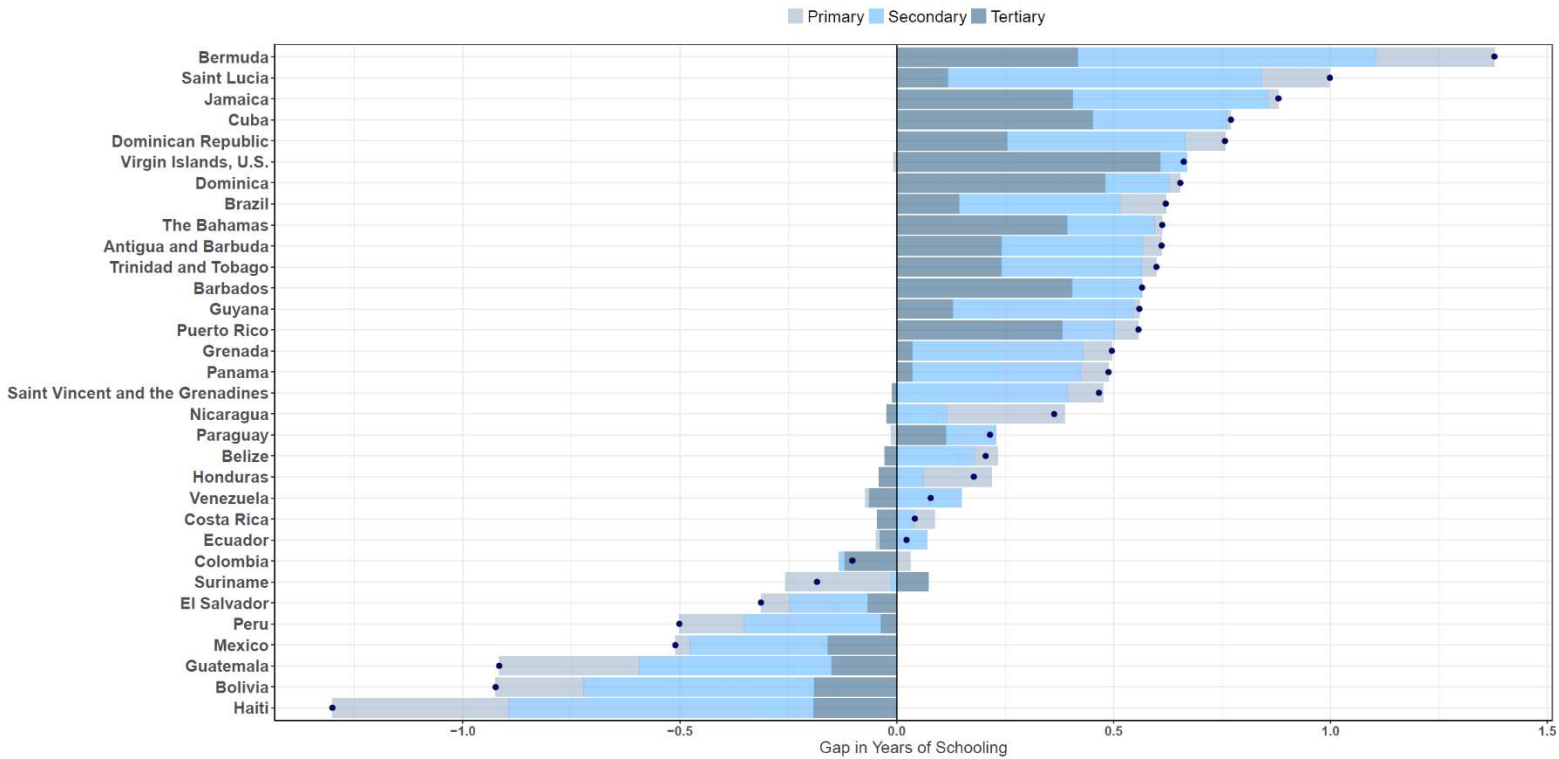
Southeast Asia, East Asia, and Oceania 2018



South Asia 2018



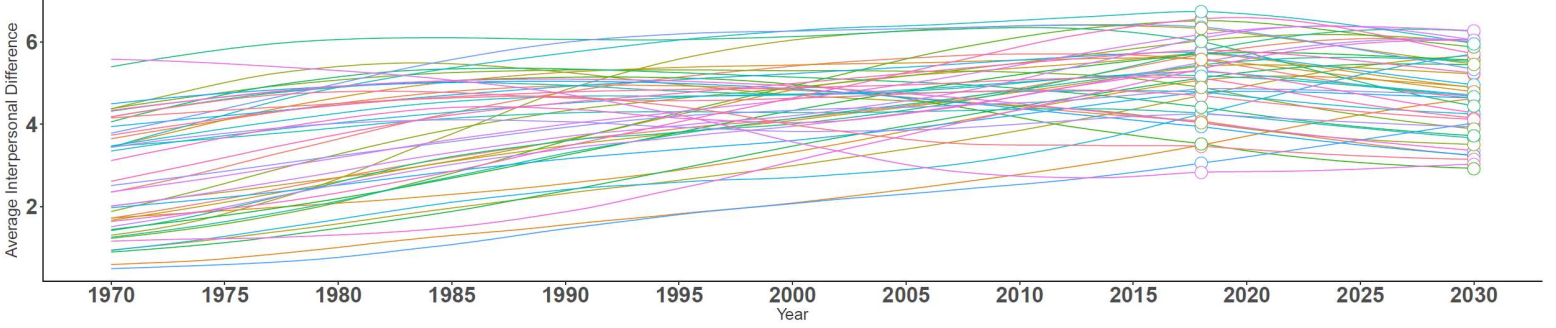
Latin America and Caribbean 2018



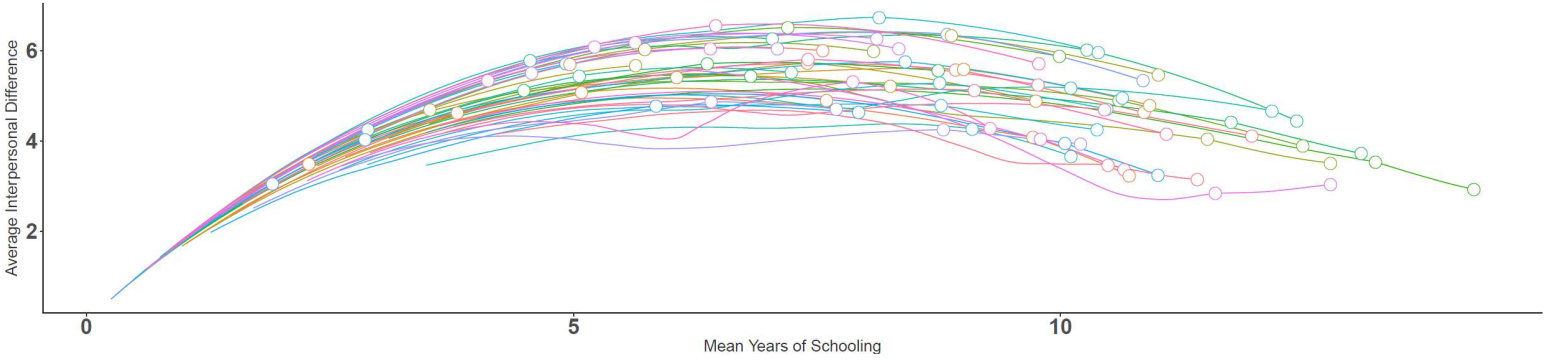
Supplemental Figure 14. Country Specific Gender Gaps in Years of Schooling

The gender gap in years of schooling is represented with a black dot, for individuals age 25-29 in 2018 at the national level, separate by regional group. A positive number indicates additional schooling for women relative to their male counterparts. Grey, light blue, and dark blue bars represent the contributions of primary, secondary, and tertiary schooling respectively to the total gender gap.

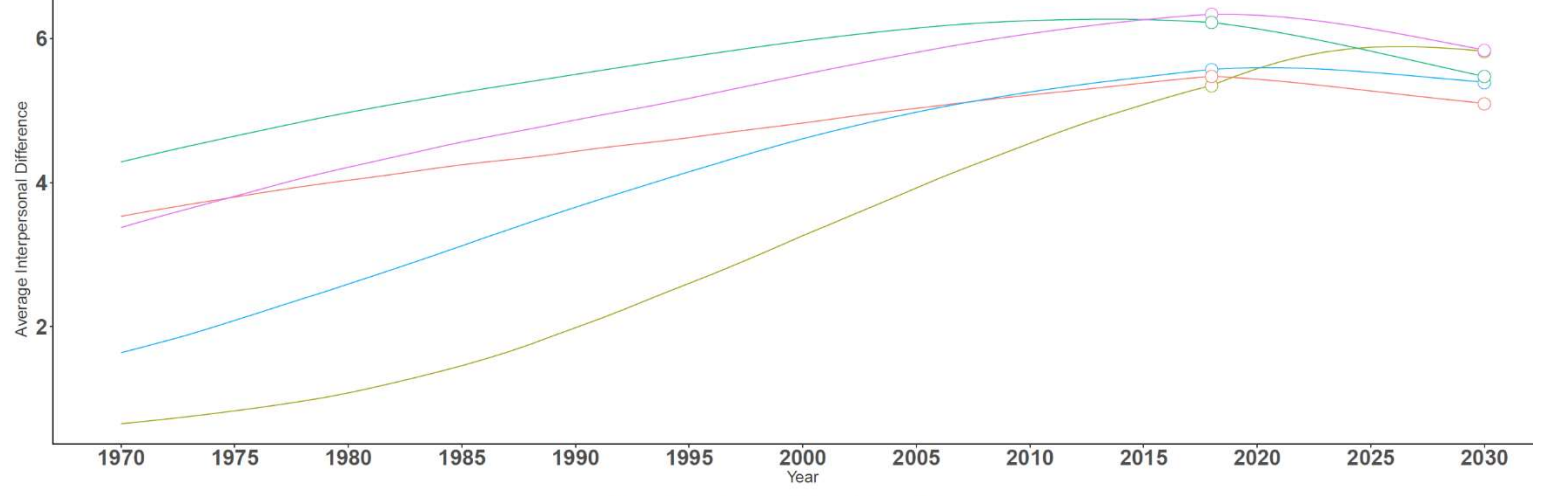
Sub-Saharan Africa



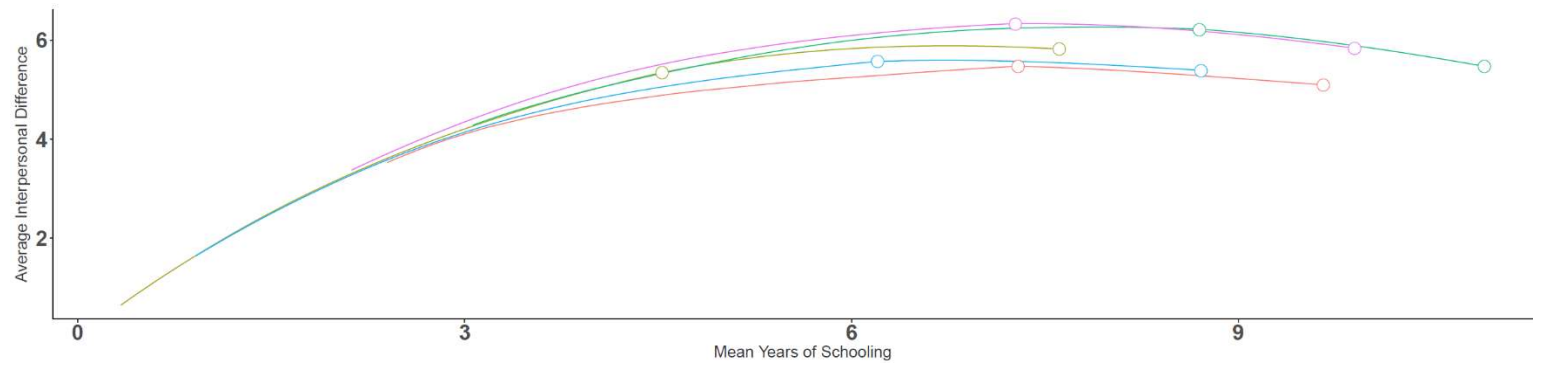
- Angola
- Benin
- Botswana
- Burkina Faso
- Burundi
- Cameroon
- Cape Verde
- Central African Republic
- Chad
- Comoros
- Congo
- Cote d'Ivoire
- Democratic Republic of the Congo
- Djibouti
- Equatorial Guinea
- Eritrea
- Ethiopia
- Gabon
- Ghana
- Guinea
- Guinea-Bissau
- Kenya
- Lesotho
- Liberia
- Madagascar
- Malawi
- Mali
- Mauritania
- Mozambique
- Namibia
- Niger
- Nigeria
- Rwanda
- Sao Tome and Principe
- Senegal
- Sierra Leone
- Somalia
- South Africa
- South Sudan
- Swaziland
- Tanzania
- The Gambia
- Togo
- Uganda
- Zambia
- Zimbabwe



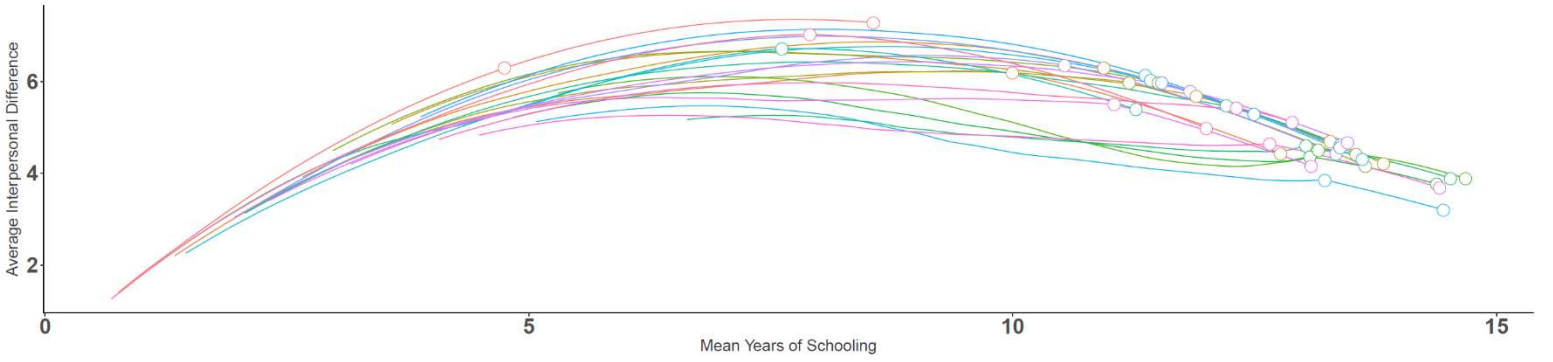
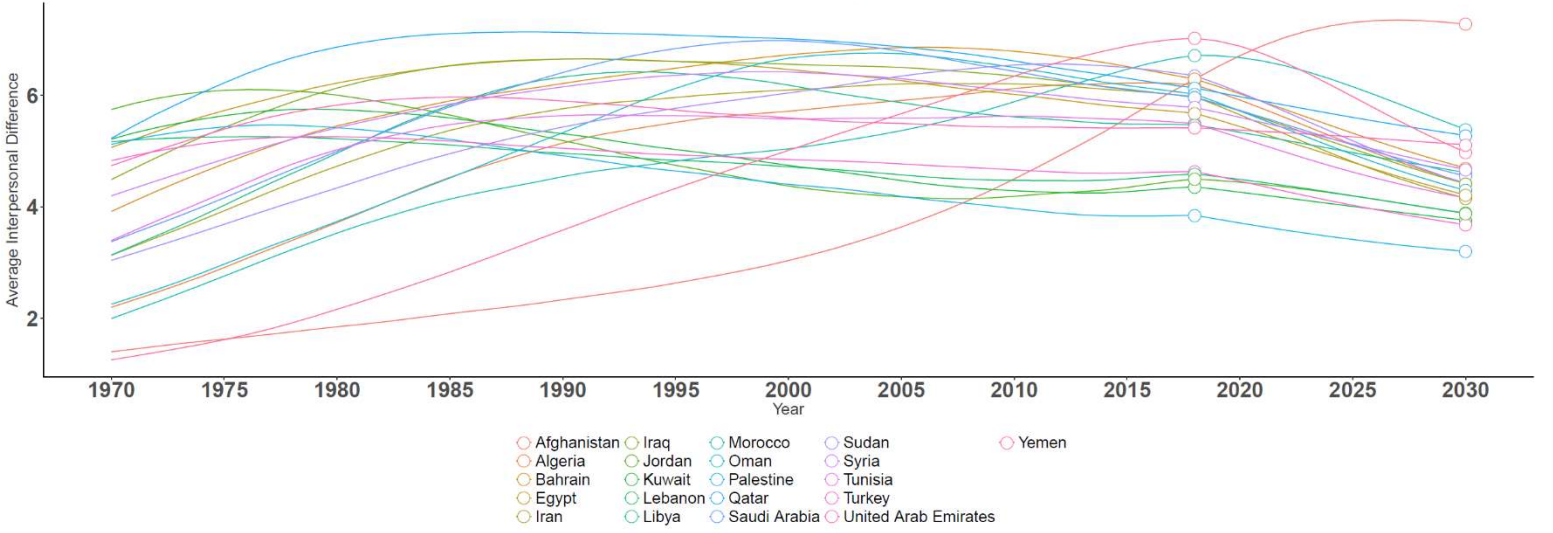
South Asia



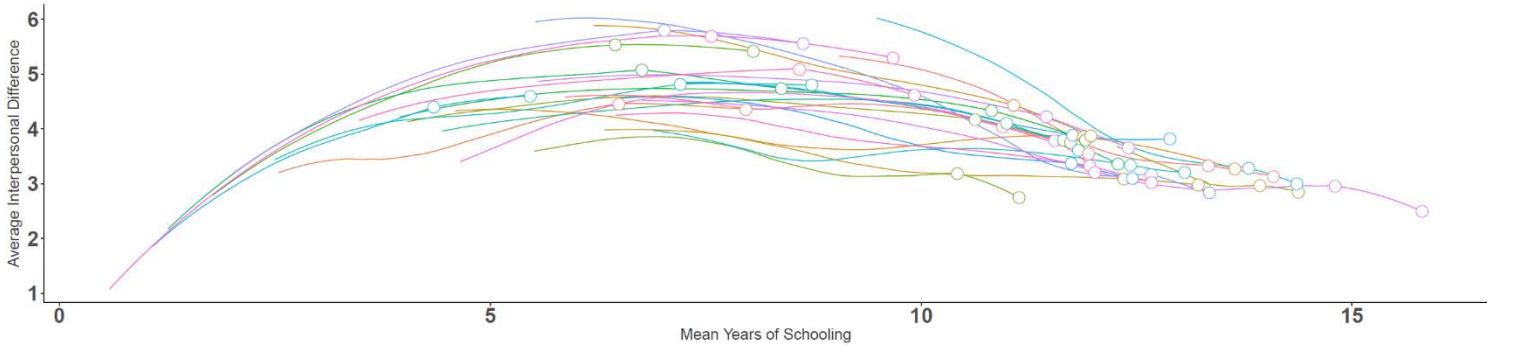
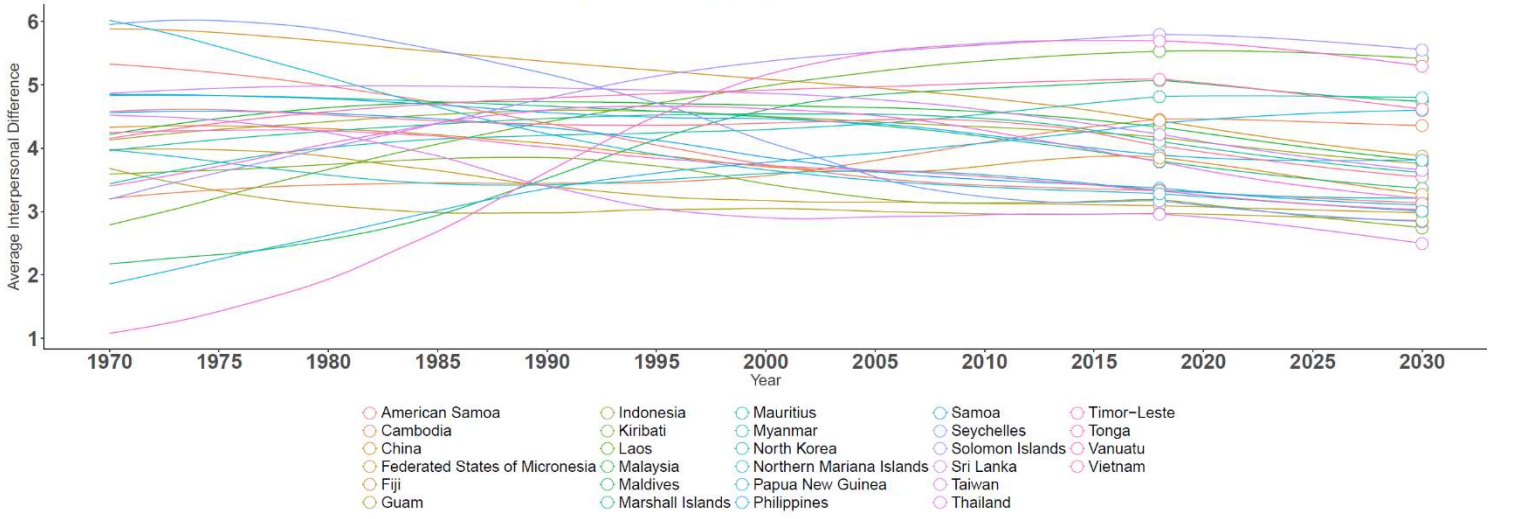
- Bangladesh
- Bhutan
- India
- Nepal
- Pakistan



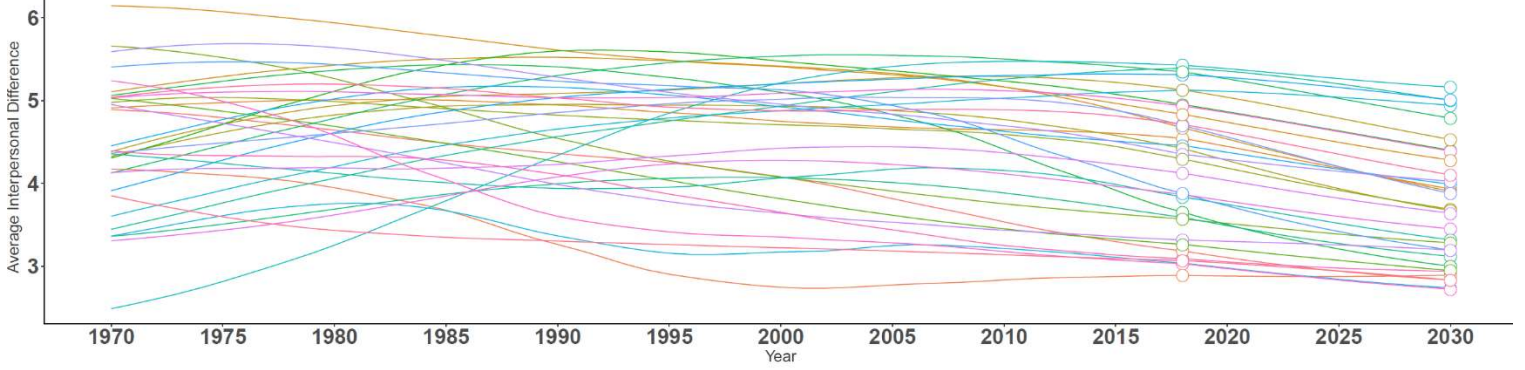
North Africa and Middle East



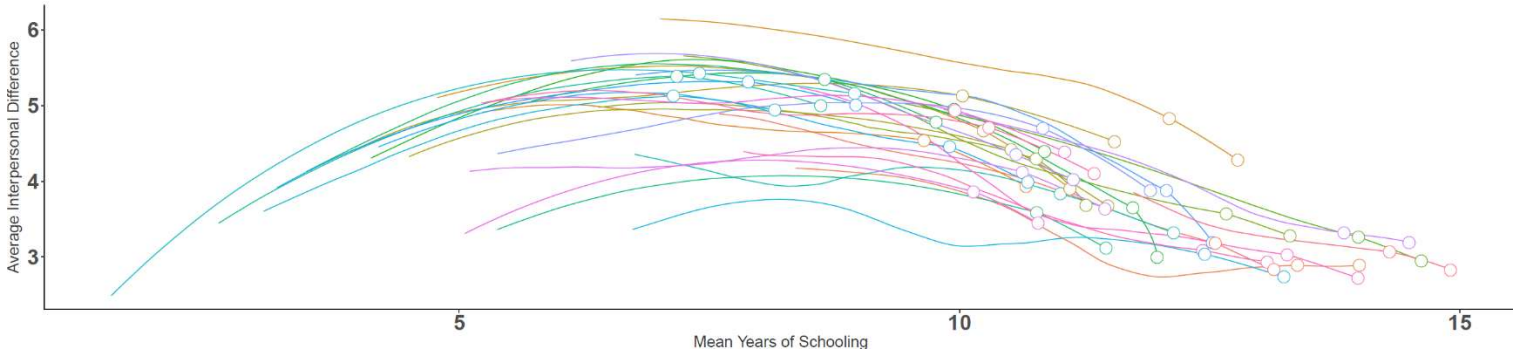
Southeast Asia, East Asia, and Oceania



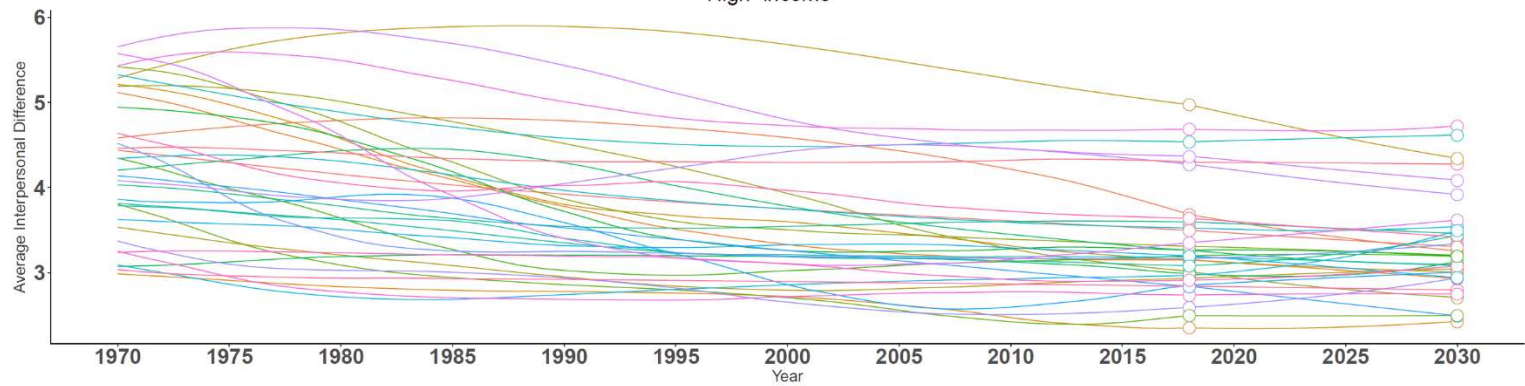
Latin America and Caribbean



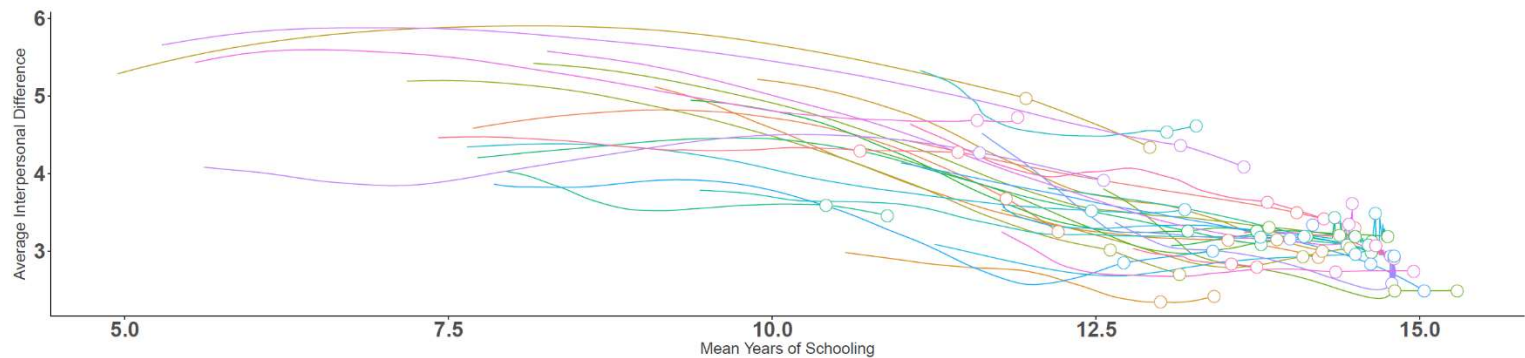
- Antigua and Barbuda
- Barbados
- Belize
- Bermuda
- Bolivia
- Brazil
- Colombia
- Costa Rica
- Cuba
- Dominica
- Dominican Republic
- Ecuador
- El Salvador
- Grenada
- Guatemala
- Guyana
- Haiti
- Honduras
- Jamaica
- Mexico
- Nicaragua
- Panama
- Paraguay
- Peru
- Puerto Rico
- Saint Lucia
- Saint Vincent and the Grenadines
- Suriname
- The Bahamas
- Trinidad and Tobago
- Venezuela
- Virgin Islands, U.S.



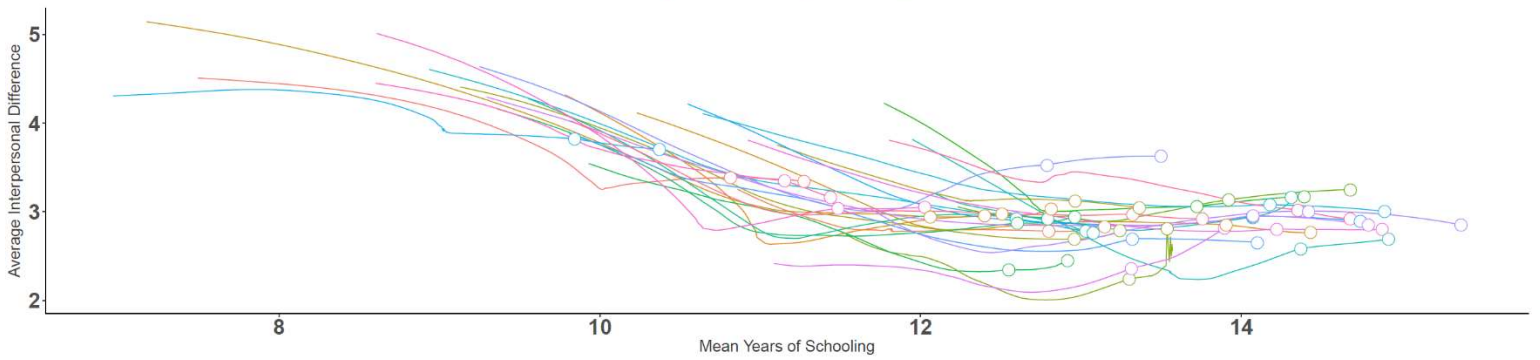
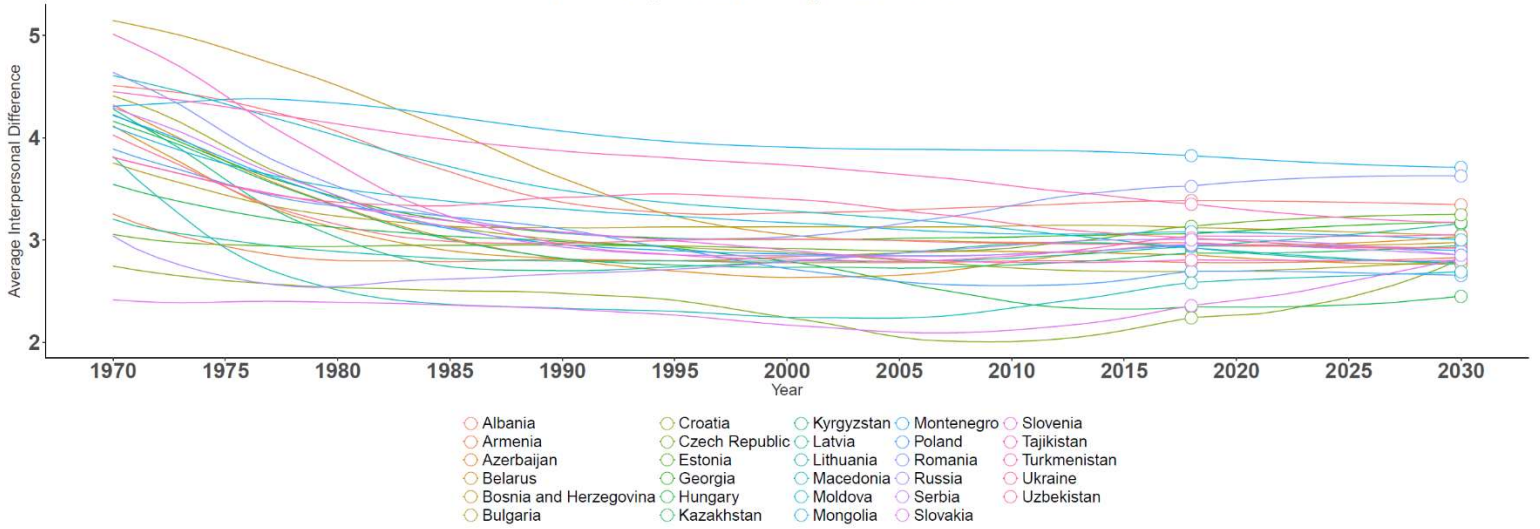
High-income



- Andorra
- Argentina
- Australia
- Austria
- Belgium
- Brunei
- Canada
- Chile
- Cyprus
- Denmark
- Finland
- France
- Germany
- Greece
>
- Greenland
- Iceland
- Ireland
- Israel
- Italy
- Japan
- Luxembourg
- Malta
- Netherlands
- New Zealand
- Norway
- Portugal
- Singapore
- South Korea
- Spain
- Sweden
- Switzerland
- United Kingdom
- United States
- Uruguay



Central Europe, Eastern Europe, and Central Asia



Supplemental Figure 15. Country Specific Kuznets Curves

Educational inequality, represented by the AID, is represented on the y axis against time (top) and the mean years of schooling (bottom) by country, separate for each super-region. The dots mark 2018, the beginning of forecasts, and 2030, the SDG target year.