

Supplementary appendix

This appendix formed part of the original submission and has been peer reviewed.
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PM_{2.5} Longitudinal Cohort Study

Data Sources:

Department of Veterans Affairs datasets including inpatient and outpatient medical SAS datasets were used to ascertain patient demographic characteristics, location based on Federal Information Processing Standard (FIPS) county codes, healthcare utilization, and comorbidity information based on Current Procedural Terminology (CPT) codes, and ICD-9-CM diagnostic and procedure codes corresponding to inpatient and outpatient encounters(1-4). The VA Managerial Cost Accounting laboratory results file provided data on outpatient and inpatient serum creatinine measurements and HBA1C, which were collected during routine medical care(1, 2, 5). The VA Vital Status and Beneficiary Identification Records Locator Subsystem (BIRLS) files supplied demographic characteristics and death follow-up through September 30, 2012 (1, 2). The Corporate Data Warehouse (CDW) dataset provided data on body mass index (BMI) and systolic blood pressure, smoking status, angiotensin-converting enzyme inhibitors (ACEIs) / angiotensin receptor blockers (ARBs) and diabetic medication (including oral hypoglycemic agents and insulin) prescription from the Vital Signs, Health Factors, and RX Outpatient domains, respectively. The Census Bureau's Model-based Small Area Income & Poverty Estimates (SAIPE) supplied annual estimates of county level percent in poverty(6). Information on county level population density and population size was obtained from the 2000 Census of Population and Housing(6). Latitude and longitude for ZIP code tabulation area was obtained from the 2000 Census Gazetteer File(7).

Cohort construction:

We selected users of the Veterans Affairs (VA) Healthcare System, using data from the US Department of Veterans Affairs, who had at least one routine blood panel between October 1, 2003 and September 30, 2004, and designated the date of the last blood panel in this time

period as T₀ (n=2 751 717). Participants were limited to those who had data on PM_{2.5} (n=2 628 465), data on all covariates (2 482 737), and no prior history of diabetes (defined by ICD-9 code, diabetes medication prescription, or a HBA1C measurement greater than 6.4%), yielding an analytic cohort of 1 729 108. Cases with missing data were listwise deleted; 4.5% of participants could not be assigned a PM_{2.5}, and of these, 5.5% of participants did not have data on all covariates. Participants were followed until incident diabetes, death or September 30, 2012, whichever occurred first.

Exposure Assessment

The primary predictor variable for analyses was PM_{2.5} concentrations. Cohort participants were assigned the location of residence on the basis of their county information contained in outpatient or inpatient data closest to or at T₀. Using annual monitor and modeled data from the United States Environmental Protection Agency Community Multiscale Air Quality modeled output(8, 9), exposure (in micrograms per cubic meter) was defined as the annual average in year 2004, where a patient's geographic location was designated as location at T₀ (used in baseline models); In all primary analyses, unless otherwise indicated, measures correspond to a 10 µg/m³ increase in PM_{2.5}.(9) PM_{2.5} exposure was additionally categorized into quartiles defined by the county-level distribution. PM_{2.5} was alternatively defined by NASA's Socioeconomic Data and Applications Center (SEDAC) Global Annual PM_{2.5} grids from Moderate Resolution Imaging Spectroradiometer (MODIS), MISRMulti-angle Imaging Spectroradiometer (MISR) and Sea-Viewing Wide Field-of View Sensor (SeaWiFS) aerosol optical depth data through linkage to participant's zip code of residence(10, 11). Further details are provided in the appendix (pp 6-7). Sodium exposure was based on Environmental Protection Agency air monitoring station data. For sodium, a participant's zip code of residence at T₀ was linked to the nearest air monitoring station within 30 miles, as measured using the

haversine formula from the corresponding zip code tabulation area's centroid to the air monitoring station.

Ascertainment of Outcomes

The primary outcome evaluated was time until incident diabetes, defined by ICD-9 code, use of diabetes medication, or a HBA1C measurement greater than 6.4%. Additional outcomes included time until all-cause mortality, as identified in the VA vital status and BIRLS files, and time until lower limb fracture, identified by ICD-9 codes in MedSAS outpatient and inpatient files.

Covariates

Covariates were chosen based upon prior clinical knowledge. Race/ethnicity was categorized as white, black, or other (Latino, Asian, Native American, or other racial/ethnic minority groups). Comorbidities were assigned based on relevant ICD-9-CM diagnostic and procedures codes and CPT codes in the VA Medical SAS datasets using definitions validated for use in VA datasets(12-15). BMI was categorized into underweight (<18.50), normal weight (18.50-24.99), overweight (25.00-29.99), and obese (≥ 30.00). Smoking status was defined as current, former, or never smoker. ACEI/ARB use was defined as use if there were prescriptions for 90 days or greater during the time before T_0 . eGFR was calculated using the four-variable abbreviated CKD Epidemiology Collaboration equation on the basis of age, race, sex, and serum creatinine(16). Number of outpatient eGFR measurements represented the cumulative number of outpatient eGFR values from October 1, 1999 to T_0 . Number of hospitalizations was derived from the cumulative number of inpatient stays lasting a full day or longer from October 1, 1999 to T_0 . Population density and percent in poverty were assigned based on county of residence at T_0 . Number of outpatient visits prior to T_0 consisted of all unique outpatient visits, maximum one per day, from October 1, 1999 to T_0 .

Statistical Analyses

Demographic and clinical characteristics of the overall cohort and by PM_{2.5} quartile are presented as frequency (percent) for categorical variables, and as mean (standard deviation) or median (interquartile range) for continuous variables if normally or non-normally distributed, respectively. Event numbers and incident rates are presented. Cox proportional hazard models were adjusted for covariates as described. In order to account for intra-county correlation, a robust sandwich estimator was used in all analyses.

Sensitivity Analyses

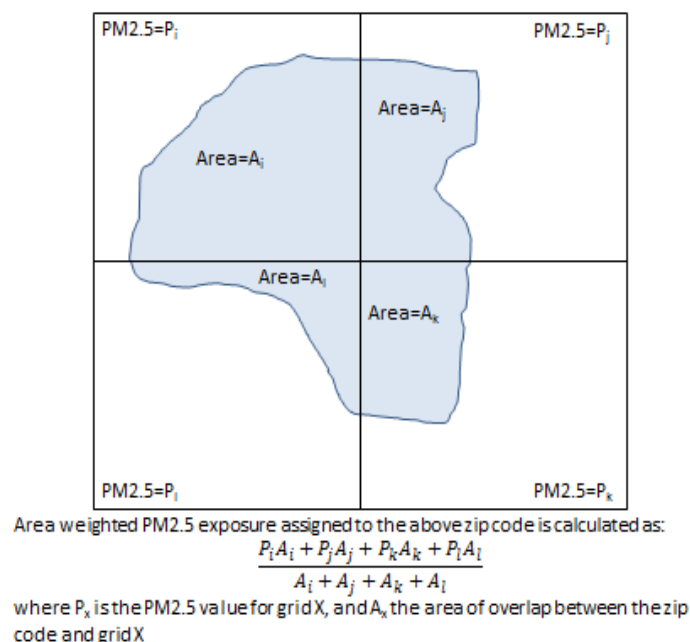
To test robustness of study findings we undertook a number of analyses where we:

1) controlled for county level information in the County Health Rankings dataset(17, 18). A table of the county factors the County Health Rankings datasets contains is included in a subsequent section of the supplemental methods. Counties that did not have data on all county factors were excluded. Due to high collinearity between county variables, a principal component analysis was conducted, and resulting factor scores were controlled for; 2) performed restricted cubic spline analysis in an adjusted Cox proportional hazard regression model with knots placed at PM_{2.5} quartiles(19). One percent of counties at each tail end of the county PM_{2.5} distribution were excluded to reduce influence of potential outliers. The lowest PM_{2.5} value included in analysis, 6.2 µg/m³, was used as the reference. A distribution histogram of PM_{2.5} are included in the background of this graphs; 3) assessed exposure in quartiles; 4) assessed exposure in time varying models, where geographic location was updated as participants moved and average annual exposure was matched to geographic location at any specific time; 5) used The NASA SEDAC Global Annual PM_{2.5} grids fromMODIS, and SeaWiFS aerosol optical depth remote space-borne satellite sensing data(10, 20) as an alternate data source for exposure. The method for assessing exposure is described in a subsequent section of the appendix. Those who could not be assigned an exposure, due to no overlap of satellite coverage in certain highly

watered areas with zip code of residence, were excluded (0.3%); 6) assigned exposure levels on the basis of the nearest air monitoring station within 30, 10, and 5 miles; 7) assessed the relationship between the risk of all-cause mortality and PM_{2.5} as a positive control(21, 22); 8) assessed the relationship between the risk of diabetes and ambient air sodium levels as a negative control(23); and 9) assessed the relationship between ambient air sodium levels and all-cause mortality; and 10) assessed the relationship between risk of lower limb fracture and PM_{2.5}, where there was no prior evidence suggesting an association. As this outcome was also likely highly confounded by interaction with the health care system, number of outpatient visits was additional controlled for. Past history of lower limb fracture was also controlled for.

PM_{2.5} exposure definition for NASA based data

We considered NASA's spaceborne satellite sensors as an additional source to capture ambient PM_{2.5} exposure. NASA's SEDAC Global Annual PM_{2.5} Grids from MODIS, MISR and SeaWiFS Aerosol Optical Depth (AOD) provided the data on PM_{2.5} estimates at the 10x10 km resolution(11, 24). Data is available in three year medians every year from 2003-2011. Patients were censored on Dec 31, 2011 in time varying models. Overlap of 10x10 km resolution PM_{2.5}



grids and zip code's geographic area, resulting in area weighted PM_{2.5} values for each zip code, was used to define exposure levels (as depicted in the figure above).

County Health Rankings(25, 26):

Table: County Health Rankings county level variable definitions and data sources.

Variable	Source	Definition	Years
Demographics			
Population	Census Population Estimates	Number of people in a county	2012
% below 18 years of age	Census Population Estimates	Percentage of the population below 18 years of age	2012
% 65 and older	Census Population Estimates	Percentage of the population 65 or older	2012
% Non-Hispanic African American	Census Population Estimates	Percentage of the population who are Non-Hispanic African American	2012
% American Indian and Alaska Native	Census Population Estimates	Percentage of the population who are American Indian and Alaska Native	2012
% Asian	Census Population Estimates	Percentage of the population who are Asian	2012
% Native Hawaiian/Other Pacific Islander	Census Population Estimates	Percentage of the population who are Native Hawaiian/Other Pacific Islander	2012
% Hispanic	Census Population Estimates	Percentage of the population who are Hispanic	2012
% Non-Hispanic White	Census Population Estimates	Percentage of the population who are Non-Hispanic White	2012
% not proficient in English	American Community Survey, 5-year estimates	Percentage of the population not proficient in the English language	2008-2012
% Females	Census Population Estimates	Percentage of the population who are female	2012

% Rural	Census Population Estimates	Percentage of the population living in a rural area	2012
Physical Environment			
Drinking water violations	Safe Drinking Water Information System	Population affected by a water violation/Total population with public water	FY 2012-2013
Severe housing problems	HUD, Comprehensive Housing Affordability Strategy	Percentage of households with at least 1 of 4 housing problems: overcrowding, high housing costs, or lack of kitchen or plumbing facilities	2006-2010
Driving alone to work	American Community Survey	Percent of people who drive alone to work	2008-2012
Long commute - driving alone	American Community Survey	Among workers who commute in their car alone, the percentage that commute more than 30 minutes	2008-2012
Social and economic factors			
Some college	American Community Survey	Percent adults age 25-44 with some post-secondary education	2008-2012
Unemployment	Bureau of Labor Statistics	Percent of population age 16+ unemployed and looking for work	2012
Children in poverty	Small Area Income and Poverty Estimates	Percent of children (under age 18) living in poverty	2012
Inadequate Social Support	Behavioral Risk Factor Surveillance System	Percent of adults that report not getting social/emotional support	2005-2010
Children in single-parent households	American Community Survey	Percent of children that live in single-parent households	2008-2012
Injury deaths	CDC WONDER	Injury mortality rate per 100,000	2006-2010
Median household income	Small Area Income and Poverty Estimates	Median household income at which half the households earn more and half the households earn less	2012

Children eligible for free lunch	National Center for Education Statistics	Percentage of children enrolled in public schools eligible for free lunch	2011
Homicide rate	National Center for Health Statistics	Number of deaths from assaults per 100,000 population	2004-2010
Health Behaviors			
Adult smoking	Behavioral Risk Factor Surveillance System	Percent of adults that reported currently smoking	2006-2012
Access to exercise opportunities	OneSource Global Business Browser, Delorme map data, ESRI, & US Census Tigerline Files	Percentage of the population with access to places for physical activity	2010 & 2012
Excessive drinking	Behavioral Risk Factor Surveillance System	Percent of adults that report excessive drinking	2006-2012
Alcohol-impaired driving deaths	Fatality Analysis Reporting System	Percent of driving deaths with alcohol involvement	2008-2012
Teen births	National Center for Health Statistics	Teen births / females ages 15-19 * 1,000	2005-2011
Limited access to healthy foods	USDA Food Environment Atlas	Percentage of the population who are low income and do not live close to a grocery store	2010
Motor vehicle crash deaths	National Center for Health Statistics	Number of deaths due to traffic accidents involving a motor vehicle per 100,000 population	2004-2010
Drug poisoning deaths	CDC WONDER mortality data	Number of deaths due to drug poisoning per 100,000 population	2004-2010
Clinical Care			
Uninsured	Small Area Health Insurance Estimates	Percent of population < 65 without insurance	2011
Primary care physicians	HRSA Area Resource Rile	Number of primary care physicians per 100,000 population	2011
Dentists	HRSA Area Resource Rile	Number of dentists per 100,000 population	2012

Mental health providers	CMS, National Provider Identification	Number of mental health providers per 100,000 population	2013
Preventable hospital stays	Medicare/Dartmouth Institute	Discharges for ambulatory care sensitive conditions/Medicare Enrollees * 1,000	2011
Diabetic monitoring	Medicare/Dartmouth Institute	Percent of Diabetic Medicare enrollees receiving HbA1c test	2011
Mammography screening	Medicare/Dartmouth Institute	Percent of female Medicare enrollees having at least 1 mammogram in 2 yrs (age 67-69)	2011
Uninsured adults	Small Area Health Insurance Estimates	Percentage of the population ages 18 to 65 that has no health insurance coverage	2011
Uninsured children	Small Area Health Insurance Estimates	Percentage of the population under age 19 that has no health insurance coverage	2011
Health Care Costs	Dartmouth Atlas of Health Care	Price-adjusted Medicare reimbursements (part A and B) per enrollee	2011
Could not see doctor due to costs	Behavioral Risk Factor Surveillance System	Percentage of the population who could not see a doctor due to costs	2006-2012
Other primary care providers	CMS, National Provider Identification	Number of other primary care providers per the population of a county	2013
Health Outcomes			
Premature death	National Center for Health Statistics	Age-adjusted years of potential life lost (YPLL) rate per 100,000	2008-2010
Poor or fair health	Behavioral Risk Factor Surveillance System	Percent of adults that report fair or poor health (age-adjusted)	2006-2012
Poor physical health days	Behavioral Risk Factor Surveillance System	Average number of reported physically unhealthy days per month	2006-2012

Poor mental health days	Behavioral Risk Factor Surveillance System	Average number of reported mentally unhealthy days per month	2006-2012
Low birthweight	National Center for Health Statistics	Percent of births with low birth weight (<2500g)	2005-2011
Diabetes	National Center for Chronic Disease Prevention and Health Promotion, Division of Diabetes Translation	Prevalence of diagnosed diabetes in a given county	2010
HIV prevalence rate	National Center for HIV/AIDS, Viral Hepatitis, STD, and TB prevention	Number of diagnoses cases of HIV in a county per 100,000 population	2010
Premature age-adjusted mortality	CDC WONDER mortality data	Number of deaths among residents under the age of 75 per 100,000 population	2008-2010
Infant mortality	Health Indicators Warehouse	Number of deaths among children less than one year of age per 100,000 population	2002-2008
Child mortality	CDC WONDER mortality data	Number of deaths among children under age 18 per 100,000 population	2007-2010

Integrated Exposure Response Curve

A literature review was conducted to identify available evidence on the association between PM_{2.5} and diabetes, and active and passive smoking and diabetes for use in the creation of an integrated exposure response curve(27-57). The majority of available evidence has been identified and assessed for quality in recent meta-analyses by He et al.(33) for PM_{2.5}, and Pan et al.(48) for active and passive smoking. Both these studies utilized the Newcastle-Ottawa Quality Assessment Scale(33, 58) in their quality assessment, so this scale was used in the assessment of any additional literature. Studies without scores were assessed by two members of the study team, and discrepancies were addressed through discussion. The Pan et al. study included an additional component into their scale: having smoking as the primary variable. This was removed before incorporation here. Additional literature review focused on PM_{2.5} studies. Information on the studies included may be found in supplemental table 1.

Measure of Burden

Population Attributable Fraction (PAF) and Attributable Burden of Disease (ABD):

The PAF of diabetes due to PM_{2.5} exposure above the theoretical minimum risk exposure level (TMREL) was calculated using an adapted Global Burden of Disease equation¹⁴. The Proportional Hazards based equation for PAF in a country is:

$$PAF = \frac{HR(x) - 1}{HR(x)}$$

where HR(x) is the hazard ratio for PM_{2.5} at the national exposure level, and HR(TMREL) is the hazard ratio for PM_{2.5} at the TMREL. The TMREL was set based on Global Burden of Disease (GBD) studies methodologies, a uniform distribution from 2.4 to 5.9 µg/m³, which represents exposure values between the minimum and fifth percentiles of exposure distributions from outdoor air pollution cohort studies included in the GBD analyses(59). PM_{2.5} levels under the TMREL were treated as contributing no risk(59).

Burden of diabetes attributable to PM_{2.5} above the TMREL, as the number of incident diabetes per year attributable to PM_{2.5} above the TMREL, was calculated using estimates from the 2016 GBD(60), from the equation:

$$ABD = PAF * IR * population$$

where PAF is the population attributable fraction, IR is the incident rate of diabetes, and population those in which the burden is being assessed(61). Results were repeated utilizing the WHO TMREL.

Years Living with Disability (YLD), Years of Life Lost (YLL), and Disability Adjusted Life years (DALYs):

YLD, YLL, and DALY values were estimated by multiplying the diabetes specific GBD values of the corresponding burden measure by the PAF(60, 62). Results were repeated utilizing the WHO TMREL. YLD due to diabetes can be calculated as:

$$YLD = I * DW * R$$

where I is the incident cases of diabetes in the population, DW is the disability weight for diabetes representative of the severity of its impact on a person's life (0, no impact, to 1, the same as death), and R is the average duration of diabetes until remission or death.

Years of Life Lost due to diabetes can be calculated using the equation:

$$YLL = N * L$$

where N is the number of deaths due to diabetes, and L is the difference between age of death and average life expectancy due to diabetes.

Disability Adjusted Life Years due to diabetes is calculated using the equation:

$$DALY = YLD + YLL$$

Measure Estimation and Uncertainty

In order to incorporate the uncertainty in measurements used in our estimation, all measures of burden were generated from a distribution of 10,000 predictions, where the median (95% UI: 2.5th-97.5th percentile) are reported. Predictions incorporated uncertainty by randomly sampling from, unless otherwise specified, constructed normal distributions of the relevant measures. Uncertainty was derived from the TMREL distribution, the uncertainty of the RR from the integrated exposure response curve, and the uncertainty of the incident rates, YLD, YLL and

DALY from the GBD data. While accounting for variability in measures, measures sampled or estimated under zero were set to zero.

Supplemental Data

Supplemental table 1: Demographic and health characteristics of VA cohort

Characteristic	Overall Cohort	PM _{2.5} Quartile 1 5.0-10.1 µg/m ³	PM _{2.5} Quartile 2 10.2-11.8 µg/m ³	PM _{2.5} Quartile 3 11.9-13.6 µg/m ³	PM _{2.5} Quartile 4 13.7-22.1 µg/m ³
Number of Counties	3107	1174	769	770	394
Number of Cohort Participants (%)	1 729 108	446 334 (28.8)	442 939 (25.6)	408 580 (23.6)	431 255 (24.9)
Median Age (IQR)	61.2 (53.5- 71.3)	62.1 (54.4 - 71.6)	61.4 (53.8 - 71.3)	60.7 (53.1 - 71.2)	60.4 (52.4 - 71.2)
Race (%)					
White	1 433 996 (82.9)	401 359 (89.9)	386 829 (87.3)	327 130 (80.1)	318 678 (73.9)
Black	244 011 (14.1)	25 235 (5.7)	44 469 (10.0)	75 127 (18.4)	99 180 (23.0)
Other	51 101 (3.0)	19 740 (4.4)	11 641 (2.6)	6 323 (1.6)	13 397 (3.1)
Gender (Male) (%)	1 630 764 (94.3)	421 514 (94.44)	416 884 (94.1)	385 558 (94.4)	406 808 (94.3)
Cancer (%)	197 312 (11.4)	51 008 (11.4)	50 011 (11.3)	45 581 (11.2)	50 712 (11.8)
Cardiovascular Disease (%)	434 297 (25.1)	109 336 (24.5)	111 834 (25.3)	106 075 (26.0)	107 052 (24.8)
Chronic Lung Disease (%)	334 101 (19.3)	89 268 (20.0)	89 101 (20.1)	78 248 (19.2)	77 484 (18.0)
Hyperlipidemia (%)	890 058 (51.5)	234 711 (52.6)	234 202 (52.9)	210 101 (51.4)	211 044 (48.9)
Average Systolic Blood Pressure (SD)	135.3 (15.9)	134.0 (124.5 - 144.0)	135.0 (125.3 - 144.8)	134.7 (124.5 - 144.9)	134.7 (124.5 - 145.0)
Peripheral Artery Disease (%)	34 504 (2.0)	9304 (2.1)	8492 (1.9)	8366 (2.1)	8342 (1.9)
Smoking Status (%)					
Current	471 645 (27.3)	109 780 (24.6)	122 546 (27.7)	115 058 (28.2)	12 4261 (28.8)
Former	340 413 (19.7)	85 092 (19.1)	87 877 (19.8)	77 032 (18.9)	90 412 (21.0)
Never	917 050 (53.0)	251 462 (56.3)	232 516 (52.5)	216 490 (53.0)	216 582 (50.2)
Body Mass Index (%)					
Underweight	21 858 (1.3)	5003 (1.1)	5332 (1.2)	5624 (1.4)	5899 (1.4)
Normal weight	398 213 (23.0)	99 650 (22.3)	99 064 (22.4)	95 020 (23.3)	104 479 (24.2)
Overweight	720 799 (41.7)	188 665 (42.3)	184 964 (41.8)	169 001 (41.4)	178 169 (41.3)
Obese	588 238 (34.0)	153 016 (34.3)	153 579 (34.7)	138 935 (34.0)	142 708 (33.1)
ACEI / ARB use (%)	623 519 (36.1)	160 572 (36.0)	160 034 (36.1)	149 178 (36.5)	153 735 (35.7)
Median County Particulate Matter 2.5 (IQR) (µg/m³)	11.8 (10.1 - 13.6)	9.1 (8.2 - 9.8)	11.1 (1.07 - 11.4)	12.7 (12.3 - 13.1)	15.0 (14.3 - 16.1)

Median Air Sodium* (IQR) ($\mu\text{g}/\text{m}^3$)	0.053 (0.039 - 0.084)	0.043 (0.030 - 0.078)	0.064 (0.043 - 0.112)	0.058 (0.041 - 0.076)	0.051 (0.039 - 0.082)
Median Follow-up Time (IQR) (years)	8.5 (8.1 - 8.8)	8.5 (8.1 - 8.8)	8.5 (8.1 - 8.8)	8.5 (8.1 - 8.8)	8.5 (8.1 - 8.8)
Death During Follow-up (%)	368 387 (21.31)	93 146 (20.87)	84 412 (21.31)	87 575 (21.43)	83 254 (21.62)
Average eGFR at T₀ (SD) (ml/min/1.73m²)	77.6 (19.2)	75.7 (18.1)	77.4 (18.9)	77.7 (19.4)	79.9 (20.4)
Median Number of Outpatient eGFR Measures Before T₀ (IQR)	4 (2 - 6)	4 (2 - 7)	4 (2 - 6)	4 (2 - 6)	3 (2 - 6)
Number With 1 or More Hospitalizations (%)	256 270 (14.8)	63551 (14.2)	63986 (14.5)	61364 (15.0)	67369 (15.6)
Lower Limb Fracture (%)	96 165 (5.6)	24 631 (5.5)	24111 (5.4)	22748 (5.6)	24675 (5.7)
Mean County Percent in Poverty (%) (SD)	12.9 (10.2 - 15.6)	11.7 (10.1 - 15.0)	13.2 (10.6 - 15.6)	13.7 (10.3 - 17.0)	13.1 (10.6 - 15.6)
Median Population Density (IQR) (per square mile)	248.0 (72.7 - 910.0)	79.8 (26.3 - 417.4)	182.7 (62.8 - 434.6)	284.5 (89.6 - 1134.6)	670.0 (259.3 - 2344.2)
Covariates as measured at T ₀ . PM _{2.5} , particulate matter <2.5 μm in aerodynamic diameter; N, sample size; IQR, inter-quartile range; ACEI, angiotensin-converting enzyme inhibitors; ARB, angiotensin receptor blockers; SD, standard deviation; eGFR, estimated glomerular filtration rate; CI, 95% confidence interval In a subcohort within 30 miles of an air monitoring station that measures sodium (n=1 368 122)					

Supplemental Table 2: Risk of diabetes for every 10 $\mu\text{g}/\text{m}^3$ increase in $\text{PM}_{2.5}$

Measure	Maximum Distance to Nearest Monitoring Station		
	30 miles	10 miles	5 miles
Sample Size	1305611	786710	434357
Hazar Ratio (95% CI)	1.18 (1.15-1.22)	1.13 (1.10-1.17)	1.12 (1.07-1.17)
All models adjusted for age, race, gender, eGFR, systolic blood pressure, hyperlipidemia, chronic lung disease, cardiovascular disease, cancer, body mass index, smoking status, angiotensin-converting enzyme inhibitor / angiotensin receptor blocker use, percent in poverty of county of residence, population density of county of residence, number of hospitalizations prior to beginning of follow-up, and number of serum creatinine measurements prior to beginning of follow-up. $\text{PM}_{2.5}$, Fine particulate matter $<2.5 \mu\text{m}$			

Supplemental Table 3: Summary of studies included in the integrated exposure response curve.

Reference (Year)	Location	Study Design	Sample Size	Time of follow-up	Exposure Source	Exposure Range	Outcome	Adjustment	Reference or Unit of Increase	RR (CI)	Quality
Brook (2013)(27)	Canada	Prospective cohort	2 145 400	1991-2001	PM _{2.5}	8.7 (3.9) $\mu\text{g}/\text{m}^3$	Type 2 diabetes mellitus	High school diploma, adults with low income cut-off quintile, and adults unemployed determined at both the census divisions and census tracts levels	Per 10 $\mu\text{g}/\text{m}^3$	1.49 (1.37, 1.62)	6
Chen H (2013)(28)	Ontario, Canada	Prospective cohort	62 012	1996-2010	PM _{2.5}	Mean 10.6 (range 2.6–19.1) $\mu\text{g}/\text{m}^3$	Type 2 diabetes mellitus	Age, sex, body mass index, education, race/ethnicity, household income adequacy, physical activity, smoking, and annual mean concentration of PM _{2.5}	Per 10 $\mu\text{g}/\text{m}^3$	1.11 (1.02, 1.21)	9
Coogan PF (2012)(30)	Los Angeles, USA	Prospective cohort	3992	1995-2005	PM _{2.5}	20.7 (2.10) $\mu\text{g}/\text{m}^3$	Type 2 diabetes mellitus	Age, body mass index, income, number of people in the household, history of diabetes mellitus, smoking, h/week of vigorous physical activity, and neighborhood socioeconomic status score in quintiles	Per 10 $\mu\text{g}/\text{m}^3$	1.63 (0.78, 3.44)	8
Puett RC (2011) NHS17(51)	Northeastern and Midwestern, USA	Prospective cohort	74 412	1989-2002	PM _{2.5}	17.5 (2.7) $\mu\text{g}/\text{m}^3$	Type 2 diabetes mellitus	Age, season, calendar year, state of residence, time-varying cigarette smoking, time-varying hypertension, baseline body mass index, time-varying alcohol intake, baseline physical activity, and time-varying diet	Per 10 $\mu\text{g}/\text{m}^3$	1.05 (0.87, 1.22)	9

Puett RC (2011) HPFS17(51)	Northeastern and Midwestern, USA	Prospective cohort	15 048	1989-2002	PM _{2.5}	18.3 (3.1) µg/m ³	Type 2 diabetes mellitus	Age, season, calendar year, state of residence, time-varying cigarette smoking, time-varying hypertension, baseline body mass index, time-varying alcohol intake, baseline physical activity, and time-varying diet	Per 10 µg/m ³	1.18 (0.81, 1.71)	9
Hansen (2017)(31)	Denmark	Prospective cohort	24 174	1993-2013	PM _{2.5}	18.1 (2.8)	All diabetes	Age, calendar time, smoking status, smoking intensity, physical activity, alcohol consumption, fatty meat consumption, fruit and vegetables consumption, hypertension, myocardial infarction, employment status, marital status and body mass index	Per 10 µg/m ³	1.40 (1.07, 1.90)	7
Honda (2017)(35)	USA	Prospective cohort	4121	5	PM _{2.5}	10.4 (3.0)	Type 1 and type 2 diabetes mellitus	Body mass index, age, sex, race, education, current and historical tobacco use, geographic region of residence (indicator variables for five regions), one of six levels of urbanicity, physical activity and for neighborhood socioeconomic status using census tract data on median house-hold income and percent of households living below the poverty line	Per 10 µg/m ³	2.16 (1.16, 2.98)	6

Bowe (this manuscript)	USA	Longitudinal cohort	1 729 108	8.5 (8.1, 8.8)	PM _{2.5}	11.8 (IQR 10.1, 1.36)	Type 2 diabetes mellitus	Age, race, gender, eGFR, systolic blood pressure, hyperlipidemia, chronic lung disease, cardiovascular disease, cancer, body mass index, smoking status, angiotensin-converting enzyme inhibitor / angiotensin receptor blocker use, percent in poverty of county of residence, population density of county of residence, number of hospitalizations prior to beginning of follow-up, and number of serum creatinine measurements prior to beginning of follow-up	Per 10 µg/m ³	1.15 (1.08, 1.22)	8
Kawakami (1997)(39)	Japan	Prospective cohort	2312	7.9	Active Smoking	1-15 cigarettes/d	Type 2 diabetes mellitus	Age, education, work shift, occupation, body mass index, alcohol drinking, leisure-time physical activity, and family history of diabetes	Never smoker	1.13 (0.30-4.26)	6
						16-25 cigarettes/d				3.27 (1.18-9.09)	
						≥26 cigarettes/d				3.21 (1.05-9.83)	
Wannamethee (2001)(56)	UK	Prospective cohort	7124	16.8	Active Smoking	1-19 cigarettes/d	Type 2 diabetes mellitus	Age, body mass index, physical activity, alcohol intake, social class, indication of pre-existing chronic heart disease (undiagnosed), and antihypertensive treatment	Never smoker	1.79 (1.20-2.68)	8
						≥20 cigarettes/d				1.71 (1.19-2.45)	

Patja (2005) (50)	Finland	Prospective cohort	41 372	21	Active Smoking	1-19 cigarettes/d	Type 2 diabetes mellitus	Age, study year, education, body mass index, systolic blood pressure, coffee consumption (0–2, 3–4, 5–6, 7–9, and ≥10 cups per day), alcohol consumption (yes and no), occupational (light, moderate or active) and leisure time (low, moderate or high) physical activity, and sex	Never smoker	1.30 (1.15-1.47)	7
						≥20 cigarettes/d				1.65 (1.45-1.89)	
Hur (2007) (38)	Korea	Prospective cohort	27 635	8	Active Smoking	1-9 cigarettes/d	Type 2 diabetes mellitus	Age, baseline fasting serum glucose, weight change, baseline body mass index, family history of diabetes, alcohol consumption and exercise status	Never smoker	1.23 (0.86-1.77)	5
						10-19 cigarettes/d				1.60 (1.28-2.00)	
						≥20 cigarettes/d				1.75 (1.35-2.27)	
Nagaya (2008)(45)	Japan	Prospective cohort	16 829	7.4	Active Smoking	1-19 cigarettes/d	Type 2 diabetes mellitus	Age, drinking, exercise, and education	Never smoker	0.95 (0.77-1.77)	5
						≥20 cigarettes/d				1.24 (1.02-1.49)	
Park (2008)(49)	Korea	Prospective cohort	1717	4 (max)	Active Smoking	1-9 cigarettes/d	Type 2 diabetes mellitus	Age, body mass index, alcohol consumption, physical exercise, family history of diabetes, fasting plasma glucose, and	Never smoker	1.47 (0.71-3.04)	5
						10-19 cigarettes/d				1.84 (0.92-3.04)	

						≥20 cigarettes/d		hemoglobin level at the beginning of the study		1·87 (1·13-3·67)	
Cho (2009)(29)	Korea	Prospective cohort	3048	4 (max)	Active Smoking	1-19 cigarettes/d	Type 2 diabetes mellitus	Age, family history of DM, rural or urban area, waist, body fat, total pack year, exercise, alcohol drinking, income, education, WBC, HDL cholesterol, triglyceride, ALT, hs- CRP, systolic BP, HOMA-IR, and HOMA- beta	Never smoker	2·06 (1·35-3·16)	6
						≥20 cigarettes/d				2·41 (1·48-3·93)	
Laaksonen (2009)(42)	Finland	Prospective cohort	8627	10 (max)	Active Smoking	1-29 cigarettes/d	Type 2 diabetes mellitus	Age and sex	Never smoker	1·29 (0·88-1·90)	5
						≥30 cigarettes/d				4·34 (2·29-8·22)	
Östenson (2012)(47)	Sweden	Prospective cohort	1862	10 (max)	Active Smoking	1-15 cigarettes/d,	Type 2 diabetes mellitus	Age, body mass index, glucose tolerance at baseline, physical activity, alcohol consumption, socioeconomic position, family history of diabetes, and snus use	Never smoker	0·8 (0·3-2·1)	7
						≥16 cigarettes/d,				2·4 (1·0-5·8)	
Teratani (2012)(55)	Japan	Prospective cohort	8423	4·4	Active Smoking	1-10 cigarettes/d	Type 2 diabetes mellitus	Baseline age, body mass index, mean arterial pressure, total	Never smoker	0·84 (0·51-1·38)	6

						11-20 cigarettes/d		serum cholesterol, aspartate aminotransferase, creatinine and uric acid, shift work or day work, and habitual exercise		1.26 (1.00-1.59)	
						≥21 cigarettes/d				1.54 (1.20-1.97)	
Hilawe (2015)(34)	Japan	Prospective cohort	3338	9.6	Active Smoking	1-19 cigarettes/d	Type 2 diabetes mellitus	Age, sex, physical activity, consumptions of alcohol, sugar and energy, sleep duration/day, family history of diabetes mellitus, mean arterial pressure, body mass index, total cholesterol to high-density lipoprotein cholesterol ratio, log-transformed values of homeostatic model assessment 2– insulin resistance (HOMA2-IR), triglyceride, log- transformed serum adiponectin, C-reactive protein, and leptin levels	Never smoker	1.39 (0.82-2.38)	5
						20-29 cigarettes/d				1.74 (1.14-2.67)	
						≥30 cigarettes/d				2.44 (1.57-3.82)	
Rimm (1995)(53)	USA	Prospective cohort	39 745	5.3	Active Smoking	1-14 cigarettes/d	Type 2 diabetes mellitus	Age (5-year age groups), body mass index (deciles), family history of diabetes, alcohol consumption (seven categories), and quintiles of physical activity	Never smoker	1.37 (0.77-2.34)	6
						15-24 cigarettes/d				2.38 (1.57-3.59)	
						≥25 cigarettes/d				1.94 (1.25-3.03)	

Manson (2000) (44)	USA	Prospective cohort	21 068	12·1	Active Smoking	1-19 cigarettes/d,	Type 2 diabetes mellitus	Age (1-year categories), body mass index (quartiles), physical activity (<1, 1, 2–4, and 5 or more times per week), history of hypertension, history of high cholesterol, parental history of myocardial infarction at age <60, alcohol consumption (<monthly, monthly, weekly, daily), and treatment assignment	Never smoker	1·5 (1·0-2·2)	6
						≥20 cigarettes/d,				1·7 (1·3-2·3)	
Nakanishi (2000)(46)	Japan	Prospective cohort	1266	4·7	Active Smoking	1-20 cigarettes/d	Type 2 diabetes mellitus	Age, body mass index, alcohol consumption, regular physical exercise, family history of diabetes, systolic and diastolic blood pressure, fasting plasma glucose level, total cholesterol level, high-density lipoprotein cholesterol level, triglyceride level, uric acid level, and hematocrit at study entry	Never smoker	1·88 (0·71-5·00)	6
						21-30 cigarettes/d				3·02 (1·15-7·94)	
						≥31 cigarettes/d				4·09 (1·62-10·29)	
Zhang (2011)(57)	USA	Prospective cohort	100 526	24 (max)	Active Smoking	1-14 cigarettes/d,	Type 2 diabetes mellitus	Adjusted for age, race, body mass index (continuous body mass index and quadratic body mass index), physical activity, husband's education, family history of diabetes, total energy intake, and intake of alcohol, magnesium, calcium, vitamin D, total	Never smoker	1·39 (1·17-1·64)	7
						15-24 cigarettes/d,				1·68 (1·43-2·01)	
						≥25 cigarettes/d,				1·98 (1·57-2·36)	

								trans fat, fiber from cereal, caffeine, total fat, and saturated fat			
Rasouli (2013)(52)	Norway	Prospective cohort	90 819	10·7	Active Smoking	1-19 cigarettes/d	Type 2 diabetes mellitus	Age, sex, body mass index, education, and physical activity	Never smoker	1·04 (0·93-1·16)	5
						≥20 cigarettes/d				1·32 (1·11-1·56)	
Shi (2013)(54)	China	Prospective cohort	51 464	5·4	Active Smoking	1-10 cigarettes/d	Type 2 diabetes mellitus	Age at interview, energy intake, smoking, alcohol consumption, education level, occupation, income level, hypertension, family history of diabetes, body mass index, and waist/hip ratio	Never smoker	0·99 (0·84-1·17)	6
						11-20 cigarettes/d				1·07 (0·92-1·24)	
						≥21 cigarettes/d				1·25 (1·00-1·56)	
Houston (2006)(36)	USA	Prospective cohort	4572	15	Passive Smoking	N/A	Type 2 diabetes mellitus	Age, sex, race, years of education, income, health insurance, alcohol intake, total energy intake, diary saturated fat intake, systolic blood pressure, and triglycerides	Never smoker + no ETS exposure	1·35 (1·06-1·71)	8
Hunt (2006)(37)	USA	Prospective cohort	2371	NA	Passive Smoking	N/A	Type 2 diabetes mellitus	Age, sex, body mass index, race, years of education, personal smoking status, and family history of diabetes	Never smoker + no ETS exposure	1·09 (0·72-1·67)	5
Hayashino (2008)(32)	Japan	Prospective cohort	6498	3·4	Passive Smoking	N/A	Type 2 diabetes mellitus	Age, sex, body mass index, physical activity, alcohol intake, hypertension, intervention group, dietary intake of	Never smoker + no ETS exposure	1·20 (0·54-2·68)	4

								sweetened beverages and vegetable, and family history of diabetes			
Kowall (2010)(41)	Germany	Prospective cohort	885	7	Passive Smoking	N/A	Type 2 diabetes mellitus	Age, sex, waist circumference, socioeconomic status, physical activity, alcohol intake, family history of diabetes, intake of meat and sausage, salad and vegetables, whole-grain bread, and coffee consumption, blood pressure, hypertriglyceridemia, adiponectin, insulin, and HDL-cholesterol	Never smoker + no ETS exposure	2.40 (1.00-5.90)	7
Ko (2011)(40)	Korea	Prospective cohort	4244	5.1	Passive Smoking	N/A	Type 2 diabetes mellitus	Age, sex, residential area, education level, waist circumference, physical activity, alcohol intake, hypertension history, baseline total cholesterol, and HOMA-IR, and glucose tolerance status	Never smoker + no ETS exposure	1.41 (1.16-1.70)	5
Zhang (2011)(57)	USA	Prospective cohort	100 526	24 (max)	Passive Smoking	N/A	Type 2 diabetes mellitus	Age, body mass index, body mass index ² , race, physical activity, alcohol intake, husband's education, family history of diabetes, total energy intake, and intake of magnesium, calcium, vitamin D, total trans fat, cereal fiber, caffeine, total fat, and saturated fat	Never smoker + no ETS exposure	1.12 (1.02-1.23)	7

Lajous (2013)(43)	France	Prospective cohort	37 343	12·5	Passive Smoking	N/A	Type 2 diabetes mellitus	Education, body mass index, physical activity, alcohol intake, parental history of diabetes, body silhouette at age 8, childhood secondhand smoke exposure, hormone replacement therapy, treated hypertension and hypercholesterolemia, total energy intake, intake of processed red meat, coffee consumption	Never smoker + no ETS exposure	1·16 (1·00-1·34)	7
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OGTT, oral glucose tolerance test; HOMA-IR, homeostasis model assessment for insulin resistance; HOMA-b, homeostasis model assessment for beta cell functions; ALT, alanine aminotransferase; HDL, high density lipoprotein; WBC, white blood cell; ETS, environmental tobacco smoke

Supplemental Table 4: Country characteristics and attributable burden (ABD) of incident diabetes due to PM_{2.5}

Country	Population (in 100 000s)	PM _{2.5} (µg/m ³)	ABD (in 1000s)	ABD (per 100 000)	Age Standardized ABD (per 100 000)
Global	73 710·68	42·3	3002·9 (2208·6-3798·9)	40·6 (29·9-51·4)	40·4 (29·7-51·0)
Afghanistan	326·08	46·1	16·4 (12·1-20·7)	49·0 (36·1-62·1)	80·3 (58·9-102·3)
Albania	28·96	17·1	0·5 (0·3-0·6)	15·6 (10·4-21·2)	13·9 (9·2-18·7)
Algeria	396·35	30·9	21·2 (15·0-27·7)	52·6 (37·3-68·6)	57·9 (40·9-75·7)
American Samoa	0·83	3·7	0·0 (0·0-0·1)	0·0 (0·0-119·3)	0·0 (0·0-132·1)
Andorra	0·79	9·7	0·0 (0·0-0·0)	23·4 (13·8-33·4)	16·9 (10·0-24·2)
Angola	252·51	29·1	4·8 (3·4-6·2)	18·5 (13·1-24·1)	32·9 (23·3-42·8)
Antigua and Barbuda	0·92	12·8	0·0 (0·0-0·1)	53·2 (34·0-72·8)	48·2 (30·9-65·4)
Argentina	434·13	13	12·5 (8·0-16·9)	28·6 (18·4-38·7)	28·4 (18·3-38·4)
Armenia	30·08	21·2	1·0 (0·7-1·4)	34·5 (23·8-45·2)	29·6 (20·5-38·7)
Australia	243·22	5·8	4·4 (0·0-7·7)	18·4 (0·0-32·0)	15·0 (0·0-26·0)
Austria	86·7	16·7	2·5 (1·6-3·3)	28·3 (18·9-37·9)	20·2 (13·5-27·0)
Azerbaijan	97·82	25·6	2·8 (1·9-3·7)	28·2 (19·6-37·2)	26·5 (18·5-34·8)
Bahrain	13·67	54·4	1·7 (1·3-2·2)	124·3 (91·5-159·1)	136·8 (101·7-172·7)
Bangladesh	1609·58	87	69·8 (53·4-86·5)	43·1 (33·0-53·5)	48·6 (37·2-60·2)
Barbados	2·84	14·1	0·2 (0·1-0·3)	69·3 (45·2-93·2)	55·5 (36·3-74·5)
Belarus	96·12	17·9	2·1 (1·4-2·9)	22·3 (14·9-30·1)	17·8 (11·9-24·1)
Belgium	113·33	15·3	3·0 (2·0-4·1)	26·4 (17·3-35·7)	19·9 (13·1-26·8)
Belize	3·59	23·2	0·2 (0·1-0·2)	49·8 (34·7-65·2)	64·0 (44·7-83·2)
Benin	109·14	29·1	2·0 (1·4-2·6)	17·6 (12·5-22·7)	27·4 (19·4-35·4)
Bermuda	0·67	8·5	0·0 (0·0-0·0)	32·0 (18·3-45·7)	30·8 (17·6-44·0)
Bhutan	7·75	54·1	0·4 (0·3-0·5)	47·2 (34·9-60·2)	52·9 (39·2-67·3)
Bolivia	107·67	27·1	3·1 (2·2-4·1)	28·2 (19·8-36·8)	34·8 (24·4-45·6)
Bosnia and Herzegovina	38·11	45·3	1·9 (1·4-2·4)	49·1 (36·0-62·5)	36·1 (26·6-45·8)
Botswana	22·59	15·4	0·9 (0·6-1·2)	40·2 (26·5-54·1)	54·4 (35·9-73·2)
Brazil	2078·47	11·1	49·8 (31·0-68·6)	23·7 (14·8-32·7)	23·6 (14·7-32·5)

Brunei	4·23	5	0·1 (0·0-0·4)	24·6 (0·0-86·1)	23·1 (0·0-80·9)
Bulgaria	72·68	27·5	2·5 (1·8-3·3)	35·2 (24·8-45·9)	25·7 (18·1-33·5)
Burkina Faso	180·94	33·6	3·1 (2·2-4·0)	16·7 (12·0-21·4)	28·1 (20·2-36·1)
Burundi	112·47	37·1	1·9 (1·4-2·4)	16·1 (11·7-20·6)	28·7 (20·9-36·8)
Cambodia	155·92	23·9	4·7 (3·2-6·1)	29·2 (20·4-38·2)	34·6 (24·0-45·6)
Cameroon	234·01	64	5·9 (4·4-7·4)	24·6 (18·5-30·8)	39·5 (29·6-49·6)
Canada	361·46	7	12·1 (6·1-18·0)	33·2 (16·8-49·7)	24·9 (12·6-36·9)
Cape Verde	5·2	35·2	0·1 (0·1-0·2)	24·1 (17·4-30·9)	32·0 (23·1-41·1)
Central African Republic	49·03	38·3	1·2 (0·9-1·6)	24·6 (17·9-31·5)	36·2 (26·2-46·5)
Chad	140·63	39·6	2·2 (1·6-2·9)	15·5 (11·3-19·8)	27·3 (19·8-35·1)
Chile	179·48	20·6	5·1 (3·5-6·8)	28·1 (19·1-37·7)	24·5 (16·7-32·7)
China	13 834·71	57·2	600·3 (447·2-757·3)	43·9 (32·7-55·4)	37·1 (27·8-46·6)
Colombia	482·64	17·6	13·4 (9·0-17·9)	27·7 (18·6-36·9)	27·6 (18·6-36·7)
Comoros	7·92	16·1	0·1 (0·1-0·2)	17·2 (11·4-23·0)	26·7 (17·8-35·8)
Congo	46·29	42·3	1·3 (0·9-1·6)	27·2 (19·9-34·7)	41·2 (30·0-52·9)
Costa Rica	48·09	19·7	1·4 (1·0-1·9)	29·5 (20·1-39·0)	28·1 (19·2-37·2)
Cote d'Ivoire	226·88	19·8	4·6 (3·1-6·0)	19·8 (13·5-26·0)	30·6 (21·0-40·4)
Croatia	42·41	21·2	1·4 (0·9-1·8)	32·4 (22·2-43·0)	24·2 (16·6-31·9)
Cuba	113·93	16·4	3·7 (2·4-4·9)	32·0 (21·3-43·2)	26·2 (17·5-35·0)
Cyprus	8·92	17·9	0·4 (0·3-0·5)	44·0 (29·9-58·1)	36·2 (24·5-47·7)
Czech Republic	106·97	21	4·5 (3·1-6·0)	42·7 (29·2-56·7)	31·4 (21·5-41·6)
Democratic Republic of the Congo	774·14	38·7	17·4 (12·6-22·2)	21·8 (15·9-27·9)	35·9 (26·1-46·1)
Denmark	57·11	10·7	1·8 (1·1-2·5)	30·9 (19·0-43·2)	22·9 (14·1-31·8)
Djibouti	8·9	39·1	0·2 (0·2-0·3)	23·7 (17·1-30·4)	34·1 (24·6-43·9)
Dominica	0·72	12·5	0·0 (0·0-0·1)	57·3 (36·5-78·3)	55·9 (35·7-76·1)
Dominican Republic	105·3	18·3	2·8 (1·9-3·7)	26·4 (17·9-35·0)	28·8 (19·5-38·2)
Ecuador	161·54	12·5	4·1 (2·6-5·6)	24·9 (16·0-33·8)	28·2 (18·0-38·2)
Egypt	911·48	99·5	55·2 (42·1-69·0)	60·2 (45·9-75·2)	68·6 (52·2-85·8)
El Salvador	61·37	35·5	2·6 (1·9-3·4)	42·9 (30·8-55·2)	45·8 (32·9-59·2)

Equatorial Guinea	8·45	34	0·3 (0·2-0·4)	36·7 (26·2-48·0)	48·1 (34·3-62·6)
Eritrea	52·42	35·3	0·9 (0·7-1·2)	17·8 (12·9-22·8)	31·2 (22·5-40·1)
Estonia	13·54	9·1	0·4 (0·2-0·5)	27·0 (15·8-38·3)	21·4 (12·5-30·4)
Ethiopia	994·32	30·1	18·2 (13·0-23·5)	17·8 (12·7-23·0)	29·7 (21·2-38·3)
Federated States of Micronesia	1·05	6·1	0·1 (0·0-0·1)	81·1 (33·1-127·6)	105·4 (43·1-166·0)
Fiji	8·92	6	1·8 (0·7-2·9)	212·6 (82·5-334·9)	208·2 (80·8-328·2)
Finland	55·5	7·2	1·6 (0·8-2·4)	29·0 (15·0-43·0)	21·6 (11·2-31·9)
France	652·32	12·1	14·2 (9·0-19·6)	21·9 (13·8-30·2)	16·7 (10·5-22·9)
Gabon	17·26	31·3	0·6 (0·4-0·8)	35·0 (25·0-45·3)	48·7 (34·6-63·4)
Georgia	40·04	19·7	1·0 (0·7-1·4)	25·7 (17·5-34·2)	22·0 (15·0-29·2)
Germany	836·28	13·7	31·2 (20·3-42·0)	38·0 (24·8-51·2)	26·5 (17·3-35·6)
Ghana	274·17	21·7	6·5 (4·5-8·5)	22·9 (15·9-30·0)	33·5 (23·2-43·9)
Greece	109·22	13·2	2·2 (1·4-3·0)	20·1 (12·9-27·7)	14·6 (9·3-20·1)
Greenland	0·54	5·2	0·0 (0·0-0·0)	14·5 (0·0-40·7)	11·8 (0·0-33·0)
Grenada	1·07	14	0·1 (0·0-0·1)	58·9 (38·5-79·2)	65·0 (42·5-87·3)
Guam	1·7	6·8	0·1 (0·1-0·2)	77·8 (38·2-117·6)	74·6 (36·6-113·0)
Guatemala	163·55	33·9	7·3 (5·2-9·4)	44·0 (31·7-56·8)	56·9 (40·8-73·3)
Guinea	125·74	19·3	2·0 (1·4-2·6)	15·6 (10·6-20·5)	24·4 (16·6-32·2)
Guinea-Bissau	18·48	26	0·4 (0·3-0·5)	21·7 (15·3-28·1)	33·1 (23·3-43·0)
Guyana	7·7	14·8	0·5 (0·3-0·7)	65·1 (42·7-88·0)	65·1 (43·0-87·1)
Haiti	107·21	22·1	4·1 (2·9-5·4)	37·0 (25·7-48·2)	48·4 (33·6-63·3)
Honduras	80·96	36·2	2·9 (2·1-3·8)	35·0 (25·2-45·2)	42·8 (30·8-55·5)
Hungary	101·68	22·6	3·7 (2·6-5·0)	37·8 (25·9-50·4)	27·9 (19·2-37·2)
Iceland	3·26	7·5	0·1 (0·0-0·1)	19·0 (10·1-27·9)	15·8 (8·4-23·2)
India	13 116·32	72·6	590·5 (447·0-737·1)	44·9 (34·0-56·0)	48·7 (36·9-60·8)
Indonesia	2576·21	15	104·8 (69·1-141·0)	40·6 (26·8-54·7)	41·3 (27·2-55·4)
Iran	790·34	42	44·5 (32·4-57·2)	54·7 (39·8-70·3)	57·8 (42·0-74·3)
Iraq	364·21	45·2	24·2 (17·7-31·0)	61·4 (44·9-78·8)	92·0 (67·4-117·8)
Ireland	47·9	9·6	1·2 (0·7-1·7)	25·4 (14·9-36·5)	20·9 (12·3-30·1)

Israel	80·49	20·7	2·9 (2·0-3·8)	34·9 (24·0-45·9)	34·6 (23·8-45·6)
Italy	627·97	19·5	22·3 (15·2-29·5)	36·8 (25·1-48·7)	25·3 (17·3-33·4)
Jamaica	28·3	16·6	2·1 (1·4-2·8)	74·3 (49·8-98·6)	77·3 (51·9-102·5)
Japan	1283·06	13·1	34·9 (22·2-48·2)	27·7 (17·6-38·4)	21·8 (14·0-29·7)
Jordan	75·71	38	4·4 (3·2-5·7)	56·9 (41·0-73·6)	74·0 (53·3-95·9)
Kazakhstan	175·37	17	3·1 (2·0-4·1)	17·1 (11·4-23·0)	17·3 (11·6-23·2)
Kenya	461·9	15·6	6·2 (4·1-8·4)	13·4 (8·9-18·1)	21·7 (14·3-29·3)
Kiribati	1·13	3·4	0·0 (0·0-0·2)	0·0 (0·0-169·7)	0·0 (0·0-204·8)
Kuwait	39·01	65·7	2·7 (2·0-3·5)	69·6 (51·6-88·6)	72·2 (53·9-91·5)
Kyrgyzstan	58·94	16·1	0·7 (0·5-0·9)	11·7 (7·8-15·7)	13·8 (9·2-18·6)
Laos	67·99	27·9	2·6 (1·8-3·3)	35·4 (25·1-45·8)	47·1 (33·4-61·0)
Latvia	22·12	19·8	0·6 (0·4-0·8)	30·2 (20·5-40·4)	24·2 (16·4-32·3)
Lebanon	57·62	31·8	2·7 (1·9-3·5)	46·5 (33·0-60·8)	46·8 (33·2-61·1)
Lesotho	21·29	18·6	0·9 (0·6-1·1)	39·9 (27·2-52·7)	64·2 (43·7-84·7)
Liberia	45·08	7·4	0·6 (0·3-0·9)	13·9 (7·4-20·3)	21·6 (11·4-31·5)
Libya	62·95	69·4	3·7 (2·7-4·6)	59·4 (44·2-75·5)	62·6 (46·8-79·3)
Lithuania	31·53	18·6	0·6 (0·4-0·8)	20·9 (14·0-28·2)	16·7 (11·3-22·4)
Luxembourg	5·56	16·2	0·2 (0·1-0·2)	31·0 (20·5-42·1)	24·3 (16·1-32·9)
Macedonia	20·78	39·4	1·0 (0·7-1·3)	48·1 (34·8-62·0)	38·0 (27·5-49·0)
Madagascar	241·92	18·7	3·8 (2·6-5·0)	15·2 (10·4-20·2)	24·5 (16·7-32·6)
Malawi	172·14	21·4	2·7 (1·8-3·5)	14·9 (10·3-19·5)	27·6 (19·0-36·3)
Malaysia	302·96	15·1	13·1 (8·6-17·7)	42·7 (28·1-57·5)	43·3 (28·5-58·4)
Maldives	3·63	28·5	0·1 (0·1-0·2)	33·0 (23·3-43·0)	36·8 (26·0-47·9)
Mali	175·68	37·2	2·9 (2·1-3·7)	16·2 (11·8-20·8)	28·1 (20·3-36·0)
Malta	4·18	15·4	0·1 (0·1-0·2)	34·4 (22·6-46·6)	24·6 (16·2-33·2)
Marshall Islands	0·72	9·1	0·2 (0·1-0·3)	255·3 (150·2-358·0)	332·7 (196·5-462·8)
Mauritania	40·85	68·5	1·0 (0·7-1·2)	23·4 (17·6-29·4)	33·2 (24·9-42·0)
Mauritius	12·74	14·4	1·6 (1·1-2·2)	129·3 (85·0-173·4)	106·7 (70·1-143·0)
Mexico	1270·43	19·7	87·0 (59·5-114·8)	67·6 (46·2-89·2)	70·8 (48·5-93·3)
Moldova	40·65	16·7	1·1 (0·7-1·4)	26·3 (17·6-35·4)	22·2 (14·8-29·8)

Mongolia	29·53	22·9	0·4 (0·3-0·5)	13·0 (8·9-17·3)	14·3 (9·9-19·0)
Montenegro	6·26	22·7	0·2 (0·1-0·3)	33·0 (22·8-43·7)	27·3 (18·9-36·0)
Morocco	343·73	22·4	18·4 (12·7-24·3)	54·8 (37·8-72·3)	55·7 (38·5-73·5)
Mozambique	279·91	17	4·3 (2·9-5·8)	15·1 (10·2-20·1)	26·3 (17·6-35·1)
Myanmar	540·27	53	23·1 (17·2-29·1)	42·4 (31·6-53·3)	43·9 (32·7-55·4)
Namibia	24·53	18·6	0·7 (0·5-0·9)	26·9 (18·3-35·5)	40·4 (27·5-53·3)
Nepal	285·51	70·9	11·4 (8·6-14·4)	38·0 (28·6-47·7)	47·4 (35·7-59·8)
Netherlands	171·91	14·3	6·3 (4·1-8·6)	36·9 (24·0-50·2)	26·6 (17·3-36·0)
New Zealand	45·63	5·4	0·5 (0·0-1·1)	10·6 (0·0-24·6)	8·6 (0·0-19·9)
Nicaragua	60·89	23	2·0 (1·4-2·7)	33·3 (23·1-43·5)	38·4 (26·7-50·3)
Niger	198·54	53	3·2 (2·4-4·1)	16·1 (12·0-20·3)	27·3 (20·2-34·5)
Nigeria	1824·9	36·9	24·6 (17·7-31·6)	13·3 (9·6-17·1)	21·1 (15·2-27·1)
North Korea	251·59	27·7	8·4 (5·9-10·9)	31·6 (22·2-41·4)	29·6 (20·9-38·6)
Northern Mariana Islands	1·16	11·3	0·1 (0·1-0·2)	84·4 (52·1-118·3)	97·1 (60·4-134·4)
Norway	51·64	8·9	1·6 (0·9-2·2)	29·6 (17·1-42·2)	23·3 (13·5-33·2)
Oman	44·81	46·7	3·9 (2·8-5·1)	83·4 (60·5-107·8)	96·9 (70·6-124·7)
Pakistan	1890·55	63	112·4 (84·2-141·9)	58·8 (44·1-74·3)	72·6 (54·4-91·8)
Palestine	46·73	20·1	2·0 (1·4-2·7)	39·2 (26·8-51·7)	67·4 (46·1-89·1)
Panama	39·29	12·6	1·4 (0·9-1·9)	34·3 (21·9-46·7)	35·3 (22·6-48·1)
Papua New Guinea	76·33	10·4	5·0 (3·0-7·0)	63·7 (38·8-88·6)	82·1 (50·1-114·5)
Paraguay	66·53	14·3	2·5 (1·6-3·3)	36·7 (24·0-49·2)	43·6 (28·5-58·7)
Peru	313·93	27·1	7·0 (4·9-9·1)	21·7 (15·3-28·2)	23·8 (16·8-30·9)
Philippines	1008·03	22·8	38·3 (26·7-49·9)	37·4 (26·1-48·7)	43·0 (30·0-56·0)
Poland	389·13	23·8	11·6 (8·1-15·2)	30·1 (21·0-39·3)	23·4 (16·3-30·6)
Portugal	108	9·5	3·6 (2·1-5·1)	34·3 (20·4-48·4)	23·7 (14·1-33·3)
Puerto Rico	36·84	16·7	2·5 (1·7-3·3)	67·3 (45·2-89·2)	59·4 (39·9-78·8)
Qatar	22·21	104·2	2·7 (2·0-3·4)	118·0 (87·7-151·2)	139·7 (106·3-175·0)
Romania	195·27	19·2	4·2 (2·8-5·5)	21·4 (14·6-28·5)	16·2 (11·0-21·5)
Russia	1481·18	15·8	36·2 (23·9-49·0)	24·8 (16·3-33·6)	19·9 (13·1-27·0)

Rwanda	116·31	41·3	2·2 (1·6-2·8)	18·2 (13·3-23·3)	31·2 (22·7-40·2)
Saint Lucia	1·85	13·1	0·1 (0·1-0·1)	50·4 (32·6-68·1)	47·0 (30·4-63·5)
Saint Vincent and the Grenadines	1·1	13·2	0·1 (0·1-0·1)	73·5 (47·4-99·4)	71·4 (46·2-96·4)
Samoa	1·94	3·7	0·0 (0·0-0·1)	0·0 (0·0-70·6)	0·0 (0·0-87·9)
Sao Tome and Principe	1·91	12·6	0·0 (0·0-0·0)	11·4 (7·3-15·5)	18·0 (11·5-24·8)
Saudi Arabia	314·35	102·9	18·0 (13·7-22·6)	57·1 (43·4-71·7)	61·3 (46·6-77·1)
Senegal	151·09	36·4	3·1 (2·3-4·0)	20·1 (14·6-25·8)	33·1 (23·9-42·6)
Serbia	88·56	20·8	3·5 (2·4-4·6)	39·9 (27·3-52·9)	30·9 (21·2-41·0)
Seychelles	0·97	12·7	0·0 (0·0-0·1)	40·2 (25·5-55·4)	37·6 (24·0-51·4)
Sierra Leone	64·62	15	1·0 (0·6-1·3)	14·6 (9·7-19·6)	23·2 (15·3-31·2)
Singapore	39·24	17·7	1·3 (0·9-1·8)	33·0 (22·0-44·7)	27·1 (18·1-36·4)
Slovakia	55·55	20·1	1·5 (1·0-2·0)	27·3 (18·4-36·6)	21·0 (14·3-28·1)
Slovenia	20·63	19·9	0·6 (0·4-0·8)	30·2 (20·4-40·6)	22·0 (14·9-29·5)
Solomon Islands	5·86	5·2	0·3 (0·0-0·7)	42·2 (0·0-117·6)	58·5 (0·0-163·0)
Somalia	108·49	16·7	1·7 (1·2-2·3)	16·6 (11·1-22·1)	28·3 (19·0-37·8)
South Africa	537·24	28·9	27·6 (19·6-35·7)	52·4 (37·2-67·6)	61·8 (44·0-79·9)
South Korea	502·83	28·1	28·2 (20·0-36·7)	56·1 (39·7-72·9)	42·6 (30·3-55·1)
South Sudan	122·88	28·4	2·4 (1·7-3·1)	17·5 (12·4-22·6)	30·5 (21·6-39·7)
Spain	487·51	9·6	12·7 (7·5-17·9)	27·2 (16·2-38·4)	19·6 (11·7-27·8)
Sri Lanka	207·48	26·4	13·3 (9·4-17·3)	64·4 (45·5-83·5)	59·0 (41·8-76·4)
Sudan	403·89	42·3	13·6 (9·9-17·4)	34·6 (25·2-44·3)	47·9 (34·9-61·5)
Suriname	5·43	15·2	0·3 (0·2-0·4)	55·9 (36·9-75·2)	55·0 (36·4-73·8)
Swaziland	12·89	17·8	0·6 (0·4-0·9)	48·4 (32·7-64·2)	81·9 (55·2-109·0)
Sweden	98·08	6·1	3·2 (1·3-5·0)	31·9 (13·0-50·6)	24·5 (10·0-38·7)
Switzerland	82·78	12·6	2·3 (1·4-3·1)	27·1 (17·2-37·3)	19·8 (12·6-27·1)
Syria	186·22	35·8	5·8 (4·2-7·5)	31·8 (22·9-41·0)	40·0 (28·7-51·6)
Tajikistan	85·01	41·3	1·4 (1·0-1·8)	16·0 (11·6-20·6)	21·3 (15·4-27·4)
Tanzania	533·73	22	8·2 (5·7-10·7)	15·1 (10·5-19·7)	26·5 (18·3-34·8)
Thailand	678·94	25·8	26·7 (18·7-35·1)	39·6 (27·7-52·0)	32·5 (22·8-42·5)

The Bahamas	3·87	12·6	0·2 (0·1-0·3)	47·6 (30·5-64·6)	43·8 (28·1-59·4)
The Gambia	20·01	39·7	0·3 (0·2-0·4)	14·5 (10·5-18·6)	24·8 (17·9-31·8)
Timor-Leste	11·9	14·4	0·3 (0·2-0·3)	21·7 (14·2-29·4)	29·6 (19·3-40·3)
Togo	73·03	26	1·2 (0·8-1·6)	16·2 (11·4-21·2)	24·8 (17·4-32·4)
Tonga	1·07	3·9	0·0 (0·0-0·1)	0·0 (0·0-102·1)	0·0 (0·0-131·9)
Trinidad and Tobago	13·61	13·1	1·6 (1·0-2·2)	121·0 (78·2-163·5)	102·5 (66·1-138·5)
Tunisia	112·5	43·2	6·5 (4·7-8·3)	57·6 (41·8-74·4)	54·6 (39·6-70·6)
Turkey	784·2	35·6	36·1 (26·2-45·9)	45·5 (33·0-57·9)	45·6 (33·2-58·1)
Turkmenistan	53·81	26·7	1·1 (0·8-1·5)	20·5 (14·4-26·8)	22·8 (16·0-29·7)
Uganda	391·54	57·2	7·7 (5·8-9·7)	19·1 (14·3-24·1)	38·3 (28·5-48·6)
Ukraine	465·08	16·6	10·0 (6·6-13·5)	21·9 (14·5-29·6)	17·4 (11·6-23·5)
United Arab Emirates	91·45	62·2	8·7 (6·3-11·4)	90·7 (65·9-118·4)	85·8 (63·3-109·5)
United Kingdom	642·44	12·2	14·9 (9·3-20·7)	22·7 (14·3-31·7)	17·7 (11·1-24·5)
United States	3235·26	8·3	149·5 (85·2-210·3)	46·3 (26·4-65·1)	37·4 (21·3-52·5)
Uruguay	34·34	11·2	0·8 (0·5-1·1)	22·5 (14·0-31·0)	20·2 (12·6-27·9)
Uzbekistan	299·41	33	7·3 (5·2-9·4)	23·9 (17·1-30·8)	26·9 (19·3-34·6)
Vanuatu	2·63	6·5	0·2 (0·1-0·2)	58·7 (27·4-89·1)	75·9 (35·4-115·3)
Venezuela	311·06	22·9	13·3 (9·3-17·5)	42·4 (29·4-55·7)	45·0 (31·2-59·0)
Vietnam	934·72	27·3	34·2 (24·1-44·6)	36·3 (25·6-47·4)	36·0 (25·4-46·8)
Virgin Islands, U.S.	1·07	14·7	0·1 (0·0-0·1)	58·7 (38·3-79·8)	48·3 (31·7-64·9)
Yemen	269·12	40·7	7·9 (5·7-10·1)	28·1 (20·4-36·0)	44·6 (32·4-57·5)
Zambia	162·49	23·4	3·0 (2·1-4·0)	18·2 (12·7-23·7)	33·4 (23·3-43·8)
Zimbabwe	155·74	19·8	3·8 (2·6-5·1)	24·1 (16·5-31·7)	42·0 (28·7-55·5)
PM _{2.5} , particulate matter <2.5 µm in aerodynamic diameter					

Supplemental Table 5: Years living with disability (YLD), years of life lost (YLL), and disability adjusted life years (DALY) of diabetes due to PM_{2.5}.

Country	YLD (in 1000s)	YLD (per 100,000)	Age Standardi zed YLD (per 100,000)	YLL (in 1000s)	YLL (per 100,000)	Age Standardi zed YLL (per 100,000)	DALY (in 1000s)	DALY (per 100,000)	Age Standardized DALY (per 100,000)
Global	4,081.6 (2,364.6- 6,158.6)	55.2 (32.0- 83.3)	56.9 (33.1- 85.8)	4,140.9 (3,087.1- 5,136.1)	56.0 (41.8- 69.5)	60.0 (44.7- 74.5)	8,217.4 (5,778.1- 10,971.5)	111.2 (78.2- 148.4)	116.9 (82.6- 155.4)
Afghanistan	18.7 (10.4- 28.6)	56.0 (31.2- 85.6)	120.2 (66.9- 184.1)	43.1 (30.8- 56.7)	129.1 (92.3- 169.6)	323.4 (232.2- 422.6)	61.9 (44.3- 81.3)	185.4 (132.6- 243.4)	444.7 (320.8- 577.1)
Albania	0.8 (0.4- 1.3)	27.7 (15.0- 43.6)	22.5 (12.1- 35.3)	0.3 (0.2- 0.5)	11.4 (7.5- 15.6)	9.2 (6.1- 12.5)	1.1 (0.7- 1.7)	39.2 (24.0- 57.4)	31.7 (19.5-46.4)
Algeria	31.6 (16.6- 49.8)	78.3 (41.3- 123.4)	96.8 (50.8- 152.9)	20.9 (14.8- 27.3)	51.9 (36.8- 67.7)	73.9 (52.5- 96.2)	52.5 (34.2- 74.3)	130.2 (84.7- 184.3)	170.8 (112.0- 240.2)
American Samoa	0.0 (0.0- 0.1)	0.0 (0.0- 98.7)	0.0 (0.0- 137.4)	0.0 (0.0- 0.1)	0.0 (0.0- 121.2)	0.0 (0.0- 218.5)	0.0 (0.0- 0.2)	0.0 (0.0- 218.8)	0.0 (0.0-354.4)
Andorra	0.0 (0.0- 0.0)	35.4 (18.0- 57.6)	22.4 (11.4- 36.4)	0.0 (0.0- 0.0)	15.8 (9.1- 23.4)	9.1 (5.3- 13.5)	0.0 (0.0- 0.1)	51.4 (28.8- 78.2)	31.6 (17.7-48.3)
Angola	5.4 (3.0- 8.3)	20.7 (11.4- 32.0)	47.7 (27.1- 73.0)	8.0 (4.7- 12.1)	31.1 (18.2- 46.8)	86.1 (52.2- 127.5)	13.5 (9.0- 18.6)	52.0 (34.7- 72.0)	134.6 (90.0- 185.5)
Antigua and Barbuda	0.1 (0.0- 0.1)	74.8 (40.2- 118.7)	74.5 (40.5- 117.1)	0.1 (0.1- 0.1)	112.5 (71.7- 154.4)	121.9 (77.8- 167.1)	0.2 (0.1- 0.2)	187.7 (117.8- 262.9)	196.7 (124.2- 274.5)
Argentina	17.4 (9.3- 27.6)	39.8 (21.3- 63.1)	38.3 (20.4- 60.9)	19.4 (12.6- 26.2)	44.5 (28.7- 59.9)	42.0 (27.1- 56.5)	36.8 (23.0- 51.9)	84.3 (52.7- 118.9)	80.3 (50.3-113.3)
Armenia	1.6 (0.9- 2.5)	52.5 (29.6- 80.6)	43.5 (24.5- 67.1)	3.2 (2.2- 4.2)	104.1 (71.2- 138.3)	88.2 (60.5- 116.8)	4.8 (3.2- 6.4)	156.7 (106.3- 210.7)	131.9 (89.5- 177.0)

Australia	6.3 (0.0-12.4)	26.1 (0.0-51.4)	19.7 (0.0-38.9)	4.5 (0.0-7.7)	18.6 (0.0-32.0)	13.0 (0.0-22.4)	10.8 (0.0-19.7)	44.9 (0.0-81.7)	33.0 (0.0-60.2)
Austria	3.4 (1.9-5.2)	38.6 (21.5-60.1)	24.4 (13.6-37.9)	3.5 (2.3-4.6)	40.0 (26.9-52.7)	22.5 (15.1-29.6)	6.8 (4.4-9.5)	78.6 (51.0-109.0)	46.9 (30.3-65.3)
Azerbaijan	3.9 (2.2-6.1)	40.1 (22.0-62.5)	41.6 (22.9-64.7)	6.0 (4.0-8.2)	61.0 (41.1-83.6)	65.8 (44.5-89.8)	10.0 (6.8-13.5)	101.5 (69.1-137.3)	107.9 (73.7-145.0)
Bahrain	1.8 (1.0-2.8)	130.8 (73.4-198.9)	190.0 (112.4-283.0)	1.8 (1.2-2.4)	127.4 (88.7-171.9)	309.1 (218.4-410.8)	3.6 (2.5-4.9)	258.6 (178.4-352.0)	500.1 (354.2-663.4)
Bangladesh	78.8 (45.0-118.3)	48.7 (27.8-73.1)	63.3 (36.8-94.2)	86.6 (65.5-108.8)	53.5 (40.4-67.2)	87.5 (66.2-109.9)	165.6 (120.5-215.9)	102.3 (74.4-133.4)	151.0 (111.6-194.4)
Barbados	0.3 (0.2-0.5)	110.1 (61.0-171.7)	82.3 (45.8-127.7)	0.5 (0.3-0.7)	172.5 (112.7-231.8)	122.8 (80.3-165.0)	0.8 (0.5-1.1)	282.8 (181.6-390.9)	205.2 (131.2-284.5)
Belarus	3.9 (2.2-6.0)	40.6 (22.8-62.9)	29.1 (16.4-44.9)	1.0 (0.7-1.4)	10.6 (7.0-14.7)	7.7 (5.1-10.6)	4.9 (3.0-7.3)	51.3 (30.9-76.1)	36.8 (22.3-54.6)
Belgium	4.8 (2.6-7.6)	42.5 (23.2-66.9)	28.1 (15.5-44.0)	2.5 (1.7-3.4)	22.3 (14.7-29.9)	12.9 (8.5-17.4)	7.4 (4.6-10.7)	64.9 (40.2-94.0)	41.1 (25.3-59.6)
Belize	0.2 (0.1-0.3)	59.2 (33.9-90.3)	92.7 (53.4-141.1)	0.4 (0.3-0.5)	109.6 (75.3-145.9)	208.0 (143.2-276.2)	0.6 (0.4-0.9)	169.2 (115.0-227.9)	301.1 (206.5-402.1)
Benin	2.1 (1.2-3.2)	18.4 (10.3-28.3)	35.5 (20.8-53.4)	4.1 (2.9-5.5)	36.3 (25.4-48.1)	86.2 (60.0-114.3)	6.2 (4.3-8.2)	54.8 (38.2-72.7)	121.9 (85.4-161.0)
Bermuda	0.0 (0.0-0.1)	51.4 (25.2-85.2)	51.0 (25.2-84.1)	0.0 (0.0-0.0)	44.1 (24.9-64.0)	45.3 (25.6-65.8)	0.1 (0.0-0.1)	95.7 (53.1-143.4)	96.5 (53.6-144.2)
Bhutan	0.4 (0.2-0.6)	52.4 (29.5-79.5)	69.7 (40.5-104.6)	0.5 (0.3-0.6)	60.1 (42.4-79.9)	100.5 (71.7-132.7)	0.9 (0.6-1.2)	112.7 (79.4-150.3)	170.5 (122.1-224.8)
Bolivia	4.9 (2.7-7.6)	44.3 (24.7-68.4)	60.2 (34.1-92.3)	6.8 (4.4-9.5)	61.1 (39.8-86.0)	88.7 (57.4-125.8)	11.7 (7.9-16.1)	105.7 (71.0-145.5)	149.5 (100.5-205.5)

Bosnia and Herzegovina	3.0 (1.8-4.5)	80.0 (47.4-119.3)	53.3 (31.0-80.2)	5.9 (4.3-7.7)	155.5 (112.0-202.0)	100.8 (72.6-130.9)	9.0 (6.4-11.8)	235.9 (169.0-309.0)	154.3 (110.6-202.4)
Botswana	1.0 (0.5-1.6)	43.0 (23.5-67.6)	69.0 (38.4-107.5)	2.9 (1.3-5.0)	127.8 (56.6-218.1)	236.3 (112.8-394.2)	3.9 (2.1-6.3)	171.2 (91.0-272.6)	305.9 (165.7-482.2)
Brazil	71.6 (36.8-116.1)	34.1 (17.5-55.4)	34.9 (18.0-56.4)	120.5 (75.6-162.7)	57.4 (36.1-77.5)	63.2 (39.6-85.3)	192.2 (117.9-271.5)	91.6 (56.2-129.4)	98.1 (60.3-138.0)
Brunei	0.1 (0.0-0.4)	24.9 (0.0-99.1)	28.5 (0.0-112.1)	0.1 (0.0-0.5)	30.9 (0.0-111.0)	42.7 (0.0-151.8)	0.2 (0.0-0.9)	57.0 (0.0-205.7)	72.4 (0.0-258.3)
Bulgaria	4.7 (2.7-7.3)	65.5 (37.0-100.5)	40.0 (22.6-61.2)	4.3 (3.0-5.7)	59.7 (41.5-79.4)	34.3 (23.9-45.5)	9.1 (6.1-12.4)	125.5 (84.9-171.8)	74.4 (50.3-102.0)
Burkina Faso	3.1 (1.8-4.8)	16.7 (9.5-25.6)	36.2 (21.0-54.7)	6.3 (4.6-8.2)	34.1 (24.5-43.9)	88.4 (63.5-113.9)	9.5 (6.7-12.4)	50.9 (36.0-66.8)	124.6 (88.9-162.6)
Burundi	2.4 (1.4-3.6)	20.8 (12.0-31.5)	45.8 (26.6-69.2)	4.9 (3.5-6.6)	42.6 (29.9-57.0)	106.3 (74.5-141.9)	7.4 (5.2-9.7)	63.6 (44.9-84.2)	152.6 (108.1-200.5)
Cambodia	5.5 (3.0-8.5)	34.3 (18.8-53.3)	48.2 (27.2-74.1)	7.8 (5.3-10.4)	48.8 (33.4-65.5)	79.9 (54.7-107.0)	13.3 (9.0-18.0)	83.3 (56.4-113.0)	128.5 (87.4-172.9)
Cameroon	6.1 (3.5-9.1)	25.4 (14.8-37.9)	50.0 (29.6-74.1)	14.1 (9.8-19.1)	58.7 (40.6-79.6)	138.4 (95.6-187.7)	20.2 (14.3-26.9)	84.3 (59.7-112.1)	188.9 (134.5-250.0)
Canada	17.3 (7.9-29.4)	47.7 (21.7-81.1)	33.3 (15.2-56.4)	10.2 (5.2-14.9)	28.0 (14.3-41.1)	18.6 (9.5-27.2)	27.5 (13.5-43.3)	75.7 (37.2-119.2)	51.9 (25.4-81.9)
Cape Verde	0.2 (0.1-0.2)	27.7 (15.9-42.1)	41.8 (24.1-63.2)	0.2 (0.2-0.3)	43.7 (31.2-56.9)	77.9 (55.6-101.5)	0.4 (0.3-0.5)	71.5 (50.0-95.2)	120.0 (84.6-158.1)
Central African Republic	1.4 (0.8-2.2)	28.7 (16.6-43.4)	50.8 (29.4-76.7)	3.5 (2.4-4.8)	70.2 (47.5-96.3)	137.5 (93.7-187.8)	5.0 (3.5-6.7)	99.1 (69.2-132.8)	188.8 (132.7-251.5)
Chad	2.3 (1.3-3.4)	15.7 (9.0-23.7)	35.4 (20.9-52.9)	4.5 (3.1-6.1)	31.1 (21.3-42.4)	82.5 (55.4-114.3)	6.8 (4.7-9.1)	46.9 (32.9-62.7)	118.3 (82.2-159.0)

Chile	6.9 (3.8-10.7)	38.0 (21.2-58.9)	33.0 (18.3-51.3)	6.6 (4.2-9.4)	36.3 (23.0-51.8)	31.6 (20.0-45.2)	13.5 (8.8-19.1)	74.5 (48.2-105.1)	64.9 (41.9-91.5)
China	829.8 (455.0-1,274.2)	60.7 (33.3-93.2)	50.1 (27.4-77.1)	423.4 (321.7-519.3)	31.0 (23.5-38.0)	27.1 (20.6-33.2)	1,251.5 (828.5-1,753.3)	91.5 (60.6-128.3)	77.1 (51.2-107.7)
Colombia	21.8 (11.8-34.3)	45.0 (24.4-70.6)	47.2 (25.6-74.2)	15.4 (10.3-20.7)	31.8 (21.3-42.6)	38.0 (25.5-50.9)	37.3 (23.6-53.2)	76.8 (48.7-109.6)	85.3 (54.7-120.7)
Comoros	0.2 (0.1-0.3)	22.5 (12.3-35.2)	42.6 (23.4-66.7)	0.3 (0.2-0.4)	39.2 (25.1-54.9)	86.1 (55.7-119.5)	0.5 (0.3-0.7)	61.8 (40.2-85.4)	129.1 (84.2-177.3)
Congo	1.5 (0.9-2.3)	32.2 (18.2-49.2)	59.5 (33.6-90.7)	2.5 (1.7-3.5)	53.5 (36.3-73.8)	113.2 (77.3-154.4)	4.1 (2.8-5.4)	86.1 (60.0-115.6)	173.1 (121.6-231.2)
Costa Rica	2.5 (1.4-4.0)	52.7 (28.7-82.6)	50.9 (27.7-79.7)	0.9 (0.6-1.2)	18.7 (12.8-24.5)	18.8 (12.9-24.7)	3.4 (2.1-5.1)	71.3 (43.4-105.2)	69.7 (42.6-102.5)
Cote d'Ivoire	4.6 (2.6-7.1)	20.1 (11.3-31.0)	37.9 (21.6-58.2)	12.7 (8.6-17.3)	55.3 (37.1-74.9)	123.2 (82.8-166.9)	17.4 (11.7-23.6)	75.5 (50.6-102.5)	161.5 (108.7-217.9)
Croatia	2.4 (1.4-3.7)	58.0 (33.1-88.7)	36.4 (20.5-56.0)	2.0 (1.4-2.7)	47.7 (32.3-64.3)	26.5 (17.9-35.8)	4.5 (3.0-6.2)	105.9 (69.9-147.0)	63.0 (41.3-88.0)
Cuba	7.3 (4.0-11.3)	63.6 (35.3-99.2)	47.5 (26.3-74.2)	4.0 (2.7-5.4)	35.3 (23.6-46.9)	25.3 (16.9-33.6)	11.3 (7.1-16.2)	99.0 (62.1-142.3)	72.9 (45.6-104.8)
Cyprus	0.5 (0.3-0.8)	53.2 (29.7-82.5)	41.3 (23.0-64.1)	0.7 (0.5-1.0)	79.5 (53.9-104.9)	57.6 (39.1-76.1)	1.2 (0.8-1.6)	132.8 (87.9-181.2)	99.0 (65.5-135.4)
Czech Republic	8.1 (4.6-12.4)	76.3 (43.5-117.0)	49.8 (28.4-76.3)	4.8 (3.3-6.3)	45.2 (31.1-59.6)	27.2 (18.7-35.8)	12.9 (8.4-18.2)	121.7 (79.2-170.8)	77.1 (49.8-108.9)
Democratic Republic of the Congo	20.0 (11.5-30.3)	25.1 (14.5-38.1)	52.4 (30.8-78.5)	30.6 (21.9-40.0)	38.5 (27.5-50.3)	92.8 (66.2-121.2)	50.8 (35.9-67.2)	63.8 (45.1-84.4)	145.5 (103.4-191.2)
Denmark	2.2 (1.1-3.6)	38.5 (19.9-62.1)	25.3 (13.1-41.0)	2.1 (1.3-3.0)	37.2 (22.8-52.1)	23.1 (14.2-32.4)	4.3 (2.6-6.3)	75.9 (45.3-109.8)	48.6 (28.9-70.6)

Djibouti	0.3 (0.2-0.5)	32.9 (18.8-50.0)	55.5 (32.1-83.9)	0.5 (0.3-0.7)	51.7 (34.9-71.4)	97.9 (66.3-134.4)	0.8 (0.6-1.1)	85.0 (58.8-114.5)	153.8 (107.2-206.6)
Dominica	0.1 (0.0-0.1)	81.6 (44.4-128.0)	82.0 (44.7-128.7)	0.1 (0.1-0.1)	138.6 (87.5-192.7)	142.9 (90.1-198.8)	0.2 (0.1-0.2)	220.8 (138.3-309.5)	225.5 (141.4-315.8)
Dominican Republic	4.3 (2.4-6.8)	41.3 (22.6-64.6)	49.0 (26.9-76.6)	4.8 (3.2-6.6)	46.0 (30.4-63.1)	58.3 (38.5-79.8)	9.2 (6.0-12.8)	87.6 (57.2-121.5)	107.7 (70.5-148.8)
Ecuador	6.4 (3.4-10.1)	38.6 (20.8-61.1)	47.2 (25.6-74.2)	9.0 (5.8-12.2)	54.5 (35.0-73.7)	70.6 (45.2-95.4)	15.4 (9.7-21.6)	93.2 (58.6-130.3)	117.9 (74.2-164.3)
Egypt	91.4 (50.6-138.8)	99.7 (55.2-151.4)	132.7 (76.0-198.9)	69.2 (51.8-88.3)	75.4 (56.5-96.3)	106.1 (79.3-135.5)	160.6 (111.5-217.8)	175.2 (121.6-237.6)	238.9 (167.1-321.9)
El Salvador	4.3 (2.5-6.5)	69.9 (40.3-105.8)	78.8 (45.5-119.2)	5.8 (4.2-7.6)	94.5 (67.4-123.6)	110.0 (78.4-143.8)	10.2 (7.1-13.5)	164.8 (115.4-219.5)	189.3 (132.6-251.8)
Equatorial Guinea	0.4 (0.2-0.6)	43.5 (24.8-66.2)	69.4 (40.0-105.3)	0.4 (0.2-0.7)	49.7 (20.6-84.5)	96.1 (44.7-157.7)	0.8 (0.5-1.2)	93.4 (56.0-138.7)	165.8 (103.4-241.4)
Eritrea	1.2 (0.7-1.8)	22.5 (12.8-34.2)	49.2 (28.1-74.9)	2.5 (1.8-3.3)	46.8 (32.9-62.0)	117.7 (83.0-155.1)	3.7 (2.6-4.9)	69.5 (48.9-91.9)	167.3 (118.3-219.8)
Estonia	0.7 (0.3-1.1)	51.7 (26.3-84.1)	33.8 (17.1-55.0)	0.3 (0.2-0.4)	20.3 (11.9-28.9)	13.5 (7.9-19.3)	1.0 (0.5-1.4)	72.2 (39.9-110.0)	47.4 (26.1-72.7)
Ethiopia	23.6 (13.5-35.9)	23.1 (13.2-35.1)	46.1 (26.8-69.7)	46.8 (32.3-62.7)	45.7 (31.6-61.2)	101.8 (70.5-136.1)	70.5 (48.7-94.5)	68.9 (47.6-92.4)	148.3 (103.2-197.0)
Federated States of Micronesia	0.1 (0.0-0.1)	72.6 (26.9-130.6)	107.6 (40.1-192.9)	0.2 (0.1-0.3)	176.3 (69.3-298.7)	291.6 (115.3-491.7)	0.3 (0.1-0.4)	250.6 (100.4-417.2)	402.0 (161.4-667.0)
Fiji	1.2 (0.4-2.2)	137.9 (49.1-250.1)	151.5 (53.9-274.5)	4.3 (1.6-7.2)	493.9 (186.4-838.9)	600.9 (227.6-1,014.9)	5.5 (2.1-9.1)	637.4 (242.2-1,053.4)	758.6 (288.4-1,251.0)
Finland	2.6 (1.2-4.4)	47.2 (21.8-80.0)	30.4 (14.0-51.7)	0.6 (0.3-0.9)	11.6 (6.1-17.1)	7.6 (3.9-11.1)	3.2 (1.6-5.3)	58.9 (28.6-95.3)	38.0 (18.4-61.6)

France	21.8 (11.8-34.4)	33.6 (18.1-52.9)	21.9 (11.8-34.6)	16.7 (10.6-22.8)	25.7 (16.3-35.2)	14.6 (9.2-19.9)	38.6 (23.7-55.0)	59.4 (36.5-84.7)	36.6 (22.3-52.8)
Gabon	0.8 (0.4-1.2)	43.4 (25.0-65.8)	69.4 (40.2-104.9)	1.2 (0.8-1.6)	67.0 (44.7-92.9)	117.7 (78.9-162.1)	2.0 (1.3-2.7)	110.7 (75.5-150.9)	187.4 (128.2-254.5)
Georgia	1.8 (1.0-2.8)	44.5 (24.8-68.9)	34.6 (19.2-53.9)	2.7 (1.8-3.7)	66.1 (43.7-90.8)	51.3 (33.8-70.7)	4.5 (3.0-6.1)	110.9 (73.7-151.5)	86.2 (57.3-117.8)
Germany	47.2 (26.2-73.4)	57.5 (31.9-89.5)	33.4 (18.5-51.9)	30.9 (20.2-41.6)	37.7 (24.6-50.7)	18.9 (12.3-25.5)	78.3 (48.7-111.7)	95.5 (59.4-136.2)	52.4 (32.3-75.6)
Ghana	6.7 (3.7-10.5)	23.8 (13.1-37.1)	42.1 (24.1-64.2)	14.1 (9.6-18.7)	49.8 (34.1-66.4)	106.3 (72.7-141.7)	20.8 (14.2-28.0)	73.8 (50.2-99.2)	148.6 (101.5-198.4)
Greece	3.8 (2.0-6.0)	34.6 (18.4-55.2)	21.0 (11.1-33.5)	2.0 (1.3-2.8)	18.8 (12.2-25.5)	9.8 (6.4-13.3)	5.8 (3.5-8.5)	53.5 (32.5-78.3)	30.9 (18.6-45.5)
Greenland	0.0 (0.0-0.0)	16.2 (0.0-51.3)	15.2 (0.0-47.9)	0.0 (0.0-0.0)	9.2 (0.0-27.0)	10.0 (0.0-29.1)	0.0 (0.0-0.0)	25.9 (0.0-76.4)	25.7 (0.0-75.1)
Grenada	0.1 (0.0-0.1)	79.6 (43.9-124.3)	94.0 (52.3-145.7)	0.2 (0.1-0.2)	150.2 (97.1-205.4)	186.3 (120.4-254.7)	0.2 (0.2-0.3)	230.5 (148.7-316.5)	281.2 (181.8-384.9)
Guam	0.2 (0.1-0.3)	90.1 (39.7-155.4)	89.6 (39.2-154.8)	0.2 (0.1-0.2)	89.7 (44.0-136.4)	92.0 (45.2-139.4)	0.3 (0.2-0.5)	180.4 (87.0-282.5)	182.3 (88.1-284.5)
Guatemala	10.2 (5.7-15.6)	61.6 (34.5-94.5)	94.9 (53.3-145.7)	17.4 (11.3-24.5)	105.1 (68.5-148.3)	179.9 (117.1-254.0)	27.7 (19.0-37.5)	167.4 (114.9-227.1)	276.0 (188.6-375.3)
Guinea	2.1 (1.1-3.2)	16.0 (8.8-25.0)	30.0 (17.1-46.0)	5.7 (3.8-7.8)	44.0 (29.2-60.2)	98.7 (65.1-135.7)	7.8 (5.2-10.5)	60.2 (40.3-81.5)	128.9 (86.2-174.9)
Guinea-Bissau	0.4 (0.2-0.6)	22.2 (12.6-34.0)	40.6 (23.7-61.1)	1.3 (0.9-1.7)	68.1 (46.7-91.3)	145.9 (100.3-195.2)	1.7 (1.2-2.3)	90.5 (62.0-121.4)	186.7 (128.8-249.4)
Guyana	0.6 (0.4-1.0)	81.9 (45.9-126.8)	93.7 (52.8-144.7)	1.5 (1.0-2.0)	196.5 (128.4-267.1)	248.0 (162.6-335.4)	2.1 (1.4-2.9)	279.0 (181.5-382.2)	342.4 (223.7-465.9)

Haiti	5.3 (2.9-8.1)	47.3 (26.4-73.1)	72.0 (40.9-110.4)	13.5 (8.8-18.9)	121.1 (79.3-169.5)	206.2 (135.3-287.9)	18.8 (12.7-25.5)	169.1 (113.7-229.4)	279.2 (188.1-378.3)
Honduras	4.3 (2.5-6.5)	51.6 (29.4-78.6)	74.4 (42.4-113.5)	3.6 (2.3-5.2)	43.4 (27.7-62.2)	72.9 (46.6-104.5)	7.9 (5.3-11.0)	95.3 (63.7-132.3)	147.8 (99.3-204.1)
Hungary	6.4 (3.6-9.7)	64.3 (36.7-98.3)	41.6 (23.7-63.7)	5.0 (3.4-6.7)	50.7 (34.8-67.5)	30.6 (21.0-40.7)	11.4 (7.6-15.8)	115.2 (76.6-159.3)	72.3 (47.8-100.5)
Iceland	0.1 (0.0-0.1)	26.9 (12.8-45.0)	21.0 (10.0-35.1)	0.0 (0.0-0.0)	9.6 (5.1-14.0)	7.0 (3.8-10.2)	0.1 (0.1-0.2)	36.6 (18.5-57.9)	28.0 (14.2-44.5)
India	693.3 (396.7-1,040.9)	52.7 (30.1-79.1)	63.2 (36.9-94.2)	933.3 (718.7-1,140.9)	70.9 (54.6-86.7)	102.3 (78.6-125.1)	1,625.8 (1,193.7-2,104.8)	123.5 (90.7-159.9)	165.5 (122.5-212.3)
Indonesia	124.0 (65.5-198.1)	48.1 (25.4-76.8)	55.0 (29.2-87.7)	275.8 (183.4-363.4)	106.9 (71.1-140.9)	134.0 (89.1-176.6)	400.0 (261.7-544.5)	155.1 (101.4-211.1)	189.4 (124.4-255.7)
Iran	67.8 (37.7-104.0)	83.3 (46.4-127.9)	101.6 (56.9-155.6)	41.9 (29.5-56.0)	51.5 (36.2-68.8)	76.1 (53.5-101.6)	109.9 (73.5-152.4)	135.1 (90.3-187.4)	178.1 (121.6-243.2)
Iraq	29.8 (15.8-46.6)	75.7 (40.0-118.2)	146.2 (80.0-225.4)	42.3 (28.9-58.0)	107.3 (73.3-147.2)	236.0 (163.4-318.7)	72.4 (50.8-96.7)	183.7 (128.9-245.4)	383.2 (270.2-510.5)
Ireland	1.6 (0.8-2.6)	34.0 (17.2-55.7)	27.3 (13.8-44.5)	0.7 (0.4-0.9)	14.3 (8.5-20.3)	11.0 (6.5-15.7)	2.2 (1.3-3.4)	48.5 (27.2-73.6)	38.4 (21.5-58.5)
Israel	3.6 (2.0-5.5)	43.6 (24.1-67.7)	41.5 (23.0-64.5)	3.9 (2.6-5.4)	47.7 (31.5-66.0)	42.9 (28.2-59.4)	7.5 (5.0-10.3)	91.7 (60.8-126.0)	84.7 (56.1-116.8)
Italy	33.9 (19.5-51.8)	56.0 (32.2-85.6)	32.5 (18.4-49.9)	30.2 (20.6-40.0)	49.9 (34.0-66.1)	23.7 (16.2-31.4)	64.2 (42.2-89.0)	106.2 (69.7-147.1)	56.3 (36.8-78.4)
Jamaica	2.8 (1.6-4.4)	98.0 (55.4-151.3)	104.3 (59.1-160.7)	5.5 (3.6-7.6)	192.4 (126.2-263.2)	205.3 (134.6-281.4)	8.4 (5.5-11.5)	291.1 (190.5-399.4)	310.4 (203.1-426.1)
Japan	89.0 (45.7-144.3)	70.8 (36.3-114.8)	41.9 (21.4-68.0)	13.3 (8.7-17.7)	10.6 (6.9-14.1)	5.1 (3.3-6.8)	102.3 (56.2-159.8)	81.4 (44.7-127.1)	46.9 (25.4-74.0)

Jordan	5.7 (3.1-8.8)	73.7 (40.0-114.5)	119.8 (65.1-185.8)	4.1 (2.7-5.8)	53.4 (35.0-75.1)	114.1 (75.5-159.4)	9.8 (6.5-13.7)	127.5 (84.5-178.0)	234.8 (160.0-320.6)
Kazakhstan	4.6 (2.5-7.1)	25.6 (14.1-39.8)	28.0 (15.5-43.6)	3.8 (2.5-5.4)	21.5 (13.9-30.0)	24.2 (15.7-33.6)	8.4 (5.4-12.0)	47.2 (30.1-66.9)	52.3 (33.4-74.2)
Kenya	8.4 (4.4-13.5)	18.1 (9.5-28.9)	36.7 (19.4-58.4)	9.7 (6.2-13.6)	20.8 (13.3-29.1)	49.4 (31.6-69.1)	18.2 (11.6-25.5)	39.0 (24.9-54.8)	86.4 (55.4-120.6)
Kiribati	0.0 (0.0-0.2)	0.0 (0.0-136.3)	0.0 (0.0-197.4)	0.0 (0.0-0.4)	0.0 (0.0-366.3)	0.0 (0.0-606.0)	0.0 (0.0-0.6)	0.0 (0.0-494.4)	0.0 (0.0-791.3)
Kuwait	3.1 (1.7-4.7)	78.5 (43.4-120.1)	106.5 (62.0-159.1)	0.7 (0.4-0.9)	16.9 (11.2-23.7)	50.5 (33.4-70.6)	3.8 (2.3-5.5)	95.4 (58.2-139.7)	157.1 (103.8-220.1)
Kyrgyzstan	1.0 (0.5-1.5)	16.2 (8.8-25.7)	22.5 (12.3-35.3)	0.9 (0.6-1.2)	15.4 (10.3-20.6)	21.7 (14.5-29.0)	1.9 (1.2-2.7)	31.8 (20.4-44.3)	44.3 (28.5-61.7)
Laos	2.8 (1.6-4.4)	39.1 (21.7-60.4)	63.8 (35.7-98.3)	5.5 (3.9-7.2)	76.1 (53.7-99.2)	144.1 (101.3-188.6)	8.3 (5.8-11.1)	115.4 (79.9-153.6)	208.2 (145.4-275.6)
Latvia	1.2 (0.7-1.9)	61.1 (34.6-94.1)	39.1 (21.8-60.6)	0.8 (0.5-1.0)	38.5 (26.0-51.6)	24.4 (16.6-32.6)	2.0 (1.3-2.8)	99.8 (64.8-140.3)	63.6 (41.0-89.8)
Lebanon	4.2 (2.3-6.4)	71.2 (39.4-110.2)	75.4 (41.7-116.6)	2.2 (1.5-3.0)	38.1 (26.4-51.3)	43.2 (29.8-58.3)	6.4 (4.2-9.0)	109.5 (71.2-154.9)	118.8 (77.9-167.3)
Lesotho	0.9 (0.5-1.4)	41.8 (23.9-64.1)	77.0 (44.7-116.8)	3.9 (2.3-5.8)	182.2 (109.3-270.7)	374.7 (223.5-559.0)	4.8 (3.0-6.9)	224.8 (141.0-323.6)	453.1 (282.7-655.3)
Liberia	0.7 (0.3-1.1)	14.1 (6.7-23.6)	26.7 (12.8-44.0)	1.4 (0.8-2.1)	30.9 (16.3-45.5)	72.9 (38.5-107.8)	2.1 (1.1-3.1)	45.2 (23.8-67.1)	100.0 (52.9-147.6)
Libya	5.5 (2.9-8.4)	88.6 (47.6-136.8)	112.8 (62.8-171.9)	3.2 (2.3-4.1)	51.9 (38.1-67.1)	85.7 (63.5-109.7)	8.7 (5.9-11.9)	140.6 (95.4-193.6)	198.6 (137.3-269.2)
Lithuania	1.2 (0.7-1.9)	42.5 (24.4-65.0)	27.3 (15.6-41.9)	0.6 (0.4-0.8)	19.9 (13.6-26.3)	13.7 (9.3-18.0)	1.8 (1.1-2.6)	62.5 (39.6-89.3)	41.1 (26.2-58.5)

Luxembourg	0.3 (0.1-0.4)	45.6 (25.0-71.6)	33.7 (18.5-52.7)	0.1 (0.1-0.1)	17.7 (11.8-23.8)	12.4 (8.2-16.6)	0.4 (0.2-0.5)	63.6 (39.1-92.4)	46.2 (28.4-67.2)
Macedonia	1.5 (0.9-2.3)	72.7 (42.1-109.8)	55.5 (32.1-83.9)	2.3 (1.7-2.9)	109.9 (80.3-139.5)	84.4 (61.8-106.9)	3.8 (2.7-5.0)	182.8 (130.1-239.9)	140.2 (99.8-183.7)
Madagascar	5.1 (2.8-7.9)	20.3 (11.2-31.6)	40.2 (22.0-62.7)	9.3 (6.0-13.2)	37.3 (23.9-52.8)	82.9 (53.7-116.5)	14.4 (9.4-20.0)	57.8 (37.9-80.1)	123.6 (81.2-170.5)
Malawi	3.5 (2.0-5.3)	19.4 (11.0-29.7)	44.0 (24.9-67.4)	6.0 (3.9-8.4)	33.4 (21.9-46.8)	83.4 (54.8-116.5)	9.5 (6.4-13.0)	53.1 (35.4-72.5)	127.9 (85.4-174.8)
Malaysia	19.3 (10.2-30.8)	62.7 (33.1-100.2)	71.4 (38.0-113.6)	12.5 (8.3-16.7)	40.6 (26.9-54.4)	54.1 (35.7-72.4)	31.8 (19.8-45.9)	103.4 (64.4-149.3)	125.8 (79.2-178.9)
Maldives	0.1 (0.1-0.2)	39.9 (21.5-62.5)	51.9 (28.4-80.9)	0.1 (0.1-0.1)	29.1 (19.3-40.3)	49.2 (32.7-68.3)	0.3 (0.2-0.4)	69.0 (44.1-98.7)	101.4 (66.9-141.5)
Mali	3.0 (1.7-4.5)	16.5 (9.2-25.3)	36.2 (21.0-54.6)	5.5 (3.7-7.7)	30.8 (20.5-42.9)	82.7 (54.3-116.1)	8.5 (5.9-11.4)	47.4 (33.0-63.7)	119.3 (83.0-160.3)
Malta	0.2 (0.1-0.3)	48.9 (26.8-76.8)	31.3 (17.1-49.3)	0.2 (0.1-0.2)	40.8 (26.1-57.0)	24.4 (15.6-34.0)	0.4 (0.2-0.5)	89.9 (56.3-129.1)	55.8 (34.9-80.2)
Marshall Islands	0.1 (0.1-0.2)	146.1 (74.8-236.3)	223.2 (115.0-360.2)	0.5 (0.3-0.7)	606.6 (347.8-889.1)	1,091.0 (628.6-1,592.1)	0.6 (0.3-0.8)	754.3 (434.7-1,100.7)	1,318.0 (763.0-1,910.8)
Mauritania	1.0 (0.6-1.6)	25.4 (14.3-38.4)	43.9 (25.2-65.9)	1.4 (0.9-2.0)	35.5 (23.1-50.1)	78.6 (51.0-111.1)	2.5 (1.7-3.4)	61.0 (42.2-82.6)	122.7 (85.6-165.4)
Mauritius	1.4 (0.7-2.2)	107.3 (56.7-171.4)	92.0 (49.1-146.3)	4.7 (3.0-6.4)	368.0 (239.2-502.5)	325.8 (211.8-444.5)	6.1 (3.9-8.4)	476.0 (307.5-655.8)	418.4 (270.8-575.3)
Mexico	130.2 (70.5-204.6)	101.2 (54.8-159.0)	117.4 (63.5-184.7)	160.9 (111.5-207.3)	125.0 (86.7-161.1)	161.2 (111.7-207.7)	291.3 (192.7-399.5)	226.4 (149.7-310.5)	278.6 (185.2-380.2)
Moldova	1.8 (1.0-2.8)	44.4 (24.4-69.4)	36.5 (20.0-57.2)	0.8 (0.6-1.1)	20.3 (13.5-27.4)	16.8 (11.2-22.6)	2.6 (1.6-3.8)	64.9 (40.3-93.9)	53.5 (33.2-77.3)

Mongolia	0.5 (0.3-0.8)	17.4 (9.4-27.3)	23.7 (13.2-36.7)	0.5 (0.3-0.7)	16.0 (10.8-21.8)	19.6 (13.3-26.3)	1.0 (0.7-1.4)	33.5 (22.2-46.5)	43.4 (28.6-60.3)
Montenegro	0.4 (0.2-0.6)	56.5 (30.9-88.1)	42.5 (23.4-66.1)	0.4 (0.2-0.5)	57.5 (39.4-76.5)	42.3 (29.1-56.1)	0.7 (0.5-1.0)	114.3 (76.2-157.3)	84.9 (56.5-117.2)
Morocco	27.0 (14.6-42.4)	80.3 (43.5-125.9)	89.9 (48.2-141.4)	26.3 (17.7-35.6)	78.0 (52.5-105.9)	99.5 (66.8-135.8)	53.4 (35.2-74.2)	158.6 (104.7-220.5)	190.0 (126.4-261.7)
Mozambique	5.7 (3.1-9.0)	19.9 (10.9-31.2)	42.0 (23.1-65.7)	10.9 (7.0-15.4)	38.0 (24.4-53.5)	86.8 (55.7-121.9)	16.7 (10.9-23.2)	58.1 (37.8-80.4)	129.2 (84.2-178.5)
Myanmar	28.1 (16.2-42.3)	51.5 (29.6-77.5)	59.7 (34.2-90.1)	47.2 (34.4-60.7)	86.5 (63.1-111.4)	114.7 (83.9-147.4)	75.2 (54.2-98.7)	138.0 (99.5-181.0)	174.7 (126.8-226.6)
Namibia	0.7 (0.4-1.1)	29.4 (16.5-45.5)	51.6 (29.4-79.2)	2.1 (1.2-3.2)	84.6 (48.7-129.3)	172.4 (100.3-261.5)	2.9 (1.8-4.2)	114.4 (70.7-166.8)	224.6 (139.1-327.0)
Nepal	13.3 (7.6-19.9)	44.1 (25.3-66.2)	62.2 (35.9-93.1)	18.1 (13.2-23.4)	60.1 (44.0-77.9)	101.3 (74.6-130.8)	31.4 (22.7-41.0)	104.4 (75.6-136.4)	163.8 (119.4-213.1)
Netherlands	9.5 (5.1-15.1)	55.3 (29.7-87.9)	36.3 (19.5-57.6)	4.6 (3.0-6.2)	26.6 (17.3-36.1)	16.0 (10.4-21.7)	14.1 (8.6-20.6)	82.1 (50.0-120.3)	52.4 (31.7-77.0)
New Zealand	0.7 (0.0-1.8)	15.1 (0.0-39.2)	11.4 (0.0-29.4)	0.6 (0.0-1.3)	12.6 (0.0-29.2)	9.0 (0.0-20.8)	1.3 (0.0-3.0)	27.9 (0.0-67.0)	20.5 (0.0-49.2)
Nicaragua	3.0 (1.7-4.7)	49.4 (27.8-76.0)	65.3 (37.0-100.3)	3.8 (2.5-5.1)	61.1 (41.2-83.1)	91.3 (61.5-124.0)	6.8 (4.6-9.3)	110.8 (74.4-151.6)	157.1 (105.9-213.4)
Niger	3.3 (1.9-5.0)	16.6 (9.5-25.1)	35.1 (20.8-52.4)	7.8 (5.4-10.4)	38.6 (26.9-52.0)	95.3 (66.5-128.1)	11.1 (7.9-14.7)	55.4 (39.6-73.1)	130.7 (93.2-172.8)
Nigeria	26.1 (14.9-39.7)	14.1 (8.0-21.5)	27.8 (16.0-42.1)	33.5 (22.3-46.7)	18.1 (12.0-25.3)	45.4 (30.1-63.5)	59.8 (41.1-81.1)	32.4 (22.3-43.9)	73.6 (50.6-99.6)
North Korea	12.1 (6.5-19.1)	45.9 (24.5-72.2)	44.0 (23.7-69.1)	10.1 (7.1-13.4)	38.2 (26.7-50.7)	38.2 (26.6-50.5)	22.3 (14.8-31.0)	84.4 (55.8-117.3)	82.5 (54.7-114.3)

Northern Mariana Islands	0.1 (0.0-0.1)	69.6 (34.9-114.3)	111.3 (58.7-177.6)	0.1 (0.0-0.1)	60.9 (36.5-88.1)	165.9 (100.5-237.9)	0.2 (0.1-0.2)	131.1 (77.8-192.3)	278.2 (169.3-396.9)
Norway	2.2 (1.1-3.6)	42.3 (21.4-69.0)	30.5 (15.4-49.9)	0.9 (0.5-1.3)	17.8 (10.4-25.3)	12.2 (7.1-17.3)	3.2 (1.7-4.9)	60.2 (32.9-92.6)	42.8 (23.4-65.8)
Oman	4.3 (2.4-6.7)	92.4 (50.4-142.4)	145.4 (79.9-223.7)	3.4 (2.5-4.4)	73.4 (54.0-93.2)	173.5 (128.3-219.3)	7.8 (5.3-10.6)	165.8 (113.5-226.7)	319.3 (226.9-422.9)
Pakistan	120.0 (69.2-180.1)	62.8 (36.2-94.3)	93.5 (54.9-139.4)	132.1 (95.2-173.2)	69.2 (49.9-90.7)	127.7 (92.1-167.4)	252.5 (178.4-337.2)	132.2 (93.4-176.6)	221.7 (159.0-291.6)
Palestine	2.4 (1.3-3.8)	46.5 (25.0-73.2)	101.0 (54.2-159.2)	2.9 (2.0-3.8)	56.4 (38.9-73.6)	168.3 (115.9-220.0)	5.3 (3.5-7.4)	103.0 (67.7-142.6)	269.2 (180.5-365.9)
Panama	2.2 (1.1-3.5)	54.4 (28.0-88.2)	59.1 (30.9-95.1)	2.3 (1.4-3.2)	57.2 (36.0-79.9)	67.0 (42.2-93.6)	4.4 (2.8-6.3)	112.0 (69.3-159.2)	126.6 (78.5-179.7)
Papua New Guinea	4.6 (2.3-7.4)	58.1 (29.5-94.8)	94.6 (48.6-152.9)	10.0 (5.8-14.7)	126.9 (74.2-186.9)	248.2 (145.9-363.0)	14.6 (8.6-21.2)	185.5 (109.7-270.0)	343.9 (205.0-496.0)
Paraguay	3.3 (1.8-5.2)	49.7 (27.4-77.7)	64.8 (35.8-101.1)	5.7 (3.7-7.7)	84.7 (55.2-115.1)	122.8 (79.9-166.9)	9.0 (5.8-12.5)	134.6 (86.1-186.7)	187.8 (120.8-259.5)
Peru	11.7 (6.7-17.9)	36.4 (20.7-55.6)	43.2 (24.7-65.7)	9.9 (6.6-13.6)	30.6 (20.5-42.3)	39.7 (26.6-54.8)	21.7 (14.3-30.2)	67.2 (44.2-93.7)	83.2 (55.2-115.3)
Philippines	59.0 (31.9-92.5)	57.6 (31.2-90.2)	77.6 (42.3-121.1)	74.2 (50.8-99.1)	72.5 (49.6-96.8)	112.4 (77.0-150.1)	133.7 (90.0-181.9)	130.5 (87.9-177.5)	190.5 (129.7-256.4)
Poland	20.2 (11.4-31.1)	52.4 (29.5-80.6)	36.3 (20.4-56.1)	14.8 (10.3-19.4)	38.4 (26.8-50.2)	25.4 (17.7-33.3)	35.1 (23.4-48.5)	90.8 (60.6-125.4)	61.8 (41.0-85.7)
Portugal	5.2 (2.7-8.5)	50.1 (25.7-81.0)	30.0 (15.2-48.9)	5.1 (3.1-7.2)	49.1 (29.3-68.4)	24.7 (14.8-34.5)	10.4 (6.0-15.3)	99.1 (57.3-145.7)	54.8 (31.5-80.7)
Puerto Rico	4.3 (2.4-6.7)	118.1 (66.5-182.9)	95.0 (52.7-148.0)	6.1 (4.1-8.1)	165.1 (110.6-219.5)	123.2 (82.6-164.0)	10.4 (6.8-14.3)	283.4 (185.6-389.5)	218.4 (142.7-301.1)

Qatar	2.6 (1.4-4.0)	115.3 (63.6-175.4)	194.4 (111.6-290.9)	0.9 (0.6-1.4)	41.4 (25.0-60.6)	169.9 (107.1-243.4)	3.6 (2.3-5.0)	157.0 (102.0-221.4)	365.0 (254.7-493.2)
Romania	7.7 (4.3-11.9)	39.7 (22.4-61.2)	26.0 (14.6-40.3)	5.1 (3.4-6.7)	26.1 (17.8-34.6)	16.6 (11.3-21.9)	12.8 (8.2-18.0)	65.9 (42.4-93.0)	42.6 (27.4-60.3)
Russia	64.6 (35.6-101.4)	44.3 (24.4-69.4)	32.3 (17.8-50.6)	28.2 (15.9-43.6)	19.3 (10.9-29.9)	14.3 (8.2-21.9)	93.2 (56.1-138.1)	63.8 (38.4-94.6)	46.8 (28.1-69.4)
Rwanda	2.8 (1.6-4.3)	23.4 (13.4-35.6)	49.2 (28.8-73.8)	4.8 (3.2-6.7)	39.6 (26.3-55.1)	96.8 (64.8-134.5)	7.6 (5.2-10.4)	63.2 (43.3-85.9)	146.5 (101.2-197.9)
Saint Lucia	0.1 (0.1-0.2)	76.2 (41.6-119.7)	73.6 (40.4-115.2)	0.2 (0.1-0.3)	125.9 (81.6-168.8)	125.8 (81.5-168.7)	0.4 (0.2-0.5)	202.1 (128.4-281.0)	199.6 (126.9-276.3)
Saint Vincent and the Grenadines	0.1 (0.1-0.2)	97.4 (53.7-151.6)	102.2 (56.4-159.2)	0.2 (0.1-0.3)	190.9 (123.7-256.4)	213.4 (138.2-286.7)	0.3 (0.2-0.4)	288.5 (184.5-396.7)	315.9 (202.3-433.6)
Samoa	0.0 (0.0-0.1)	0.0 (0.0-71.4)	0.0 (0.0-101.3)	0.0 (0.0-0.2)	0.0 (0.0-106.2)	0.0 (0.0-166.3)	0.0 (0.0-0.4)	0.0 (0.0-176.4)	0.0 (0.0-265.3)
Sao Tome and Principe	0.0 (0.0-0.0)	12.3 (6.4-19.7)	24.2 (13.0-38.3)	0.0 (0.0-0.0)	16.2 (10.0-23.0)	39.9 (24.8-56.7)	0.1 (0.0-0.1)	28.6 (17.6-40.7)	64.3 (40.0-91.1)
Saudi Arabia	21.8 (12.1-33.0)	69.1 (38.4-104.6)	92.4 (52.6-138.6)	8.8 (6.8-10.9)	28.0 (21.7-34.5)	65.6 (50.7-80.7)	30.6 (20.4-42.6)	97.1 (64.6-135.2)	157.9 (111.5-211.6)
Senegal	3.2 (1.8-4.8)	20.5 (11.8-31.2)	41.5 (24.1-62.5)	7.2 (5.0-9.6)	46.6 (32.6-62.2)	114.8 (80.2-153.7)	10.4 (7.3-13.8)	67.3 (47.4-89.1)	156.8 (110.8-206.8)
Serbia	6.1 (3.4-9.3)	69.0 (39.1-105.9)	46.3 (26.0-71.5)	6.6 (4.6-8.7)	75.6 (52.3-98.7)	47.6 (32.9-62.1)	12.7 (8.5-17.3)	144.8 (96.6-197.5)	94.0 (62.3-129.5)
Seychelles	0.1 (0.0-0.1)	55.3 (28.5-89.6)	54.3 (28.4-87.5)	0.0 (0.0-0.1)	43.6 (27.6-60.4)	47.1 (29.9-65.0)	0.1 (0.1-0.1)	99.2 (60.3-144.4)	101.7 (62.0-147.2)
Sierra Leone	1.0 (0.5-1.6)	14.8 (7.9-23.5)	29.0 (15.7-45.8)	2.5 (1.6-3.4)	37.5 (24.3-51.7)	90.2 (58.2-124.7)	3.5 (2.3-4.8)	52.5 (34.1-72.1)	119.6 (77.6-164.4)

Singapore	1.8 (1.0-2.8)	45.6 (24.5-72.0)	36.0 (19.2-57.1)	0.4 (0.2-0.5)	9.5 (6.1-13.3)	7.6 (4.9-10.6)	2.2 (1.3-3.3)	55.1 (32.2-83.4)	43.6 (25.4-66.0)
Slovakia	2.5 (1.4-3.9)	45.9 (25.7-70.8)	33.0 (18.4-51.1)	1.8 (1.2-2.4)	32.4 (21.9-43.6)	22.8 (15.4-30.6)	4.3 (2.8-6.0)	78.5 (51.5-109.2)	55.9 (36.6-78.0)
Slovenia	1.1 (0.6-1.7)	54.0 (30.3-83.5)	33.9 (18.8-52.7)	0.6 (0.4-0.8)	27.3 (18.3-37.0)	15.2 (10.2-20.6)	1.7 (1.1-2.4)	81.6 (51.6-116.7)	49.2 (31.0-70.8)
Solomon Islands	0.2 (0.0-0.6)	33.3 (0.0-107.4)	57.3 (0.0-182.1)	0.5 (0.0-1.6)	91.4 (0.0-267.0)	184.4 (0.0-533.6)	0.8 (0.0-2.2)	127.1 (0.0-364.2)	245.2 (0.0-701.5)
Somalia	2.2 (1.2-3.4)	21.0 (11.8-32.6)	43.9 (24.7-68.0)	5.6 (3.6-7.8)	53.5 (34.5-74.9)	123.6 (79.8-172.3)	7.8 (5.1-10.7)	74.7 (48.7-103.2)	167.8 (109.3-232.0)
South Africa	32.1 (18.3-49.1)	60.9 (34.6-93.1)	79.1 (45.3-120.5)	91.3 (65.6-116.5)	173.2 (124.3-220.8)	235.4 (169.1-299.7)	123.6 (87.9-159.9)	234.3 (166.6-303.2)	314.8 (224.1-406.5)
South Korea	39.4 (22.5-60.0)	78.2 (44.7-119.2)	57.3 (32.9-87.2)	32.9 (21.2-47.0)	65.4 (42.0-93.3)	46.9 (30.1-67.0)	72.6 (48.2-100.6)	144.2 (95.7-199.9)	104.6 (69.5-145.0)
South Sudan	3.1 (1.8-4.8)	23.0 (13.1-35.2)	48.5 (27.4-74.3)	5.9 (3.8-8.5)	43.6 (27.7-62.5)	102.8 (66.2-146.4)	9.1 (6.1-12.4)	66.9 (45.3-91.5)	151.8 (103.4-206.8)
Spain	17.5 (8.9-28.5)	37.7 (19.2-61.3)	23.9 (12.1-39.1)	10.1 (6.1-14.1)	21.8 (13.0-30.3)	11.2 (6.7-15.6)	27.7 (15.8-41.3)	59.6 (33.9-88.9)	35.2 (19.8-53.1)
Sri Lanka	17.6 (10.0-27.0)	85.0 (48.3-130.1)	79.8 (45.4-122.0)	25.5 (17.1-35.1)	122.8 (82.3-169.2)	122.3 (82.3-168.1)	43.2 (29.3-58.7)	208.5 (141.6-283.2)	202.9 (138.0-275.1)
Sudan	16.9 (9.5-26.0)	43.1 (24.1-66.0)	74.5 (42.0-113.6)	15.9 (11.6-20.5)	40.5 (29.5-52.1)	83.4 (60.7-107.3)	33.0 (22.8-44.4)	83.8 (58.1-112.8)	158.1 (111.5-210.6)
Suriname	0.4 (0.2-0.7)	80.6 (44.4-126.3)	86.7 (48.5-134.6)	0.6 (0.4-0.8)	110.7 (73.4-147.6)	131.5 (87.0-175.8)	1.0 (0.7-1.4)	191.6 (124.6-262.9)	218.6 (142.7-299.1)
Swaziland	0.7 (0.4-1.0)	49.3 (28.2-75.6)	97.5 (56.4-148.4)	2.2 (1.1-3.6)	164.5 (79.8-271.0)	367.5 (185.1-598.9)	2.9 (1.6-4.5)	214.1 (118.7-333.6)	465.9 (261.6-720.9)

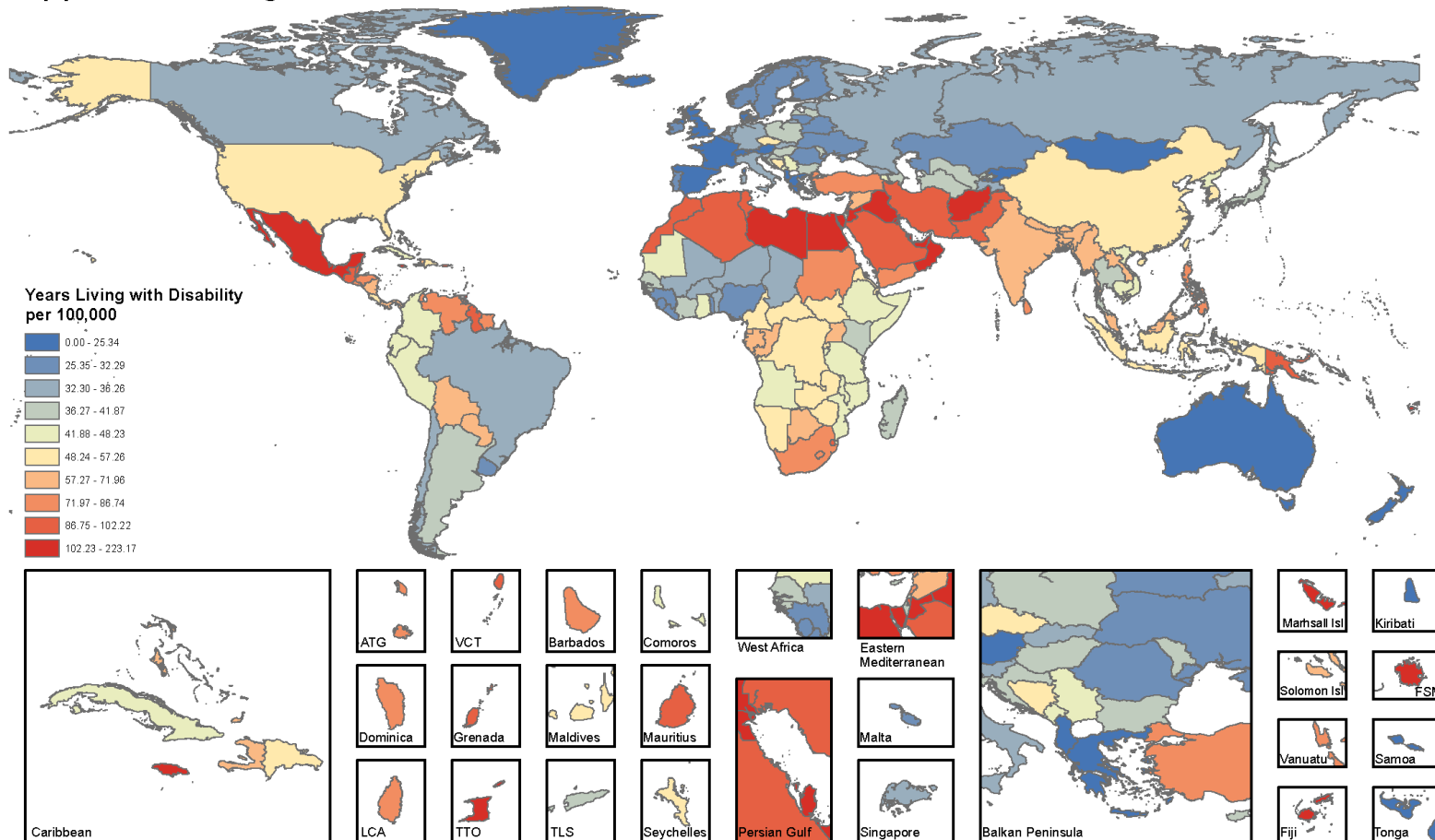
Sweden	4.6 (1.7-8.4)	47.0 (17.4-84.8)	31.0 (11.4-56.2)	2.0 (0.8-3.2)	20.7 (8.4-32.6)	12.2 (5.0-19.3)	6.7 (2.6-11.4)	67.7 (26.5-115.0)	43.3 (16.9-74.1)
Switzerland	2.8 (1.5-4.4)	33.7 (18.2-53.0)	22.0 (11.7-35.1)	1.8 (1.1-2.5)	20.9 (12.7-30.4)	11.9 (7.2-17.3)	4.6 (2.7-6.8)	54.7 (32.8-80.6)	34.0 (20.2-50.5)
Syria	8.5 (4.6-13.3)	46.9 (25.3-73.0)	71.6 (39.1-111.0)	3.7 (2.7-4.7)	20.2 (14.6-26.0)	35.7 (25.8-45.8)	12.2 (7.8-17.5)	67.1 (43.0-96.2)	107.3 (69.1-152.8)
Tajikistan	1.7 (1.0-2.7)	20.2 (11.3-30.9)	33.5 (18.9-51.1)	3.3 (2.4-4.5)	39.0 (27.4-51.9)	64.6 (45.3-86.3)	5.1 (3.6-6.7)	59.3 (42.2-78.1)	98.4 (70.2-129.1)
Tanzania	10.7 (6.1-16.5)	19.7 (11.1-30.3)	41.9 (24.0-64.0)	21.5 (14.5-29.2)	39.5 (26.5-53.6)	93.1 (62.9-126.0)	32.4 (21.7-43.9)	59.3 (39.9-80.5)	135.3 (91.7-182.8)
Thailand	34.2 (19.1-52.9)	50.7 (28.3-78.3)	40.7 (22.6-63.0)	48.1 (33.2-64.1)	71.2 (49.2-94.9)	58.3 (40.3-77.8)	82.5 (56.1-111.8)	122.3 (83.2-165.6)	99.4 (67.7-134.3)
The Bahamas	0.3 (0.2-0.5)	74.0 (39.5-117.7)	70.8 (38.1-112.0)	0.4 (0.2-0.5)	97.2 (61.8-133.9)	99.4 (63.2-136.8)	0.7 (0.4-1.0)	171.6 (107.3-240.9)	170.7 (107.2-238.8)
The Gambia	0.3 (0.2-0.5)	14.8 (8.6-22.2)	32.3 (18.9-48.5)	0.5 (0.3-0.7)	23.2 (15.7-31.9)	65.7 (43.5-91.7)	0.8 (0.5-1.0)	38.1 (26.3-51.3)	98.3 (68.6-131.9)
Timor-Leste	0.3 (0.2-0.5)	25.9 (13.6-41.6)	41.8 (21.9-66.9)	0.3 (0.2-0.5)	29.4 (17.0-44.5)	52.0 (30.6-78.4)	0.6 (0.4-0.9)	55.6 (34.5-80.0)	94.5 (58.9-135.1)
Togo	1.3 (0.7-1.9)	17.0 (9.4-26.3)	32.3 (18.4-49.3)	2.6 (1.7-3.7)	35.2 (23.0-49.4)	82.4 (53.4-116.5)	3.9 (2.6-5.3)	52.3 (35.4-71.4)	114.9 (77.5-157.6)
Tonga	0.0 (0.0-0.1)	0.0 (0.0-93.6)	0.0 (0.0-133.6)	0.0 (0.0-0.2)	0.0 (0.0-184.3)	0.0 (0.0-284.2)	0.0 (0.0-0.3)	0.0 (0.0-276.4)	0.0 (0.0-417.0)
Trinidad and Tobago	2.1 (1.1-3.3)	156.8 (85.8-245.5)	136.2 (74.5-213.5)	4.0 (2.6-5.3)	296.1 (191.6-399.1)	267.5 (173.0-360.1)	6.1 (3.9-8.4)	453.5 (289.5-625.7)	404.2 (258.0-556.7)
Tunisia	10.3 (5.5-16.0)	91.9 (49.3-142.9)	92.3 (49.7-143.1)	6.6 (4.6-8.7)	58.5 (41.2-77.9)	65.6 (46.2-87.5)	16.9 (11.2-23.6)	150.6 (99.6-210.3)	158.1 (106.0-219.0)

Turkey	60.3 (34.0-92.4)	76.1 (42.9-116.5)	80.8 (46.0-123.2)	42.5 (29.7-56.7)	53.6 (37.5-71.5)	61.7 (43.1-82.4)	103.0 (68.9-142.9)	129.8 (86.8-180.1)	142.8 (96.4-196.4)
Turkmenistan	1.5 (0.8-2.3)	27.4 (15.3-42.2)	36.9 (20.8-56.6)	2.6 (1.8-3.3)	46.5 (33.0-59.9)	62.4 (44.3-80.2)	4.1 (2.8-5.4)	73.9 (51.4-98.0)	99.2 (69.0-131.6)
Uganda	9.8 (5.8-14.6)	24.2 (14.3-36.1)	62.1 (37.5-91.4)	17.5 (12.5-23.0)	43.3 (31.1-56.9)	126.3 (90.6-166.2)	27.3 (19.9-35.5)	67.7 (49.2-87.8)	188.8 (137.5-245.0)
Ukraine	18.8 (10.5-29.4)	41.3 (22.9-64.4)	28.5 (15.6-44.7)	7.8 (4.8-11.5)	17.2 (10.5-25.2)	12.6 (7.6-18.5)	26.8 (16.4-39.2)	58.7 (35.9-86.0)	41.3 (25.2-60.5)
United Arab Emirates	9.5 (5.1-14.7)	99.1 (53.3-153.3)	134.2 (72.4-207.2)	4.0 (2.6-5.7)	42.1 (27.5-59.4)	117.0 (80.6-158.9)	13.6 (8.6-19.4)	141.5 (90.0-202.5)	251.6 (174.7-340.6)
United Kingdom	22.9 (12.1-36.7)	35.1 (18.5-56.1)	24.1 (12.7-38.7)	8.8 (5.7-11.8)	13.5 (8.7-18.0)	8.7 (5.6-11.6)	31.8 (18.6-47.6)	48.6 (28.5-72.8)	32.9 (19.2-49.5)
United States	216.2 (107.7-354.2)	67.0 (33.4-109.7)	50.0 (25.0-81.8)	134.4 (76.8-188.5)	41.6 (23.8-58.4)	30.7 (17.6-43.1)	350.4 (191.5-529.1)	108.5 (59.3-163.9)	80.7 (43.9-122.2)
Uruguay	1.2 (0.6-1.9)	33.6 (17.5-54.0)	27.3 (14.1-44.1)	1.4 (0.9-1.9)	40.0 (25.0-54.7)	30.2 (18.9-41.2)	2.5 (1.5-3.6)	73.7 (44.9-105.0)	57.5 (34.8-82.6)
Uzbekistan	9.5 (5.5-14.5)	31.4 (18.1-47.6)	41.6 (23.9-63.2)	23.0 (16.4-29.8)	75.5 (53.9-98.0)	103.8 (74.2-134.3)	32.6 (23.2-42.6)	107.0 (76.2-139.8)	145.6 (103.7-189.8)
Vanuatu	0.2 (0.1-0.3)	55.4 (23.1-97.2)	84.8 (35.7-147.4)	0.4 (0.2-0.6)	128.4 (57.7-208.8)	226.0 (102.3-364.8)	0.5 (0.2-0.8)	185.2 (84.8-295.0)	313.2 (144.1-494.8)
Venezuela	20.6 (11.2-32.3)	65.6 (35.6-102.7)	75.6 (41.2-118.2)	22.3 (14.9-30.6)	71.0 (47.5-97.4)	91.7 (61.6-125.1)	43.1 (28.8-59.1)	137.1 (91.6-188.1)	167.9 (112.5-229.9)
Vietnam	42.6 (24.0-65.6)	45.3 (25.4-69.6)	48.0 (27.1-73.7)	61.4 (42.9-81.2)	65.2 (45.5-86.1)	78.2 (54.7-103.1)	104.3 (71.4-140.7)	110.7 (75.8-149.3)	126.6 (87.0-170.1)
Virgin Islands, U.S.	0.1 (0.1-0.2)	112.1 (62.0-175.2)	77.7 (42.7-121.8)	0.2 (0.1-0.2)	161.4 (105.0-220.6)	99.4 (64.6-136.0)	0.3 (0.2-0.4)	274.2 (176.0-380.2)	177.5 (113.7-247.5)

Yemen	10.0 (5.6-15.3)	35.4 (19.8-54.3)	73.2 (41.1-111.9)	10.8 (7.6-14.3)	38.3 (27.1-50.7)	96.4 (68.6-126.7)	20.8 (14.3-28.1)	73.9 (51.0-100.0)	169.8 (119.3-226.6)
Zambia	3.8 (2.2-5.8)	22.9 (13.1-35.0)	53.4 (30.8-81.2)	7.4 (4.7-10.6)	44.6 (28.5-63.5)	115.2 (73.4-165.1)	11.3 (7.6-15.5)	67.8 (45.4-92.9)	169.4 (113.6-231.8)
Zimbabwe	4.1 (2.4-6.3)	25.9 (14.8-39.5)	55.4 (31.6-85.0)	13.4 (8.7-18.9)	84.1 (54.5-118.4)	207.8 (134.0-293.7)	17.6 (11.6-24.3)	110.3 (72.9-152.0)	264.1 (173.6-365.6)
PM _{2.5} , particulate matter <2.5 µm in aerodynamic diameter									

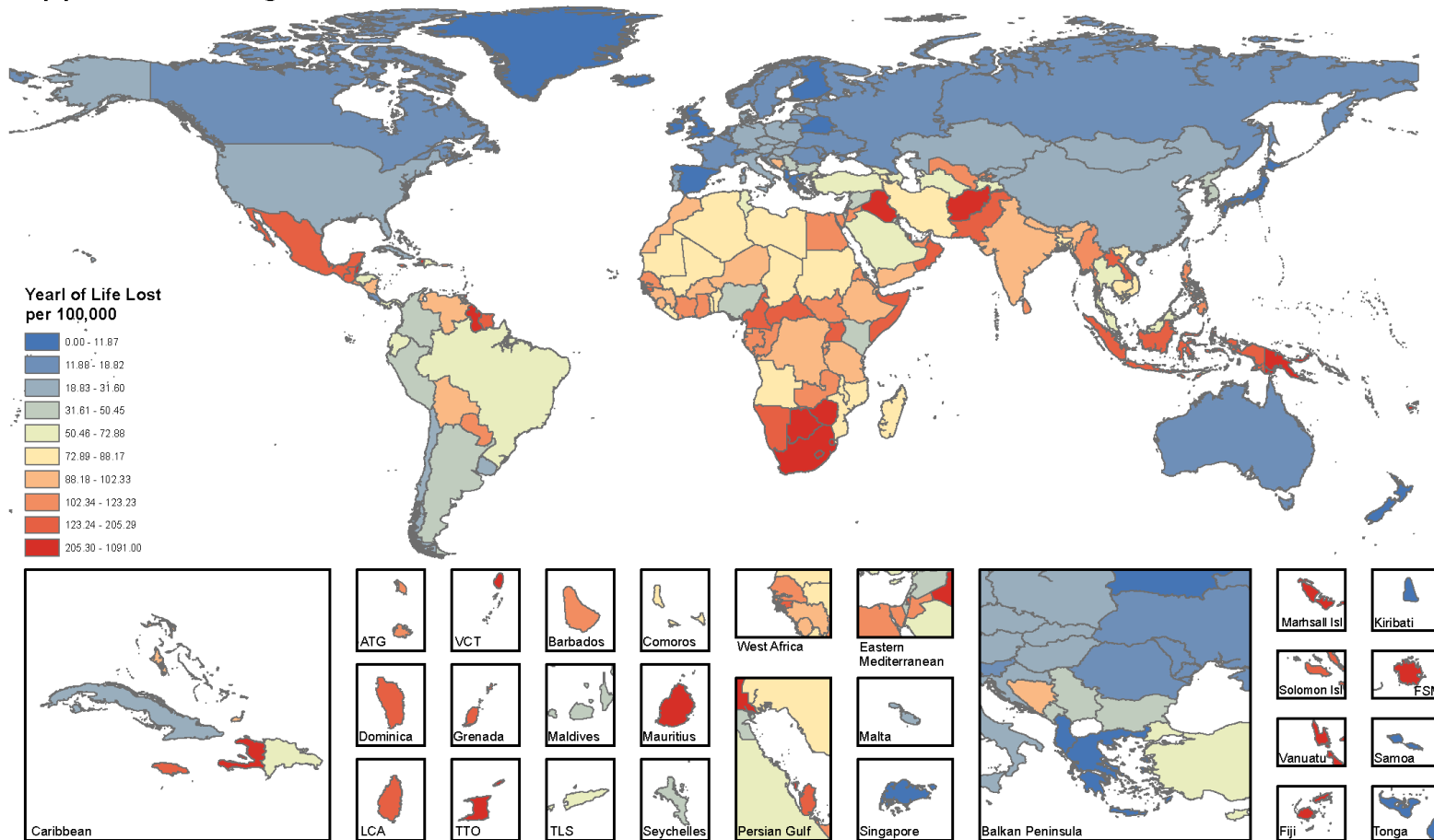
Supplemental Figure 1a: Age-standardized burden of years living with disability (YLD) due to incident diabetes attributable to PM2.5 per 100 000 population. ATG=Antigua and Barbuda. VCT=Saint Vincent and the Grenadines. LCA=Saint Lucia. TTO=Trinidad and Tobago. Isl=Island. FSM=Federated States of Micronesia. TLS=Timor-Leste.

Supplemental Figure 1a



Supplemental Figure 1b: Age-standardized burden of years of life lost (YLL) due to incident diabetes attributable to PM2.5 per 100 000 population. ATG=Antigua and Barbuda. VCT=Saint Vincent and the Grenadines. LCA=Saint Lucia. TTO=Trinidad and Tobago. Isl=Island. FSM=Federated States of Micronesia. TLS=Timor-Leste.

Supplemental Figure 1b



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