

# Supplemental Information— Global Demographics Supporting SEIR Modeling

## Regional and Economic Divisions

We used the World Bank’s classifications of geography and income to group economies for demographic analysis.<sup>1</sup> The World Bank divides the world into seven geographic regions and four income categories.<sup>2</sup> We analyzed high-income countries<sup>3</sup> in each geographic region separately from the rest of the countries in that region.<sup>4</sup>

## Population and Age Demographics

Data was collected from the World Bank Indicators database.<sup>5</sup> The World Bank reports total population and population breakdowns for ages 0-14, 15-64, and 65 and up. For epidemiological contact rates, we are interested in pre-school, school age, adult, and senior populations. Assuming a flat distribution within each of these age categories, we re-divided the age demographics into 0-4, 5-19, 20-64, and 65+ for each country. For each region, we calculated population-weighted averages for each of these age ranges.

Table S1. Population-Weighted Averages for Age Ranges by Region										
Region	High-Income					Not High-Income				
	Population	0-4	5-19	20-64	65+	Population	0-4	5-19	20-64	65+
East Asia & Pacific	2.20E+08	4.7%	16.0%	58.8%	20.4%	2.02E+09	7.0%	21.1%	63.9%	8.1%
Europe & Central Asia	6.38E+08	5.3%	17.2%	60.1%	17.4%	2.63E+08	7.3%	21.5%	61.4%	9.8%
Latin America & Caribbean	9.99E+07	8.1%	22.9%	59.3%	9.7%	5.22E+08	9.0%	24.5%	59.5%	7.0%
Middle East & North Africa	5.85E+07	8.3%	23.8%	64.3%	3.6%	3.51E+08	10.1%	26.6%	58.3%	4.9%
North America	3.54E+08	6.4%	19.4%	59.8%	14.4%	-	-	-	-	-
South Asia	-	-	-	-	-	1.69E+09	9.9%	26.3%	58.6%	5.2%
Sub-Saharan Africa	8.70E+05	12.3%	30.6%	53.8%	3.3%	9.61E+08	14.3%	34.0%	48.6%	3.1%

## Enrollment Rate and Class Size

The World Bank reports total enrollment numbers for preprimary, primary, and secondary school in many countries through the Education Statistics database.<sup>6</sup> For each region, we calculated enrollment rate by

<sup>1</sup> The World Bank usually reports indicators on a country level, but some special economic zones are reported separately (e.g. Hong Kong, Macau, Taiwan, Puerto Rico). The World Bank uses “economies” and “countries” interchangeably without reference to political independence.

<sup>2</sup>The World Bank Group. Country and Lending Groups <http://data.worldbank.org/about/country-and-lending-groups>. Last Update July 2015. Accessed August 5, 2015.

<sup>3</sup> For fiscal year 2016, economies with per capita Gross National Income above \$12,736 are considered high-income.

<sup>4</sup> There are no high-income countries in South Asia, and only high-income countries in North America. This leads to 12 regions.

<sup>5</sup> The World Bank Group. Indicators. <http://data.worldbank.org/indicator>. Last Update November 2015. Accessed August 5, 2015.

<sup>6</sup> The World Bank Group. Education Statistics - All Indicators. <http://data.worldbank.org/about/data-updates-errata>. Last Update September 2015. Accessed August 5, 2015.

adding together these enrollment figures and dividing by the total regional population aged 5-19. Countries that did not report enrollment data were omitted.

We used pupil-to-teacher ratio as a proxy for class size. The World Bank also reports pupil-to-teacher ratios for many countries at preprimary, primary, and secondary school levels. For each region, we calculated an enrollment-weighted average pupil-to-teacher ratio. Countries that did not report enrollment data or pupil-to-teacher ratio were omitted.

Region	High-Income				Not High-Income			
	Age 5-19	Enrollment	Percent	Class Size	Age 5-19	Enrollment	Percent	Class Size
East Asia & Pacific	3.52E+07	3.07E+07	90.2%	13.4	4.26E+08	3.46E+08	84.9%	18.1
Europe & Central Asia	1.10E+08	1.05E+08	95.7%	12.2	5.64E+07	4.05E+07	86.0%	15.5
Latin America & Caribbean	2.28E+07	2.25E+07	103.8%	10.4	1.28E+08	1.20E+08	97.4%	20.7
Middle East & North Africa	1.39E+07	1.21E+07	86.7%	10.2	9.36E+07	6.22E+07	76.8%	14.7
North America	6.88E+07	6.27E+07	91.1%	13.2	-	-	-	-
South Asia	-	-	-	-	4.45E+08	3.32E+08	74.7%	30.3
Sub-Saharan Africa	2.66E+05	1.53E+05	57.5%	22.1	3.27E+08	1.70E+08	69.2%	40.4

## Household Size Distribution

As described in the main report, the contact rate study groups households into sizes 1-5 and 6+, and thus, in order to create adjusted contact matrices for each region, we gathered global data on household size distributions. Countries with incomplete or no data were excluded. In addition, countries for which data were available but it was impossible to reorganize the data into households of size 1-5 and 6+ were also excluded. Data for each included country came from one of many different sources, with all sources listed in the next section. For each country, these data were converted to percent of the population living in a given household size, by assuming that exactly six people lived in each household of six or more, and then applying the following equation:

$$P_i = H_i / \bar{s}$$

Where  $P_i$  is the percentage of the population living in a household of size  $i$ ,  $H_i$  is the percentage of households that are of size  $i$ , and  $\bar{s}$  is the mean household size.

The  $P_i$  values from each country were combined with its population to derive  $\bar{P}_i$ , the mean regional percentage of the population in household size  $i$ , and it was these  $\bar{P}_i$  values that were used to compute the region specific contact matrices. The  $\bar{P}_i$  values are summarized in Table S3.

Region	Population by Household Size, High Income (Percent)						Population by Household Size, Not High Income (Percent)					
	1	2	3	4	5	6+	1	2	3	4	5	6+
East Asia & Pacific	11.1	21.0	22.2	26.3	11.7	7.8	4.0	15.1	23.8	23.4	16.3	17.5

	Population by Household Size, High Income (Percent)						Population by Household Size, Not High Income (Percent)					
Europe & Central Asia	13.1	26.4	22.2	23.5	9.5	5.4	5.0	13.8	17.1	22.5	16.5	25.1
Latin America & Caribbean	8.2	15.2	19.9	22.4	14.9	19.6	2.0	7.6	15.3	23.4	21.3	30.4
Middle East & North Africa	4.6	11.4	12.2	17.9	18.0	36.0	1.1	4.6	8.7	16.4	20.2	49.0
North America	10.7	26.9	19.0	22.0	12.4	9.0	-	-	-	-	-	-
South Asia	-	-	-	-	-	-	0.8	4.2	9.5	20.1	20.7	44.7
Sub-Saharan Africa	4.5	9.0	11.3	12.8	13.8	48.6	2.7	5.6	10.1	14.3	16.1	51.3

## Household Size Data Sources

Table S4. Sources of Household Size Data	
Country	Source
<b>East Asia &amp; Pacific Regions</b>	
Australia	Australian Bureau of Statistics. Australia Household Size. <a href="http://profile.id.com.au/australia/household-size?WebID=10">http://profile.id.com.au/australia/household-size?WebID=10</a> . Last Update 2011. Accessed September 2015.
Brunei Darussalam	(2010) Brunei Darussalam Household ICT Survey Report. Authority for Information Communications Technology Industry of Brunei Darussalam.
Hong Kong SAR, China	Census and Statistics Department, Hong Kong Special Administrative Region (2011) Hong Kong Domestic Household Projections up to 2041. <i>Hong Kong Monthly Digest of Statistics</i> .
Japan	Statistics Bureau, Ministry of Internal Affairs and Communications. (2010) Japan Statistical Yearbook.
Korea, Rep.	Statistics Korea. (2010) Results of the 2010 Population and Housing Census (Households and Housing Units).
Macao SAR, China	Statistics and Census Service (DSEC) of the Macao Government. (2012) Results of 2011 Population Census.
New Zealand	Statistics New Zealand. (2013) The New Zealand Census of Population and Dwellings.
Singapore	Department of Statistics Singapore. (2010) Singapore Census of Population 2010.
Taiwan, China	National Statistics, Republic of China (Taiwan). (2010) 2010 Population and Housing Census.
China	National Bureau of Statistics of China. (2013) China Statistical Yearbook.
Fiji	Fiji Bureau of Statistics. (2007) 2007 Census of Fiji.
Indonesia	Badan Pusat Statistik-Statistics Indonesia (BPS) and ORC Macro. (2003) Indonesia Demographic and Health Survey 2002-2003.
Cambodia	National Institute of Statistics, Directorate General for Health, and ICF Macro. (2011) Cambodia Demographic and Health Survey 2010.
Lao PDR	Lao Statistics Bureau. (2005) Census of Population and Housing, 1 March 2005.
Marshall Islands	Economic Policy, Planning and Statistics Office, Republic of the Marshall Islands, and the SPC Statistics for Development Programme. (2012) Republic of the Marshall Islands 2011 Census Report.
Philippines	Philippine Statistics Authority (PSA) [Philippines], and ICF International. (2014) Philippines National Demographic and Health Survey 2013.
Palau	Office of Planning and Statistics, Republic of Palau. (2005) 2005 Census of Population and Housing of the Republic of Palau.
Korea, Dem. Rep.	Korean Statistical Information Service. Summary of census household (by administrative district/living quarters). <a href="http://kosis.kr/">http://kosis.kr/</a> . Last Update April 2015. Accessed September 2015.

Country	Source
Timor-Leste	National Statistics Directorate (NSD) [Timor-Leste], Ministry of Finance [Timor-Leste], and ICF Macro. (2010) Timor-Leste Demographic and Health Survey 2009-10.
Tonga	Tonga Department of Statistics, Secretariat of the Pacific Community. (2014) Tonga 2011 Census of Population and Housing, Volume 2: Analytical Report.
Tuvalu	Secretariat of the Pacific Community. (2005) Tuvalu 2002: Population and Housing Census, Volume 1: Analytical Report.
Vietnam	General Statistics Office of Vietnam. (2010) The 2009 Vietnam Population and Housing Census: Completed Results.
Vanuatu	Vanuatu National Statistics Office. (2009) 2009 National Population and Housing Census, Basic Tables Report: Volume 1.
Samoa	Samoa Bureau of Statistics. (2008) Household Income and Expenditure Survey, Tabulation Report.
<b>Europe &amp; Central Asia Regions</b>	
Andorra	Department d'Estadística. % households by number of members (base 2010). <a href="http://www.estadistica.ad/serveiestudis/web/banc_dades4.asp?lang=2&amp;codi_tema=15&amp;codi_divisio=1984&amp;codi_subtemes=222">http://www.estadistica.ad/serveiestudis/web/banc_dades4.asp?lang=2&amp;codi_tema=15&amp;codi_divisio=1984&amp;codi_subtemes=222</a> . Accessed September 2015.
Austria	Eurostat, the Statistical Office of the European Union. Distribution of households by household size. <a href="http://appsso.eurostat.ec.europa.eu/nui/show.do">http://appsso.eurostat.ec.europa.eu/nui/show.do</a> . Last Update October 2015. Accessed September 2015.
Belgium	Eurostat, the Statistical Office of the European Union. Distribution of households by household size. <a href="http://appsso.eurostat.ec.europa.eu/nui/show.do">http://appsso.eurostat.ec.europa.eu/nui/show.do</a> . Last Update October 2015. Accessed September 2015.
Switzerland	Eurostat, the Statistical Office of the European Union. Distribution of households by household size. <a href="http://appsso.eurostat.ec.europa.eu/nui/show.do">http://appsso.eurostat.ec.europa.eu/nui/show.do</a> . Last Update October 2015. Accessed September 2015.
Cyprus	Eurostat, the Statistical Office of the European Union. Distribution of households by household size. <a href="http://appsso.eurostat.ec.europa.eu/nui/show.do">http://appsso.eurostat.ec.europa.eu/nui/show.do</a> . Last Update October 2015. Accessed September 2015.
Czech Republic	Eurostat, the Statistical Office of the European Union. Distribution of households by household size. <a href="http://appsso.eurostat.ec.europa.eu/nui/show.do">http://appsso.eurostat.ec.europa.eu/nui/show.do</a> . Last Update October 2015. Accessed September 2015.
Germany	Eurostat, the Statistical Office of the European Union. Distribution of households by household size. <a href="http://appsso.eurostat.ec.europa.eu/nui/show.do">http://appsso.eurostat.ec.europa.eu/nui/show.do</a> . Last Update October 2015. Accessed September 2015.
Denmark	Eurostat, the Statistical Office of the European Union. Distribution of households by household size. <a href="http://appsso.eurostat.ec.europa.eu/nui/show.do">http://appsso.eurostat.ec.europa.eu/nui/show.do</a> . Last Update October 2015. Accessed September 2015.
Spain	Eurostat, the Statistical Office of the European Union. Distribution of households by household size. <a href="http://appsso.eurostat.ec.europa.eu/nui/show.do">http://appsso.eurostat.ec.europa.eu/nui/show.do</a> . Last Update October 2015. Accessed September 2015.
Estonia	Eurostat, the Statistical Office of the European Union. Distribution of households by household size. <a href="http://appsso.eurostat.ec.europa.eu/nui/show.do">http://appsso.eurostat.ec.europa.eu/nui/show.do</a> . Last Update October 2015. Accessed September 2015.
Finland	Eurostat, the Statistical Office of the European Union. Distribution of households by household size. <a href="http://appsso.eurostat.ec.europa.eu/nui/show.do">http://appsso.eurostat.ec.europa.eu/nui/show.do</a> . Last Update October 2015. Accessed September 2015.
France	Eurostat, the Statistical Office of the European Union. Distribution of households by household size. <a href="http://appsso.eurostat.ec.europa.eu/nui/show.do">http://appsso.eurostat.ec.europa.eu/nui/show.do</a> . Last Update October 2015. Accessed September 2015.
Faroe Islands	Hagstova Føroya (Faroe Statistics). CS 2.1.3 Private households by type, size and place of residence. <a href="http://www.hagstova.fo/en/statbank/census/2011/households/type-and-size-of-households">http://www.hagstova.fo/en/statbank/census/2011/households/type-and-size-of-households</a> . Last Update October 2014. Accessed September 2015.

Country	Source
United Kingdom	Eurostat, the Statistical Office of the European Union. Distribution of households by household size. <a href="http://appsso.eurostat.ec.europa.eu/nui/show.do">http://appsso.eurostat.ec.europa.eu/nui/show.do</a> . Last Update October 2015. Accessed September 2015.
Greece	Eurostat, the Statistical Office of the European Union. Distribution of households by household size. <a href="http://appsso.eurostat.ec.europa.eu/nui/show.do">http://appsso.eurostat.ec.europa.eu/nui/show.do</a> . Last Update October 2015. Accessed September 2015.
Croatia	Eurostat, the Statistical Office of the European Union. Distribution of households by household size. <a href="http://appsso.eurostat.ec.europa.eu/nui/show.do">http://appsso.eurostat.ec.europa.eu/nui/show.do</a> . Last Update October 2015. Accessed September 2015.
Hungary	Eurostat, the Statistical Office of the European Union. Distribution of households by household size. <a href="http://appsso.eurostat.ec.europa.eu/nui/show.do">http://appsso.eurostat.ec.europa.eu/nui/show.do</a> . Last Update October 2015. Accessed September 2015.
Isle of Man	Isle of Man Government Treasury, Economic Affairs Division. (2012) Isle of Man Census Report 2011.
Ireland	Eurostat, the Statistical Office of the European Union. Distribution of households by household size. <a href="http://appsso.eurostat.ec.europa.eu/nui/show.do">http://appsso.eurostat.ec.europa.eu/nui/show.do</a> . Last Update October 2015. Accessed September 2015.
Iceland	Eurostat, the Statistical Office of the European Union. Distribution of households by household size. <a href="http://appsso.eurostat.ec.europa.eu/nui/show.do">http://appsso.eurostat.ec.europa.eu/nui/show.do</a> . Last Update October 2015. Accessed September 2015.
Italy	Eurostat, the Statistical Office of the European Union. Distribution of households by household size. <a href="http://appsso.eurostat.ec.europa.eu/nui/show.do">http://appsso.eurostat.ec.europa.eu/nui/show.do</a> . Last Update October 2015. Accessed September 2015.
Liechtenstein	Amt für Statistik (AS) (Office of Statistics). 02.10.01e Private households by type of household, size and municipality. <a href="http://etab.llv.li/PXWeb/pxweb/en/eTab/eTab__02%20Population%20and%20housing__10%20Census%20-%20Households/02_10_01e.px/?rxid=81604bec-9289-4bab-a4eb-5a702e2d1390">http://etab.llv.li/PXWeb/pxweb/en/eTab/eTab__02%20Population%20and%20housing__10%20Census%20-%20Households/02_10_01e.px/?rxid=81604bec-9289-4bab-a4eb-5a702e2d1390</a> . Accessed September 2015.
Lithuania	Eurostat, the Statistical Office of the European Union. Distribution of households by household size. <a href="http://appsso.eurostat.ec.europa.eu/nui/show.do">http://appsso.eurostat.ec.europa.eu/nui/show.do</a> . Last Update October 2015. Accessed September 2015.
Luxembourg	Eurostat, the Statistical Office of the European Union. Distribution of households by household size. <a href="http://appsso.eurostat.ec.europa.eu/nui/show.do">http://appsso.eurostat.ec.europa.eu/nui/show.do</a> . Last Update October 2015. Accessed September 2015.
Latvia	Eurostat, the Statistical Office of the European Union. Distribution of households by household size. <a href="http://appsso.eurostat.ec.europa.eu/nui/show.do">http://appsso.eurostat.ec.europa.eu/nui/show.do</a> . Last Update October 2015. Accessed September 2015.
Monaco	Monaco Statistics (IMSEE). (2008) Recensement General de la Population 2008, Principauté de Monaco.
Netherlands	Eurostat, the Statistical Office of the European Union. Distribution of households by household size. <a href="http://appsso.eurostat.ec.europa.eu/nui/show.do">http://appsso.eurostat.ec.europa.eu/nui/show.do</a> . Last Update October 2015. Accessed September 2015.
Norway	Eurostat, the Statistical Office of the European Union. Distribution of households by household size. <a href="http://appsso.eurostat.ec.europa.eu/nui/show.do">http://appsso.eurostat.ec.europa.eu/nui/show.do</a> . Last Update October 2015. Accessed September 2015.
Poland	Eurostat, the Statistical Office of the European Union. Distribution of households by household size. <a href="http://appsso.eurostat.ec.europa.eu/nui/show.do">http://appsso.eurostat.ec.europa.eu/nui/show.do</a> . Last Update October 2015. Accessed September 2015.
Portugal	Eurostat, the Statistical Office of the European Union. Distribution of households by household size. <a href="http://appsso.eurostat.ec.europa.eu/nui/show.do">http://appsso.eurostat.ec.europa.eu/nui/show.do</a> . Last Update October 2015. Accessed September 2015.
Russian Federation	Russian Federal State Statistics Service. 2. ЧАСТНЫЕ ДОМОХОЗЯЙСТВА ПО РАЗМЕРУ ДОМОХОЗЯЙСТВА ПО СУБЪЕКТАМ РОССИЙСКОЙ ФЕДЕРАЦИИ, The results of the national census in 2010.

Country	Source
	<a href="http://www.gks.ru/free_doc/new_site/perepis2010/croc/Documents/Vol6/pub-06-02.pdf">http://www.gks.ru/free_doc/new_site/perepis2010/croc/Documents/Vol6/pub-06-02.pdf</a> . Accessed September 2015.
Slovak Republic	Eurostat, the Statistical Office of the European Union. Distribution of households by household size. <a href="http://appsso.eurostat.ec.europa.eu/nui/show.do">http://appsso.eurostat.ec.europa.eu/nui/show.do</a> . Last Update October 2015. Accessed September 2015.
Slovenia	Eurostat, the Statistical Office of the European Union. Distribution of households by household size. <a href="http://appsso.eurostat.ec.europa.eu/nui/show.do">http://appsso.eurostat.ec.europa.eu/nui/show.do</a> . Last Update October 2015. Accessed September 2015.
Sweden	Eurostat, the Statistical Office of the European Union. Distribution of households by household size. <a href="http://appsso.eurostat.ec.europa.eu/nui/show.do">http://appsso.eurostat.ec.europa.eu/nui/show.do</a> . Last Update October 2015. Accessed September 2015.
Albania	Institute of Statistics, Institute of Public Health [Albania] and ICF Macro. (2010) Albania Demographic and Health Survey 2008-09.
Armenia	National Statistical Service of the Republic of Armenia. (2011) Population Census 2011, Table 7.1 Households (urban, rural) by Type, Structure and Number of Family Nuclei.
Azerbaijan	State Statistical Committee (SSC) [Azerbaijan] and Macro International Inc. (2008) Azerbaijan Demographic and Health Survey 2006.
Bulgaria	Eurostat, the Statistical Office of the European Union. Distribution of households by household size. <a href="http://appsso.eurostat.ec.europa.eu/nui/show.do">http://appsso.eurostat.ec.europa.eu/nui/show.do</a> . Last Update October 2015. Accessed September 2015.
Bosnia and Herzegovina	Agency for Statistics of Bosnia and Herzegovina. (2007) The BiH Household Budget Survey 2007.
Kazakhstan	The Agency on Statistics of the Republic of Kazakhstan. (2011) Results of the 2009 National Population Census of the Republic of Kazakhstan, Analytical Report.
Kyrgyz Republic	National Statistical Committee of the Kyrgyz Republic (NSC), Ministry of Health [Kyrgyz Republic], and ICF International. (2013) Kyrgyz Republic Demographic and health Survey 2012.
Moldova	National Bureau of Statistics of the Republic of Moldova. Households – Households by size and localities, in territorial aspect (2004). <a href="http://www.statistica.md/pageview.php?l=en&amp;idc=295&amp;id=2360">http://www.statistica.md/pageview.php?l=en&amp;idc=295&amp;id=2360</a> . Accessed September 2015.
Macedonia, FYR	Eurostat, the Statistical Office of the European Union. Distribution of households by household size. <a href="http://appsso.eurostat.ec.europa.eu/nui/show.do">http://appsso.eurostat.ec.europa.eu/nui/show.do</a> . Last Update October 2015. Accessed September 2015.
Montenegro	Montenegro Statistical Office. (2011) Structure of Households in Montenegro, Census of Population, Households and Dwellings in Montenegro 2011.
Romania	Eurostat, the Statistical Office of the European Union. Distribution of households by household size. <a href="http://appsso.eurostat.ec.europa.eu/nui/show.do">http://appsso.eurostat.ec.europa.eu/nui/show.do</a> . Last Update October 2015. Accessed September 2015.
Serbia	Eurostat, the Statistical Office of the European Union. Distribution of households by household size. <a href="http://appsso.eurostat.ec.europa.eu/nui/show.do">http://appsso.eurostat.ec.europa.eu/nui/show.do</a> . Last Update October 2015. Accessed September 2015.
Tajikistan	Agency for Statistics under the President of the Republic of Tajikistan. (2010) The number and composition of households of the republic of Tajikistan, Volume V.
Turkmenistan	Gurbansoltan Eje Clinical Research Center for Maternal and Child Health (GECRCMCH), Ministry of Health and Medical Industry [Turkmenistan], and ORC Macro. (2011) Turkmenistan Demographic and Health Survey 2000.
Turkey	Eurostat, the Statistical Office of the European Union. Distribution of households by household size. <a href="http://appsso.eurostat.ec.europa.eu/nui/show.do">http://appsso.eurostat.ec.europa.eu/nui/show.do</a> . Last Update October 2015. Accessed September 2015.
Ukraine	Ukrainian Center for Social Reforms (UCSR), State Statistical Committee (SSC) [Ukraine], Ministry of Health (MOH) [Ukraine], and Macro International Inc. (2008) Ukraine Demographic and Health Survey 2007.

Country	Source
Uzbekistan	Institute of Obstetrics and Gynecology [Uzbekistan] and Macro International Inc. (1997) Uzbekistan Demographic and Health Survey, 1996.
<b>Latin America &amp; Caribbean Regions</b>	
Antigua and Barbuda	Statistics Division, Ministry of Finance, the Economy, Public Administration, Public Broadcasting and Information. (2014) Antigua and Barbuda 2011 Population and Housing Census, Book of Statistical Tables 1.
Bahamas, The	Department of Statistics of The Bahamas. (2010) 2010 Census of Population and Housing.
Barbados	Barbados Statistical Service (BSS). (2013) 2010 Population and Housing Census.
Curacao	Central Bureau of Statistics. (2005) Fourth Population and Housing Census Netherlands Antilles 2001, Section H – Tables Dealing with Household Characteristics.
Cayman Islands	Economics and Statistics Office. (2011) The Cayman Islands' 2010 Census of Population and Housing Report.
St. Kitts and Nevis	Caricom Capacity Development Programme (CCDP) and Canadian International Development Agency (CIDA). (2001) 2000 Round of Population and Housing Census Sub-Project, National Census Report St. Kitts and Nevis.
Turks and Caicos Islands	Department of Economic Planning and Statistics. (2001) Turks and Caicos Islands Census 2011 Population and Housing Report.
Trinidad and Tobago	Central Statistics Office, Ministry of Planning and Sustainable Development, Government of The Republic of Trinidad and Tobago. (2012) Trinidad and Tobago 2011 Population and Housing Census, Demographic Report.
Bolivia	Instituto Nacional de Estadística. (2009) Encuesta Nacional de Demografía y Salud 2008.
Brazil	Sociedade Civil Bem-Estar Familiar no Brasil, BEMFAM and Programa de Pesquisas de Demografia e Saúde (DHS) Macro International Inc. (1997) Pesquisa Nacional Sobre Demografia e Saúde 1996.
Colombia	Asociación Probienestar de la Familia Colombiana Profamilia. (2011) Encuesta Nacional de Demografía y Salud 2010.
Dominica	Caricom Capacity Development Programme (CCDP) and Canadian International Development Agency (CIDA). (2001) 2000 Round of Population and Housing Census Sub-Project, National Census Report Dominica.
Dominican Republic	Centro de Estudios Sociales y Demográficos (CESDEM) and ICF International. (2014) Encuesta Demografía y de Salud 2013.
Guatemala	Instituto Nacional de Estadística (INE). (1999) Encuesta Nacional de Salud Materno Infantil 1998-1999.
Guyana	Beaie SK and Phil M, Bureau of Statistics. (2007) The Co-operative Republic of Guyana Population and Housing Census 2002.
Honduras	Secretaría de Salud [Honduras], Instituto Nacional de Estadística (INE) and ICF International. (2013) Encuesta Nacional de Salud y Demografía 2011-2012.
Haiti	Cayemittes, M <i>et al</i> , Ministère de la Santé Publique et de la Population (MSPP), IHE, and ICF International. (2013) Enquête Mortalité, Morbidité et Utilisation des Services, Haïti, 2012.
Mexico	Instituto Nacional de Estadística y Geografía. (2005) Conteo de Población y Vivienda 2005.
Nicaragua	Instituto Nacional de Estadísticas y Censos (INEC) and Ministerio de Salud (MINS). (2002) Encuesta Nicaragüense de Demografía y Salud.
Panama	Instituto Nacional de Estadística y Censo de la Contraloría General de Panamá. (2010) Características de las Viviendas y los Hogares.
Peru	Instituto Nacional de Estadística e Informática. (2015) Encuesta Demográfica y de Salud Familiar- ENDES.
Paraguay	Carrón JM <i>et al</i> , Centro Paraguayo de Estudios de Población and Institute for Resource Development/Macro Systems, Inc. (1991) Encuesta Nacional de Demografía y Salud 1990.

<b>Country</b>	<b>Source</b>
El Salvador	Dirección General de Estadística y Censos. (2009) Censo de Población y Vivienda 2007.
St. Vincent and the Grenadines	The Statistical Office of St. Vincent and the Grenadines. (2015) Living Conditions 2007.
<b>Middle East &amp; North Africa Regions</b>	
Bahrain	Central Informatics Organisation, Kingdom of Bahrain. (2010) Private Households by Governorate, Nationality and Households Size – 2010 Census.
Israel	Central Bureau of Statistics. (2012) Households Economic Characteristics and Housing Density Based on Labour Force Surveys 2011 – Households, by Size of Household and Population Group.
Kuwait	Kuwait Central Statistical Bureau. (2005) General Census of Population.
Malta	Eurostat, the Statistical Office of the European Union. Distribution of households by household size. <a href="http://appsso.eurostat.ec.europa.eu/nui/show.do">http://appsso.eurostat.ec.europa.eu/nui/show.do</a> . Last Update October 2015. Accessed September 2015.
Qatar	Ministry of Development Planning and Statistics, Statistics Sector. (2010) Qatar 2010 Population and Housing Census.
Egypt, Arab Rep.	El-Zanaty F and Way A, Cairo, Egypt: Ministry of Health, El-Zanaty and Associates, and Macro International. (2009) Egypt Demographic and Health Survey 2008.
Iran, Islamic Rep.	Statistical Center of Iran. (2011) Selected Findings of the 2011 National Population and Housing Census.
Iraq	Central Statistical Office – Government of Iraq. (2011) Iraq Knowledge Network Survey – 2011.
Jordan	Department of Statistics [Jordan] and ICF International. (2013) Jordan Population and Family Health Survey 2012.
Lebanon	Central Administration of Statistics. The National Survey of Household Living Conditions 2004-2005 (The Multipurpose Survey).
Libya	Bureau of Statistics and Census Libya. (2012) National Survey of the Population – Distribution of Libyan and non-Libyan Households by Number of Household Members & Urban/Rural Areas.
Morocco	Ministère de la Santé [Maroc], ORC Macro, et Ligue des États Arabes. (2005) Enquête sur la Population et la Santé Familiale (EPSF) 2003-2004.
Yemen, Rep.	Ministry of Public Health and Population (MOPHP), Central Statistical Organization (CSO) [Yemen], Pan Arab Program for Family Health (PAPFAM), and ICF International. (2015) Yemen National Health and Demographic Survey 2013.
<b>North American High Income</b>	
Bermuda	Government of Bermuda, Department of Statistics. (2012) 2010 Census Population and Housing.
Canada	Statistics Canada, 2011 Census of Population and Statistics Canada catalogue no. 98-313-XCB. Household size, by province and territory (2011 census). <a href="http://www.statcan.gc.ca/tables-tableaux/sum-som/101/cst01/famil53a-eng.htm">http://www.statcan.gc.ca/tables-tableaux/sum-som/101/cst01/famil53a-eng.htm</a> . Last Update February 2013. Accessed September 2015.
United States	U.S. Census Bureau. (2012) Statistical Abstract of the United States: 2012 – America’s Families and Living Arrangements, Current Population Reports.
<b>South Asia Not High Income</b>	
Bangladesh	Bangladesh Bureau of Statistics (BBS), Statistics and Informatics Division (SID), Ministry of Planning. (2012) Bangladesh Population and Housing Census 2011, National Report, Volume-4, Socio-economic and Demographic Report.
Bhutan	National Statistics Bureau, Bhutan and Asian Development Bank. (2013) Bhutan Living Standards Survey 2012 Report.
India	Office of the Registrar General & Census Commissioner, India. HH-01 Normal households by household size. <a href="http://www.censusindia.gov.in/2011census/hh-series/hh01.html">http://www.censusindia.gov.in/2011census/hh-series/hh01.html</a> . Accessed September 2015.



Country	Source
Maldives	Ministry of Health and Family (MOHF) [Maldives] and ICF Macro. (2010) Maldives Demographic and Health Survey 2009.
Nepal	Ministry of Health and Population (MOHP) [Nepal], New ERA, and ICF International Inc. (2012) Nepal Demographic and Health Survey 2011.
Pakistan	National Institute of Population Studies (NIPS) [Pakistan] and ICF International. (2013) Pakistan Demographic and Health Survey 2012-13.
<b>Sub-Saharan Africa Regions</b>	
Equatorial Guinea	Ministerio de Sanidad y Bienestar Social, Ministerio de Economía, Planificación e Inversiones Públicas, and ICF International. (2012) Encuesta Demográfica y de Salud (EDSGE-I) 2011.
Seychelles	Republic of Seychelles National Bureau of Statistics. (2012) Population and Housing Census 2010 Report.
Burundi	Institut de Statistiques et d'Études Économiques du Burundi (ISTEEBU), Ministère de la Santé Publique et de la Lutte contre le Sida [Burundi] (MSPLS), and ICF International. (2012) Enquête Démographique et de Santé Burundi 2010.
Benin	Institut National de la Statistique et de l'Analyse Économique (INSAE) and ICF International. (2013) Enquête Démographique et de Santé du Bénin 2011-2012.
Burkina Faso	Institut National de la Statistique et de la Démographie (INSD) and ICF International. (2012) Enquête Démographique et de Santé et à Indicateurs Multiples du Burkina Faso 2010.
Botswana	Statistics Botswana. (2014) Population and Housing Census 2011 Analytical Report.
Central African Republic	Ndamobissi R <i>et al</i> , Direction des Statistiques Démographiques et Sociales et Macro International Inc. (1995) Enquête Démographique et de Santé, République Centrafricaine 1994-95.
Cote d'Ivoire	Institut National de la Statistique (INS) and ICF International. (2012) Enquête Démographique et de Santé et à Indicateurs Multiples de Côte d'Ivoire 2011-2012.
Cameroon	Institut National de la Statistique (INS) and ICF International. (2012) Enquête Démographique et de Santé et à Indicateurs Multiples du Cameroun 2011.
Congo, Dem. Rep.	Ministère du Plan et Suivi de la Mise en oeuvre de la Révolution de la Modernité (MPSMRM), Ministère de la Santé Publique (MSP) and ICF International. (2014) Enquête Démographique et de Santé en République Démocratique du Congo 2013-2014.
Congo, Rep.	Centre Nationale de la Statistique et des Études Économiques (CNSEE) [Congo] and ICF International. (2013) Enquête Démographique et de Santé du Congo (EDSC-II) 2011-2012.
Comoros	Direction Générale de la Statistique et de la Prospective (DGSP) and ICF International. (2014) Enquête Démographique et de Santé et à Indicateurs Multiples aux Comores 2012.
Cabo Verde	Instituto Nacional de Estatística de Cabo Verde. (2010) Recenseamento Geral da População e Habitação.
Eritrea	National Statistics and Evaluation Office (NSEO) [Eritrea] and ORC Macro. (2003) Eritrea Demographic and Health Survey 2002.
Ethiopia	Population Census Commission. (2010) 2007 Population and Housing Census of Ethiopia.
Gabon	Direction Générale de la Statistique (DGS) and ICF International. (2013) Enquête Démographique et de Santé du Gabon 2012.
Ghana	Awusabo-Asare K <i>et al</i> , Ghana Statistical Service. (2013) 2010 Population and Housing Census, National Analytical Report.
Guinea	Institut National de la Statistique [Guinée] and ICF International. (2013) Enquête Démographique et de Santé et à Indicateurs Multiples (EDS-MICS) 2012.
Gambia, The	The Gambia Bureau of Statistics (GBOS) and ICF International. (2014) The Gambia Demographic and Health Survey 2013.
Guinea-Bissau	Instituto Nacional de Estatística. (2010) Inquérito Ligeiro para Avaliação da Pobreza (ILAP2), 2010.

Country	Source
Kenya	Kenya National Bureau of Statistics (KNBS) and ICF Macro. (2010) Kenya Demographic and Health Survey 2008-09.
Liberia	Liberia Institute of Statistics and Geo-Information Services (LISGIS), Ministry of Health and Social Welfare [Liberia], National AIDS Control Program [Liberia], and ICF International. (2014) Liberia Demographic and Health Survey 2013.
Lesotho	Ministry of Health and Social Welfare (MOHSW) [Lesotho] and ICF Macro. (2010) Lesotho Demographic and Health Survey 2009.
Madagascar	Institut National de la Statistique (INSTAT) et ICF Macro. (2010) Enquête Démographique et de Santé de Madagascar 2008-2009.
Mali	Cellule de Planification et de Statistique (CPS/SSDSPF), Institut National de la Statistique (INSTAT/MPATP), INFO-STAT and ICF International. (2014) Enquête Démographique et de Santé au Mali 2012-2013.
Mozambique	Ministerio da Saude (MISAU), Instituto Nacional de Estatística (INE) and ICF International (ICFI). (2013) Moçambique Inquérito Demográfico e de Saúde 2011.
Mauritania	Office National de la Statistique (ONS) [Mauritanie] and ORC Macro. (2001) Enquête Démographique et de Santé Mauritanie 2000-2001.
Mauritius	Statistics Mauritius, Republic of Mauritius Ministry of Finance and Economic Development. (2012) 2011 Housing and Population Census, Volume VII: Household Characteristics.
Malawi	National Statistical Office (NSO) and ICF Macro. (2011) Malawi Demographic and Health Survey 2010.
Namibia	The Namibian Ministry of Health and Social Services (MoHSS) and ICF International. (2014) The Namibia Demographic and Health Survey 2013.
Niger	Institut National de la Statistique (INS) and ICF International. (2013) Enquête Démographique et de Santé et à Indicateurs Multiples du Niger 2012.
Nigeria	National Population Commission (NPC) [Nigeria] and ICF International. (2014) Nigeria Demographic and Health Survey 2013.
Rwanda	National Institute of Statistics of Rwanda (NISR) [Rwanda], Ministry of Health (MOH) [Rwanda], and ICF International. (2012) Rwanda Demographic and Health Survey 2010.
Sudan	Department of Statistics Ministry of Economic and National Planning and Institute for Resource Development/Macro International, Inc. (1991) Sudan Demographic and health Survey 1989/1990.
Senegal	Agence Nationale de la Statistique et de la Démographie (ANSD) [Senegal], and ICF International. (2012) Senegal Demographic and Health and Multiple Indicator Cluster Survey (EDS-MICS) 2010-2011.
Sierra Leone	Statistics Sierra Leone (SSL) and ICF International. (2014) Sierra Leone Demographic and Health Survey 2013.
Sao Tome and Principe	Instituto Nacional de Estatística, República Democrática de São Tomé e Príncipe. (2014) IV Recenseamento Geral da População e Habitação, Características e Condições de Vida das Famílias e da Habitação.
Swaziland	Central Statistics Office. (2010) 2007 Population and Housing Census Volume 6, Households and Living Conditions.
Chad	Ouagadjo, B <i>et al</i> , INSEED and ORC Macro. (2004) Enquête Démographique et de Santé Tchad 2004.
Togo	Open Data for Togo. Togo – Total Number of Households. <a href="http://togo.opendataforafrica.org/szyifed/households-by-household-size">http://togo.opendataforafrica.org/szyifed/households-by-household-size</a> . Accessed September 2015.
Uganda	Uganda Bureau of Statistics (UBOS) and ICF International Inc. (2012) Uganda Demographic and Health Survey 2011.
South Africa	Department of Health, Medical Research Council, OrcMacro. (2007) South Africa Demographic and Health Survey 2003.
Zambia	Central Statistical Office (CSO) [Zambia], Ministry of Health (MOH) [Zambia], and ICF International. (2014) Zambia Demographic and Health Survey 2013-14.

<b>Country</b>	<b>Source</b>
Zimbabwe	Zimbabwe National Statistics Agency. (2013) Zimbabwe Population Census 2012.