## Supplemental Online Content

Hu H, Song J, MacGregor GA, He F. Consumption of soft drinks and overweight and obesity among adolescents in 107 countries and regions. JAMA Netw Open. 2023;6(7):e2325158.
doi:10.1001/jamanetworkopen.2023.25158
eFigure 1. Flowchart for Inclusion of the GSHS, HBSC (Europe), and YRBS (US) Surveys eFigure 2. Prevalence of Overweight and Obesity by Soft Drink Consumption Across 102 Countries and Regions in the 2009-2017 GSHS, 2017/18 HBSC (Europe), and 2019 YRBS (US) Surveys (Sensitivity Analysis)
eTable 1. Sampling Methods and Data Collection in the 2009-2017 GSHS, 2017/18 HBSC (Europe), and 2019 YRBS (US) Surveys
eTable 2. Characteristics of Included and Excluded Adolescent Students From the GSHS, HBSC (Europe), and YRBS (US) Surveys
eTable 3. Country-Level Characteristics in the 2009-2017 GSHS, 2017/18 HBSC (Europe), and 2019, YRBS (US) Surveys
eTable 4. Country-Level Analysis of the Association Between the Prevalence of Daily Soft Drink Consumption and Prevalence of Overweight and Obesity Across 107 Countries And Regions in the 20092017 GSHS, 2017/18 HBSC (Europe), and 2019 YRBS (US) Surveys Using Multivariate Linear Regression Models
eTable 5. Country-Level Analysis of the Association Between the Prevalence of Daily Soft Drink Consumption and Prevalence of Overweight and Obesity Across 102 Countries and Regions in the 20092017 GSHS, 2017/18 HBSC (Europe), and 2019 YRBS (US) Surveys Using Multivariate Linear Regression Models (Sensitivity Analysis)

This supplemental material has been provided by the authors to give readers additional information about their work.
eFigure 1 Flowchart for inclusion of the GSHS, HBSC (Europe), and YRBS (US) surveys

eFigure 2 Prevalence of overweight and obesity by soft drink consumption across 102 countries and regions in the 2009-2017 GSHS, 2017/18 HBSC (Europe), and 2019 YRBS (US) surveys (sensitivity analysis)*

$\Delta$ Boys $\quad$ Girls L Linear (Overall) L_Linear (Boys) L Linear (Girls)
*Two countries with the highest prevalence of daily soft drink consumption among school-going adolescents and three countries with the lowest prevalence of daily soft drink consumption were excluded.

Consumption is the prevalence of daily soft drink consumption ( $\geq 1$ time per day) among school-going adolescents. The partial correlation coefficient (each country has the same weight) is 0.36 ( $\mathrm{P}<0.001$ ) for all students, 0.28 ( $\mathrm{P}=0.006$ ) for male students, and 0.45 ( $\mathrm{P}<0.001$ ) for female students, controlling for the mean of age, percentage of female students (for the overall analysis), prevalence of daily fruit consumption, prevalence of daily vegetable consumption, percentage of physical activity, implementation of soft drink taxes, country income groups, and year of data collection.
eTable 1 Sampling methods and data collection in the 2009-2017 GSHS, 2017/18 HBSC (Europe), and 2019 YRBS (US) surveys

|  | GSHS | HBSC (Europe) | YRBS (US) |
| :---: | :---: | :---: | :---: |
| Sampling methods | A two-stage cluster sampling design is used to obtain a representative sample of students in each country. In the first stage, middle schools were randomly selected by Probability Proportional to Size method. In the second stage, the classes were randomly sampled using systematic sampling method. All students in selected classes were invited to participate in the survey. | The survey employs cluster sampling to select a representative sample of young people aged 11, 13, and 15 in each HBSC country or region, with approximately 1,500 students from each age group. Data are collected through self-administered questionnaires distributed in classrooms. | A three-stage cluster sample design is used to produce a representative sample of students in grades 9-12. In the first stage, primary sampling units (PSUs) such as counties, groups of adjacent counties or parts of larger counties, are categorized into 16 strata based on metropolitan statistical area status and the percentages of non-Hispanic Black and Hispanic students. PSUs are then sampled based on the overall school enrollment size with probability proportional to it. In the second stage, schools are selected with probability proportional to school enrollment. In the third stage, one or two classes from each of grades 9 to 12 are chosen at each school. All students in the selected classes are eligible to participate in the survey. Students complete the selfadministered questionnaire during one class period. |
| Height and weight | Measured by trained survey staff | Self-reported | Self-reported |
| Soft drink | During the past 30 days, how many times per day did you usually drink carbonated soft drinks, such as COUNTRY SPECIFIC EXAMPLES? (Do not include diet soft drinks.) <br> A I did not drink carbonated soft drinks during the past 30 days <br> $B$ Less than 1 time per day <br> C 1 time per day | How many times a week do you usually drink Coke or other soft drinks that contain sugar? <br> 1 Never <br> 2 Less once a week <br> 3 Once a week <br> 4-4 days a week <br> 5-6 days a week <br> 6 Once daily | During the past 7 days, how many times did you drink a can, bottle, or glass of soda or pop, such as Coke, Pepsi, or Sprite? (Do not count diet soda or diet pop.) <br> A. I did not drink soda or pop during the past 7 days <br> B. 1 to 3 times during the past 7 days <br> C. 4 to 6 times during the past 7 days <br> D. 1 time per day |


|  | D 2 times per day <br> E 3 times per day <br> F 4 times per day <br> G 5 or more times per day | 7 More than once daily | E. 2 times per day <br> F. 3 times per day <br> G. 4 or more times per day |
| :---: | :---: | :---: | :---: |
| Vegetables | During the past 30 days, how many times per day did you usually eat vegetables, such as <br> COUNTRY SPECIFIC EXAMPLES? <br> I did not eat vegetables during the past 30 days <br> A Less than one time per day <br> B 1 time per day <br> C 2 times per day <br> D 3 times per day <br> E 4 times per day <br> F 5 or more times per day | How many times a week do you usually eat vegetables? <br> 1 Never <br> 2 Less once a week <br> 3 Once a week <br> 4-4 days a week <br> 5-6 days a week <br> 6 Once daily <br> 7 More than once daily | During the past 7 days, how many times did you eat green salad, potatoes, carrots, and other vegetables? (Do not count green salad, potatoes, or carrots.) <br> A. I did not eat other vegetables during the past 7 days <br> B. 1 to 3 times during the past 7 days <br> C. 4 to 6 times during the past 7 days <br> D. 1 time per day <br> E. 2 times per day <br> F. 3 times per day <br> G. 4 or more times per day <br> Daily vegetable consumption is defined as eating green salad, potatoes, carrots, or other vegetables 1 time or more per day (at least one of the 4 vegetables categories). |
| Fruits | During the past 30 days, how many times per day did you usually eat fruits, such as COUNTRY SPECIFIC EXAMPLES? <br> A I did not eat vegetables during the past 30 <br> days <br> B Less than one time per day <br> C 1 time per day <br> D 2 times per day <br> E 3 times per day <br> F 4 times per day <br> G 5 or more times per day | How many times a week do you usually eat fruits? <br> 1 Never <br> 2 Less once a week <br> 3 Once a week <br> 4 2-4 days a week <br> 5-6 days a week <br> 6 Once daily <br> 7 More than once daily | During the past 7 days, how many times did you eat green fruits? <br> A. I did not eat other vegetables during the past 7 days <br> B. 1 to 3 times during the past 7 days <br> C. 4 to 6 times during the past 7 days <br> D. 1 time per day <br> E. 2 times per day <br> F. 3 times per day <br> G. 4 or more times per day <br> Daily vegetable consumption is defined as eating green salad, potatoes, carrots, or other vegetables 1 time or more per day (at least one of the 4 vegetables categories). |


|  |  |  |  |
| :---: | :---: | :---: | :---: |
| activity | were you physically active for a total of at least 60 minutes per day? ADD UP ALL THE TIME YOU SPENT IN ANY KIND OF PHYSICAL ACTIVITY EACH DAY. <br> A. 0 days <br> B. 1 day <br> C. 2 days <br> D. 3 days <br> E. 4 days <br> F. 5 days <br> G. 6 days <br> H. 7 days | days were you physically active for a total of at least 60 minutes per day? Please add up all the time you spent in physical activity each day. <br> 00 Days <br> 11 Day <br> 22 Days <br> 33 Days <br> 44 Days <br> 55 Days <br> 66 Days <br> 77 Days | days were you physically active for a total of at least 60 minutes per day? (Add up all the time you spent in any kind of physical activity that increased your heart rate and made you breathe hard some of the time.) <br> A. 0 days <br> B. 1 day <br> C. 2 days <br> D. 3 days <br> E. 4 days <br> F. 5 days <br> G. 6 days <br> H. 7 days |

eTable 2 Characteristics of included and excluded adolescent students from the GSHS, HBSC (Europe), and YRBS (US) surveys

|  | Included students | Excluded students | P |
| :--- | :---: | :---: | :---: |
| N | 405,528 | 137,653 |  |
| Mean age (years) | $14.2 \pm 1.7$ | $14.1 \pm 1.8$ | $<0.001$ |
| Prevalence of overweight and obesity | $21.4 \%$ | $27.3 \%$ | $<0.001$ |
| Prevalence of daily soft drink consumption | $31.3 \%$ | $35.9 \%$ | $<0.001$ |
| Percentage of female students | $51.6 \%$ | $51.1 \%$ | $<0.001$ |
| Prevalence of daily fruit consumption | $52.8 \%$ | $51.8 \%$ | $<0.001$ |
| Prevalence of daily vegetable consumption | $58.4 \%$ | $55.3 \%$ | $<0.001$ |
| Prevalence of physical activity | $33.2 \%$ | $32.0 \%$ | $<0.001$ |
| Country income groups |  |  |  |
| $\quad$ Low-income countries | $4.0 \%$ | $1.6 \%$ |  |
| Lower-middle-income countries | $24.6 \%$ | $12.8 \%$ |  |
| Upper-middle-income countries | $30.4 \%$ | $19.4 \%$ |  |
| $\quad$ High-income countries | $41.0 \%$ | $66.2 \%$ | $<0.001$ |
| Data source |  |  |  |
| GSHS | $53.2 \%$ | $52.8 \%$ |  |
| HBSC (Europe) | $44.4 \%$ | $44.2 \%$ |  |
| YRBS (US) | $2.4 \%$ | $3.0 \%$ | $<0.001$ |

eTable 3 Country-level characteristics in the 2009-2017 GSHS, 2017/18 HBSC (Europe), and 2019 YRBS (US) surveys

| Country | Prevalence of overweight and obesity | Prevalence of daily soft drink consumption | Mean age (years) | Percentage of female students | Prevalence of daily fruit consumption | Prevalence of daily vegetable consumption | Prevalence of physical activity | Year | Income groups $^{\text {a }}$ | Soft drink tax | Adolescent population size ${ }^{\text {b }}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Afghanistan | $\begin{gathered} 14.7 \\ (11.6,17.9) \end{gathered}$ | $\begin{gathered} \hline 37.9 \\ (33.9,42.0) \\ \hline \end{gathered}$ | $15.4 \pm 0.16$ | $\begin{gathered} 45.9 \\ (30.6,61.2) \\ \hline \end{gathered}$ | $\begin{gathered} 57.6 \\ (51.9,63.4) \\ \hline \end{gathered}$ | $\begin{gathered} 64.5 \\ (60.1,68.8) \\ \hline \end{gathered}$ | $\begin{gathered} 18.2 \\ (15.4,21.1) \end{gathered}$ | 2014 | low | 0 | 7499077.32 |
| Albania | $\begin{gathered} 22.7 \\ (19.2,26.2) \end{gathered}$ | $\begin{gathered} 27.1 \\ (24.8,29.4) \\ \hline \end{gathered}$ | $13.5 \pm 0.10$ | $\begin{gathered} 56.6 \\ (54.0,59.2) \\ \hline \end{gathered}$ | $\begin{gathered} 67.5 \\ (65.1,70.0) \\ \hline \end{gathered}$ | $\begin{gathered} 47.6 \\ (45.0,50.1) \\ \hline \end{gathered}$ | $\begin{gathered} 42.8 \\ (40.6,45.1) \\ \hline \end{gathered}$ | 2017 | upper middle | 0 | 340105.5479 |
| Algeria | $\begin{gathered} 14.5 \\ (12.5,16.4) \end{gathered}$ | $\begin{gathered} 76.7 \\ (74.4,79.1) \\ \hline \end{gathered}$ | $14.0 \pm 0.06$ | $\begin{gathered} 51.8 \\ (50.3,53.3) \\ \hline \end{gathered}$ | $\begin{gathered} 82.5 \\ (80.4,84.6) \\ \hline \end{gathered}$ | $\begin{gathered} 92.0 \\ (90.5,93.4) \\ \hline \end{gathered}$ | $\begin{gathered} 21.1 \\ (19.8,22.3) \end{gathered}$ | 2011 | upper middle | 0 | 5890621.914 |
| Argentina | $\begin{gathered} 27.8 \\ (26.4,29.2) \end{gathered}$ | $64(62.1,65.8)$ | $14.4 \pm 0.04$ | $51.3(49,53.7)$ | $\begin{gathered} 67.0 \\ (65.9,68.0) \\ \hline \end{gathered}$ | $\begin{gathered} 73.2 \\ (72.2,74.3) \\ \hline \end{gathered}$ | $\begin{gathered} 30.8 \\ (29.5,32.1) \\ \hline \end{gathered}$ | 2012 | upper middle | 0 | 6441228.06 |
| Armenia | $\begin{gathered} 18.4 \\ (17.1,19.7) \\ \hline \end{gathered}$ | $\begin{gathered} 27.2 \\ (25.7,28.8) \\ \hline \end{gathered}$ | $13.5 \pm 0.11$ | $\begin{gathered} 52.5 \\ (50.8,54.3) \\ \hline \end{gathered}$ | $\begin{gathered} 63.1 \\ (61.4,64.7) \\ \hline \end{gathered}$ | $\begin{gathered} 47.9 \\ (46.3,49.5) \\ \hline \end{gathered}$ | $\begin{gathered} 51.9 \\ (50.1,53.8) \\ \hline \end{gathered}$ | 2017 | upper middle | 0 | 314275.4524 |
| Austria | $\begin{gathered} 21.2 \\ (19.9,22.6) \end{gathered}$ | $\begin{gathered} 16.7 \\ (15.4,17.9) \end{gathered}$ | $13.3 \pm 0.09$ | $\begin{gathered} 50.6 \\ (48.3,52.9) \end{gathered}$ | $\begin{gathered} 42.3 \\ (40.6,44.1) \\ \hline \end{gathered}$ | $\begin{gathered} 32.9 \\ (31.4,34.5) \\ \hline \end{gathered}$ | $\begin{gathered} 47.6 \\ (45.7,49.5) \end{gathered}$ | 2018 | high | 0 | 782930.0113 |
| Azerbaijan | $\begin{gathered} 17.2 \\ (15.8,18.6) \\ \hline \end{gathered}$ | $\begin{gathered} 13.8 \\ (12.6,14.9) \\ \hline \end{gathered}$ | $13.2 \pm 0.09$ | $52.7(51.3,54)$ | $\begin{gathered} 39.3 \\ (37.4,41.2) \\ \hline \end{gathered}$ | $\begin{gathered} 34.5 \\ (32.6,36.3) \\ \hline \end{gathered}$ | $\begin{gathered} 28.4 \\ (26.8,30) \\ \hline \end{gathered}$ | 2017 | upper middle | 0 | 1245100.309 |
| Bahamas | $\begin{gathered} 45.5 \\ (41.7,49.3) \\ \hline \end{gathered}$ | $\begin{gathered} 69.4 \\ (65.2,73.6) \\ \hline \end{gathered}$ | $13.5 \pm 0.11$ | 53.4 (49.9,57) | $\begin{gathered} 54.6 \\ (51.2,57.9) \\ \hline \end{gathered}$ | $\begin{gathered} 51.3 \\ (48.1,54.6) \\ \hline \end{gathered}$ | $\begin{gathered} 24 \\ (19.5,28.5) \end{gathered}$ | 2013 | high | 0 | 56627.54331 |
| Bahrain | $\begin{gathered} 39.5 \\ (38.3,40.8) \\ \hline \end{gathered}$ | $34(31,36.9)$ | $14.3 \pm 0.19$ | $\begin{gathered} 49.9 \\ (37.6,62.3) \\ \hline \end{gathered}$ | $\begin{gathered} 51.5 \\ (49.6,53.4) \\ \hline \end{gathered}$ | $\begin{gathered} 57.7 \\ (56.1,59.3) \\ \hline \end{gathered}$ | $\begin{gathered} 29.2 \\ (26.9,31.6) \\ \hline \end{gathered}$ | 2016 | high | 1 | 151696.8638 |
| Bangladesh | 9.2 (4.8,13.5) | $\begin{gathered} \hline 45.8 \\ (42.2,49.5) \\ \hline \end{gathered}$ | $14.2 \pm 0.09$ | $\begin{gathered} 35.7 \\ (28.3,43.1) \\ \hline \end{gathered}$ | $\begin{gathered} 49.6 \\ (45.3,53.9) \\ \hline \end{gathered}$ | $74.2(69.4,79)$ | $\begin{gathered} 54.9 \\ (50.8,58.9) \\ \hline \end{gathered}$ | 2014 | lower middle | 0 | 28103490.63 |
| Barbados | $\begin{gathered} 31.9 \\ (29.1,34.7) \\ \hline \end{gathered}$ | $\begin{gathered} 73.6 \\ (71.5,75.7) \\ \hline \end{gathered}$ | $14.2 \pm 0.09$ | $\begin{gathered} 49.3 \\ (45.4,53.3) \\ \hline \end{gathered}$ | $\begin{gathered} 54.3 \\ (51.8,56.9) \\ \hline \end{gathered}$ | $\begin{gathered} 61.0 \\ (58.8,63.3) \\ \hline \end{gathered}$ | $\begin{gathered} 29.1 \\ (26.8,31.4) \\ \hline \end{gathered}$ | 2011 | high | 1 | 34560.02804 |
| Belgium | $\begin{gathered} 17.1 \\ (16.2,17.9) \\ \hline \end{gathered}$ | $\begin{gathered} 25.0 \\ (24.0,26.1) \\ \hline \end{gathered}$ | $13.2 \pm 0.06$ | $\begin{gathered} 50.9 \\ (49.7,52.2) \\ \hline \end{gathered}$ | $\begin{gathered} 45.1 \\ (43.9,46.3) \\ \hline \end{gathered}$ | $\begin{gathered} 61.2 \\ (60.1,62.3) \\ \hline \end{gathered}$ | $\begin{gathered} 43.3 \\ (42.1,44.5) \\ \hline \end{gathered}$ | 2018 | high | 1 | 1137685.154 |
| Belize | $\begin{gathered} 36.3 \\ (34.1,38.6) \\ \hline \end{gathered}$ | $\begin{gathered} 63.7 \\ (60.8,66.7) \\ \hline \end{gathered}$ | $13.9 \pm 0.13$ | 52.4 (48.8,56) | $\begin{gathered} 71.1 \\ (68.5,73.8) \\ \hline \end{gathered}$ | $\begin{gathered} 74.5 \\ (72.8,76.2) \\ \hline \end{gathered}$ | $\begin{gathered} 31.0 \\ (29.6,32.5) \\ \hline \end{gathered}$ | 2011 | upper middle | 0 | 69535.33563 |
| Benin | 8.3 (6.1,10.4) | $\begin{gathered} 34.7 \\ (30.5,38.8) \\ \hline \end{gathered}$ | $16.6 \pm 0.11$ | 27 (23.7,30.3) | $\begin{gathered} 63.5 \\ (58.3,68.8) \\ \hline \end{gathered}$ | $\begin{gathered} 64.1 \\ (58.9,69.2) \\ \hline \end{gathered}$ | $\begin{gathered} 37.9 \\ (32.4,43.3) \\ \hline \end{gathered}$ | 2016 | low | 0 | 2441573.315 |
| Bhutan | $\begin{gathered} 11.5 \\ (10.4,12.5) \\ \hline \end{gathered}$ | 38 (35.6,40.4) | $15.6 \pm 0.17$ | $\begin{gathered} \hline 51.8 \\ (50.8,52.8) \\ \hline \end{gathered}$ | $\begin{gathered} 50.2 \\ (47.0,53.3) \end{gathered}$ | $\begin{gathered} 78.8 \\ (77.0,80.5) \\ \hline \end{gathered}$ | $\begin{gathered} 23.9 \\ (22.2,25.5) \end{gathered}$ | 2016 | lower middle | 0 | 129989.5265 |
| Bolivia | $\begin{gathered} 22.5 \\ (20.5,24.6) \\ \hline \end{gathered}$ | $\begin{gathered} 62.5 \\ (60.6,64.3) \\ \hline \end{gathered}$ | $14.4 \pm 0.10$ | $\begin{gathered} 48.7 \\ (46.8,50.7) \\ \hline \end{gathered}$ | $70.9(68.8,73)$ | $\begin{gathered} 80.9 \\ (79.1,82.7) \\ \hline \end{gathered}$ | $\begin{gathered} 23.8 \\ (21.5,26.2) \\ \hline \end{gathered}$ | 2012 | lower middle | 0 | 1985993.842 |


| Brunei Darussalam | $\begin{gathered} 35.3 \\ (33.2,37.3) \\ \hline \end{gathered}$ | $\begin{gathered} 45.8 \\ (43.2,48.5) \\ \hline \end{gathered}$ | $14.7 \pm 0.10$ | $\begin{gathered} 50.4 \\ (47.0,53.8) \end{gathered}$ | $\begin{gathered} 54.2 \\ (52.2,56.1) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 65.7 \\ (63.9,67.5) \\ \hline \end{gathered}$ | $\begin{gathered} 21.5 \\ (19.9,23.1) \end{gathered}$ | 2014 | high | 0 | 64870.99908 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Bulgaria | $\begin{gathered} 23.5 \\ (22.2,24.8) \\ \hline \end{gathered}$ | $\begin{gathered} 27.2 \\ (26.0,28.5) \\ \hline \end{gathered}$ | $13.6 \pm 0.09$ | $\begin{gathered} 52.3 \\ (50.2,54.5) \end{gathered}$ | $\begin{gathered} 38.6 \\ (37.3,40.0) \\ \hline \end{gathered}$ | $\begin{gathered} 43.3 \\ (41.8,44.7) \\ \hline \end{gathered}$ | $\begin{gathered} 48.0 \\ (46.6,49.4) \end{gathered}$ | 2018 | upper middle | 0 | 586576.5513 |
| Cambodia | 3.3 (2.6,4.1) | $41.8(38,45.6)$ | $15.6 \pm 0.11$ | $\begin{gathered} 48.6 \\ (46.4,50.7) \end{gathered}$ | $\begin{gathered} 52.2 \\ (48.0,56.4) \end{gathered}$ | $\begin{gathered} 76.9 \\ (73.9,79.9) \end{gathered}$ | $\begin{gathered} 10.6 \\ (9.6,11.7) \end{gathered}$ | 2013 | low | 0 | 2823266.699 |
| Canada | $24.7(23.5,26)$ | 4.8 (4.2,5.4) | $13.9 \pm 0.08$ | $\begin{gathered} 51.1 \\ (49.7,52.6) \\ \hline \end{gathered}$ | $\begin{gathered} 53.2 \\ (51.6,54.8) \\ \hline \end{gathered}$ | $\begin{gathered} 54.3 \\ (52.8,55.7) \\ \hline \end{gathered}$ | $\begin{gathered} 62.2 \\ (60.3,64) \\ \hline \end{gathered}$ | 2018 | high | 1 | 3663762.779 |
| Chile | $\begin{gathered} 42.5 \\ (40.2,44.8) \end{gathered}$ | $\begin{gathered} 64.8 \\ (60.6,69.1) \\ \hline \end{gathered}$ | $15.1 \pm 0.14$ | $\begin{gathered} 50.7 \\ (44.8,56.5) \end{gathered}$ | $\begin{gathered} 71.4 \\ (68.4,74.4) \\ \hline \end{gathered}$ | $\begin{gathered} 84.6 \\ (82.8,86.5) \end{gathered}$ | $\begin{gathered} 26.5 \\ (23.9,29.1) \end{gathered}$ | 2013 | high | 0 | 2273106.67 |
| Cook Islands | $\begin{gathered} 63.9 \\ (59.4,68.4) \\ \hline \end{gathered}$ | $\begin{gathered} 55.8 \\ (52.6,59.1) \\ \hline \end{gathered}$ | $15.4 \pm 0.30$ | $\begin{gathered} 51.7 \\ (48.1,55.4) \end{gathered}$ | 69 (66.5,71.5) | $\begin{gathered} 73.7 \\ (70.8,76.6) \\ \hline \end{gathered}$ | $\begin{gathered} 35 \\ (31.3,38.7) \\ \hline \end{gathered}$ | 2015 | lower middle | 1 | 2610.134088 |
| CostaRica | $\begin{gathered} 27.9 \\ (25.6,30.2) \end{gathered}$ | $\begin{gathered} 51.7 \\ (48.9,54.5) \end{gathered}$ | $14.3 \pm 0.08$ | $\begin{gathered} 49.1 \\ (46.8,51.5) \end{gathered}$ | $\begin{gathered} 60.3 \\ (58.7,61.9) \end{gathered}$ | $\begin{gathered} 74.8 \\ (72.4,77.1) \end{gathered}$ | $\begin{gathered} 28.3 \\ (25.8,30.9) \end{gathered}$ | 2009 | upper middle | 0 | 754934.0825 |
| Croatia | $\begin{gathered} 22.4 \\ (21.0,23.7) \end{gathered}$ | $\begin{gathered} 16.2 \\ (15.1,17.4) \end{gathered}$ | $13.8 \pm 0.10$ | $\begin{gathered} 49.1 \\ (47.1,51.2) \end{gathered}$ | $\begin{gathered} 34.4 \\ (33.0,35.9) \\ \hline \end{gathered}$ | $\begin{gathered} 27.3 \\ (26.0,28.6) \\ \hline \end{gathered}$ | $\begin{gathered} 49.8 \\ (48.2,51.4) \end{gathered}$ | 2018 | high | 0 | 384153.5272 |
| Czech Republic | $\begin{gathered} 21.4 \\ (20.5,22.2) \\ \hline \end{gathered}$ | $\begin{gathered} 13.6 \\ (12.9,14.4) \\ \hline \end{gathered}$ | $13.4 \pm 0.07$ | $\begin{gathered} 50.4 \\ (49.5,51.3) \\ \hline \end{gathered}$ | 46.1 (45,47.3) | 36.9 (35.9,38) | $\begin{gathered} 44.3 \\ (43.3,45.4) \\ \hline \end{gathered}$ | 2018 | high | 0 | 923889.6293 |
| Denmark | $\begin{gathered} 13.9 \\ (12.8,15.1) \end{gathered}$ | 6.2 (5.4,7.0) | $13.4 \pm 0.11$ | $\begin{gathered} 50.9 \\ (49.4,52.4) \end{gathered}$ | $\begin{gathered} 38.1 \\ (36.4,39.8) \\ \hline \end{gathered}$ | $\begin{gathered} 47.2 \\ (45.5,48.9) \\ \hline \end{gathered}$ | $\begin{gathered} 33.6 \\ (31.4,35.8) \\ \hline \end{gathered}$ | 2018 | high | 0 | 610063.4869 |
| Dominica | $\begin{gathered} 26.4 \\ (23.8,28.9) \end{gathered}$ | $\begin{gathered} 57.1 \\ (54.4,59.7) \end{gathered}$ | $14.1 \pm 0.17$ | $\begin{gathered} 47.9 \\ (44.0,51.8) \end{gathered}$ | $\begin{gathered} 69.1 \\ (66.4,71.8) \end{gathered}$ | $\begin{gathered} 69.9 \\ (67.6,72.3) \end{gathered}$ | $\begin{gathered} 22.8 \\ (20.3,25.2) \end{gathered}$ | 2009 | upper middle | 1 | 11527.47586 |
| Dominican Republic | $\begin{gathered} 28.4 \\ (25.6,31.2) \\ \hline \end{gathered}$ | $\begin{gathered} 74.2 \\ (72.7,75.7) \\ \hline \end{gathered}$ | $15.5 \pm 0.24$ | $\begin{gathered} 49.8 \\ (46.3,53.4) \\ \hline \end{gathered}$ | $\begin{gathered} 59.3 \\ (54.9,63.8) \\ \hline \end{gathered}$ | 65 (58.2,71.8) | $\begin{gathered} 22.9 \\ (19.4,26.3) \end{gathered}$ | 2016 | upper middle | 0 | 1751582.15 |
| Egypt | $\begin{gathered} 34.0 \\ (31.0,37.0) \end{gathered}$ | $\begin{gathered} 54.7 \\ (49.0,60.3) \end{gathered}$ | $13.5 \pm 0.07$ | $\begin{gathered} 51.3 \\ (41.3,61.4) \end{gathered}$ | $\begin{gathered} 79.4 \\ (75.6,83.3) \end{gathered}$ | 73.2 (68.4,78) | $\begin{gathered} 17.5 \\ (14.1,21) \end{gathered}$ | 2011 | lower middle | 0 | 15173274.31 |
| El Salvador | $\begin{gathered} 28.7 \\ (25.9,31.5) \\ \hline \end{gathered}$ | $\begin{gathered} 66.6 \\ (63.4,69.7) \\ \hline \end{gathered}$ | $14.3 \pm 0.08$ | $\begin{gathered} 48.2 \\ (44.2,52.2) \end{gathered}$ | $\begin{gathered} 72.6 \\ (70.5,74.6) \\ \hline \end{gathered}$ | $\begin{gathered} 68.5 \\ (65.7,71.4) \\ \hline \end{gathered}$ | $\begin{gathered} 21.3 \\ (18.6,23.9) \end{gathered}$ | 2013 | lower middle | 0 | 1188892.259 |
| England | $\begin{gathered} 16.2 \\ (12.6,19.7) \end{gathered}$ | 9.5 (5.6,13.3) | $15.5 \pm 0.03$ | $\begin{gathered} 49.4 \\ (40.4,58.3) \end{gathered}$ | $\begin{gathered} 34.9 \\ (29.2,40.5) \end{gathered}$ | $41.5(36,47)$ | $\begin{gathered} 36.7 \\ (31.1,42.4) \end{gathered}$ | 2017 | high | 1 | 5705723.764 |
| Estonia | $\begin{gathered} 22.0 \\ (20.8,23.3) \\ \hline \end{gathered}$ | 5.3 (4.6,6) | $13.9 \pm 0.10$ | $\begin{gathered} 50.9 \\ (49.6,52.2) \\ \hline \end{gathered}$ | $\begin{gathered} 41.9 \\ (40.4,43.4) \\ \hline \end{gathered}$ | $\begin{gathered} 32.9 \\ (31.5,34.3) \\ \hline \end{gathered}$ | $\begin{gathered} 41.9 \\ (40.3,43.5) \\ \hline \end{gathered}$ | 2018 | high | 1 | 117912.1093 |
| Fiji | $\begin{gathered} 29.0 \\ (26.3,31.7) \end{gathered}$ | $\begin{gathered} 62.2 \\ (58.1,66.4) \end{gathered}$ | $15.7 \pm 0.05$ | $\begin{gathered} 52.2 \\ (46.2,58.2) \end{gathered}$ | 64 (61.5,66.4) | $\begin{gathered} 85.9 \\ (84.4,87.4) \end{gathered}$ | $\begin{gathered} 34.5 \\ (31.9,37) \end{gathered}$ | 2016 | upper middle | 1 | 141988.4379 |
| France | 14 (13.2,14.8) | $\begin{gathered} 22.3 \\ (21.1,23.5) \\ \hline \end{gathered}$ | $13.3 \pm 0.08$ | $\begin{gathered} 50.5 \\ (49.3,51.8) \\ \hline \end{gathered}$ | 35.8 (34.6,37) | $\begin{gathered} 38.6 \\ (37.4,39.7) \\ \hline \end{gathered}$ | $\begin{gathered} 29.8 \\ (28.7,31.0) \end{gathered}$ | 2018 | high | 1 | 7400733.236 |
| Georgia | $\begin{gathered} 21.6 \\ (20.0,23.2) \\ \hline \end{gathered}$ | $\begin{gathered} 25.8 \\ (24.1,27.6) \\ \hline \end{gathered}$ | $13.6 \pm 0.12$ | $\begin{gathered} 50.5 \\ (48.6,52.4) \end{gathered}$ | $\begin{gathered} 45.2 \\ (43.2,47.2) \end{gathered}$ | $37(35.1,39)$ | $\begin{gathered} 38.1 \\ (35.6,40.6) \end{gathered}$ | 2018 | lower middle | 0 | 1740694.343 |


| Germany | $\begin{gathered} \hline 19.7 \\ (18.4,21.0) \\ \hline \end{gathered}$ | $\begin{gathered} 13.7 \\ (12.7,14.8) \\ \hline \end{gathered}$ | $13.5 \pm 0.10$ | $\begin{gathered} 52.8 \\ (51.1,54.5) \\ \hline \end{gathered}$ | 38.3 (36.6,40) | $\begin{gathered} 28.2 \\ (26.8,29.7) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 36.1 \\ (34.5,37.7) \\ \hline \end{gathered}$ | 2018 | high | 0 | 7077756.882 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Ghana | 8.1 (6.2,10.0) | $\begin{gathered} 45.4 \\ (42.0,48.7) \\ \hline \end{gathered}$ | $15.7 \pm 0.14$ | $\begin{gathered} 48.8 \\ (45.5,52.1) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 61.6 \\ (58.5,64.7) \\ \hline \end{gathered}$ | $\begin{gathered} 72.2 \\ (69.4,74.9) \\ \hline \end{gathered}$ | $\begin{gathered} 19.8 \\ (17.4,22.3) \\ \hline \end{gathered}$ | 2012 | lower middle | 0 | 5431546.281 |
| Greece | $\begin{gathered} \hline 24.5 \\ (23.2,25.8) \\ \hline \end{gathered}$ | 5.7 (5.0,6.5) | $13.9 \pm 0.11$ | $\begin{gathered} 51.0 \\ (49.4,52.7) \\ \hline \end{gathered}$ | $\begin{gathered} 31.1 \\ (29.5,32.7) \\ \hline \end{gathered}$ | $\begin{gathered} 33.7 \\ (32.2,35.1) \\ \hline \end{gathered}$ | $\begin{gathered} 42.1 \\ (40.6,43.6) \\ \hline \end{gathered}$ | 2018 | high | 0 | 933948.4693 |
| Greenland | $\begin{gathered} 29.2 \\ (25.4,32.9) \end{gathered}$ | $\begin{gathered} 23.8 \\ (20.2,27.3) \\ \hline \end{gathered}$ | $13.4 \pm 0.13$ | $\begin{gathered} 49.2 \\ (45.3,53.1) \\ \hline \end{gathered}$ | $\begin{gathered} 38.3 \\ (34.9,41.8) \\ \hline \end{gathered}$ | $\begin{gathered} 37.7 \\ (34.0,41.4) \\ \hline \end{gathered}$ | $\begin{gathered} 35.4 \\ (31.5,39.3) \\ \hline \end{gathered}$ | 2018 | high | 0 | 6680.974542 |
| Guatemala | $\begin{gathered} 29.9 \\ (23.9,35.9) \\ \hline \end{gathered}$ | $\begin{gathered} 61.4 \\ (57.1,65.8) \\ \hline \end{gathered}$ | $14.4 \pm 0.19$ | $\begin{gathered} 46.9 \\ (43.6,50.2) \end{gathered}$ | $\begin{gathered} 76.7 \\ (72.6,80.8) \\ \hline \end{gathered}$ | $\begin{gathered} 76.7 \\ (73.8,79.6) \\ \hline \end{gathered}$ | $\begin{gathered} 17.3 \\ (14.8,19.8) \end{gathered}$ | 2015 | lower middle | 0 | 3378430.715 |
| Guyana | $\begin{gathered} 15.3 \\ (13.4,17.3) \\ \hline \end{gathered}$ | 71.3 (68,74.5) | $14.3 \pm 0.05$ | $\begin{gathered} 51.9 \\ (49.4,54.4) \\ \hline \end{gathered}$ | $\begin{gathered} 75.2 \\ (72.9,77.5) \\ \hline \end{gathered}$ | $\begin{gathered} 83.2 \\ (81.5,84.8) \end{gathered}$ | $\begin{gathered} 22.5 \\ (19.0,26.0) \end{gathered}$ | 2010 | lower middle | 0 | 155905.2076 |
| Honduras | $\begin{gathered} 18.5 \\ (15.7,21.3) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 73.8 \\ (71.2,76.5) \\ \hline \end{gathered}$ | $13.9 \pm 0.06$ | $\begin{gathered} 53.3 \\ (50.0,56.6) \\ \hline \end{gathered}$ | $\begin{gathered} 67.7 \\ (65.1,70.2) \\ \hline \end{gathered}$ | $\begin{gathered} 68.9 \\ (66.6,71.3) \end{gathered}$ | $\begin{gathered} 21.6 \\ (19.4,23.8) \end{gathered}$ | 2012 | lower middle | 0 | 1813011.063 |
| Hungary | 25.7 (24,27.3) | $\begin{gathered} 24.1 \\ (22.1,26.2) \\ \hline \end{gathered}$ | $13.6 \pm 0.11$ | 53 (51.1,55.0) | $\begin{gathered} 33.1 \\ (31.3,34.8) \\ \hline \end{gathered}$ | $\begin{gathered} 28.5 \\ (26.8,30.2) \\ \hline \end{gathered}$ | $\begin{gathered} 44.8 \\ (42.8,46.8) \\ \hline \end{gathered}$ | 2018 | high | 1 | 879915.6569 |
| Iceland | $\begin{gathered} \hline 19.7 \\ (18.4,21.0) \\ \hline \end{gathered}$ | 3.3 (2.9,3.7) | $13.7 \pm 0.30$ | $\begin{gathered} 50.2 \\ (49.1,51.4) \end{gathered}$ | $\begin{gathered} 41.6 \\ (40.3,42.9) \\ \hline \end{gathered}$ | $\begin{gathered} 36.2 \\ (34.6,37.8) \\ \hline \end{gathered}$ | $\begin{gathered} 55.8 \\ (54.1,57.6) \\ \hline \end{gathered}$ | 2018 | high | 0 | 39260.96913 |
| Indonesia | $\begin{gathered} 15.7 \\ (14.3,17.1) \end{gathered}$ | $\begin{gathered} 27.6 \\ (25.6,29.6) \\ \hline \end{gathered}$ | $14.0 \pm 0.17$ | $\begin{gathered} 52.1 \\ (50.7,53.5) \\ \hline \end{gathered}$ | $\begin{gathered} 63.9 \\ (61.8,66.0) \\ \hline \end{gathered}$ | $\begin{gathered} 82.4 \\ (80.9,83.9) \\ \hline \end{gathered}$ | $\begin{gathered} 16.3 \\ (15.0,17.5) \end{gathered}$ | 2015 | lower middle | 0 | 41380394.6 |
| Iraq | $\begin{gathered} 24.5 \\ (21.7,27.2) \\ \hline \end{gathered}$ | $\begin{gathered} 53.4 \\ (50.8,55.9) \\ \hline \end{gathered}$ | $14.4 \pm 0.09$ | $\begin{gathered} 42.7 \\ (30.7,54.7) \end{gathered}$ | $\begin{gathered} 71.1 \\ (67.8,74.4) \\ \hline \end{gathered}$ | $\begin{gathered} 77.4 \\ (74.7,80.1) \\ \hline \end{gathered}$ | $\begin{gathered} 20 \\ (17.8,22.2) \end{gathered}$ | 2012 | upper middle | 0 | 7827364.61 |
| Ireland | $\begin{gathered} 15.5 \\ (13.3,17.7) \\ \hline \end{gathered}$ | 4.5 (3.3,5.7) | $14.0 \pm 0.12$ | $\begin{gathered} 41.3 \\ (36.8,45.9) \\ \hline \end{gathered}$ | $\begin{gathered} 47.8 \\ (44.7,50.9) \end{gathered}$ | $\begin{gathered} 50.4 \\ (47.2,53.5) \\ \hline \end{gathered}$ | $\begin{gathered} 58.1 \\ (54.8,61.4) \end{gathered}$ | 2018 | high | 1 | 591906.6095 |
| Israel | $\begin{gathered} 19.8 \\ (18.5,21.2) \end{gathered}$ | $\begin{gathered} \hline 25.9 \\ (23.8,28.0) \\ \hline \end{gathered}$ | $13.6 \pm 0.10$ | $\begin{gathered} 48.6 \\ (46.2,51.1) \end{gathered}$ | $\begin{gathered} 47.2 \\ (45.4,48.9) \\ \hline \end{gathered}$ | $\begin{gathered} 54.8 \\ (53.3,56.3) \\ \hline \end{gathered}$ | $\begin{gathered} 28 \\ (26.4,29.6) \end{gathered}$ | 2018 | high | 0 | 1336052.481 |
| Italy | $\begin{gathered} 23.1 \\ (21.5,24.7) \end{gathered}$ | $12.1(11,13.1)$ | $13.7 \pm 0.10$ | $\begin{gathered} 51.4 \\ (49.4,53.3) \\ \hline \end{gathered}$ | 36.6 (35,38.3) | $\begin{gathered} 27.6 \\ (25.9,29.2) \end{gathered}$ | $\begin{gathered} 28.7 \\ (27.1,30.2) \end{gathered}$ | 2018 | high | 0 | 5168629.916 |
| Jamaica | $\begin{gathered} 23.2 \\ (21.3,25.2) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 68.1 \\ (63.5,72.6) \\ \hline \end{gathered}$ | $15.3 \pm 0.14$ | $\begin{gathered} 52.2 \\ (47.2,57.3) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 59.5 \\ (56.2,62.9) \\ \hline \end{gathered}$ | $\begin{gathered} 66.9 \\ (64.3,69.4) \end{gathered}$ | $\begin{gathered} 32.9 \\ (28.6,37.2) \end{gathered}$ | 2017 | upper middle | 0 | 438711.7439 |
| Kazakhstan | 9.8 (8.9,10.7) | 16.8 (15.5,18) | $13.3 \pm 0.10$ | $\begin{gathered} 50.4 \\ (49.1,51.6) \\ \hline \end{gathered}$ | $\begin{gathered} 38.2 \\ (36.5,40.0) \\ \hline \end{gathered}$ | $\begin{gathered} 43.7 \\ (41.8,45.6) \\ \hline \end{gathered}$ | $\begin{gathered} 61.3 \\ (59.7,63.0) \end{gathered}$ | 2017 | upper middle | 0 | 2247337.927 |
| Kiribati | $\begin{gathered} 39.8 \\ (37.1,42.5) \end{gathered}$ | 22.3 (19.5,25) | $14.3 \pm 0.12$ | $\begin{gathered} 52.8 \\ (49.1,56.4) \end{gathered}$ | $54(50.6,57.5)$ | $\begin{gathered} 52.1 \\ (46.6,57.6) \end{gathered}$ | $\begin{gathered} 26.5 \\ (23.8,29.2) \end{gathered}$ | 2011 | lower middle | 0 | 20969.94376 |
| Kuwait | $\begin{gathered} 47.7 \\ (44.3,51.2) \end{gathered}$ | $53.1(47.1,59)$ | $15.2 \pm 0.13$ | 49.7 (30,69.4) | $\begin{gathered} 57.7 \\ (53.7,61.6) \\ \hline \end{gathered}$ | $\begin{gathered} 69.3 \\ (66.7,71.9) \\ \hline \end{gathered}$ | $\begin{gathered} 25.6 \\ (22.3,28.9) \end{gathered}$ | 2015 | high | 0 | 401463.2405 |
| Lao Peoples Democratic Republic | $\begin{gathered} 11.1 \\ (8.6,13.6) \end{gathered}$ | $\begin{gathered} 49.9 \\ (43.4,56.4) \end{gathered}$ | $15.8 \pm 0.10$ | $\begin{gathered} 46.7 \\ (44.4,49.1) \end{gathered}$ | $\begin{gathered} 62.1 \\ (56.7,67.5) \end{gathered}$ | $\begin{gathered} 78.2 \\ (75.1,81.2) \end{gathered}$ | $\begin{gathered} 22.9 \\ (21.1,24.7) \end{gathered}$ | 2015 | lower middle | 0 | 1316947.364 |


| Latvia | 21 (19.8,22.1) | 6.3 (5.6,6.9) | $13.5 \pm 0.10$ | $\begin{gathered} 50.6 \\ (49.2,51.9) \\ \hline \end{gathered}$ | $\begin{gathered} 26.8 \\ (25.4,28.2) \end{gathered}$ | $\begin{gathered} 27.2 \\ (25.8,28.5) \\ \hline \end{gathered}$ | $\begin{gathered} 41.7 \\ (40.2,43.1) \\ \hline \end{gathered}$ | 2018 | high | 1 | 168310.4004 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Lebanon | $\begin{gathered} 25.5 \\ (23.8,27.2) \\ \hline \end{gathered}$ | $\begin{gathered} 46.8 \\ (43.8,49.7) \\ \hline \end{gathered}$ | $14.8 \pm 0.16$ | $\begin{gathered} 54.4 \\ (48.1,60.6) \\ \hline \end{gathered}$ | $\begin{gathered} 75.7 \\ (73.8,77.6) \\ \hline \end{gathered}$ | 74.4 (72,76.8) | $\begin{gathered} 21 \\ (19.2,22.8) \\ \hline \end{gathered}$ | 2017 | upper middle | 0 | 649558.9505 |
| Lithuania | $\begin{gathered} 19.5 \\ (18.2,20.9) \end{gathered}$ | $\begin{gathered} 11.9 \\ (10.7,13.1) \end{gathered}$ | $13.8 \pm 0.19$ | $52.3(50.5,54)$ | $\begin{gathered} 36.4 \\ (34.6,38.2) \\ \hline \end{gathered}$ | 35.3 (33.6,37) | $\begin{gathered} 49 \\ (46.7,51.2) \end{gathered}$ | 2018 | high | 0 | 243625.4801 |
| Luxembourg | 23.6 (22.2,25) | $\begin{gathered} 22.2 \\ (20.8,23.6) \\ \hline \end{gathered}$ | $13.6 \pm 0.08$ | $\begin{gathered} 50.3 \\ (48.4,52.1) \\ \hline \end{gathered}$ | $\begin{gathered} 38.3 \\ (36.8,39.9) \\ \hline \end{gathered}$ | $\begin{gathered} 37.7 \\ (36.1,39.3) \\ \hline \end{gathered}$ | $\begin{gathered} 39.7 \\ (38,41.4) \\ \hline \end{gathered}$ | 2018 | high | 0 | 58844.29994 |
| Macedonia | $\begin{gathered} 29.5 \\ (28.2,30.8) \\ \hline \end{gathered}$ | $\begin{gathered} 28.2 \\ (26.4,30.1) \\ \hline \end{gathered}$ | $13.6 \pm 0.10$ | $\begin{gathered} 51.3 \\ (49.5,53.1) \\ \hline \end{gathered}$ | $\begin{gathered} 44.7 \\ (43.2,46.3) \end{gathered}$ | $\begin{gathered} 46.1 \\ (44.6,47.6) \end{gathered}$ | $\begin{gathered} 56 \\ (54.1,57.9) \end{gathered}$ | 2018 | upper middle | 0 | 214155.9062 |
| Malaysia | $\begin{gathered} 22.9 \\ (22.2,23.6) \end{gathered}$ | 29 (27.8,30.3) | $15.0 \pm 0.02$ | $\begin{gathered} 50.3 \\ (48.7,51.9) \\ \hline \end{gathered}$ | $\begin{gathered} 67.8 \\ (66.7,69.0) \\ \hline \end{gathered}$ | $\begin{gathered} 80.7 \\ (79.8,81.5) \\ \hline \end{gathered}$ | $\begin{gathered} 22.7 \\ (21.7,23.8) \end{gathered}$ | 2012 | upper middle | 1 | 4972035.566 |
| Malta | $\begin{gathered} 36.5 \\ (34.2,38.9) \\ \hline \end{gathered}$ | $\begin{gathered} 23.3 \\ (20.8,25.8) \\ \hline \end{gathered}$ | $13.5 \pm 0.21$ | $\begin{gathered} 50.4 \\ (44.4,56.4) \\ \hline \end{gathered}$ | 39.1 (36,42.2) | $\begin{gathered} 26.4 \\ (23.8,28.9) \\ \hline \end{gathered}$ | $\begin{gathered} 41.7 \\ (38.4,44.9) \\ \hline \end{gathered}$ | 2018 | high | 0 | 36588.72222 |
| Mauritania | $\begin{gathered} 21.6 \\ (16.7,26.6) \end{gathered}$ | $\begin{gathered} 50.6 \\ (46.1,55.1) \end{gathered}$ | $14.8 \pm 0.10$ | $\begin{gathered} 46.5 \\ (40.5,52.4) \end{gathered}$ | $\begin{gathered} 57.4 \\ (53.3,61.5) \\ \hline \end{gathered}$ | $\begin{gathered} 65.5 \\ (60.5,70.5) \end{gathered}$ | $\begin{gathered} 16.8 \\ (12.6,21.1) \end{gathered}$ | 2010 | lower middle | 0 | 688582.4354 |
| Mauritius | $\begin{gathered} 25.2 \\ (23.1,27.3) \\ \hline \end{gathered}$ | $\begin{gathered} 40.6 \\ (38.0,43.2) \\ \hline \end{gathered}$ | $14.9 \pm 0.08$ | $\begin{gathered} 53.8 \\ (39.5,68.1) \\ \hline \end{gathered}$ | $\begin{gathered} 60.1 \\ (57.5,62.7) \\ \hline \end{gathered}$ | 87 (85.2,88.9) | $\begin{gathered} 29.3 \\ (26,32.7) \\ \hline \end{gathered}$ | 2017 | upper middle | 1 | 163526.6326 |
| Mongolia | $\begin{gathered} 10.6 \\ (9.4,11.9) \\ \hline \end{gathered}$ | $\begin{gathered} 33.2 \\ (31.4,35.1) \\ \hline \end{gathered}$ | $14.7 \pm 0.09$ | $\begin{gathered} 51.8 \\ (50.4,53.2) \\ \hline \end{gathered}$ | $\begin{gathered} 39.8 \\ (38.0,41.5) \\ \hline \end{gathered}$ | $\begin{gathered} 75.9 \\ (73.8,78.0) \\ \hline \end{gathered}$ | $\begin{gathered} 36.6 \\ (35.2,38.0) \end{gathered}$ | 2013 | lower middle | 0 | 425563.9716 |
| Morocco | $\begin{gathered} 14.1 \\ (11.7,16.5) \end{gathered}$ | $\begin{gathered} 32.2 \\ (29.9,34.6) \\ \hline \end{gathered}$ | $14.9 \pm 0.25$ | $\begin{gathered} 46.1 \\ (43.9,48.4) \end{gathered}$ | $\begin{gathered} 73.2 \\ (71.1,75.4) \end{gathered}$ | $\begin{gathered} 83.5 \\ (81.8,85.2) \\ \hline \end{gathered}$ | $\begin{gathered} 15.2 \\ (14.2,16.2) \end{gathered}$ | 2016 | lower middle | 1 | 5660831.394 |
| Myanmar | 7.6 (5.2,9.9) | $\begin{gathered} 44.3 \\ (41.5,47.2) \\ \hline \end{gathered}$ | $14.1 \pm 0.11$ | $\begin{gathered} 55.3 \\ (53.7,56.8) \\ \hline \end{gathered}$ | $\begin{gathered} 60.3 \\ (57.6,63.0) \\ \hline \end{gathered}$ | $\begin{gathered} 87.2 \\ (85.3,89.2) \\ \hline \end{gathered}$ | $\begin{gathered} 14.8 \\ (12.7,16.8) \end{gathered}$ | 2016 | low | 0 | 9061844.176 |
| Namibia | 6.5 (4.8,8.1) | $\begin{gathered} 46.6 \\ (43.8,49.3) \\ \hline \end{gathered}$ | $15.9 \pm 0.11$ | 53 (51.3,54.7) | $\begin{gathered} 55.9 \\ (53.2,58.7) \\ \hline \end{gathered}$ | $\begin{gathered} 58.5 \\ (55.3,61.7) \\ \hline \end{gathered}$ | $\begin{gathered} 22.2 \\ (20.4,23.9) \\ \hline \end{gathered}$ | 2013 | upper middle | 0 | 442561.6754 |
| Nepal | 6.4 (4.6,8.3) | $\begin{gathered} 32.9 \\ (29.3,36.4) \\ \hline \end{gathered}$ | $14.4 \pm 0.06$ | $\begin{gathered} 51.3 \\ (49.3,53.3) \\ \hline \end{gathered}$ | $\begin{gathered} 47.5 \\ (44.3,50.7) \\ \hline \end{gathered}$ | $\begin{gathered} 62.3 \\ (59.2,65.4) \\ \hline \end{gathered}$ | $\begin{gathered} 21.2 \\ (17.5,24.8) \end{gathered}$ | 2015 | low | 0 | 6044816.678 |
| Netherlands | 12 (10.9,13.1) | $\begin{gathered} 17.8 \\ (16.4,19.2) \end{gathered}$ | $13.5 \pm 0.10$ | $\begin{gathered} 48.2 \\ (46.4,50.1) \\ \hline \end{gathered}$ | $\begin{gathered} 35.3 \\ (33.5,37.1) \\ \hline \end{gathered}$ | 47.1 (45.3,49) | $\begin{gathered} 51 \\ (49.2,52.8) \\ \hline \end{gathered}$ | 2017 | high | 0 | 1802415.932 |
| Niue | $\begin{gathered} 64.3 \\ (57.0,71.6) \\ \hline \end{gathered}$ | 79.6 (74,85.3) | $14.2 \pm 0.15$ | $\begin{gathered} 42.5 \\ (34.9,50.0) \\ \hline \end{gathered}$ | 60 (52.6,67.4) | $\begin{gathered} 68.5 \\ (61.5,75.6) \\ \hline \end{gathered}$ | $\begin{gathered} 30.7 \\ (23.9,37.5) \\ \hline \end{gathered}$ | 2010 | upper middle | 1 | 235.8615537 |
| Norway | $\begin{gathered} 15.9 \\ (14.3,17.5) \\ \hline \end{gathered}$ | 5.5 (4.6,6.3) | $13.2 \pm 0.12$ | $\begin{gathered} 50.3 \\ (48.6,52.0) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 36.9 \\ (34.8,39.0) \\ \hline \end{gathered}$ | $\begin{gathered} 39.8 \\ (37.6,42.1) \\ \hline \end{gathered}$ | $\begin{gathered} 49.2 \\ (46.8,51.7) \end{gathered}$ | 2018 | high | 1 | 570800.8914 |
| Pakistan | 6.7 (5.6,7.7) | 36 (30.5,41.6) | $14.2 \pm 0.05$ | $\begin{gathered} 38.5 \\ (22.9,54.1) \\ \hline \end{gathered}$ | $\begin{gathered} 67.7 \\ (62.2,73.2) \\ \hline \end{gathered}$ | $\begin{gathered} 90.2 \\ (88.3,92.0) \\ \hline \end{gathered}$ | $\begin{gathered} 15.6 \\ (10.8,20.4) \end{gathered}$ | 2009 | lower middle | 0 | 36924848.63 |
| Paraguay | $\begin{gathered} 25.2 \\ (23.2,27.2) \\ \hline \end{gathered}$ | $\begin{gathered} 59.7 \\ (56.7,62.6) \\ \hline \end{gathered}$ | $14.9 \pm 0.15$ | $\begin{gathered} 51.5 \\ (49.5,53.5) \\ \hline \end{gathered}$ | $\begin{gathered} 71.2 \\ (69.2,73.2) \\ \hline \end{gathered}$ | $\begin{gathered} 84.8 \\ (83.3,86.2) \\ \hline \end{gathered}$ | $\begin{gathered} 27.6 \\ (24.9,30.3) \end{gathered}$ | 2017 | upper middle | 0 | 1180045.519 |


| Peru | $\begin{gathered} 19.9 \\ (17.6,22.2) \end{gathered}$ | $\begin{gathered} 53.5 \\ (50.4,56.6) \\ \hline \end{gathered}$ | $14.4 \pm 0.05$ | 49.1 (44,54.2) | $\begin{gathered} 72.3 \\ (68.9,75.7) \end{gathered}$ | 75.7 (73,78.4) | $\begin{gathered} 24.9 \\ (22.8,27) \\ \hline \end{gathered}$ | 2010 | upper middle | 1 | 5071238.497 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Philippines | 9.2 (7.1,11.3) | $\begin{gathered} 36.9 \\ (34.5,39.4) \\ \hline \end{gathered}$ | $14.6 \pm 0.06$ | $\begin{gathered} 51.4 \\ (48.7,54.2) \end{gathered}$ | 64 (62.6,65.4) | $\begin{gathered} 81.1 \\ (79.7,82.5) \\ \hline \end{gathered}$ | $\begin{gathered} 13 \\ (11.1,14.8) \end{gathered}$ | 2015 | lower middle | 1 | 19272833.13 |
| Poland | 21.3 (20,22.5) | $\begin{gathered} 16.2 \\ (15.1,17.2) \\ \hline \end{gathered}$ | $13.7 \pm 0.09$ | $\begin{gathered} 51.3 \\ (49.9,52.7) \\ \hline \end{gathered}$ | $\begin{gathered} 38.1 \\ (36.7,39.4) \\ \hline \end{gathered}$ | $\begin{gathered} 34.4 \\ (33.2,35.6) \\ \hline \end{gathered}$ | $\begin{gathered} 46.6 \\ (44.7,48.4) \\ \hline \end{gathered}$ | 2017 | high | 1 | 3343911.156 |
| Portugal | 24.8 (23.6,26) | 14 (13.2,14.9) | $13.3 \pm 0.08$ | $\begin{gathered} 52.8 \\ (51.5,54.2) \\ \hline \end{gathered}$ | 47 (45.6,48.3) | 33.9 (32.8,35) | $\begin{gathered} 28.8 \\ (27.6,29.9) \\ \hline \end{gathered}$ | 2018 | high | 1 | 998527.727 |
| Republic of Moldova | $\begin{gathered} 13.4 \\ (12.5,14.4) \\ \hline \end{gathered}$ | 10 (9.1,10.8) | $13.6 \pm 0.11$ | $50(48.7,51.3)$ | $\begin{gathered} 47.9 \\ (46.5,49.4) \\ \hline \end{gathered}$ | $\begin{gathered} 42.8 \\ (41.4,44.2) \end{gathered}$ | $30.5(29,32)$ | 2018 | lower middle | 0 | 361431.0013 |
| Romania | $\begin{gathered} 23.1 \\ (21.7,24.5) \end{gathered}$ | $\begin{gathered} 19.9 \\ (18.2,21.6) \end{gathered}$ | $13.3 \pm 0.11$ | $\begin{gathered} 49.7 \\ (47.7,51.8) \end{gathered}$ | $41.2(39.4,43)$ | $\begin{gathered} 31.8 \\ (30.2,33.5) \\ \hline \end{gathered}$ | $\begin{gathered} 33.1 \\ (31.4,34.8) \\ \hline \end{gathered}$ | 2018 | upper middle | 0 | 1920453.723 |
| Russia | $\begin{gathered} 16.9 \\ (15.7,18.0) \end{gathered}$ | 9.8 (8.9,10.7) | $13.9 \pm 0.09$ | $\begin{gathered} 53.1 \\ (51.5,54.6) \\ \hline \end{gathered}$ | 35.6 (34,37.2) | 34 (32.6,35.4) | $\begin{gathered} 32.8 \\ (31.2,34.4) \\ \hline \end{gathered}$ | 2018 | upper middle | 0 | 13844484.36 |
| Saint Kitts and Nevis | $\begin{gathered} 32.9 \\ (30.7,35.0) \\ \hline \end{gathered}$ | $\begin{gathered} 60.9 \\ (58.7,63.2) \\ \hline \end{gathered}$ | $14.5 \pm 0.03$ | $\begin{gathered} 48.7 \\ (46.4,51.0) \\ \hline \end{gathered}$ | $\begin{gathered} 58.6 \\ (56.3,60.9) \\ \hline \end{gathered}$ | $\begin{gathered} 67.3 \\ (65.1,69.5) \\ \hline \end{gathered}$ | $\begin{gathered} 25.2 \\ (23.2,27.2) \\ \hline \end{gathered}$ | 2011 | upper middle | 0 | 8261.786604 |
| Samoa | $\begin{gathered} 51.8 \\ (49.2,54.4) \\ \hline \end{gathered}$ | $52(49,54.9)$ | $14.1 \pm 0.06$ | $\begin{gathered} 53.9 \\ (49.0,58.8) \\ \hline \end{gathered}$ | $\begin{gathered} 69.9 \\ (68.1,71.7) \\ \hline \end{gathered}$ | $\begin{gathered} 69.9 \\ (67.1,72.6) \\ \hline \end{gathered}$ | $\begin{gathered} 21.5 \\ (19.0,24) \\ \hline \end{gathered}$ | 2011 | upper middle | 1 | 39653.01616 |
| Scotland | $\begin{gathered} 22.2 \\ (19.7,24.6) \\ \hline \end{gathered}$ | 13.2 (11.3,15) | $13.9 \pm 0.16$ | $\begin{gathered} 48.7 \\ (45.9,51.5) \\ \hline \end{gathered}$ | $\begin{gathered} 41.1 \\ (37.2,44.9) \\ \hline \end{gathered}$ | $45.2(41,49.4)$ | $\begin{gathered} 53.2 \\ (50.4,56) \\ \hline \end{gathered}$ | 2018 | high | 1 | 526854.3192 |
| Serbia | $\begin{gathered} 21.9 \\ (20.5,23.3) \\ \hline \end{gathered}$ | 22 (20.5,23.5) | $14.1 \pm 0.12$ | 51.6 (49,54.2) | $\begin{gathered} 41.9 \\ (39.9,43.9) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 41.3 \\ (39.7,42.9) \\ \hline \end{gathered}$ | $\begin{gathered} 57.3 \\ (55.5,59.2) \\ \hline \end{gathered}$ | 2018 | upper middle | 0 | 940230.5774 |
| Seychelles | $\begin{gathered} 27.9 \\ (26.3,29.5) \\ \hline \end{gathered}$ | $\begin{gathered} 69.3 \\ (67.1,71.5) \\ \hline \end{gathered}$ | $14.0 \pm 0.15$ | $\begin{gathered} 51.5 \\ (49.0,53.9) \\ \hline \end{gathered}$ | $\begin{gathered} 76.1 \\ (74.1,78.1) \\ \hline \end{gathered}$ | $\begin{gathered} 75.5 \\ (73.3,77.6) \\ \hline \end{gathered}$ | $25(23,26.9)$ | 2015 | high | 1 | 12587.42131 |
| Slovakia | $\begin{gathered} 21.4 \\ (20.2,22.6) \\ \hline \end{gathered}$ | $\begin{gathered} 21.3 \\ (20.1,22.4) \\ \hline \end{gathered}$ | $13.4 \pm 0.08$ | $\begin{gathered} 48.7 \\ (47.2,50.2) \end{gathered}$ | 41 (39.4,42.5) | $\begin{gathered} 35.8 \\ (34.4,37.2) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 51.5 \\ (49.9,53.1) \\ \hline \end{gathered}$ | 2018 | high | 0 | 483433.8079 |
| Slovenia | $\begin{gathered} 22.2 \\ (21.1,23.3) \\ \hline \end{gathered}$ | 6.1 (5.4,6.7) | $13.6 \pm 0.09$ | $\begin{gathered} 48.8 \\ (46.7,50.8) \\ \hline \end{gathered}$ | $\begin{gathered} 42.7 \\ (41.2,44.3) \\ \hline \end{gathered}$ | $\begin{gathered} 36.9 \\ (35.5,38.3) \\ \hline \end{gathered}$ | $\begin{gathered} 53.3 \\ (51.8,54.9) \\ \hline \end{gathered}$ | 2018 | high | 0 | 170012.3664 |
| Solomon Islands | $21.2(17.5,25)$ | 42 (38.7,45.4) | $14.5 \pm 0.11$ | $\begin{gathered} 47.1 \\ (42.9,51.3) \\ \hline \end{gathered}$ | 67.1 (64,70.2) | $\begin{gathered} 81.4 \\ (79.1,83.8) \\ \hline \end{gathered}$ | $\begin{gathered} 27.9 \\ (25.2,30.7) \end{gathered}$ | 2011 | lower middle | 0 | 111532.0456 |
| Spain | $\begin{gathered} 20.5 \\ (19.3,21.7) \\ \hline \end{gathered}$ | 12.9 (11.8,14) | $13.7 \pm 0.07$ | $\begin{gathered} 50.9 \\ (49.5,52.3) \\ \hline \end{gathered}$ | $\begin{gathered} 37.5 \\ (35.9,39.2) \\ \hline \end{gathered}$ | $\begin{gathered} 27.8 \\ (26.3,29.2) \\ \hline \end{gathered}$ | $\begin{gathered} 49.4 \\ (47.7,51) \\ \hline \end{gathered}$ | 2018 | high | 1 | 4206224.979 |
| Sudan | 9.6 (7.2,12.1) | $\begin{gathered} 38.2 \\ (34.6,41.8) \end{gathered}$ | $14.7 \pm 0.08$ | $\begin{gathered} 47.5 \\ (31.1,63.9) \end{gathered}$ | $\begin{gathered} 53.2 \\ (47.5,58.9) \end{gathered}$ | $\begin{gathered} 70.7 \\ (68.2,73.1) \end{gathered}$ | $\begin{gathered} 11.8 \\ (9.3,14.3) \end{gathered}$ | 2012 | lower middle | 0 | 7452691.443 |
| Suriname | $\begin{gathered} 28.2 \\ (25.6,30.8) \end{gathered}$ | $\begin{gathered} 79.3 \\ (77.6,80.9) \end{gathered}$ | $14.8 \pm 0.16$ | $\begin{gathered} 51.4 \\ (43.2,59.6) \end{gathered}$ | $\begin{gathered} 72.1 \\ (70.5,73.7) \end{gathered}$ | $\begin{gathered} 88.1 \\ (86.5,89.7) \end{gathered}$ | $\begin{gathered} 24.2 \\ (21.6,26.7) \end{gathered}$ | 2016 | upper middle | 0 | 88793.74456 |
| Sweden | $\begin{gathered} 18.5 \\ (17.1,20.0) \end{gathered}$ | 4.5 (3.7,5.2) | $13.7 \pm 0.12$ | $\begin{gathered} 50.6 \\ (48.9,52.3) \end{gathered}$ | $\begin{gathered} 26.2 \\ (24.7,27.7) \end{gathered}$ | $44(42.1,45.8)$ | $\begin{gathered} 43.2 \\ (41.3,45.1) \end{gathered}$ | 2017 | high | 0 | 1000975.311 |


| Switzerland | $\begin{gathered} \hline 15.6 \\ (14.8,16.5) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 20.0 \\ (19.0,20.9) \end{gathered}$ | $13.5 \pm 0.06$ | $\begin{gathered} \hline 49.0 \\ (47.9,50.0) \\ \hline \end{gathered}$ | $45.9(44.7,47)$ | $\begin{gathered} \hline 45.8 \\ (44.6,47.1) \\ \hline \end{gathered}$ | $\begin{gathered} 45 \\ (43.7,46.3) \\ \hline \end{gathered}$ | 2018 | high | 0 | 757926.1783 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Syrian Arab Republic | 23 (20.8,25.3) | $\begin{gathered} 30.6 \\ (27.9,33.3) \\ \hline \end{gathered}$ | $13.6 \pm 0.09$ | 49 (40.3,57.7) | 62.7 (59,66.4) | $\begin{gathered} 64.3 \\ (61.7,66.8) \\ \hline \end{gathered}$ | $\begin{gathered} 15.1 \\ (13.2,17) \\ \hline \end{gathered}$ | 2010 | Iower middle | 0 | 4279384.31 |
| Thailand | $\begin{gathered} 17.2 \\ (15.4,18.9) \\ \hline \end{gathered}$ | $\begin{gathered} 55.2 \\ (51.7,58.7) \end{gathered}$ | $14.7 \pm 0.07$ | $54.7(52,57.4)$ | $\begin{gathered} 73.4 \\ (71.5,75.4) \\ \hline \end{gathered}$ | $\begin{gathered} 85.5 \\ (84.4,86.6) \\ \hline \end{gathered}$ | $\begin{gathered} 20.4 \\ (18.5,22.3) \\ \hline \end{gathered}$ | 2015 | upper middle | 1 | 8128903.031 |
| Timor-Leste | 5.5 (3.4,7.5) | $\begin{gathered} 41.5 \\ (39.1,43.9) \\ \hline \end{gathered}$ | $15.9 \pm 0.22$ | $\begin{gathered} 50.1 \\ (48.4,51.7) \\ \hline \end{gathered}$ | $\begin{gathered} 45.4 \\ (43.2,47.5) \\ \hline \end{gathered}$ | $\begin{gathered} 59.7 \\ (57.5,61.9) \\ \hline \end{gathered}$ | $\begin{gathered} 13.2 \\ (11.2,15.1) \end{gathered}$ | 2015 | lower middle | 0 | 277343.3905 |
| Tonga | $\begin{gathered} 56.3 \\ (54.4,58.1) \\ \hline \end{gathered}$ | $\begin{gathered} 59.6 \\ (57.9,61.3) \end{gathered}$ | $14.2 \pm 0.15$ | $\begin{gathered} 49.2 \\ (47.5,50.9) \\ \hline \end{gathered}$ | $\begin{gathered} 71.6 \\ (69.9,73.2) \\ \hline \end{gathered}$ | $\begin{gathered} 76.1 \\ (74.5,77.6) \\ \hline \end{gathered}$ | $\begin{gathered} 32.8 \\ (31.3,34.3) \\ \hline \end{gathered}$ | 2017 | lower middle | 1 | 20486.12263 |
| Trinidad and Tobago | $\begin{gathered} 33.1 \\ (31.3,34.8) \\ \hline \end{gathered}$ | $\begin{gathered} 52.2 \\ (48.7,55.8) \end{gathered}$ | $14.3 \pm 0.06$ | $\begin{gathered} 52.7 \\ (46.3,59.2) \end{gathered}$ | $\begin{gathered} 48.4 \\ (45.7,51.1) \\ \hline \end{gathered}$ | $\begin{gathered} 67.4 \\ (64.9,69.9) \\ \hline \end{gathered}$ | $\begin{gathered} 29.9 \\ (27.7,32.2) \end{gathered}$ | 2017 | high | 0 | 164426.3583 |
| Turkey | $\begin{gathered} 24.4 \\ (23.1,25.7) \\ \hline \end{gathered}$ | $\begin{gathered} 14.4 \\ (13.4,15.4) \end{gathered}$ | $13.5 \pm 0.10$ | $51.2(49.4,53)$ | $\begin{gathered} 31.7 \\ (30.2,33.1) \\ \hline \end{gathered}$ | $\begin{gathered} 23.2 \\ (22.1,24.3) \\ \hline \end{gathered}$ | $\begin{gathered} 31.7 \\ (30.1,33.2) \\ \hline \end{gathered}$ | 2019 | upper middle | 0 | 10926920.59 |
| Tuvalu | $50.4(46.9,54)$ | $\begin{gathered} 51.6 \\ (48.1,55.1) \\ \hline \end{gathered}$ | $13.8 \pm 0.07$ | $\begin{gathered} 50.7 \\ (47.2,54.3) \\ \hline \end{gathered}$ | $\begin{gathered} 63.7 \\ (60.3,67.1) \\ \hline \end{gathered}$ | $\begin{gathered} 63.8 \\ (60.4,67.2) \\ \hline \end{gathered}$ | $\begin{gathered} 18.7 \\ (16,21.5) \\ \hline \end{gathered}$ | 2013 | upper middle | 1 | 2028.282948 |
| Ukraine | 16.1 (15.3,17) | $\begin{gathered} 15.1 \\ (14.2,16.0) \end{gathered}$ | $13.5 \pm 0.07$ | $\begin{gathered} 49.8 \\ (48.6,51.1) \\ \hline \end{gathered}$ | $\begin{gathered} 43.6 \\ (42.3,44.8) \\ \hline \end{gathered}$ | $\begin{gathered} 52.5 \\ (51.3,53.7) \\ \hline \end{gathered}$ | $\begin{gathered} 46.3 \\ (45,47.5) \\ \hline \end{gathered}$ | 2018 | lower middle | 0 | 3896328.745 |
| United Arab Emirates | $\begin{gathered} \hline 38.5 \\ (35.8,41.2) \\ \hline \end{gathered}$ | $\begin{gathered} 33.8 \\ (30.1,37.5) \end{gathered}$ | $15.1 \pm 0.12$ | $\begin{gathered} 51.3 \\ (42.1,60.6) \\ \hline \end{gathered}$ | $\begin{gathered} 56.1 \\ (51.6,60.7) \\ \hline \end{gathered}$ | $\begin{gathered} 64.6 \\ (60.7,68.4) \\ \hline \end{gathered}$ | $\begin{gathered} 26.8 \\ (24.7,29) \end{gathered}$ | 2016 | high | 1 | 618051.0185 |
| Vanuatu | $\begin{gathered} 14.2 \\ (11.8,16.6) \\ \hline \end{gathered}$ | $\begin{gathered} 39.4 \\ (36.9,42.0) \\ \hline \end{gathered}$ | $15.1 \pm 0.13$ | $\begin{gathered} 50.9 \\ (48.1,53.7) \end{gathered}$ | 76 (74,77.9) | $\begin{gathered} 77.8 \\ (75.8,79.7) \\ \hline \end{gathered}$ | $\begin{gathered} 22 \\ (18.9,25.2) \end{gathered}$ | 2016 | lower middle | 1 | 53532.54123 |
| Viet Nam | 5.8 (4.0,7.7) | $\begin{gathered} 30.1 \\ (27.1,33.0) \end{gathered}$ | $15.8 \pm 0.11$ | $\begin{gathered} 53.4 \\ (51.7,55.1) \\ \hline \end{gathered}$ | $\begin{gathered} 71.8 \\ (68.3,75.2) \\ \hline \end{gathered}$ | $89.2(88,90.5)$ | $\begin{gathered} 20.4 \\ (18.7,22.2) \end{gathered}$ | 2013 | lower middle | 0 | 12923966.94 |
| Wales | $\begin{gathered} \hline 21.8 \\ (20.5,23.1) \\ \hline \end{gathered}$ | $\begin{gathered} 15.4 \\ (14.0,16.8) \end{gathered}$ | $14.3 \pm 0.13$ | $\begin{gathered} 41.3 \\ (39.5,43.1) \\ \hline \end{gathered}$ | $\begin{gathered} 35.7 \\ (33.8,37.6) \\ \hline \end{gathered}$ | $\begin{gathered} 39.3 \\ (37.4,41.3) \\ \hline \end{gathered}$ | $\begin{gathered} 48.9 \\ (46.7,51.2) \end{gathered}$ | 2017 | high | 1 | 316221.1419 |
| Yemen | $\begin{gathered} 12.1 \\ (9.2,14.9) \\ \hline \end{gathered}$ | $\begin{gathered} 36.1 \\ (30.8,41.4) \end{gathered}$ | $15.1 \pm 0.17$ | $\begin{gathered} 46.8 \\ (38.9,54.7) \\ \hline \end{gathered}$ | $\begin{gathered} 59.1 \\ (53.9,64.3) \\ \hline \end{gathered}$ | $\begin{gathered} 71.1 \\ (67.7,74.4) \\ \hline \end{gathered}$ | $\begin{gathered} 17.7 \\ (15.1,20.3) \\ \hline \end{gathered}$ | 2014 | lower middle | 0 | 5803760.443 |
| USA | $\begin{gathered} 31.6 \\ (29.1,34.2) \\ \hline \end{gathered}$ | $\begin{gathered} 14.9 \\ (13.1,16.8) \end{gathered}$ | $16.0 \pm 0.03$ | $\begin{gathered} 49.7 \\ (48.3,51.1) \end{gathered}$ | $\begin{gathered} 32.7 \\ (30.9,34.6) \\ \hline \end{gathered}$ | $\begin{gathered} 29.3 \\ (27.5,31.1) \\ \hline \end{gathered}$ | $\begin{gathered} 45.2 \\ (43.3,47.2) \\ \hline \end{gathered}$ | 2019 | high | 0 | 38628387.73 |

a, low-income countries, lower-middle-income countries, upper-middle-income countries, and high-income countries.
b, all adolescents in each country.
eTable 4 Country-level analysis of the association between the prevalence of daily soft drink consumption and prevalence of overweight and obesity across 107 countries and regions in the 2009-2017 GSHS, 2017/18 HBSC (Europe), and 2019 YRBS (US) surveys using multivariate linear regression models

|  | Model 1 |  | Model 2 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Coefficient, $\boldsymbol{\beta}$ | P | Coefficient, $\boldsymbol{\beta}$ | P |
| Prevalence of daily soft drink consumption (\%) | 0.25 | <0.001 | 0.37 | <0.001 |
| Mean age (years) | -3.8 | 0.01 | -0.20 | 0.90 |
| Percentage of female students (\%) | 0.28 | 0.32 | 0.26 | 0.33 |
| Prevalence of daily fruit consumption (\%) |  |  | 0.26 | 0.06 |
| Prevalence of daily vegetable consumption (\%) |  |  | -0.37 | 0.001 |
| Prevalence of physical activity (\%) |  |  | 0.11 | 0.31 |
| Year of data collection |  |  | -0.39 | 0.44 |
| Income groups |  |  | 2.96 | 0.06 |
| Soft drink taxes |  |  | 5.72 | 0.009 |
| Adjusted R-square | 20\% |  | 42\% |  |

Model 1 adjusted for the mean age and percentage of female students in each country.
Model 2 adjusted for all variables in model 1 plus the prevalence of daily fruit consumption, prevalence of daily vegetable consumption, prevalence of physical activity, implementation of soft drink taxes (yes/no), income groups (treated as a continuous variable, 1, low-and lower-middle income countries; 2, uppermiddle income countries; 3, high income countries), and year of data collection.
eTable 5 Country-level analysis of the association between the prevalence of daily soft drink consumption and prevalence of overweight and obesity across 102 countries and regions in the 2009-2017 GSHS, 2017/18 HBSC (Europe), and 2019 YRBS (US) surveys using multivariate linear regression models (sensitivity analysis)*

|  | Model 1 |  | Model 2 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Coefficient, $\boldsymbol{\beta}$ | P | Coefficient, $\boldsymbol{\beta}$ | P |
| Prevalence of daily soft drink consumption (\%) | 0.22 | <0.001 | 0.31 | <0.001 |
| Mean age (years) | -3.0 | 0.05 | 0.21 | 0.89 |
| Percentage of female students (\%) | 0.50 | 0.08 | 0.36 | 0.18 |
| Prevalence of daily fruit consumption (\%) |  |  | 0.35 | 0.02 |
| Prevalence of daily vegetable consumption (\%) |  |  | -0.36 | 0.002 |
| Prevalence of physical activity (\%) |  |  | 0.10 | 0.35 |
| Year of data collection |  |  | -0.39 | 0.44 |
| Income groups |  |  | 3.21 | 0.04 |
| Soft drink taxes |  |  | 4.61 | 0.04 |
| Adjusted R-square | 17\% |  | 40\% |  |

*Two countries with the highest prevalence of daily soft drink consumption among school-going adolescents and three countries with the lowest prevalence of daily soft drink consumption were excluded.

Model 1 adjusted for the mean age and percentage of female students in each country.
Model 2 adjusted for all variables in model 1 plus the prevalence of daily fruit consumption, prevalence of daily vegetable consumption, prevalence of physical activity, implementation of soft drink taxes (yes/no), income groups (treated as a continuous variable, 1, low-and lower-middle income countries; 2, uppermiddle income countries; 3 , high income countries), and year of data collection.

