Web Appendix for

Sex differences in mortality among children, adolescents, and youth aged 0–24: A systematic assessment of national, regional, and global trends from 1990 to 2021

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Contents

1	Data	ì	1
2	Data 2.1 2.2	Adjustments for the incompleteness of death registration	1 2 3
3	Metl 3.1 3.2 3.3 3.4 3.5 3.6	hods for sex ratio for five-year age groups 5–24 Data model Process model Model summary Derivation of sex-specific mortality Derivation of sex ratio for 10-year age groups Computation of final results 3.6.1 Constructing posterior samples of outcomes that include crisis-related deaths and uncertainty in national-level mortality rate 3.6.2 Rounding 3.6.3 Constructing uncertainty intervals and point estimates	3 4 4 6 9 10 10 10 11 11
4	Valid	dation exercise and results	12
5	Glob	bal expected sex ratios by age group	13
6	GAT	THER Compliance	15
L	ist of	f Tables Distribution of observations by data source type and age for children aged 0–4	1
	2	Distribution of observations by data source type and age group for children, adolescents, and youth aged 5–24	2
	3 4 5 6	Excluded observation distribution by data exclusion criteria and age group	3 8 9 12
	7 8 9	Summary of differences in sex ratio estimates in observation years 2000, 2005, and 2010 based on training dataset and full dataset. Checklist of information that should be included in new reports of global health estimates Classification of countries by UNICEF regions	13 15 16
	10 11 12	Completeness of death registration for intercensal periods	17 20
	13	the world, UNICEF regions, and all countries	2227
	14 15	Estimates and 90% uncertainty intervals for sex ratios related results for U5MR in 1990 and 2021, for the world, UNICEF regions, and all countries	32 37

10	Estimates and 90% uncertainty intervals for sex ratios related results for 5q10 in 1990 and 2021, for	
	the world, UNICEF regions, and all countries	42
17	Estimates and 90% uncertainty intervals for sex ratios related results for 10q5 in 1990 and 2021, for	
	the world, UNICEF regions, and all countries	47
18	Estimates and 90% uncertainty intervals for sex ratios related results for 5q15 in 1990 and 2021, for	
	the world, UNICEF regions, and all countries	52
19	Estimates and 90% uncertainty intervals for sex ratios related results for 5q20 in 1990 and 2021, for	
	the world, UNICEF regions, and all countries	57
20	Estimates and 90% uncertainty intervals for sex ratios related results for 10q15 in 1990 and 2021, for	
	the world, UNICEF regions, and all countries	62
21	Sex ratio data sources for age group 0–1, by country	67
22	Sex ratio data sources for age group 1–4, by country	88
23	Sex ratio data sources for age group 0–4, by country	109
24	Sex ratio data sources for age group 5–9, by country	119
25	Sex ratio data sources for age group 10–14, by country	145
26	Sex ratio data sources for age group 15–19, by country	170
27	Sex ratio data sources for age group 20–24, by country	189
List o	of Figures	
1	Data and model process overview	5
2	Global relation between total mortality and sex ratio	7
3	Overview of the global relations between sex ratios and total mortality levels	14

List of Abbreviations

ACLED Armed Conflict Location and Event Data Project

CMR Child Mortality Rate

CRED Centre for Research on the Epidemiology of Disasters

DDM Death Distribution Method
DHS Demographic and Health Survey
EM-DAT Emergency Events Database

GATHER Guidelines for Accurate and Transparent Health Estimates Reporting

GGB Generalized Growth Balance method

GHE Global Health Estimates
HMD Human Mortality Database

IGME UN Inter-agency Group for Child Mortality Estimation

IMR Infant Mortality Rate

INLA Integrated Nested Laplace Approximation

MICS Multiple Indicator Cluster Surveys

PC Penalized Complexity
RW1 first-order Random Walk
RW2 second-order Random Walk

SEG Synthetic Extinct Generation method

SRS Sample Registration System U5MR Under-5 Mortality Rate

UCDP Uppsala Conflict Data Program

UN IGME UN Inter-agency Group for Child Mortality Estimation

VR Vital Registration
WHS World Health Surveys
WPP World Population Prospects

1 Data

Table 1 and 2 give an overview of the observations by data source type and age group. The detailed information on country-specific data series names and the assigned data source types for each age group are in the Supplementary Tables 21 (0–1), 22 (1–4), 23 (0–4), 24 (5–9), 25 (10–14), 26 (15–19), 27 (20–24). Data source types group data series with similar characteristics together, such as data collection method, survey sampling design, and data reporting method.

We categorized all data sources into eight types for data under age five. For age groups under five. Specifically, the groupings of data series into different data source types are:

- Census Indirect: census based on summary birth histories;
- Demographic and Health Surveys (DHS) Direct: standard DHS with full birth histories;
- Multiple Indicator Cluster Surveys (MICS) Direct: MICS based on full birth histories;
- MICS Indirect: MICS based on summary birth histories;
- Other DHS Direct: Interim DHS, Special DHS, DHS AIDS Indicator Survey, DHS Malaria Indicators Survey, National DHS, World Fertility Survey, and surveys with similar sampling design and based on full birth histories;
- Others Direct: census direct, Reproductive Health Survey, Pan-Arab Programme on Family Health, National MICS, panel data, and national reports, based on full birth histories;
- Others Indirect: all types of DHS surveys, Reproductive Health Survey, and national reports, based on summary birth histories

For data above age five, we classified all data sources into three types:

- Demographic and Health Surveys (DHS) Direct: including standard DHS;
- Others Direct: including Multiple Indicator Cluster Surveys (MICS) and World Health Surveys (WHS), and Panel data:
- Vital Registration (VR) or Sample Registration System (SRS).

		Age group	
Data source	0–1	1–4	0–4
Census Indirect	5	0	5
DHS Direct	1479	1370	0
MICS Direct	276	244	0
MICS Indirect	0	0	271
Other DHS Direct	355	335	0
Others Direct	308	290	0
Others Indirect	0	0	262
VR/SRS	4307	4094	32
Total	6,730	6,333	778
Countries with data	196	195	94
Reference year range	1950-2021	1950-2021	1950-2017

Table 1: **Distribution of observations by data source type and age for children aged 0–4.** Direct: data obtained from full birth histories. Indirect: data obtained from summary birth histories.

2 Data pre-processing

The database we use for model fitting (summarized in Section 1) is based on multiple data quality assessments and pre-processing steps.

	Age group							
Data source	5–9	10–14	15-19	20-24				
DHS Direct	1,038	1,015	834	834				
Others Direct	568	550	266	267				
VR/SRS	3,702	3,647	3,745	3,723				
Total	5,308	5,212	4,845	4,824				
Countries with data	190	190	178	179				
Reference year range	1954-2021	1954-2021	1958-2021	1958-2021				

Table 2: Distribution of observations by data source type and age group for children, adolescents, and youth aged 5–24. Direct: data obtained from full sibling histories. Others Direct: data from recent household deaths reported in censuses and large-scale surveys.

2.1 Adjustments for the incompleteness of death registration

Vital registration data were extracted from the WHO mortality database¹. When available, the latest estimates from the Human Mortality Database (HMD)² were also added. We assumed that death registration was complete in 38 countries included in the HMD. For the other countries, we evaluated the completeness based on "death distribution methods" (DDMs). The VR data were only adjusted for completeness of death reporting for mortality data above age 5. Loess regression (for smaller gaps in years) and linear interpolation (for gaps greater than five years) were applied to generate the time series using the available estimates of child completeness to impute completeness in years when vital registration data were unavailable. Table 10 presents the completeness estimates by country-year.

DDMs compare the age distribution of deaths in the VR with the age distribution of the population enumerated in censuses to estimate the fraction of deaths that are reported. Three methods are applicable when two censuses are available and deaths have been recorded in the intercensal period: the generalized growth balance method (GGB) (1; 2), the synthetic extinct generation method (SEG) (3), and a combination of the two, called the hybrid method (or GGB>SEG). All methods are well described in the book *Tools for Demographic Estimation* (4), with Excel spreadsheets to facilitate their use. We employed here the GGB>SEG approach, which has been shown to perform better than the GGB and SEG methods used separately (5). Completeness was estimated for each country for periods between pairs of recent censuses for which an age distribution of the population was available in the Demographic Yearbook. After the last census, it is impossible to estimate completeness with death distribution methods, so completeness levels were kept constant until 2021.

Using the DDM package in R (6), we separately estimated completeness for males and females. Vital statistics were excluded when the estimated completeness was less than 80% (for at least one sex), adjusted when completeness was between 80% and 95%, and included without adjustment when completeness was greater than or equal to 95%. The VR data were adjusted as follows:

$$adjusted\ VR\ data = \frac{original\ VR\ data}{completeness}$$

Completeness was assumed to be invariant by age in the age group 5-24. In a few countries, vital registration data were incorporated to estimate mortality above age 5, despite being deemed too incomplete to be used for under-five mortality. The completeness of death registration could be lower among children due to common under-reporting of neonatal deaths (7). In some countries (e.g. Brazil, Republic of Korea, Syria, Turkey, Singapore, Bahrain, and Sri Lanka), we have preferred not to adjust upwards the deaths reported to vital statistics, either because of large migrations flows that could invalidate the method, or because published studies had investigated the completeness of death registration (see (8) for further details).

Uncertainty was added in countries with adjusted VR data in order to account for the uncertainty associated with the completeness estimate itself. Murray et al. (2010) demonstrate that uncertainty intervals around completeness

https://www.who.int/healthinfo/mortality_data/en/

²https://www.mortality.org/

estimates from DDM are large, roughly about 25% (9). This is partly because death distribution methods are based on assumptions often poorly respected in practice (e.g. constant under-registration by age). We proceeded as follows:

- 1. The sex-specific completeness was simulated with a uniform distribution: Uniform(completeness 25%, completeness + 25%).
- 2. The number of deaths with additional uncertainty was simulated by: Poisson($\frac{\text{reported deaths}}{\text{simulated completeness}}$)
- 3. The sex-specific mortality rates with additional uncertainty were simulated using a standard life table approach with the simulated number of deaths from the previous step.

2.2 Exclusion criteria

Before fitting the observations to the Bayesian model, we excluded data points based on the following rules:

- Exclude observations with sex ratio outside [0.1, 10] for ages under five, and outside [0.1, 10] for ages above five (refer to Table 3 for the number of observations that fall outside the intervals by age group).
- Exclude observations during national crisis periods.
- Exclude observations from surveys or censuses with strong evidence of poor data quality.

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	Age group						
Exclusion criteria	0-1	1–4	0–4	5–9	10-14	15–19	20-24
Sex ratio outside [0.2, 5]	530	2,033	562	_	_	_	_
Sex ratio outside [0.1, 10]	_	_	_	14	105	36	66
During national crisis	237	235	240	57	57	46	46
Total	767	2,263	801	71	162	82	111
Percentage of total	0.9%	2.3%	1.0%	1.1%	2.4%	1.4%	1.8%

Table 3: **Excluded observation distribution by data exclusion criteria and age group.** The total number of excluded observations may not be the sum of the excluded number of data under each criterion because some excluded data satisfy more than one criterion.

Data series were excluded from the sex-specific analysis when the review conducted to develop estimates for both sexes had concluded that there was substantial evidence of recall errors. The procedures to identify recall errors in surveys and censuses are discussed in (10) for the age group 0-4, (11) for the age group 5-14 and (8) for the age group 15-24. We have not used a grading method to assess the quality of survey or census data, but a series of tests are put in place to identify sources of erroneous data. For example, in censuses, we assess parity ratios from one survey to the next to detect omissions of children in summary birth histories (12). In full birth histories from surveys, we use consistency checks such as the ratio between neonatal and post-neonatal mortality, as well as the distribution of deaths by day (13). In sibling survival histories, we examine the plausibility of the relationship between the probabilities $_{10}q_{15}$ and $_{5}q_{0}$ against high-quality life tables from Health and Demographic Surveillance Systems (HDSS) and the Human Mortality Database (8).

3 Methods for sex ratio for five-year age groups 5-24

We provide a full model specification in this web appendix. The statistical model for estimating the sex ratio of mortality for 0–1, 1–4, and 0–4 are detailed in (14).

In the following Section 3.1 and Section 3.2, we summarize the model to estimate the sex ratio of male mortality to female mortality for the age group for age groups 5–9, 10–14, 15–19, and 20–24. Since the same model is applied to each age group, we omit the index for age group, and all the notations in Section 3.1 and Section 3.2 are age specific.

The outcome of interest is $\exp{\{\Psi_{c,t}\}}$, the sex ratio of mortality rate in the country c in year t, where $\Psi_{c,t}$ is the log of the sex ratio. For the country and year indexes, $c \in \{1, \dots, k\}$ with k = 200 referring to the total number of

countries, and $t \in \{1, \dots, j\}$ with j = 72 indicating the individual years from 1950 (t = 1) to the year 2021 (t = j). Throughout the report, $\mathcal{N}(\mu, \sigma^2)$ refers to a normal distribution with mean μ and variance σ^2 and $\mathcal{U}(a,b)$ refers to a continuous uniform distribution with lower and upper bounds at a and b respectively.

The complete data process and model overview is given in the flow chart Figure 1. The detailed explanations of the model and the posterior distribution are in the rest of this section.

3.1 Data model

Let z_i to be the *i*th observed sex ratio and $y_i = \log(z_i)$. We have the model:

$$y_i = \Psi_{c[i],t[i]} + \varepsilon_i, \text{ for } i \in \{1, \dots, n\},$$

$$\tag{1}$$

$$\varepsilon_i |\omega_{s[i]}| \sim \mathcal{N}(0, u_i^2 + \omega_{s[i]}^2),$$
 (2)

$$\omega_s = 0, \text{ for } s = m,$$
 (3)

$$\omega_{s} = 0, \text{ for } s = m,$$

$$\tau_{\omega,s} = \omega_{s}^{-2} \sim \mathscr{P}\mathscr{C}(z, 0.01), \text{ for } s \in \{1, \dots, m-1\}.$$

$$(3)$$

For a certain age group, the observations of the sex ratio are indexed by $i \in \{1, \dots, n\}$. y_i denotes the *i*th log of observed sex ratio of mortality rate in country c[i] in year t[i] and is modeled on the log-scale. $\exp\{\Psi_{c,t}\}$ is the outcome of interest, the true sex ratio of mortality rate, in country c in year t. ε_i is the error term for y_i .

The error term ε_i follows a normal distribution as shown in Equation 2. The variance is the sum of two parts: (i) known stochastic/sampling error variance u_i^2 , (ii) unknown non-sampling error variance $\omega_{s[i]}^2$ that differs by data source type s. The sampling variance is pre-calculated using the Jackknife resampling method by the R-package **demogsurv** 3 to account for the uncertainty due to the sample design of the surveys. We assume the non-sampling error for VR/SRS data is zero (i.e. s = m refers to data source type VR/SRS). For data from non-VR/SRS source types, we estimate non-sampling error variances that vary across data source types $(s \in \{1, \dots, m-1\})$ refer to the set of non-VR/SRS data source types). z is the standard deviation of y_i . We assign Penalized Complexity (PC) priors for the precision parameter $\tau_{\omega,s}$ (15).

PC priors are default priors assigned to precision parameters used in the R-package R-INLA which we used for Bayesian inference (refer to Section 3.3, paragraph Statistical computation). The main advantages of PC priors are that they are invariant to reparameterizations, and have excellent robustness properties according to (15).

3.2 **Process model**

The process model for $\Psi_{c,t}$ is defined as:

$$\Psi_{c,t} = \Theta_{d[c,t]} + \Phi_{c,t}, \tag{5}$$

where $\Theta_{d[c,t]}$ is the global expected sex ratio evaluated at the total mortality rate (female and male combined) for country c in year t (more explanations in the next paragraph). $\Phi_{c,t}$ is the year-by-year fluctuation around the global relation, capturing the intra-country temporal correlation between country-specific observations.

 $\Theta_{d[c,t]}$ models the global non-linear relation between $\Psi_{c,t}$ and the total mortality rate in country c, year t. Specifically, let $V_{c,t}$ denote the log of total (male and female combined) mortality rate for country c year t, taken from the UN Inter-agency Group for Child Mortality Estimation (UN IGME) 2022 estimates (16). We define a grid of values κ_d for $d \in \{1, \dots, x\}$. x is the number of grid points where Θ_d is evaluated. x = 310 for age group 5–9, x = 230 for age group 10-14, x = 260 for age group 15-19, x = 275 for age group 20-24. x differs across age groups because the range of total mortality and country-years with data in different age groups varies. For all the five-year age groups from 5 to 24, we set $\kappa_1 = \log(1/1000)$, corresponding to 1 death per 1000 population on the log scale. We set κ_x as the 99th percentile of $V_{c,t}$ across all country-years with data in each age group. We match each $V_{c,t}$ to the κ_d with the smallest absolute difference from $V_{c,t}$, denoting the dth index for country-year c,t as d[c,t]. To model the relation between Θ_d

³Available at: https://github.com/mrc-ide/demogsurv. Accessed on July 27th, 2020.

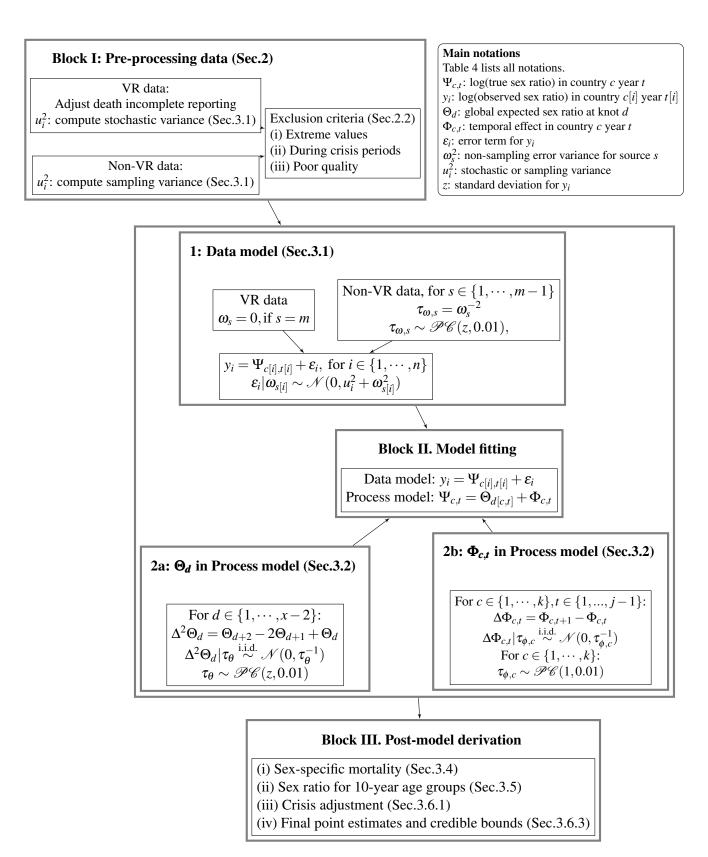


Figure 1: **Data and model process overview.** This flow chart summarizes the major steps of pre-precessing data (Block I), the Bayesian modelling steps (Block II), where $\Psi_{c,t}$ refers to the true sex ratio of mortality on the log-scale, and the post-model derivation (Block III).

and κ_d , we use a second-order random walk (RW2) process. We assume Θ_d is constant outside the range of κ_1 and κ_2 across all c and t. In particular,

$$\Delta^2 \Theta_d = \Theta_{d+2} - 2\Theta_{d+1} + \Theta_d, \text{ for } d \in \{1, \dots, x-2\}$$

$$\tag{6}$$

$$\Delta^{2}\Theta_{d}|\tau_{\theta} \stackrel{\text{i.i.d.}}{\sim} \mathcal{N}(0,\tau_{\theta}^{-1}), \text{ for } d \in \{1,\cdots,x-2\},
\tau_{\theta} \sim \mathscr{P}(z,0.01).$$
(7)

$$\tau_{\theta} \sim \mathscr{P}\mathscr{C}(z, 0.01).$$
(8)

We assign a Penalized Complex (PC) prior to the global precision parameter τ_{θ} :

$$\tau_{\theta} \sim \mathscr{P}\mathscr{C}(z, 0.01).$$
 (9)

where z is the standard deviation of y_i . The PC prior is a vague prior. (15) documented the PC prior specification in

Figure 2 illustrates the RW2 model results for Θ_d for age groups 5–9, 10–14, 15–19 and 20–24. The estimated model results (in purple) align with the empirical relationships demonstrated in loess curves. We explored modeling Θ_d on a regional level instead of on a global level when developing our estimates. We decided against the use of a regional model for three reasons. First, some outlying countries with specific discrimination practices or distinct cause-specific mortality patterns would no longer be apparent, as we would lose the comparison with other countries in other regions with the same mortality level. Second, it was not easy to interpret the regional trends and we were no longer able to examine national deviations in the same consistent framework between birth and 25th birthday since the model for U5MR uses a global reference. Third, the uncertainty around estimates was slightly increased with a regional model.

 $\Phi_{c,t}$ models the discrepancy between $\Psi_{c,t}$ and global trend Θ_d . We use a first-order random walk (RW1) model for $\Phi_{c,t}$ and assign a PC prior to country-specific precision parameter $\tau_{\phi,c}$:

$$\Delta\Phi_{c,t} = \Phi_{c,t+1} - \Phi_{c,t}, \text{ for } c \in \{1, \dots, k\}, t \in \{1, \dots, j-1\}$$
(10)

$$\Delta\Phi_{c,t}|\tau_{\phi,c} \stackrel{\text{i.i.d.}}{\sim} \mathcal{N}(0,\tau_{\phi,c}^{-1}), \text{ for } c \in \{1,\cdots,k\}, t \in \{1,...,j-1\},$$
(11)

$$\tau_{\phi,c} \sim \mathscr{P}\mathscr{C}(1,0.01), \text{ for } c \in \{1,\cdots,k\}.$$
(12)

The sum-to-zero constraint is imposed on $\Phi_{c,t}$ so that the precision matrix is full-rank:

$$\sum_{t=1}^{j} \Phi_{c,t} = 0, \text{ for } c \in \{1, \dots, k\}.$$
(13)

3.3 Model summary

Notations Table 4 summarizes the notation and indexes used in Section 3.1 and Section 3.2.

Data model

$$y_i = \Psi_{c[i],t[i]} + \varepsilon_i, \text{ for } i \in \{1, \dots, n\},$$

 $\varepsilon_i | \omega_{s[i]} \sim \mathcal{N}(0, u_i^2 + \omega_{s[i]}^2),$
 $\omega_s = 0, \text{ for } s = m.$

Process model

$$\begin{array}{rcl} \Psi_{c,t} & = & \Theta_{d[c,t]} + \Phi_{c,t}, \\ \Delta^2 \Theta_d & = & \Theta_{d+2} - 2\Theta_{d+1} + \Theta_d, \text{ for } d \in \{1, \cdots, x-2\} \\ \Delta^2 \Theta_d | \tau_\theta & \stackrel{\text{i.i.d.}}{\sim} & \mathcal{N}(0, \tau_\theta^{-1}), \text{ for } d \in \{1, \cdots, x-2\}, \\ \Delta \Phi_{c,t} & = & \Phi_{c,t+1} - \Phi_{c,t}, \text{ for } c \in \{1, \cdots, k\}, t \in \{1, ..., j-1\} \\ \Delta \Phi_{c,t} | \tau_{\phi,c} & \stackrel{\text{i.i.d.}}{\sim} & \mathcal{N}(0, \tau_{\phi,c}^{-1}), \text{ for } c \in \{1, \cdots, k\}, t \in \{1, ..., j-1\}. \end{array}$$

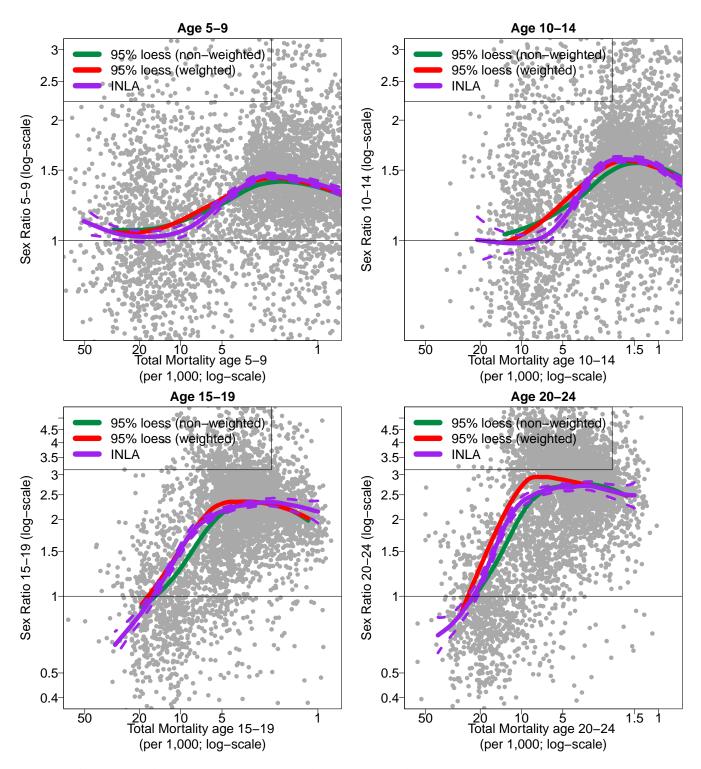


Figure 2: **Global relation between total mortality and sex ratio.** Green curves are loess fittings (using a redescending M estimator with Tukey's biweight function). Red curves are symmetric loess by weighting data points by the reverse of their sampling error variances. Purple solid curves are the mean of the model fittings using the RW2 model, and dashed curves are 90% uncertainty intervals.

Symbol	Description	
	Indexes	
i	Indicator for observations across all country-years, $i \in \{1, \dots, n\}$.	
С	Indicator for country, $c \in \{1, \dots, k\}$, where $k = 200$. $c[i]$ refers to the country index	
	of observation <i>i</i> .	
t	Indicator for year, $t \in \{1, \dots, j\}$, where $j = 72$. $t = 1$ corresponds to the year 1950	
	and $t = j$ to the year 2021. $t[i]$ refers to the year index of observation i .	
S	Indicator for data source type, $s \in \{1, \dots, m\}$, where $m = 3$. $s = 1$ corresponds to	
	data source type DHS, $s = 2$ to others, and $s = 3$ to VR/SRS.	
d	Indicator for the dth unique value of the total mortality rate κ_d and corresponding	
	global expected sex ratio Θ_d . $d[c,t]$ refers to the index based on total mortality in	
	country-year c,t . More explanations are in the row of κ_d .	
	Known quantities	
z_i	ith observed sex ratio of mortality rate for country $c[i]$ in year $t[i]$ with data source	
	type $s[i]$.	
y_i	$y_i = \log(z_i).$	
u_i^2	The <i>i</i> th sampling error variance for y_i .	
z	The standard deviation of y_i .	
$Q_{c,t}$	The total mortality rate for country c in year t (11).	
$V_{c,t}$	$V_{c,t} = \log(Q_{c,t})$	
κ_d	Grid of $V_{c,t}$ where Θ_d is evaluated for $d \in \{1, \dots, x\}$, and $x = 260$. $\kappa_1 =$	
	$\log(1/1000)$, i.e. \log of 1 death per 1000 population (same κ_1 value for all age	
	groups). κ_x is the 99th percentile of $V_{c,t}$ across all country-years with data (differ-	
	ent κ_x values across age groups).	
	Unknown parameters	
$\Psi_{c,t}$	The true log of sex ratio of mortality rate for country c , year t .	
$\Theta_{d[c,t]}$ The global expected sex ratio evaluated at κ_d .		
$\Phi_{c,t}$	The year-by-year within country discrepancy between $\Psi_{c,t}$ and Θ_d .	
$ au_{\omega,s}$	The precision parameter for non-sampling error variance with data source type s.	
$ au_{ heta}$	The precision parameter for the second-order increment $\Delta^2 \Theta_d$.	
$ au_{\phi,c}$	The country-specific precision parameter for the first-order increment $\Delta\Phi_{c,t}$ for	
	country c.	

Table 4: Notation summary.

Prior distributions Non-informative priors are assigned to hyper-parameters:

$$\begin{split} \tau_{\omega,s} &= \omega_s^{-2} \quad \sim \quad \mathscr{PC}(z,0.01), \text{ for } s \in \{1,\cdots,m-1\}, \\ \tau_{\theta} &\sim \quad \mathscr{PC}(z,0.01), \\ \tau_{\phi,c} &\sim \quad \mathscr{PC}(1,0.01), \text{ for } c \in \{1,\cdots,k\}. \end{split}$$

Statistical computation We use the Integrated Nested Laplace Approximation (INLA) for Bayesian inference (17). We use the R-package R-INLA (18) to implement the INLA estimation procedure. The statistical source code is available upon request.

3.4 Derivation of sex-specific mortality

For each country-year, we calculated the sex-specific mortality by fulfilling (i) the number of female and male deaths sum up to the total number of deaths based on the life-table method; and (ii) the ratio of male to female mortality equals the sex ratio estimates from the Bayesian model. Given the total mortality rates $Q_{c,t}$ and the estimated sex ratio of the mortality rates $\Psi_{c,t}$, we derive the sex-specific mortality rates as shown in Table 5. In this subsection, we omit the indexes for country c and year t and use superscripts [F] and [M] for male- and female-specific indicators.

To incorporate the uncertainties in the sex ratio of mortality, total mortality, and population sizes, the calculation steps in Table 5 are applied to each posterior sample of:

- Each posterior sample of the log of sex ratio Ψ : from the Bayesian model.
- Each trajectory of the total mortality Q: from (16) (not part of this modelling process).
- Each trajectory of the numbers of the total and male population (N and $N^{[M]}$) at the beginning of a 5-year age group: from the UN WPP (19) (not part of this modelling process).

Table 5: Derivation of sex-specific mortality rate for a 5-year age group.

Step#	Description
1:	Initialize female and male mortality rates ${}^{(0)}Q^{\text{[F]}}$ and ${}^{(0)}Q^{\text{[M]}}$ with based on total mortality Q and log of sex ratio Ψ , and the proportion of males $N^{\text{[M]}}$ in the whole population N at the beginning of a certain age group (e.g. for age group 15–19, the beginning of the age group is age 15): $w = N^{\text{[M]}}/N$: ${}^{(0)}Q^{\text{[M]}} = Q/(w+(1-w)/\exp\{\Psi\}),$ ${}^{(0)}Q^{\text{[F]}} = {}^{(0)}Q^{\text{[M]}}/\exp\{\Psi\},$
2:	Following the life table calculation, we compute the central rate of mortality ⁴ for the female, male, and total population (denoted as $m^{[F]}$, $m^{[M]}$, and m respectively): $ {}^{(0)}m^{[F]} = {}^{(0)}Q^{[F]}/(5(1-{}^{(0)}Q^{[F]}/2)) $ $ {}^{(0)}m^{[M]} = {}^{(0)}Q^{[M]}/(5(1-{}^{(0)}Q^{[M]}/2)) $ $ {}^{(0)}m = ({}^{(0)}m^{[F]}N^{[F]} + {}^{(0)}m^{[M]}N^{[M]})/N $ We use the usual approximation to compute m values by assuming the average population size in each age group within one year is $N(1-Q^*)$, where Q^* is $Q^{[F]}$ or $Q^{[M]}$. The average population size for a 5-year age group within one year is approximated by $5N(1-Q^*)$.
3:	Compute the total mortality rate based on initial values: ${}^{(0)}Q = 5{}^{(0)}m/(1+(5-5/2){}^{(0)}m)$
4:	Compute the relative difference between the given total mortality Q with the calculated total mortality $^{(0)}Q$: $^{(0)}re= ^{(0)}Q-Q /Q$
5:	if $^{(0)}re < 10^{-8}$ then
6:	stop Set ${}^{(0)}Q^{[F]}$ and ${}^{(0)}Q^{[M]}$ as the final sex-specific mortality rates.

⁴It is approximately equal to the average number of deaths each year at age x last birthday, divided by the average population at that age in the same year.

	else
7:	for $g \in \{1, \cdots, G\}$ do
8:	Simulate 10^5 equally distributed male mortality rate within the interval $[(g-1)Q^{[M]} - (g-1)Q^{[M]}/10^{-3}, (g-1)Q^{[M]} + (g-1)Q^{[M]}/10^{-3}]$. Denote each simulation as $(g)Q_s^{[M]}$ for $s \in \{1, \dots, 10^5\}$.
9:	Simulations for female mortality rates are: ${}^{(g)}Q_s^{[F]} = {}^{(g)}Q_s^{[M]}/\Psi$ for $s \in \{1, \dots, 10^5\}$.
10:	Repeat steps 2–6 until $^{(g)}re < 10^{-8}$.

3.5 Derivation of sex ratio for 10-year age groups

This subsection explains how we derived the sex ratio for 15–24 based on sex ratios 15–19 and 20–24. The same procedures apply to deriving the sex ratio for 5–14 based on sex ratios for 5–9 and 10–14.

The sex ratio for mortality rate from age group 15–24 is calculated from $S_{1,c,t}$ and $S_{2,c,t}$ through standard cohort equations. Sex-specific mortality rates for age groups 15–19 (a=1) and 20–24 (a=2) are derived as follows (omitting country c and year t subscripts, and using superscripts [F] and [M] for male- and female-specific indicators):

$$Q_a^{[\mathrm{M}]} = \frac{Q_a}{w_a + \frac{1 - w_a}{S_a}}, \text{ for } a \in \{1, 2\},$$
 $Q_a^{[\mathrm{F}]} = \frac{Q_a^{[\mathrm{M}]}}{S_a}, \text{ for } a \in \{1, 2\}.$

 w_1 refers to the proportion of males at the age of 15. w_2 indicates the ratio of male survivors to age 19 over the total number of survivors up to age 19:

$$\begin{array}{rcl} w_1 & = & \frac{N_1^{[\mathrm{M}]}}{N_1}, \\ \\ w_2 & = & \frac{N_2^{[\mathrm{M}]}}{N_2} = \frac{w_1(1 - Q_1^{[\mathrm{M}]})}{1 - Q_1}, \end{array}$$

where N_1 refers to the total population at age 15, and N_2 is the number of survivors up to age 19 (approximated by the population at age 15 times the mortality rate for age group 15–19).

Given the mortality rates for age groups 15–19 and 20–24 by sex, the sex-specific mortality rates for age group 15–24 are calculated as follows:

$$Q_3 = 1 - (1 - Q_1)(1 - Q_2),$$

for males and females, which are then used to produce sex ratios of mortality rate for the age group 15–24:

$$S_{3,c,t} = rac{Q_{3,c,t}^{[\mathrm{M}]}}{Q_{3,c,t}^{[\mathrm{F}]}}.$$

3.6 Computation of final results

Throughout the project, we presented our results in the format of "point estimate [lower bound; upper bound]". E.g. the age-sex-specific mortality rate and deaths are presented as $Q_{a,c,t}^{P.E.}[Q_{a,c,t}^L;Q_{a,c,t}^U]$ and $D_{a,c,t}^{P.E.}[D_{a,c,t}^L;D_{a,c,t}^U]$ respectively. We use superscripts [F] and [M] for male- and female-specific indicators. This section will explain how we derived each component in the result.

3.6.1 Constructing posterior samples of outcomes that include crisis-related deaths and uncertainty in national-level mortality rate

All the indicators in this section are country-year-specific. Hence, we omit the indexes c and t for country and year for simplicity.

Adjustments were made in country-years to account for abrupt increases in mortality due to conflicts and disasters, which would otherwise not be present in the smoothed mortality curves obtained from the statistical model. Table 11 lists all the country-years with crisis adjustments by age groups. The following criteria were used to identify crises:

- 1. The crisis was isolated to a few years,
- 2. Crisis deaths in each age group were >10% of non-crisis deaths in this age group,
- 3. The crisis-specific risk of dying was greater than 0.2 per 1,000,
- 4. The number of crisis deaths in each age group was greater than 10.

To include crisis-related deaths in the crisis-free sex-specific estimates obtained from the model, we followed the procedures used by the UN IGME for adjusting national-level mortality rates (20; 16). The g-th posterior sample for sex-specific mortality rate including crisis-related deaths, denoted as ${}^{(g)}Q(\text{full})_a^{[\text{sex}]}$, is defined as follows for sex \in $\{F,M\}$:

$$^{(g)}Q(\mathrm{full})_a^{[\mathrm{sex}]} \ = \ \begin{cases} {}^{(g)}Q(\mathrm{crisis\text{-}free})_a^{[\mathrm{sex}]} + Q(\mathrm{crisis})_a^{[\mathrm{sex}]}, & \text{if affected by crisis} \\ {}^{(g)}Q(\mathrm{crisis\text{-}free})_a^{[\mathrm{sex}]} & \text{o.w.} \end{cases}$$

 $Q(\text{crisis-free})_a^{(g)}$ is the g-th posterior sample of crisis-free country-year-age-sex-specific mortality rate that includes uncertainty in national-level mortality (Section 3.4).

 $Q(\text{crisis})_{a}^{\text{[sex]}}$ is the country-year-age-sex-specific mortality rate due to crisis. No uncertainty of crisis-related mortality rate has been included in the final adjusted sex-specific mortality rate results. Age-sex distributions for conflict deaths were applied to estimates of total conflict deaths by country-year based on available distributions of conflict deaths by age and sex for specific conflicts (21). Estimated deaths for major natural disasters up to and including 2021 were obtained from the Emergency Events Database (EM-DAT), the International Disaster Database, which is maintained by the Centre for Research on the Epidemiology of Disasters (CRED)(22). Global Health Estimates (GHE) age-sex distributions were used. These are based on several studies of earthquake deaths and tsunami deaths (21). Deaths due to armed conflict and violence are from the Armed Conflict Location and Event Data Project (ACLED) (23), the Uppsala Conflict Data Program (UCDP) for Battle-Related Deaths, Non-State Conflict Dataset (24), and One-sided Violence Dataset (24).

Posterior samples for the sex ratio of mortality rates (with crisis-related deaths), inclusive of uncertainty in the national-level death (including crisis-related deaths), were given by:

$$^{(g)}\exp\{\Psi(\text{full})\}_a = \frac{^{(g)}Q(\text{full})_a^{[M]}}{^{(g)}Q(\text{full})_a^{[F]}}.$$

3.6.2 Rounding

We kept three significant figures for all reported estimates and uncertainty intervals. We round the number of sexspecific deaths for each country-year to its nearest integer.

Constructing uncertainty intervals and point estimates

All the indicators in this section are country-year-specific. Hence, we omit the indexes c and t for country and year for simplicity. The 90% uncertainty intervals for $\Psi(\text{full})_a$, $Q(\text{full})_a$, and $D(\text{full})_a$, denoted as $[*^L; *^U]$, are the 5th and 95th percentiles of the corresponding posterior samples:

$$\begin{array}{lll} *^{L} & = & \mathrm{percentile}_{5\%} \left\{ ^{(1)}*, \ldots, ^{(G)}* \right\}, \\ \\ *^{U} & = & \mathrm{percentile}_{95\%} \left\{ ^{(1)}*, \ldots, ^{(G)}* \right\}. \end{array}$$

where * can be substituted with $\Psi(\mathrm{full})_a$, $Q(\mathrm{full})_a$, and $D(\mathrm{full})_a$. The point estimates $\exp\{\Psi(\mathrm{full})\}_a^{\mathrm{P.E.}}$ are combined with the point estimates of total mortality rate $Q(\mathrm{full})_a^{\mathrm{P.E.}}$ and the number of total deaths $D(\text{full})_a^{\text{P.E.}}$ (both include crisis-related deaths and were obtained from the UN IGME 2023 results (16), not part of the modelling process) to derive the point estimates of sex-specific mortality $Q(\text{full})_{a}^{\text{P.E.[sex]}}$ and point estimates of sex-specific deaths $D(\text{full})_a^{\text{P.E.[sex]}}$ using the same procedure in Section 3.4.

Sex-specific deaths to be consistent with total deaths Due to rounding (Section 3.6.2) and the birth-week cohort method, the sum of the sex-specific deaths for a particular country-year $D(\text{full})_a^{\text{P.E.}[F]} + D(\text{full})_a^{\text{P.E.}[M]}$ may be slightly different than the total deaths for the same country-year $D(\text{full})_a^{\text{P.E.}}$, where total deaths computation is not part of the modelling process. When the inconsistency occurs for a certain country-year, we take the difference between $D(\text{full})_a^{\text{P.E.}[F]} + D(\text{full})_a^{\text{P.E.}[M]}$ and $D(\text{full})_a^{\text{P.E.}[F]} + D(\text{full})_a^{\text{P.E.}[M]} = D(\text{full})_a^{\text{P.E.}[M]}$ for all country-years. We adjust point estimates but not the uncertainty intervals.

4 Validation exercise and results

We validate the model performance by leaving out data collected after a particular year, referred to as the "survey year", rather than randomly leaving out data. This validation approach has been used in various previous global health and population studies (25; 14; 26; 27; 28; 29; 30; 31). The left-out observations are roughly 20% of the total observations (due to the varying number of observations collected in each survey year, the left-out observations can be slightly above or below 20%). We call the left-out observations "testing dataset" and the remaining observations "training dataset".

For each left-out observation in the testing dataset, we generate a posterior predictive distribution based on the Bayesian model fittings for the training dataset. We compute the error as the difference between the left-out observation and the median of the posterior predictive distribution. We report the median errors of all the left-out observations and the median of the absolute errors. We also report the coverage of the 90% prediction intervals (PIs). The lower and upper bound of the 90% PI for each left-out observation is the 5th and 95th percentiles of the posterior predictive distribution. To summarise the coverage, we compute the proportion of the left-out observations that fall outside the 90% PIs. Table 6 summarizes the results related to the left-out observations for the validation exercise. Median errors are close to zero for left-out observations in all age groups. While the errors can be negative or positive and are usually distributed around zero (if the model is well calibrated, as shown in Table 6), the absolute errors can only be positive because it is the absolute values of the errors. Hence, the median absolute errors in all age groups are expected to be higher than the median errors. Coverage of 90% prediction intervals is slightly higher than expected at 93.8% for the age group 15–19 and 96.3% for the age group 20–24.

We also validate the model performance by comparing the model estimates based on the full and training datasets. For each country-year, we compute the error as the difference between the median estimates based on the full dataset and those based on the training dataset. We report the median of these errors and absolute errors for all the country-years. We check the percentage of the country-years where the median estimates based on the full dataset fall outside the credible bounds of the estimates based on the training dataset. Table 7 shows the results for the comparison between estimates obtained based on the full dataset and estimates based on the training set. Median errors and the median absolute errors were close to zero, and the proportion of updated estimates that fell outside the uncertainty intervals constructed based on the training set was small.

Age group	5–9	10–14	15–19	20–24
Median error	-0.04	-0.07	-0.04	-0.02
Median absolute error	0.30	0.33	0.35	0.40
% of left-out observations below 90% prediction interval	4.3	5.5	3.8	3.5
% of left-out observations above 90% prediction interval	4.0	2.8	1.6	1.0
Expected proportions (%)	5	5	5	5
# left out observations	1,083	1,061	965	961
% of left out to total observations	20.6	20.6	20.1	20.1
Survey year left out	2013	2013	2013	2013

Table 6: **Validation results for left-out observations by age group.** Errors are defined as the difference between a left-out observation and the posterior median of its predictive distribution. Survey year left out: left out all observations that were collected in or after the year.

Age group		5–9			10–14	
Year	2000	2005	2010	2000	2005	2010
Median error	-0.00	-0.00	-0.01	-0.00	-0.00	-0.01
Median absolute error	0.01	0.01	0.02	0.01	0.02	0.03
Below 90% uncertainty interval (%)	0.0	0.0	0.5	0.0	0.5	1.0
Above 90% uncertainty interval (%)	0.0	0.0	0.0	0.0	0.0	0.0
Expected proportions (%)	≤5	≤5	≤5	≤5	≤5	≤5
Age group		15–19			20–24	
Year	2000	2005	2010	2000	2005	2010
Median error	-0.00	-0.00	-0.00	-0.00	-0.00	-0.01
Median absolute error	0.01	0.01	0.03	0.01	0.02	0.04
Below 90% uncertainty interval (%)	0.0	0.5	1.5	0.0	1.0	1.0
Above 90% uncertainty interval (%)	0.0	0.0	0.0	0.0	0.0	0.0
Expected proportions (%)	≤5	≤5	≤5	≤5	≤5	≤5

Table 7: Summary of differences in sex ratio estimates in observation years 2000, 2005, and 2010 based on the training and full data sets. Errors are the differences between estimates based on the full dataset and the training set. The proportions refer to the proportions (%) of countries where the median sex ratio estimates based on the full data set fall below or above their corresponding 90% uncertainty intervals based on the training dataset. The results are broken down by age groups and observation years.

5 Global expected sex ratios by age group

Figure 3 illustrates the expected sex ratios for total mortality based on the global relationship between mortality levels and sex ratios for the 0-4, 5-14, and 15-24 age groups. Similar patterns occur for all age groups; as the total mortality declines, the sex ratio initially increases until it reaches a maximum, followed by a slight reduction when the total mortality further decreases.

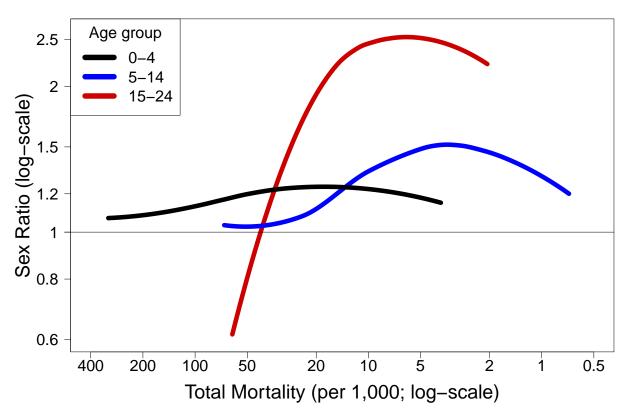


Figure 3: **Overview of the global relations between sex ratios and total mortality levels.** The curves illustrate the relation between sex ratios and total mortality based on the Bayesian models.

6 GATHER Compliance

Guidelines for Accurate and Transparent Health Estimates Reporting (GATHER) are reported in Table 8.

Item #	Checklist item	Reported on page #
	tives and funding	on page π
1	Define the indicator(s), populations (including age, sex, and geographic entities), and time period(s) for which estimates were made.	M3
2	List the funding sources for the work.	M2
	tives and funding	1412
•	l data inputs from multiple sources that are synthesized as part of the study:	
3	Describe how the data were identified and how the data were accessed.	M4, A1–4
4	Specify the inclusion and exclusion criteria. Identify all ad-hoc exclusions.	M4, A4
5	Provide information on all included data sources and their main characteristics. For each	A57–203
3	data source used, report reference information or contact name/institution, the population represented, data collection method, year(s) of data collection, sex and age range, diagnostic criteria or measurement method, and sample size, as relevant.	1137 203
6	Identify and describe any categories of input data that have potentially important biases (e.g., based on characteristics listed in item 5).	A1–4
For do	ta inputs that contribute to the analysis but were not synthesized as part of the study:	
7	Describe and give sources for any other data inputs.	M4, A1, A60–206
For al	l data inputs:	
8	Provide all data inputs in a file format from which data can be efficiently extracted (e.g., a spreadsheet rather than a PDF), including all relevant meta-data listed in item 5. For any data inputs that cannot be shared because of ethical or legal reasons, such as third-party ownership, provide a contact name or the name of the institution that retains the right to the data.	M6
Data	analysis	
9	Provide a conceptual overview of the data analysis method. A diagram may be helpful.	M4-5
10	Provide a detailed description of all analysis steps, including mathematical formulae. This description should cover, as relevant, data cleaning, data pre-processing, data adjustments and weighting of data sources, and mathematical or statistical model(s).	A5-6
11	Describe how candidate models were evaluated and how the final model(s) were selected.	M5
12	Provide the results of an evaluation of model performance, if done, as well as the results of any relevant sensitivity analysis.	A8–9
13	Describe methods for calculating the uncertainty of the estimates. State which sources of uncertainty were, and were not, accounted for in the uncertainty analysis.	A5
14	State how analytic or statistical source code used to generate estimates can be accessed.	A7
Resul	ts and Discussion	
15	Provide published estimates in a file format from which data can be efficiently extracted.	A15-55
16	Report a quantitative measure of the uncertainty of the estimates (e.g., uncertainty intervals).	A6
17	Interpret results in light of existing evidence. If updating a previous set of estimates, describe the reasons for changes in estimates.	M6-8
18	Discuss limitations of the estimates. Include a discussion of any modelling assumptions or data limitations that affect the interpretation of the estimates.	M9

Table 8: Checklist of information that should be included in new reports of global health estimates. M: main manuscript. A: Appendix. Numbers after M or A are the page numbers of the manuscript or appendix.

7 Supplementary tables

UNICEF Region	Country
South Asia	Afghanistan; Bangladesh; Bhutan; India; Maldives; Nepal; Pakistan; Sri
	Lanka
Europe and Central	Albania; Andorra; Armenia; Austria; Azerbaijan; Belarus; Belgium;
Asia	Bosnia and Herzegovina; Bulgaria; Croatia; Cyprus; Czech Republic;
	Denmark; Estonia; Finland; France; Georgia; Germany; Greece; Hun-
	gary; Iceland; Ireland; Italy; Kazakhstan; Kosovo; Kyrgyzstan; Latvia;
	Lithuania; Luxembourg; Macedonia; Malta; Republic of Moldova;
	Monaco; Montenegro; Montserrat; Netherlands; Norway; Poland; Portugal; Romania; Russian Federation; San Marino; Serbia; Slovakia;
	Slovenia; Spain; Sweden; Switzerland; Tajikistan; Turkey; Turk-
	menistan; Ukraine; United Kingdom; Uzbekistan
Middle East and	Algeria; Bahrain; Egypt; Iran (Islamic Republic of); Iraq; Israel; Jordan;
North Africa	Kuwait; Lebanon; Libya; Morocco; Oman; Qatar; Saudi Arabia; State
	of Palestine; Syria; Tunisia; United Arab Emirates; Yemen
Sub-Saharan	Angola; Benin; Botswana; Burkina Faso; Burundi; Cameroon; Cape
Africa	Verde; Central African Republic; Chad; Comoros; Congo; Democratic
	Republic of the Congo; Cote d'Ivoire; Djibouti; Equatorial Guinea; Er-
	itrea; Ethiopia; Gabon; The Gambia; Ghana; Guinea; Guinea-Bissau;
	Kenya; Lesotho; Liberia; Madagascar; Malawi; Mali; Mauritania; Mau-
	ritius; Mozambique; Namibia; Niger; Nigeria; Rwanda; Sao Tome and
	Principe; Senegal; Seychelles; Sierra Leone; Somalia; South Africa; South Sudan; Sudan; Swaziland; Tanzania; Togo; Uganda; Zambia;
	Zimbabwe
Latin America and	Anguilla; Antigua and Barbuda; Argentina; Bahamas; Barbados; Be-
Caribbean	lize; Bolivia (Plurinational State of); Brazil; British Virgin Islands;
	Chile; Colombia; Costa Rica; Cuba; Dominica; Dominican Republic;
	Ecuador; El Salvador; Grenada; Guatemala; Guyana; Haiti; Honduras;
	Jamaica; Mexico; Nicaragua; Panama; Paraguay; Peru; Saint Kitts
	and Nevis; Saint Lucia; Saint Vincent and the Grenadines; Suriname;
	Trinidad and Tobago; Turks and Caicos Islands; Uruguay; Venezuela
East Asia and Pa-	(Bolivarian Republic of) Australia; Brunei; Cambodia; China; Cook Islands; Federated States
cific	of Micronesia; Fiji; Indonesia; Japan; Kiribati; Democratic People's
	Republic of Korea; Republic of Korea; Lao People's Democratic Re-
	public; Malaysia; Marshall Islands; Mongolia; Myanmar; Nauru; New
	Zealand; Niue; Palau; Papua New Guinea; Philippines; Samoa; Singa-
	pore; Solomon Islands; Thailand; Timor Leste; Tonga; Tuvalu; Vanuatu;
	Vietnam
North America	Canada; United States of America

Table 9: Classification of countries by UNICEF regions.

Table 10: Completeness of death registration for intercensal periods.

Country	First	Second	Males	Females	Both sexes
•	census	census			
Albania	1989	2001	1.00	1.00	1.00
Albania	2001	2011	1.00	1.00	1.00
Algeria	1998	2008	1.00	1.00	1.00
Antigua and Barbuda	2001	2011	1.00	1.00	1.00
Argentina	1991	2001	1.00	1.00	1.00
Argentina	2001	2010	1.00	1.00	1.00
Armenia	1989	2001	1.00	1.00	1.00
Armenia	2001	2011	1.00	1.00	1.00
Azerbaijan	1989	1999	0.93	0.86	0.90
Azerbaijan	1999	2009	0.92	0.93	0.93
Bahamas	1990	2000	0.81	0.81	0.81
Bahamas	2000	2010	0.90	0.89	0.89
Bahrain	1991	2001	1.00	1.00	1.00
Bahrain	2001	2010	0.92	0.89	0.91
Barbados	2000	2010	1.00	1.00	1.00
Belize	1991	2000	1.00	1.00	1.00
Belize	2000	2010	1.00	0.91	0.93
Brazil	1991	2000	1.00	1.00	1.00
Brazil	2000	2010	0.93	0.92	0.92
Brunei Darussalam	1991	2011	1.00	1.00	1.00
Cape Verde	1990	2000	0.86	1.00	0.93
Cape Verde	2000	2010	1.00	1.00	1.00
Colombia	1993	2005	0.95	1.00	1.00
Cook Islands	1996	2006	1.00	1.00	1.00
Costa Rica	1984	2000	1.00	0.90	1.00
Costa Rica	2000	2011	1.00	0.92	1.00
Cuba	1981	2002	1.00	1.00	1.00
Cuba	2002	2012	1.00	1.00	1.00
Cyprus	1992	2001	1.00	1.00	1.00
Cyprus	2001	2011	0.88	0.87	0.88
Dominica	1991	2001	1.00	0.92	1.00
Dominica	2001	2011	1.00	1.00	1.00
Dominican Republic	2002	2010	0.54	0.53	0.54
Ecuador	1990	2001	1.00	1.00	1.00
Ecuador	2001	2010	0.66	0.66	0.66
Egypt	1996	2006	1.00	1.00	1.00
Egypt	2006	2017	0.90	1.00	1.00
El Salvador	1992	2007	1.00	1.00	1.00
Fiji	2007	2017	0.93	1.00	1.00
Georgia	1989	2002	0.91	0.80	0.85
Georgia	2002	2014	1.00	1.00	1.00
Grenada	1981	2001	0.79	0.84	0.82
Grenada	2001	2011	1.00	1.00	1.00
Guatemala	1981	2018	1.00	1.00	1.00
Guyana	1991	2002	1.00	1.00	1.00
Guyana	2002	2012	1.00	1.00	1.00

Table 10 – continued from previous page

Iran (Islamic Republic of) 1996 2006 0.44 0.44 0.44 Iran (Islamic Republic of) 2006 2011 0.84 0.84 0.84 Jamaica 1991 2001 0.82 0.90 0.86 Jamaica 2004 2011 0.90 1.00 0.93 Jordan 2004 2015 0.49 0.55 0.51 Kazakhstan 1999 2009 1.00 1.00 1.00 Kiribati 1995 2005 0.50 0.40 0.45 Kuwait 1995 2005 1.00 1.00 1.00 Kyrgyzstan 1989 1999 1.00 1.00 1.00 Kyrgyzstan 1999 2000 1.00 1.00 1.00 Malaysia 1991 2000 1.00 1.00 1.00 Maldives 1985 1995 1.00 0.93 1.00 Maldives 1995 2006 1.00 1.00 1.00	Table 10 – continued from previous page											
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Iran (Islamic Republic of) 2006 2011 0.84 0.84 Jamaica 1991 2001 0.82 0.90 0.86 Jamaica 2001 2011 0.90 1.00 0.93 Jordan 2004 2015 0.49 0.55 0.51 Kazakhstan 1999 2009 1.00 1.00 1.00 Kiribati 1995 2005 0.50 0.40 0.45 Kuwait 1995 2005 1.00 1.00 1.00 Kyrgyzstan 1989 1999 1.00 1.00 1.00 Malaysia 1991 2000 1.00 1.00 1.00 Maldives 1985 1995 1.00 0.93 1.00 Maldives 1985 1995 1.00 0.93 1.00 Marshall Islands 1988 1999 0.74 0.46 0.60 Mauritius 1990 2000 1.00 1.00 1.00 Mexic		census										
Jamaica 1991 2001 0.82 0.90 0.86 Jamaica 2001 2011 0.90 1.00 0.93 Jordan 2004 2015 0.49 0.55 0.51 Kazakhstan 1999 2009 1.00 1.00 1.00 Kiribati 1995 2005 0.50 0.40 0.45 Kuwait 1995 2005 0.50 0.40 0.45 Kuwait 1995 2005 1.00 1.00 1.00 Kyrgyzstan 1989 1999 1.00 1.00 1.00 Malaysia 1991 2000 1.00 1.00 1.00 Maldives 1985 1995 1.00 0.93 1.00 Maldives 1995 2006 1.00 1.00 1.00 Malta 1995 2006 1.00 1.00 1.00 Maritus 1990 2000 1.00 1.00 1.00 Mauritus	Iran (Islamic Republic of)	1996	2006	0.44	0.44	0.44						
Jamaica 2001 2011 0.90 1.00 0.93 Jordan 2004 2015 0.49 0.55 0.51 Kazakhstan 1999 2009 1.00 1.00 1.00 Kiribati 1995 2005 0.50 0.40 0.45 Kuwait 1995 2005 1.00 1.00 1.00 Kyrgyzstan 1989 1999 1.00 1.00 1.00 Malaysia 1991 2000 1.00 1.00 1.00 Malaysia 1991 2000 1.00 1.00 1.00 Malaysia 1995 2006 1.00 1.00 1.00 Malaysia 1995 2006 1.00 1.00 1.00 Malaysia 1995 2005 1.00 0.93 1.00 Malatysia 1995 2006 1.00 1.00 1.00 Malaysia 1995 2005 1.00 1.00 1.00 Mality </td <td>Iran (Islamic Republic of)</td> <td>2006</td> <td>2011</td> <td>0.84</td> <td>0.84</td> <td>0.84</td>	Iran (Islamic Republic of)	2006	2011	0.84	0.84	0.84						
Dordan 2004 2015 0.49 0.55 0.51 Kazakhstan 1999 2009 1.00 1.00 1.00 Kiribati 1995 2005 0.50 0.40 0.45 Kuwait 1995 2005 1.00 1.00 1.00 Kyrgyzstan 1989 1999 1.00 1.00 1.00 Kyrgyzstan 1999 2009 1.00 1.00 1.00 Malaysia 1991 2000 1.00 1.00 1.00 Maldives 1985 1995 1.00 0.93 1.00 Maldives 1995 2006 1.00 1.00 1.00 Maldives 1995 2006 1.00 1.00 1.00 Malta 1995 2005 1.00 0.94 1.00 Marshall Islands 1988 1999 0.74 0.46 0.60 Mauritius 1990 2000 1.00 1.00 1.00 Mauritius 1990 2000 1.00 1.00 1.00 Maxico 1990 2000 1.00 1.00 1.00 Mexico 1990 2000 1.00 1.00 1.00 Mongolia 1989 2000 0.88 0.82 0.85 Mongolia 1989 2000 0.88 0.82 0.85 Mongolia 1989 2001 1.00 1.00 1.00 Montenegro 1991 2003 1.00 0.89 1.00 Morteco 1994 2004 0.45 0.25 0.35 Nicaragua 1995 2005 0.79 0.74 0.76 North Macedonia 1991 2002 1.00 0.94 1.00 Montengro 1991 2002 1.00 0.97 0.78 North Macedonia 1991 2002 1.00 0.97 0.78 Peru 1993 2007 0.75 0.80 0.77 Peru 1993 2007 0.76 0.78 0.77 Peru 1993 2007 0.75 0.80 0.77 Peru 1994 2007 1.00 1.00 1.00 Montengia 1995 2005 1.00 1.00 1.00 Republic of Korea 2005	Jamaica	1991	2001	0.82	0.90	0.86						
Kazakhstan 1999 2009 1.00 1.00 Kiribati 1995 2005 0.50 0.40 0.45 Kuwait 1995 2005 1.00 1.00 1.00 Kyrgyzstan 1989 1999 1.00 1.00 1.00 Malaysia 1991 2000 1.00 1.00 1.00 Maldives 1985 1995 1.00 1.00 1.00 Maldives 1995 2006 1.00 1.00 1.00 Marshall Islands 1988 1999 0.74 0.46 0.60 Mauritius 1990 2000 1.00 1.00 1.00 Mauritius 2000 2011 1.00 1.00 1.00 Mexico	Jamaica	2001	2011	0.90	1.00	0.93						
Kiribati 1995 2005 0.50 0.40 0.45 Kuwait 1995 2005 1.00 1.00 1.00 Kyrgyzstan 1989 1999 1.00 1.00 1.00 Kyrgyzstan 1999 2009 1.00 1.00 1.00 Malaysia 1991 2000 1.00 1.00 1.00 Maldives 1985 1995 1.00 0.93 1.00 Malta 1995 2006 1.00 1.00 1.00 Malta 1995 2006 1.00 1.00 1.00 Malta 1995 2006 1.00 1.00 1.00 Maritius 1996 2006 1.00 1.00 1.00 Mauritius 1990 2000 1.00 1.00 1.00 Mauritius 1990 2000 1.00 1.00 1.00 Mexico 1990 2000 1.00 1.00 1.00 Mexico	Jordan	2004	2015	0.49	0.55	0.51						
Kuwait 1995 2005 1.00 1.00 1.00 Kyrgyzstan 1989 1999 1.00 1.00 1.00 Kyrgyzstan 1999 2009 1.00 1.00 1.00 Malaysia 2000 2010 1.00 1.00 1.00 Maldives 1985 1995 1.00 0.93 1.00 Maldives 1995 2006 1.00 1.00 1.00 Malta 1995 2005 1.00 0.94 1.00 Marshall Islands 1988 1999 0.74 0.46 0.60 Mauritius 1990 2000 1.00 1.00 1.00 Mauritius 1990 2000 1.00 1.00 1.00 Mexico 1990 2000 1.00 1.00 1.00 Mexico 1990 2000 1.00 1.00 1.00 Mongolia 1988 2000 0.88 0.82 0.85 Mon	Kazakhstan	1999	2009	1.00	1.00	1.00						
Kyrgyzstan 1989 1999 1.00 1.00 1.00 Kyrgyzstan 1999 2009 1.00 1.00 1.00 Malaysia 1991 2000 1.00 1.00 1.00 Maldives 1985 1995 1.00 0.93 1.00 Maldives 1995 2006 1.00 1.00 1.00 Maldives 1995 2005 1.00 0.94 1.00 Malta 1995 2005 1.00 0.94 1.00 Maritius 1990 2000 1.00 1.00 1.00 Mauritius 2000 2010 1.00 1.00 1.00 Mauritius 2000 2010 1.00 1.00 1.00 Mauritius 2000 2010 1.00 1.00 1.00 Maxico 1990 2000 1.00 1.00 1.00 Mexico 1990 2000 0.88 0.82 0.85 Mongolia	Kiribati	1995	2005	0.50	0.40	0.45						
Kyrgyzstan 1999 2009 1.00 1.00 1.00 Malaysia 1991 2000 1.00 1.00 1.00 Malaysia 2000 2010 1.00 1.00 1.00 Maldives 1985 1995 1.00 0.93 1.00 Malta 1995 2006 1.00 1.00 1.00 Marshall Islands 1988 1999 0.74 0.46 0.60 Mauritius 1990 2000 1.00 1.00 1.00 Mauritius 2000 2011 1.00 1.00 1.00 Maxico 1990 2000 1.00 1.00 1.00 Mexico 2000 2010 1.00 1.00 1.00 Mongolia 1989 2000 0.88 0.82 0.85 Mongolia 1989 2000 0.88 0.82 0.85 Mongolia 1991 2003 1.01 1.00 1.00 Mor	Kuwait	1995	2005	1.00	1.00	1.00						
Malaysia 1991 2000 1.00 1.00 1.00 Malaysia 2000 2010 1.00 1.00 1.00 Maldives 1985 1995 1.00 0.93 1.00 Maltives 1995 2005 1.00 0.94 1.00 Malta 1995 2005 1.00 0.94 1.00 Marshall Islands 1988 1999 0.74 0.46 0.60 Mauritius 1990 2000 1.00 1.00 1.00 Mexico 1990 2000 1.00 1.00 1.00 Mexico 1990 2000 1.00 1.00 1.00 Mexico 2000 2011 1.00 1.00 1.00 Mongolia 1989 2000 0.88 0.82 0.85 Mongolia 1989 2000 0.88 0.82 0.85 Mongolia 1989 2000 0.88 0.82 0.85 Mongolia	Kyrgyzstan	1989	1999	1.00	1.00	1.00						
Malaysia 2000 2010 1.00 1.00 1.00 Maldives 1985 1995 1.00 0.93 1.00 Maldives 1995 2006 1.00 1.00 1.00 Malta 1995 2005 1.00 0.94 1.00 Marshall Islands 1988 1999 0.74 0.46 0.60 Mauritius 1990 2000 1.00 1.00 1.00 Mauritius 2000 2011 1.00 1.00 1.00 Mexico 1990 2000 1.00 1.00 1.00 Mexico 2000 2010 1.00 1.00 1.00 Mongolia 1989 2000 0.88 0.82 0.85 Mongolia 1989 2000 0.88 0.82 0.85 Mongolia 1989 2000 0.88 0.82 0.85 Mongolia 1989 2003 1.00 1.00 1.00 Mongo	Kyrgyzstan	1999	2009	1.00	1.00	1.00						
Maldives 1985 1995 1.00 0.93 1.00 Maldives 1995 2006 1.00 1.00 1.00 Malta 1995 2005 1.00 0.94 1.00 Marshall Islands 1988 1999 0.74 0.46 0.60 Mauritius 1990 2000 1.00 1.00 1.00 Mauritius 2000 2011 1.00 1.00 1.00 Mexico 1990 2000 1.00 1.00 1.00 Mexico 2000 2010 1.00 1.00 1.00 Mongolia 1989 2000 0.88 0.82 0.85 Mongolia 1989 2000 0.88 0.82 0.85 Mongolia 1989 2000 0.88 0.82 0.85 Mongolia 1999 2000 0.88 0.82 0.85 Mongolia 1991 2003 2011 1.00 1.00 Month	Malaysia	1991	2000	1.00	1.00	1.00						
Maldives 1995 2006 1.00 1.00 Malta 1995 2005 1.00 0.94 1.00 Marshall Islands 1988 1999 0.74 0.46 0.60 Mauritius 1990 2000 1.00 1.00 1.00 Mexico 1990 2000 2011 1.00 1.00 1.00 Mexico 2000 2010 1.00 1.00 1.00 1.00 Mexico 2000 2010 1.00 1.00 1.00 1.00 Mongolia 1989 2000 0.88 0.82 0.85 Mongolia 2003 2011 1.00 1.00 1.00 Montenegro 1991 2003 1.00 0.89 1.00 Montenegro 1991 2003 2011 1.00 1.00 1.00 Montenegro 1994 2004 0.45 0.25 0.35 Nicaragua 1995 2005 0.79 <t< td=""><td>Malaysia</td><td>2000</td><td>2010</td><td>1.00</td><td>1.00</td><td>1.00</td></t<>	Malaysia	2000	2010	1.00	1.00	1.00						
Malta 1995 2005 1.00 0.94 1.00 Marshall Islands 1988 1999 0.74 0.46 0.60 Mauritius 1990 2000 1.00 1.00 1.00 Mexico 1990 2000 1.00 1.00 1.00 Mexico 2000 2010 1.00 1.00 1.00 Mongolia 1989 2000 0.88 0.82 0.85 Mongolia 2000 2010 1.00 1.00 1.00 Montenegro 1991 2003 1.00 0.89 1.00 Montenegro 1991 2003 1.00 0.89 1.00 Morocco 1994 2004 0.45 0.25 0.35 Nicaragua 1995 2005 0.79 0.74 0.76 North Macedonia 1991 2002 1.00 0.94 1.00 Panama 1990 2000 0.88 0.87 0.88 <	Maldives	1985	1995	1.00	0.93	1.00						
Marshall Islands 1988 1999 0.74 0.46 0.60 Mauritius 1990 2000 1.00 1.00 1.00 Maxico 1990 2000 2011 1.00 1.00 1.00 Mexico 2000 2010 1.00 1.00 1.00 1.00 Mongolia 1989 2000 0.88 0.82 0.85 Mongolia 2000 2010 1.00 1.00 1.00 Montenegro 1991 2003 1.00 0.89 1.00 Morocco 1994 2004 0.45 0.25 0.35 Nicaragua 1995 2005 0.79 0.74 0.76 North Macedonia 1991 2002 1.00 0.94 1.00 Panama 1990 2000 0.88 0.87 0.88 Panama 1990 2000 0.88 0.87 0.89 Paraguay 1992 2002 0.76 0.78	Maldives	1995	2006	1.00	1.00	1.00						
Mauritius 1990 2000 1.00 1.00 1.00 Mauritius 2000 2011 1.00 1.00 1.00 Mexico 1990 2000 1.00 1.00 1.00 Mexico 2000 2010 1.00 1.00 1.00 Mongolia 1989 2000 0.88 0.82 0.85 Mongolia 2000 2010 1.00 1.00 1.00 Montenegro 1991 2003 1.00 0.89 1.00 Montenegro 2003 2011 1.00 1.00 1.00 Morocco 1994 2004 0.45 0.25 0.35 Nicaragua 1995 2005 0.79 0.74 0.76 North Macedonia 1991 2002 1.00 0.94 1.00 Panama 1990 2000 0.88 0.87 0.88 Panama 1990 2000 0.88 0.87 0.89 Par	Malta	1995	2005	1.00	0.94	1.00						
Mauritius 2000 2011 1.00 1.00 1.00 Mexico 1990 2000 1.00 1.00 1.00 Mexico 2000 2010 1.00 1.00 1.00 Mongolia 1989 2000 0.88 0.82 0.85 Mongolia 2000 2010 1.00 1.00 1.00 Montenegro 1991 2003 1.00 0.89 1.00 Montenegro 1994 2004 0.45 0.25 0.35 Nicaragua 1995 2005 0.79 0.74 0.76 North Macedonia 1991 2002 1.00 0.94 1.00 Panama 1990 2000 0.88 0.87 0.88 Panama 1990 2000 0.88 0.87 0.88 Panama 1990 2000 0.88 0.87 0.89 Paraguay 1992 2002 0.76 0.78 0.77 Peru<	Marshall Islands	1988	1999	0.74	0.46	0.60						
Mexico 1990 2000 1.00 1.00 1.00 Mexico 2000 2010 1.00 1.00 1.00 Mongolia 1989 2000 0.88 0.82 0.85 Mongolia 2000 2010 1.00 1.00 1.00 Montenegro 1991 2003 1.00 0.89 1.00 Morocco 1994 2004 0.45 0.25 0.35 Nicaragua 1995 2005 0.79 0.74 0.76 North Macedonia 1991 2002 1.00 0.94 1.00 Panama 1990 2000 0.88 0.87 0.88 Panama 1990 2000 0.88 0.87 0.88 Paraguay 1992 2002 0.76 0.78 0.77 Peru 1993 2007 0.75 0.80 0.77 Peru 1993 2007 0.75 0.80 0.73 Philippines <td>Mauritius</td> <td>1990</td> <td>2000</td> <td>1.00</td> <td>1.00</td> <td>1.00</td>	Mauritius	1990	2000	1.00	1.00	1.00						
Mexico 2000 2010 1.00 1.00 Mongolia 1989 2000 0.88 0.82 0.85 Mongolia 2000 2010 1.00 1.00 1.00 Montenegro 1991 2003 1.00 0.89 1.00 Morocco 1994 2004 0.45 0.25 0.35 Nicaragua 1995 2005 0.79 0.74 0.76 North Macedonia 1991 2002 1.00 0.94 1.00 Panama 1990 2000 0.88 0.87 0.88 Panama 1990 2000 0.88 0.87 0.89 Paraguay 1992 2002 0.76 0.78 0.77 Peru 1993 2007 0.75 0.80 0.77 Peru 2007 2017 0.69 0.78 0.73 Philippines 1990 2000 1.00 1.00 1.00 Qatar 1997	Mauritius	2000	2011	1.00	1.00	1.00						
Mongolia 1989 2000 0.88 0.82 0.85 Mongolia 2000 2010 1.00 1.00 1.00 Montenegro 1991 2003 1.00 0.89 1.00 Morocco 1994 2004 0.45 0.25 0.35 Nicaragua 1995 2005 0.79 0.74 0.76 North Macedonia 1991 2002 1.00 0.94 1.00 Panama 1990 2000 0.88 0.87 0.88 Panama 1990 2000 0.88 0.87 0.88 Paraguay 1992 2002 0.76 0.78 0.77 Peru 1993 2007 0.75 0.80 0.77 Peru 2007 2017 0.69 0.78 0.73 Philippines 1990 2000 1.00 1.00 1.00 Qatar 1997 2010 1.00 1.00 1.00 Republic of	Mexico	1990	2000	1.00	1.00	1.00						
Mongolia 2000 2010 1.00 1.00 1.00 Montenegro 1991 2003 1.00 0.89 1.00 Montenegro 2003 2011 1.00 1.00 1.00 Morocco 1994 2004 0.45 0.25 0.35 Nicaragua 1995 2005 0.79 0.74 0.76 North Macedonia 1991 2002 1.00 0.94 1.00 Panama 1990 2000 0.88 0.87 0.88 Panama 1990 2000 0.88 0.87 0.88 Paraguay 1992 2002 0.76 0.78 0.77 Peru 1993 2007 0.75 0.80 0.77 Peru 1993 2007 0.75 0.80 0.77 Peru 2007 2017 0.69 0.78 0.73 Philippines 1990 2000 1.00 1.00 1.00 Qatar	Mexico	2000	2010	1.00	1.00	1.00						
Montenegro 1991 2003 1.00 0.89 1.00 Montenegro 2003 2011 1.00 1.00 1.00 Morocco 1994 2004 0.45 0.25 0.35 Nicaragua 1995 2005 0.79 0.74 0.76 North Macedonia 1991 2002 1.00 0.94 1.00 Panama 1990 2000 0.88 0.87 0.88 Panama 2000 2010 0.90 0.87 0.89 Paraguay 1992 2002 0.76 0.78 0.77 Peru 1993 2007 0.75 0.80 0.77 Peru 2007 2017 0.69 0.78 0.73 Philippines 1990 2000 1.00 1.00 1.00 Qatar 1997 2010 1.00 1.00 1.00 Republic of Korea 1985 1995 0.89 0.82 0.86	Mongolia	1989	2000	0.88	0.82	0.85						
Montenegro 2003 2011 1.00 1.00 1.00 Morocco 1994 2004 0.45 0.25 0.35 Nicaragua 1995 2005 0.79 0.74 0.76 North Macedonia 1991 2002 1.00 0.94 1.00 Panama 1990 2000 0.88 0.87 0.88 Panama 2000 2010 0.90 0.87 0.89 Paraguay 1992 2002 0.76 0.78 0.77 Peru 1993 2007 0.75 0.80 0.77 Peru 2007 2017 0.69 0.78 0.73 Philippines 1990 2000 1.00 1.00 1.00 Philippines 1990 2000 1.00 1.00 1.00 Qatar 1997 2010 1.00 1.00 1.00 Republic of Korea 1985 1995 0.89 0.82 0.86 <td< td=""><td>Mongolia</td><td>2000</td><td>2010</td><td>1.00</td><td>1.00</td><td>1.00</td></td<>	Mongolia	2000	2010	1.00	1.00	1.00						
Morocco 1994 2004 0.45 0.25 0.35 Nicaragua 1995 2005 0.79 0.74 0.76 North Macedonia 1991 2002 1.00 0.94 1.00 Panama 1990 2000 0.88 0.87 0.88 Panama 2000 2010 0.90 0.87 0.89 Paraguay 1992 2002 0.76 0.78 0.77 Peru 1993 2007 0.75 0.80 0.77 Peru 2007 2017 0.69 0.78 0.73 Philippines 1990 2000 1.00 1.00 1.00 Philippines 2000 2015 0.91 1.00 1.00 Qatar 1997 2010 1.00 1.00 1.00 Republic of Korea 1985 1995 0.89 0.82 0.86 Republic of Korea 1995 2005 1.00 1.00 1.00	Montenegro	1991	2003	1.00	0.89	1.00						
Nicaragua 1995 2005 0.79 0.74 0.76 North Macedonia 1991 2002 1.00 0.94 1.00 Panama 1990 2000 0.88 0.87 0.88 Panama 2000 2010 0.90 0.87 0.89 Paraguay 1992 2002 0.76 0.78 0.77 Peru 1993 2007 0.75 0.80 0.77 Peru 2007 2017 0.69 0.78 0.73 Philippines 1990 2000 1.00 1.00 1.00 Philippines 2000 2015 0.91 1.00 1.00 Qatar 1997 2010 1.00 1.00 1.00 Republic of Korea 1985 1995 0.89 0.82 0.86 Republic of Korea 1995 2005 1.00 1.00 1.00 Republic of Moldova 1989 2004 1.00 1.00 1.00	Montenegro	2003	2011	1.00	1.00	1.00						
North Macedonia 1991 2002 1.00 0.94 1.00 Panama 1990 2000 0.88 0.87 0.88 Panama 2000 2010 0.90 0.87 0.89 Paraguay 1992 2002 0.76 0.78 0.77 Peru 1993 2007 0.75 0.80 0.77 Peru 2007 2017 0.69 0.78 0.73 Philippines 1990 2000 1.00 1.00 1.00 Philippines 2000 2015 0.91 1.00 1.00 Philippines 2000 2015 0.91 1.00 1.00 Qatar 1997 2010 1.00 1.00 1.00 Republic of Korea 1985 1995 0.89 0.82 0.86 Republic of Korea 1995 2005 1.00 1.00 1.00 Republic of Moldova 1989 2004 1.00 1.00 1.00	Morocco	1994	2004	0.45	0.25	0.35						
Panama 1990 2000 0.88 0.87 0.88 Panama 2000 2010 0.90 0.87 0.89 Paraguay 1992 2002 0.76 0.78 0.77 Peru 1993 2007 0.75 0.80 0.77 Peru 2007 2017 0.69 0.78 0.73 Philippines 1990 2000 1.00 1.00 1.00 Philippines 2000 2015 0.91 1.00 1.00 Republic of Korea 1997 2010 1.00 1.00 1.00 Republic of Korea 1995 2005 1.00 1.00 1.00 Republic of Moldova 1989 2004 1.00 1.00 1.00 <td>Nicaragua</td> <td>1995</td> <td>2005</td> <td>0.79</td> <td>0.74</td> <td>0.76</td>	Nicaragua	1995	2005	0.79	0.74	0.76						
Panama 2000 2010 0.90 0.87 0.89 Paraguay 1992 2002 0.76 0.78 0.77 Peru 1993 2007 0.75 0.80 0.77 Peru 2007 2017 0.69 0.78 0.73 Philippines 1990 2000 1.00 1.00 1.00 Philippines 2000 2015 0.91 1.00 1.00 Philippines 1997 2010 1.00 1.00 1.00 Republic of Korea 1985 1995 0.89 0.82 0.86 Republic of Korea 1995 2005 1.00 1.00 1.00 Republic of Moldova 1989 2004 1.00 1.00 1.00	North Macedonia	1991	2002	1.00	0.94	1.00						
Paraguay 1992 2002 0.76 0.78 0.77 Peru 1993 2007 0.75 0.80 0.77 Peru 2007 2017 0.69 0.78 0.73 Philippines 1990 2000 1.00 1.00 1.00 Philippines 2000 2015 0.91 1.00 1.00 Philippines 2000 2015 0.91 1.00 1.00 Qatar 1997 2010 1.00 1.00 1.00 Republic of Korea 1985 1995 0.89 0.82 0.86 Republic of Korea 1995 2005 1.00 1.00 1.00 Republic of Moldova 1989 2004 1.00 1.00 1.00 Romania 1992 2002 1.00 1.00 1.00 Romania 2002 2011 1.00 1.00 1.00 Saint Kitts and Nevis 1991 2001 1.00 1.00 1.00 Saint Vincent and the Grenadines 1991 2001 1.00 1.00	Panama	1990	2000	0.88	0.87	0.88						
Peru 1993 2007 0.75 0.80 0.77 Peru 2007 2017 0.69 0.78 0.73 Philippines 1990 2000 1.00 1.00 1.00 Philippines 2000 2015 0.91 1.00 1.00 Philippines 2000 2015 0.91 1.00 1.00 Qatar 1997 2010 1.00 1.00 1.00 Republic of Korea 1985 1995 0.89 0.82 0.86 Republic of Korea 1995 2005 1.00 1.00 1.00 Republic of Moldova 1989 2004 1.00 1.00 1.00 Republic of Moldova 1989 2004 1.00 1.00 1.00 Romania 1992 2002 1.00 1.00 1.00 Romania 2002 2011 1.00 1.00 1.00 Saint Kitts and Nevis 1991 2001 1.00 1.00	Panama	2000	2010	0.90	0.87	0.89						
Peru 2007 2017 0.69 0.78 0.73 Philippines 1990 2000 1.00 1.00 1.00 Philippines 2000 2015 0.91 1.00 1.00 Qatar 1997 2010 1.00 1.00 1.00 Republic of Korea 1985 1995 0.89 0.82 0.86 Republic of Korea 1995 2005 1.00 1.00 1.00 Republic of Moldova 1989 2004 1.00 1.00 1.00 Republic of Moldova 2004 2014 1.00 1.00 1.00 Romania 1992 2002 1.00 1.00 1.00 Romania 2002 2011 1.00 1.00 1.00 Saint Kitts and Nevis 1991 2001 1.00 1.00 1.00 Saint Vincent and the Grenadines 1991 2001 1.00 1.00 1.00	Paraguay	1992	2002	0.76	0.78	0.77						
Philippines 1990 2000 1.00 1.00 1.00 Philippines 2000 2015 0.91 1.00 1.00 Qatar 1997 2010 1.00 1.00 1.00 Republic of Korea 1985 1995 0.89 0.82 0.86 Republic of Korea 1995 2005 1.00 1.00 1.00 Republic of Korea 2005 2015 0.81 0.77 0.79 Republic of Moldova 1989 2004 1.00 1.00 1.00 Republic of Moldova 2004 2014 1.00 1.00 1.00 Romania 1992 2002 1.00 1.00 1.00 Romania 2002 2011 1.00 1.00 1.00 Saint Kitts and Nevis 1991 2001 1.00 1.00 1.00 Saint Uricent and the Grenadines 1991 2001 1.00 1.00 1.00	Peru	1993	2007	0.75	0.80	0.77						
Philippines 2000 2015 0.91 1.00 1.00 Qatar 1997 2010 1.00 1.00 1.00 Republic of Korea 1985 1995 0.89 0.82 0.86 Republic of Korea 1995 2005 1.00 1.00 1.00 Republic of Korea 2005 2015 0.81 0.77 0.79 Republic of Moldova 1989 2004 1.00 1.00 1.00 Republic of Moldova 2004 2014 1.00 1.00 1.00 Romania 1992 2002 1.00 1.00 1.00 Romania 2002 2011 1.00 1.00 1.00 Saint Kitts and Nevis 1991 2001 1.00 1.00 1.00 Saint Uricent and the Grenadines 1991 2001 1.00 1.00 1.00	Peru	2007	2017	0.69	0.78	0.73						
Qatar 1997 2010 1.00 1.00 1.00 Republic of Korea 1985 1995 0.89 0.82 0.86 Republic of Korea 1995 2005 1.00 1.00 1.00 Republic of Korea 2005 2015 0.81 0.77 0.79 Republic of Moldova 1989 2004 1.00 1.00 1.00 Republic of Moldova 2004 2014 1.00 1.00 1.00 Romania 1992 2002 1.00 1.00 1.00 Romania 2002 2011 1.00 1.00 1.00 Saint Kitts and Nevis 1991 2001 1.00 1.00 1.00 Saint Lucia 1991 2001 1.00 1.00 1.00 Saint Vincent and the Grenadines 1991 2001 1.00 1.00 1.00	Philippines	1990	2000	1.00	1.00	1.00						
Republic of Korea 1985 1995 0.89 0.82 0.86 Republic of Korea 1995 2005 1.00 1.00 1.00 Republic of Korea 2005 2015 0.81 0.77 0.79 Republic of Moldova 1989 2004 1.00 1.00 1.00 Republic of Moldova 2004 2014 1.00 1.00 1.00 Romania 1992 2002 1.00 1.00 1.00 Romania 2002 2011 1.00 1.00 1.00 Saint Kitts and Nevis 1991 2001 1.00 1.00 1.00 Saint Lucia 1991 2001 1.00 1.00 1.00 Saint Vincent and the Grenadines 1991 2001 1.00 1.00 1.00	Philippines	2000	2015	0.91	1.00	1.00						
Republic of Korea 1995 2005 1.00 1.00 1.00 Republic of Korea 2005 2015 0.81 0.77 0.79 Republic of Moldova 1989 2004 1.00 1.00 1.00 Republic of Moldova 2004 2014 1.00 1.00 1.00 Romania 1992 2002 1.00 1.00 1.00 Romania 2002 2011 1.00 1.00 1.00 Saint Kitts and Nevis 1991 2001 1.00 1.00 1.00 Saint Lucia 1991 2001 1.00 1.00 1.00 Saint Vincent and the Grenadines 1991 2001 1.00 1.00 1.00	Qatar	1997	2010	1.00	1.00	1.00						
Republic of Korea 2005 2015 0.81 0.77 0.79 Republic of Moldova 1989 2004 1.00 1.00 1.00 Republic of Moldova 2004 2014 1.00 1.00 1.00 Romania 1992 2002 1.00 1.00 1.00 Romania 2002 2011 1.00 1.00 1.00 Saint Kitts and Nevis 1991 2001 1.00 1.00 1.00 Saint Lucia 1991 2001 1.00 1.00 1.00 Saint Vincent and the Grenadines 1991 2001 1.00 1.00 1.00	Republic of Korea	1985	1995	0.89	0.82	0.86						
Republic of Moldova 1989 2004 1.00 1.00 1.00 Republic of Moldova 2004 2014 1.00 1.00 1.00 Romania 1992 2002 1.00 1.00 1.00 Romania 2002 2011 1.00 1.00 1.00 Saint Kitts and Nevis 1991 2001 1.00 1.00 1.00 Saint Lucia 1991 2001 1.00 1.00 1.00 Saint Vincent and the Grenadines 1991 2001 1.00 1.00 1.00	Republic of Korea	1995	2005	1.00	1.00	1.00						
Republic of Moldova 2004 2014 1.00 1.00 1.00 Romania 1992 2002 1.00 1.00 1.00 Romania 2002 2011 1.00 1.00 1.00 Saint Kitts and Nevis 1991 2001 1.00 1.00 1.00 Saint Lucia 1991 2001 1.00 1.00 1.00 Saint Vincent and the Grenadines 1991 2001 1.00 1.00 1.00	Republic of Korea	2005	2015	0.81	0.77	0.79						
Romania 1992 2002 1.00 1.00 1.00 Romania 2002 2011 1.00 1.00 1.00 Saint Kitts and Nevis 1991 2001 1.00 1.00 1.00 Saint Lucia 1991 2001 1.00 1.00 1.00 Saint Vincent and the Grenadines 1991 2001 1.00 1.00 1.00	Republic of Moldova	1989	2004	1.00	1.00	1.00						
Romania 2002 2011 1.00 1.00 1.00 Saint Kitts and Nevis 1991 2001 1.00 1.00 1.00 Saint Lucia 1991 2001 1.00 1.00 1.00 Saint Vincent and the Grenadines 1991 2001 1.00 1.00 1.00	Republic of Moldova	2004	2014	1.00	1.00	1.00						
Saint Kitts and Nevis 1991 2001 1.00 1.00 1.00 Saint Lucia 1991 2001 1.00 1.00 1.00 Saint Vincent and the Grenadines 1991 2001 1.00 1.00 1.00	Romania	1992	2002	1.00	1.00	1.00						
Saint Lucia 1991 2001 1.00 1.00 1.00 Saint Vincent and the Grenadines 1991 2001 1.00 1.00 1.00	Romania	2002	2011	1.00	1.00	1.00						
Saint Lucia 1991 2001 1.00 1.00 1.00 Saint Vincent and the Grenadines 1991 2001 1.00 1.00 1.00	Saint Kitts and Nevis	1991	2001	1.00	1.00	1.00						
		1991	2001	1.00	1.00	1.00						
	Saint Vincent and the Grenadines	1991	2001	1.00	1.00	1.00						
Saint Vincent and the Grenadines 2001 2012 1.00 1.00 1.00	Saint Vincent and the Grenadines	2001	2012	1.00	1.00	1.00						
Serbia 1991 2002 1.00 1.00 1.00	Serbia											

Table 10 – continued from previous page

Country	First	Second	Males	Females	Both sexes
·	census	census			
Serbia	2002	2011	0.94	1.00	1.00
Seychelles	1994	2002	1.00	1.00	1.00
Seychelles	2002	2010	1.00	1.00	1.00
Singapore	1990	2000	0.75	0.78	0.77
Singapore	2000	2010	0.83	0.90	0.86
South Africa	1991	2001	1.00	0.82	1.00
South Africa	2001	2011	0.89	0.91	0.90
Sri Lanka	1981	2001	1.00	1.00	1.00
Sri Lanka	2001	2012	1.00	0.90	1.00
Suriname	1980	2004	0.87	0.92	0.89
Suriname	2004	2012	0.93	0.83	0.88
Tajikistan	1989	2000	0.92	0.70	0.80
Tajikistan	2000	2010	1.00	1.00	1.00
Thailand	1990	2000	0.81	0.83	0.82
Thailand	2000	2010	0.83	0.87	0.85
Tonga	1996	2006	0.93	1.00	1.00
Tonga	2006	2016	1.00	1.00	1.00
Trinidad and Tobago	1990	2000	1.00	1.00	1.00
Trinidad and Tobago	2000	2011	1.00	1.00	1.00
Tunisia	1994	2004	0.89	0.81	0.86
Turkey	2000	2011	0.49	0.54	0.51
Turkmenistan	1989	1995	0.94	0.83	0.89
Uruguay	1996	2004	1.00	1.00	1.00
Uruguay	2004	2011	1.00	1.00	1.00
Uzbekistan	1979	1989	0.91	0.85	0.88
Venezuela (Bolivarian Republic of)	1990	2001	1.00	1.00	1.00
Venezuela (Bolivarian Republic of)	2001	2011	0.89	0.85	0.88
Zimbabwe	1992	2002	0.71	0.32	0.48

Table 11: Country-years with crisis adjustments, by age group.

Country	Age Group									
v	0–4	5–14	15–24							
Armenia	1988									
Burundi	1972; 1993	1993	1993							
Bangladesh	1970; 1971	1991	1991							
Bahamas	2019	2019	2019							
Bosnia and Herzegov-	1992; 1993; 1994; 1995	1992; 1993; 1995	1992; 1993; 1994; 1995							
ina	1332, 1330, 1331, 1330	1332, 1338, 1338	1332, 1330, 1331, 1330							
Congo	2019	2019	2019							
Dominica	1979	2019	2019							
Guatemala	1976; 1982	2005								
Honduras	1974; 1998	1998	1998							
Croatia	1991	1991; 1995	1991; 1995							
Haiti	2010	2004; 2010; 2021	2010							
	!	I amount of the second of the								
Indonesia	1965; 2004	2004	2004							
Japan	2011	1995; 2011	2011							
Kuwait	1990	1990	1990; 1991							
Libya	2011	2011								
Sri Lanka	1989; 2004; 2009	2004; 2009	2004							
Maldives	2004	2004	2004							
Myanmar	2008	2008	2008; 2021							
Nicaragua	1972; 1998	1998	1990; 1998							
Peru	1970									
State of Palestine	2014	2014	1990; 1995; 2014; 2018; 2021							
Rwanda	1994	1994	1994							
Sudan	1983; 1984; 1985	2008	2008							
Solomon Islands	1975	2007								
El Salvador	1980	1998; 2001; 2009	1990							
Sao Tome and Principe	1986									
Swaziland	1983									
Syria	1981; 1982; 2011; 2012; 2013; 2014; 2015; 2016; 2017; 2018;	2011; 2012; 2013; 2014; 2015; 2016; 2017; 2018; 2019; 2020;	2011; 2012; 2013; 2014; 2015 2016; 2017; 2018; 2019; 2020							
	2019; 2020; 2021	2021	2021							
Samoa	1964; 2009	2009	2009							
Brazil	2016									
Guinea	2014; 2015									
Liberia	2014; 2015	2003; 2014; 2015	1990; 2003; 2015							
Venezuela (Bolivarian Republic of)	2015; 2016; 2017; 2018; 2019; 2020; 2021	2017; 2018; 2019; 2020; 2021	2017; 2018; 2019; 2020; 2021							
Sierra Leone	2014; 2015		1995							
Afghanistan		1998								
Angola		1990; 1992								
Albania		1997	1997							
Azerbaijan		1992	2008; 2012; 2020							
Bhutan		2000	,							
Botswana		2006								
Chile		2010								
China		2008								
Cape Verde		1995	1995							
Algeria		2003	1996							
Ecuador		2016								
Fiji		2016								
Georgia		1991	1992; 1993; 2008							
Guinea-Bissau		1997	1992; 1993; 2008							
		1997	1997; 1998; 1999							
Iran (Islamic Republic of)		·								
Nepal		2015	2002; 2015							
New Zealand		2011								
Oman		2007								
Pakistan		2005	2005							

Table 11 – continued from previous page

Country		Age Group	
	0–4	5–14	15–24
Philippines		1991; 2013	
Papua New Guinea		1998	1998
Thailand		2004	
Tajikistan		1992; 1996	2000; 2010; 2011
Turkey		1999	1999; 2016
Central African Repub-			2017; 2021
lic			
Democratic Republic			1996
of the Congo			
Ethiopia			1990; 1999
Iraq			2013; 2019
Lebanon			1990; 2006; 2017
Republic of Moldova			1992
Macedonia			2001
Russian Federation			1995
Chad			1990
Trinidad and Tobago			2018
Ukraine			2014

Table 12: Estimates and 90% uncertainty intervals for sex ratios for IMR in 1990 and 2021, the change in sex ratios from 1990 to 2021, sex-specific IMR in 2021, and ratios of estimated to expected female IMR and their change from 1990 to 2021 for the world, UNICEF regions, and all countries. ¶: Sex ratio is outlying in 1990. §: Sex ratio is outlying in 2021. *: The ratio of estimated to expected female mortality is significantly different from one. †: Change is significantly different from zero.

		Sex ratio IMF			IR in 2021 (per 1,000)		timated/Expected	
	1990	2021	Change 1990–2021	Male	Female	1990	2021	Change 1990–2021
World¶	1.13	1.17	0.04	30.6	26.1	1.04	1.03	-0.01
A	[1.11; 1.15] 1.08	[1.14; 1.19] 1.09	[0.01; 0.07]† 0.01	[28.8; 32.8] 32.0	[24.6; 28.0] 29.4	[1.03; 1.06]* 1.09	[1.01; 1.05]* 1.13	[-0.04; 0.01] 0.04
South Asia¶§	[1.05; 1.11]	[1.04; 1.14]	[-0.05; 0.06] 0.00	[29.4; 35.0]	[27.1; 32.1]	[1.06; 1.11]*	[1.08; 1.18]* 0.98	[-0.02; 0.10]
Europe and Central Asia	1.24 [1.22; 1.27]	1.25 [1.22; 1.28]	[-0.03; 0.04]	7.2 [6.8; 8.0]	5.8 [5.5; 6.4]	0.98 [0.96; 1.00]	[0.95; 1.00]	0.00 [-0.03; 0.03]
Middle East and North Africa¶	1.12 [1.10; 1.14]	1.18 [1.14; 1.23]	0.06	19.6 [16.2; 25.4]	16.5 [13.7; 21.4]	1.08 [1.06; 1.11]*	1.04 [0.99; 1.09]	-0.04 [-0.09; 0.01]
Sub-Saharan Africa	1.17 [1.15; 1.18]	1.22 [1.19; 1.25]	0.05 [0.02; 0.09]†	54.7 [50.6; 62.2]	44.9 [41.3; 51.1]	0.99 [0.98; 1.01]	0.99 [0.96; 1.02]	0.00 [-0.03; 0.03]
Latin America and Caribbean	1.22	1.24 [1.19; 1.28]	0.01	15.0 [14.0; 16.4]	12.1 [11.3; 13.3]	0.99	1.00	0.00 [-0.04; 0.04]
East Asia and Pacific	1.15	1.21	0.05	12.9	10.7	1.05	1.01	-0.04
North America	[1.10; 1.21] 1.26	[1.16; 1.25] 1.19	[-0.02; 0.12] -0.06	[11.5; 14.2] 5.7	[9.5; 11.8] 4.8	[1.00; 1.11] 0.98	[0.97; 1.05] 1.00	[-0.11; 0.02] 0.02
Afghanistan	[1.24; 1.27] 1.10	[1.15; 1.24] 1.16	[-0.11; -0.01]† 0.06	[5.4; 6.0] 46.5	[4.5; 5.1] 40.2	[0.97; 0.99]* 1.05	[0.96; 1.04] 1.06	[-0.02; 0.06] 0.01
	[1.03; 1.17] 1.33	[1.06; 1.26] 1.22	[-0.05; 0.18] -0.11	[35.4; 59.8] 9.2	[30.5; 51.6] 7.6	[0.99; 1.12] 0.92	[0.97; 1.15] 1.00	[-0.10; 0.12] 0.08
Albania	[1.23; 1.44] 1.18	[1.14; 1.31] 1.18	[-0.24; 0.02] 0.00	[8.5; 10.1] 20.7	[6.9; 8.3] 17.5	[0.85; 1.00] 1.04	[0.94; 1.07] 1.06	[-0.02; 0.17] 0.02
Algeria	[1.13; 1.23]	[1.10; 1.26]	[-0.10; 0.10]	[18.2; 23.7]	[15.4; 20.1]	[0.99; 1.08]	[0.98; 1.14]	[-0.07; 0.11]
Andorra	1.30 [1.16; 1.48]	1.25 [1.12; 1.42]	-0.05 [-0.20; 0.10]	2.9 [0.8; 11.0]	2.3 [0.6; 8.8]	0.94 [0.82; 1.06]	0.96 [0.83; 1.07]	0.02 [-0.10; 0.13]
Angola	1.15 [1.07; 1.25]	1.25 [1.13; 1.37]	0.10 [-0.04; 0.23]	52.2 [25.7; 94.4]	41.7 [20.5; 75.9]	0.99 [0.92; 1.07]	0.97 [0.88; 1.08]	-0.02 [-0.13; 0.10]
Anguilla¶	1.07 [1.00; 1.15]	0.98 [0.89; 1.07]	-0.09 [-0.19; 0.01]	3.9 [1.8; 8.1]	3.9 [1.9; 8.3]	1.15 [1.07; 1.24]*	1.21 [1.11; 1.34]*	0.06 [-0.06; 0.18]
Antigua and Barbuda	1.18 [1.07; 1.31]	1.16 [1.04; 1.30]	-0.02 [-0.16; 0.11]	5.5	4.8	1.04	1.03	-0.01 [-0.13; 0.11]
Argentina	1.25	1.31	0.06	6.9	[3.1; 7.4] 5.3	0.99	0.92	-0.07
Armenia	[1.23; 1.27] 1.24	[1.26; 1.36] 1.23	[0.00; 0.11]† -0.01	[6.6; 7.3] 10.5	[5.0; 5.6] 8.6	[0.98; 1.01] 0.99	[0.89; 0.96]* 1.01	[-0.11; -0.03]† 0.02
	[1.14; 1.34] 1.28	[1.10; 1.36] 1.19	[-0.15; 0.12] -0.08	[8.2; 13.2] 3.4	[6.7; 10.8] 2.9	[0.91; 1.08] 0.96	[0.90; 1.12] 0.99	[-0.09; 0.13] 0.04
Australia	[1.24; 1.32] 1.26	[1.13; 1.26] 1.19	[-0.15; -0.01]† -0.06	[3.2; 3.7] 3.2	[2.7; 3.1]	[0.93; 0.99]* 0.97	[0.94; 1.05] 0.99	[-0.02; 0.10] 0.02
Austria	[1.21; 1.31]	[1.11; 1.28]	[-0.16; 0.04]	[2.9; 3.6]	[2.4; 3.0]	[0.93; 1.01]	[0.93; 1.07]	[-0.05; 0.10]
Azerbaijan	1.17 [1.09; 1.26]	1.22 [1.10; 1.35]	0.05 [-0.08; 0.19]	18.2 [10.8; 30.5]	14.9 [8.8; 25.2]	1.01 [0.94; 1.09]	1.02 [0.92; 1.13]	0.01 [-0.10; 0.12]
Bahamas¶	1.16 [1.09; 1.24]	1.17 [1.06; 1.27]	0.00 [-0.11; 0.12]	12.3 [10.5; 14.3]	10.5 [8.9; 12.3]	1.07 [1.01; 1.14]*	1.06 [0.97; 1.16]	-0.02 [-0.12; 0.10]
Bahrain¶	1.04 [0.99; 1.10]	1.09 [1.01; 1.18]	0.05 [-0.05; 0.15]	6.2 [5.3; 7.3]	5.6 [4.8; 6.7]	1.20 [1.14; 1.26]*	1.09 [1.01; 1.19]*	-0.10 [-0.20; 0.00]
Bangladesh§	1.16	1.16	-0.01	24.5	21.2	1.00	1.07	0.07
Barbados	[1.12; 1.21]	[1.08; 1.24] 1.18	[-0.09; 0.09] -0.02	[22.2; 27.0] 12.0	[19.1; 23.4] 10.1	[0.96; 1.04]	[1.00; 1.15]* 1.05	[-0.01; 0.16] 0.01
	[1.12; 1.30] 1.37	[1.07; 1.30] 1.26	[-0.15; 0.10] -0.11	[7.9; 18.4] 2.3	[6.6; 15.6] 1.8	[0.96; 1.11] 0.91	[0.95; 1.15] 0.94	[-0.10; 0.13] 0.04
Belarus¶	[1.32; 1.41] 1.34	[1.17; 1.35] 1.27	[-0.20; -0.01]† -0.07	[1.9; 2.6] 3.8	[1.5; 2.1] 3.0	[0.88; 0.94]* 0.92	[0.88; 1.01] 0.93	[-0.04; 0.11] 0.02
Belgium	[1.29; 1.39]	[1.19; 1.35] 1.20	[-0.16; 0.03] -0.04	[3.4; 4.2] 10.5	[2.7; 3.3] 8.7	[0.88; 0.95]* 1.00	[0.88; 1.00]* 1.02	[-0.05; 0.09] 0.02
Belize	[1.14; 1.36]	[1.11; 1.31]	[-0.18; 0.10]	[8.4; 12.9]	[7.0; 10.8]	[0.91; 1.09]	[0.94; 1.11]	[-0.09; 0.14]
Benin	1.15 [1.09; 1.20]	1.23 [1.13; 1.33]	0.08 [-0.03; 0.20]	60.7 [50.6; 73.2]	49.4 [41.1; 59.7]	1.01 [0.96; 1.07]	0.98 [0.90; 1.07]	-0.03 [-0.12; 0.07]
Bhutan	1.12 [1.02; 1.22]	1.20 [1.09; 1.34]	0.09 [-0.04; 0.23]	24.5 [14.8; 38.9]	20.3 [12.2; 32.5]	1.05 [0.96; 1.15]	1.03 [0.93; 1.14]	-0.03 [-0.15; 0.10]
Bolivia (Plurinational State of)	1.17 [1.12; 1.23]	1.23 [1.12; 1.36]	0.06 [-0.06; 0.19]	22.2 [15.6; 31.1]	18.1 [12.7; 25.5]	1.00 [0.96; 1.05]	1.01 [0.92; 1.11]	0.01 [-0.09; 0.11]
Bosnia and Herzegovina	1.24	1.21	-0.03	5.3	4.4	1.00	0.98	-0.02 [-0.11; 0.07]
Botswana	[1.19; 1.29]	[1.12; 1.32]	[-0.13; 0.08] -0.02	[4.1; 6.8]	[3.4; 5.6] 25.4	[0.96; 1.05]	[0.91; 1.06]	0.02
Brazil	[1.14; 1.37]	[1.11; 1.36] 1.26	[-0.17; 0.12] 0.03	[9.8; 89.2] 14.3	[7.9; 72.6] 11.4	[0.90; 1.08] 0.98	[0.90; 1.12] 0.99	[-0.10; 0.14] 0.00
	[1.14; 1.33] 1.26	[1.13; 1.40] 1.18	[-0.10; 0.17] -0.07	[12.1; 16.9] 10.7	[9.6; 13.4] 9.1	[0.91; 1.06] 0.99	[0.89; 1.10] 1.03	[-0.10; 0.11] 0.04
British Virgin Islands	[1.18; 1.33] 1.18	[1.08; 1.30] 1.20	[-0.20; 0.06] 0.02	[4.9; 23.5] 10.5	[4.1; 19.7] 8.7	[0.94; 1.05] 1.04	[0.94; 1.14] 1.03	[-0.06; 0.16] -0.01
Brunei	[1.10; 1.27]	[1.09; 1.31]	[-0.10; 0.14]	[8.7; 12.6]	[7.3; 10.6]	[0.97; 1.12]	[0.94; 1.12]	[-0.12; 0.09]
Bulgaria	1.29 [1.25; 1.34]	1.18 [1.12; 1.26]	-0.11 [-0.19; -0.03]†	5.7 [5.3; 6.1]	4.8 [4.5; 5.2]	0.96 [0.93; 0.99]*	1.01 [0.95; 1.07]	0.04 [-0.02; 0.11]
Burkina Faso	1.17 [1.11; 1.23]	1.20 [1.10; 1.32]	0.04 [-0.08; 0.16]	56.4 [42.9; 74.6]	46.8 [35.7; 62.1]	1.00 [0.95; 1.05]	1.01 [0.92; 1.10]	0.01 [-0.09; 0.12]
Burundi	1.19 [1.11; 1.28]	1.25 [1.14; 1.37]	0.06 [-0.07; 0.19]	41.7 [27.9; 62.2]	33.4 [22.2; 50.0]	0.97 [0.90; 1.05]	0.98 [0.89; 1.08]	0.01 [-0.10; 0.12]
Cambodia	1.22	1.28	0.05	23.8	18.6	0.96	0.97	0.01
Cameroon	[1.16; 1.28]	[1.16; 1.39] 1.24	[-0.08; 0.18] 0.03	[11.6; 47.7] 51.8	[9.2; 37.3] 41.9	[0.91; 1.01] 0.97	[0.89; 1.07] 0.98	[-0.09; 0.12] 0.01
Canada	[1.14; 1.27] 1.25	[1.13; 1.35] 1.15	[-0.09; 0.16] -0.09	[41.8; 64.1] 4.7	[33.6; 51.8] 4.1	[0.92; 1.03] 0.97	[0.90; 1.07] 1.03	[-0.09; 0.11] 0.06
¶: Sex ratio is outlying in 1990. §: Sex	[1.21; 1.29]	[1.10; 1.21]	[-0.16; -0.03]†	[4.5; 5.0]	[3.9; 4.3]	[0.94; 1.00]	[0.98; 1.08]	[0.00; 0.11]†

Table 12 – continued from previous page Sex ratio IMR Sex-specific IMR in 2021 (per 1,000) Estimated/Expected female IMR										
	1990	2021	Change	Male	Female	1990	2021	Change		
Cape Verde	1.19	1.21	1990-2021 0.02	12.8	10.6	1.03	1.02	1990–2021 -0.01		
Central African Republic	[1.13; 1.25] 1.19	[1.11; 1.32] 1.22	[-0.09; 0.14] 0.03	[9.7; 16.6] 82.6	[8.0; 13.7] 67.9	[0.98; 1.08] 0.97	[0.94; 1.11] 0.97	[-0.10; 0.09] 0.00		
•	[1.12; 1.26] 1.16	[1.12; 1.33] 1.22	[-0.09; 0.15] 0.06	[67.9; 99.4] 72.3	[55.7; 82.1] 59.4	[0.91; 1.03] 1.00	[0.89; 1.06] 0.98	[-0.09; 0.11] -0.02		
Chad	[1.10; 1.22] 1.21	[1.11; 1.33] 1.18	[-0.06; 0.18] -0.03	[55.4; 94.4] 6.1	[45.4; 77.6] 5.1	[0.94; 1.06] 1.03	[0.90; 1.08] 1.01	[-0.12; 0.09] -0.01		
Chile	[1.18; 1.24] 1.11	[1.11; 1.27]	[-0.11; 0.06] 0.01	[5.1; 7.2] 5.3	[4.3; 6.1] 4.8	[1.00; 1.05]* 1.10	[0.95; 1.08]	[-0.08; 0.06] -0.04		
China¶	[1.02; 1.20]	[1.02; 1.23]	[-0.11; 0.13]	[4.8; 6.0]	[4.2; 5.3]	[1.02; 1.20]*	[0.97; 1.17]	[-0.16; 0.08]		
Colombia	1.27 [1.20; 1.35]	1.25 [1.13; 1.37]	-0.03 [-0.16; 0.11]	12.2 [8.0; 18.5]	9.8 [6.4; 14.9]	0.97 [0.92; 1.03]	0.99 [0.90; 1.09]	0.02 [-0.08; 0.12]		
Comoros	1.14 [1.04; 1.24]	1.13 [1.02; 1.26]	0.00 [-0.13; 0.12]	41.7 [32.1; 53.9]	36.7 [28.2; 47.9]	1.04 [0.95; 1.13]	1.08 [0.98; 1.21]	0.05 [-0.07; 0.17]		
Congo	1.21 [1.12; 1.31]	1.24 [1.12; 1.36]	0.02 [-0.11; 0.16]	35.3 [21.3; 57.3]	28.6 [17.3; 46.4]	0.99 [0.92; 1.08]	1.00 [0.90; 1.10]	0.01 [-0.11; 0.12]		
Democratic Republic of the Congo	1.12 [1.05; 1.20]	1.21 [1.10; 1.33]	0.09 [-0.04; 0.22]	68.2 [43.4; 101.8]	56.2 [36.0; 83.8]	1.03 [0.96; 1.10]	0.99 [0.89; 1.09]	-0.04 [-0.15; 0.08]		
Cook Islands	1.36 [1.23; 1.50]	1.27 [1.13; 1.42]	-0.09 [-0.24; 0.07]	6.8 [3.7; 12.8]	5.4 [3.0; 10.1]	0.92 [0.83; 1.02]	0.95 [0.85; 1.06]	0.03 [-0.08; 0.14]		
Costa Rica	1.28	1.12	-0.16 [-0.24; -0.08]†	6.6 [6.1; 7.1]	5.9	0.97	1.07	0.10		
Cote d'Ivoire	1.20	1.29	0.08	62.6	48.7	0.97	0.94	-0.03		
Croatia	[1.14; 1.27]	[1.18; 1.40] 1.20	[-0.04; 0.21] -0.11	[48.7; 80.6] 4.3	[37.8; 63.3]	[0.91; 1.02] 0.95	[0.86; 1.03]	[-0.12; 0.07] 0.04		
Cuba	[1.25; 1.36] 1.34	[1.11; 1.29] 1.24	[-0.21; 0.00]† -0.10	[3.9; 4.7] 4.4	[3.2; 3.9] 3.6	[0.91; 0.99]* 0.92	[0.92; 1.06] 0.96	[-0.04; 0.12] 0.03		
	[1.30; 1.38] 1.22	[1.17; 1.32]	[-0.18; -0.01]† -0.05	[3.6; 5.6] 2.5	[2.9; 4.5]	[0.89; 0.95]* 1.01	[0.90; 1.02] 1.01	[-0.03; 0.10] 0.00		
Cyprus	[1.14; 1.30]	[1.07; 1.29] 1.29	[-0.17; 0.08] -0.02	[1.8; 3.5] 2.5	[1.6; 3.0]	[0.94; 1.08] 0.94	[0.92; 1.11] 0.92	[-0.10; 0.11] -0.03		
Czech Republic	[1.24; 1.39] 1.29	[1.20; 1.38] 1.19	[-0.13; 0.10] -0.10	[2.3; 2.7] 3.4	[1.8; 2.1] 2.8	[0.89; 1.00]* 0.94	[0.86; 0.98]*	[-0.10; 0.05] 0.06		
Denmark	[1.24; 1.36]	[1.11; 1.27]	[-0.20; -0.01]†	[3.1; 3.7]	[2.6; 3.1]	[0.90; 0.98]*	[0.93; 1.07]	[-0.02; 0.14]		
Djibouti	1.17 [1.06; 1.28]	1.20 [1.08; 1.33]	0.03 [-0.10; 0.17]	49.8 [28.6; 82.9]	41.5 [23.8; 69.6]	1.01 [0.91; 1.10]	1.01 [0.91; 1.13]	0.01 [-0.11; 0.13]		
Dominica	1.15 [1.04; 1.25]	1.16 [1.04; 1.29]	0.01 [-0.11; 0.15]	34.3 [28.9; 40.6]	29.6 [24.9; 35.3]	1.08 [0.99; 1.19]	1.06 [0.96; 1.19]	-0.02 [-0.14; 0.11]		
Dominican Republic	1.19 [1.12; 1.25]	1.20 [1.09; 1.31]	0.01 [-0.11; 0.14]	29.6 [22.3; 38.7]	24.8 [18.7; 32.4]	1.03 [0.97; 1.09]	1.04 [0.95; 1.14]	0.01 [-0.10; 0.12]		
Ecuador	1.29 [1.19; 1.41]	1.26 [1.15; 1.39]	-0.03 [-0.17; 0.11]	11.9 [10.4; 13.6]	9.4 [8.2; 10.8]	0.95 [0.87; 1.03]	0.98 [0.89; 1.07]	0.03 [-0.07; 0.14]		
Egypt¶	1.06 [1.01; 1.10]	1.16 [1.05; 1.27]	0.10 [-0.02; 0.22]	17.4 [11.3; 26.2]	15.0 [9.8; 22.7]	1.14 [1.09; 1.19]*	1.08 [0.98; 1.18]	-0.06 [-0.17; 0.05]		
El Salvador	1.20 [1.10; 1.31]	1.22 [1.09; 1.35]	0.02 [-0.11; 0.16]	11.7 [6.9; 19.8]	9.6 [5.7; 16.3]	1.02 [0.93; 1.11]	1.01 [0.91; 1.13]	-0.01 [-0.12; 0.11]		
Equatorial Guinea	1.16 [1.04; 1.30]	1.22 [1.09; 1.36]	0.06	62.6 [37.0; 104.7]	51.4 [30.3; 86.0]	0.99	0.99	0.00		
Eritrea¶	1.32	1.32	0.00	32.8	24.8	0.88	0.93	0.05		
Estonia	[1.24; 1.40]	[1.20; 1.46]	[-0.14; 0.15]	[19.0; 53.3]	[14.2; 40.4]	[0.83; 0.94]*	[0.85; 1.03]	[-0.05; 0.16]		
Ethiopia¶	[1.24; 1.38]	[1.11; 1.34] 1.34	[-0.21; 0.04] 0.12	[1.4; 2.1] 39.1	[1.1; 1.7] 29.1	[0.90; 1.00] 0.94	[0.88; 1.07] 0.92	[-0.08; 0.12] -0.02		
	[1.16; 1.29] 1.32	[1.22; 1.47] 1.32	[-0.01; 0.26] 0.00	[31.7; 48.2] 23.8	[23.5; 36.1] 18.0	[0.89; 0.99]* 0.93	[0.84; 1.01] 0.94	[-0.11; 0.08] 0.01		
Federated States of Micronesia	[1.19; 1.47] 1.16	[1.19; 1.48] 1.18	[-0.15; 0.16] 0.03	[10.9; 48.4] 25.2	[8.2; 36.3] 21.3	[0.83; 1.03] 1.08	[0.83; 1.04] 1.05	[-0.10; 0.12] -0.03		
Fiji	[1.07; 1.25] 1.22	[1.10; 1.28] 1.18	[-0.09; 0.15] -0.04	[22.6; 27.9] 1.9	[19.0; 23.7] 1.6	[1.00; 1.16] 0.98	[0.98; 1.13] 1.00	[-0.14; 0.09] 0.02		
Finland	[1.17; 1.28]	[1.10; 1.28] 1.23	[-0.14; 0.06] -0.13	[1.7; 2.1]	[1.5; 1.8] 3.1	[0.93; 1.02]	[0.93; 1.08]	[-0.06; 0.11] 0.07		
France	[1.32; 1.39]	[1.16; 1.29] 1.27	[-0.20; -0.06]† 0.00	[3.5; 4.1] 32.8	[2.8; 3.4] 25.7	[0.88; 0.92]* 0.94	[0.92; 1.02]	[0.01; 0.12]† 0.03		
Gabon	[1.16; 1.39]	[1.15; 1.42]	[-0.14; 0.15]	[20.4; 50.4]	[16.0; 39.5]	[0.86; 1.03]	[0.87; 1.08]	[-0.08; 0.14]		
The Gambia	1.23 [1.13; 1.35]	1.29 [1.17; 1.41]	0.05 [-0.09; 0.19]	38.1 [31.6; 45.5]	29.6 [24.5; 35.6]	0.96 [0.87; 1.05]	0.96 [0.87; 1.06]	0.00 [-0.11; 0.11]		
Georgia	1.29 [1.17; 1.42]	1.26 [1.13; 1.40]	-0.03 [-0.17; 0.12]	9.4 [8.3; 10.6]	7.4 [6.5; 8.5]	0.95 [0.86; 1.04]	0.97 [0.87; 1.08]	0.02 [-0.09; 0.13]		
Germany	1.31 [1.28; 1.34]	1.17 [1.13; 1.21]	-0.14 [-0.19; -0.09]†	3.3 [3.1; 3.4]	2.8 [2.7; 2.9]	0.92 [0.90; 0.95]*	1.01 [0.98; 1.05]	0.09 [0.05; 0.13]†		
Ghana	1.19 [1.13; 1.26]	1.25 [1.16; 1.36]	0.06 [-0.05; 0.19]	36.1 [28.6; 45.7]	28.8 [22.7; 36.4]	0.99 [0.94; 1.05]	0.98 [0.90; 1.07]	-0.01 [-0.10; 0.09]		
Greece	1.17 [1.13; 1.22]	1.18 [1.10; 1.26]	0.00 [-0.08; 0.09]	3.5 [3.1; 4.0]	3.0 [2.6; 3.4]	1.04 [1.01; 1.08]*	1.00 [0.94; 1.07]	-0.04 [-0.11; 0.04]		
Grenada¶	1.13 [1.04; 1.23]	1.16 [1.05; 1.28]	0.03	15.5 [12.7; 19.0]	13.3 [10.8; 16.3]	1.10 [1.01; 1.20]*	1.06 [0.97; 1.18]	-0.04 [-0.15; 0.08]		
Guatemala	1.24	1.25	0.01	21.6	17.3	0.97	1.00	0.03		
Guinea	[1.18; 1.31]	[1.15; 1.37] 1.25	0.11	[15.7; 29.2] 70.8	[12.5; 23.4] 56.5	[0.92; 1.02]	[0.91; 1.09] 0.96	[-0.07; 0.13]		
Guinea-Bissau	[1.09; 1.20] 1.16	[1.15; 1.37] 1.25	[-0.01; 0.23] 0.09	[59.1; 86.0] 55.3	[47.0; 68.9] 44.2	[0.95; 1.05] 0.98	[0.87; 1.04] 0.97	[-0.14; 0.06] -0.01		
Gunca-Bissau Guyana¶	[1.08; 1.25] 1.31	[1.13; 1.37] 1.29	[-0.05; 0.22] -0.02	[35.3; 85.5] 26.0	[28.3; 68.7] 20.2	[0.91; 1.06] 0.93	[0.88; 1.07] 0.96	[-0.12; 0.10] 0.04		
•	[1.22; 1.41] 1.19	[1.16; 1.43] 1.23	[-0.16; 0.12] 0.05	[15.4; 42.9] 50.1	[12.0; 33.4] 40.6	[0.86; 1.00]* 0.98	[0.87; 1.06] 0.99	[-0.07; 0.15] 0.01		
Haiti	[1.12; 1.26] 1.25	[1.12; 1.35] 1.26	[-0.08; 0.18] 0.00	[36.5; 68.8] 15.8	[29.5; 55.8] 12.6	[0.92; 1.04] 0.97	[0.90; 1.09] 0.99	[-0.10; 0.12] 0.01		
Honduras	[1.17; 1.34]	[1.15; 1.38]	[-0.12; 0.14] -0.04	[12.0; 21.2] 3.6	[9.5; 16.8]	[0.91; 1.05]	[0.90; 1.08] 0.98	[-0.09; 0.12] -0.01		
Hungary	[1.21; 1.29] 1.19	[1.13; 1.28]	[-0.12; 0.05] 0.00	[3.2; 4.1]	[2.6; 3.4]	[0.97; 1.03]	[0.92; 1.05]	[-0.08; 0.06]		
Iceland	[1.08; 1.30]	1.19 [1.07; 1.32]	[-0.13; 0.14]	2.3 [1.7; 2.9]	1.9 [1.5; 2.5]	1.00 [0.92; 1.10]	1.00 [0.90; 1.11]	0.00		
¶: Sex ratio is outlying in 1990. §: Sex	rano is outlying ii	1 2021. *: The ra	uo or estimated to e	xpected female mo	энанту is significantly dif	terent from one. †	: unange is signifi	cantiy different from zero.		

¶: Sex ratio is outlying in 1990. §: Sex ratio is outlying in 2021. *: The ratio of estimated to expected female mortality is significantly different from one. †: Change is significantly different from zero.

Continued on next page

Table 12 – continued from previous page Sex ratio IMR Sex-specific IMR in 2021 (per 1,000) Estimated/Expected female IMR										
	1990	2021	Change	Male	Female	1990	2021	Change		
India¶§	1.06	1.01	1990–2021 -0.04	25.7	25.3	1.12	1.23	1990–2021 0.11		
Indonesia	[1.02; 1.09] 1.23	[0.95; 1.09] 1.24	[-0.12; 0.04] 0.01	[23.2; 28.3] 20.9	[22.9; 27.9] 16.8	[1.08; 1.15]* 0.97	[1.14; 1.31]* 1.00	[0.02; 0.20]† 0.03		
	[1.18; 1.29] 1.06	[1.14; 1.35] 1.12	[-0.11; 0.13] 0.06	[16.5; 26.4] 11.5	[13.3; 21.3] 10.3	[0.93; 1.02] 1.16	[0.92; 1.09]	[-0.07; 0.13] -0.06		
Iran (Islamic Republic of)¶	[1.00; 1.12] 1.18	[1.01; 1.23] 1.22	[-0.05; 0.18] 0.04	[6.4; 20.0] 22.7	[5.7; 17.9] 18.7	[1.09; 1.23]* 1.04	[1.00; 1.22] 1.02	[-0.18; 0.06] -0.02		
Iraq	[1.11; 1.25]	[1.11; 1.34] 1.18	[-0.08; 0.17] -0.06	[16.8; 30.0] 3.0	[13.8; 24.6] 2.5	[0.97; 1.11]	[0.93; 1.12]	[-0.13; 0.09] 0.02		
Ireland	[1.19; 1.31]	[1.10; 1.28]	[-0.17; 0.04]	[2.5; 3.4]	[2.2; 2.9]	[0.93; 1.02]	[0.93; 1.08]	[-0.06; 0.11]		
Israel	1.14 [1.10; 1.18]	1.19 [1.12; 1.26]	0.05 [-0.03; 0.13]	2.9 [2.8; 3.1]	2.5 [2.3; 2.6]	1.08 [1.04; 1.12]*	1.00 [0.94; 1.05]	-0.08 [-0.15; -0.01]†		
Italy	1.23 [1.20; 1.26]	1.17 [1.11; 1.23]	-0.06 [-0.12; 0.01]	2.4 [2.2; 2.6]	2.0 [1.9; 2.2]	0.99 [0.97; 1.02]	1.01 [0.96; 1.06]	0.02 [-0.04; 0.08]		
Jamaica	1.34 [1.22; 1.48]	1.30 [1.17; 1.45]	-0.04 [-0.19; 0.11]	12.1 [6.1; 23.1]	9.3 [4.7; 17.9]	0.93 [0.84; 1.02]	0.95 [0.85; 1.05]	0.02 [-0.09; 0.13]		
Japan	1.17 [1.14; 1.20]	1.10 [1.06; 1.15]	-0.06 [-0.12; -0.01]†	1.8 [1.8; 1.9]	1.6 [1.6; 1.7]	1.02 [0.99; 1.04]	1.07 [1.03; 1.12]*	0.06 [0.01; 0.11]†		
Jordan¶	1.14 [1.07; 1.22]	1.24 [1.12; 1.36]	0.09 [-0.03; 0.22]	13.8 [9.6; 19.9]	11.2 [7.8; 16.1]	1.09 [1.02; 1.16]*	1.00 [0.91; 1.11]	-0.08 [-0.19; 0.03]		
Kazakhstan¶	1.32 [1.23; 1.43]	1.30 [1.18; 1.45]	-0.02 [-0.16; 0.13]	10.3	7.9 [7.4; 8.5]	0.92 [0.85; 1.00]*	0.94 [0.85; 1.04]	0.02 [-0.08; 0.13]		
Kenya	1.17	1.22	0.05	30.7	25.1 [20.7; 30.1]	1.02	1.01	-0.01		
Kiribati	[1.11; 1.23]	[1.13; 1.33]	[-0.06; 0.17]	[25.5; 36.8]	34.1	[0.97; 1.08]	[0.93; 1.10]	[-0.11; 0.09]		
Democratic People's Republic of	[1.10; 1.30] 1.24	[1.11; 1.36]	[-0.10; 0.17] -0.01	[23.7; 72.0] 11.2	[19.3; 58.5] 9.1	[0.91; 1.09] 1.00	[0.89; 1.11] 1.00	[-0.11; 0.12] 0.00		
Korea Republic of Korea	[1.10; 1.39] 1.18	[1.09; 1.38] 1.21	[-0.15; 0.14] 0.03	[8.7; 14.3] 2.7	[7.1; 11.7]	[0.89; 1.13] 1.05	[0.89; 1.12] 0.98	[-0.12; 0.12] -0.07		
•	[1.09; 1.27] 1.15	[1.15; 1.27] 1.18	[-0.08; 0.13] 0.03	[2.6; 2.8] 9.8	[2.1; 2.4] 8.3	[0.98; 1.14] 1.02	[0.93; 1.03] 1.04	[-0.17; 0.02] 0.02		
Kosovo	[1.05; 1.27] 1.16	[1.07; 1.29] 1.21	[-0.11; 0.15] 0.05	[8.5; 11.2] 8.2	[7.2; 9.6] 6.7	[0.92; 1.13] 1.06	[0.95; 1.14] 1.00	[-0.09; 0.14] -0.06		
Kuwait	[1.11; 1.21]	[1.13; 1.29] 1.25	[-0.04; 0.14] 0.03	[7.3; 9.1] 17.3	[6.0; 7.5] 13.8	[1.01; 1.11]* 0.99	[0.94; 1.07]	[-0.13; 0.03] 0.00		
Kyrgyzstan	[1.13; 1.33]	[1.13; 1.39]	[-0.11; 0.17]	[16.3; 18.4]	[12.8; 14.8]	[0.91; 1.08]	[0.90; 1.10]	[-0.11; 0.12]		
Lao People's Democratic Republic	1.19 [1.11; 1.27]	1.27 [1.15; 1.39]	0.08 [-0.05; 0.22]	38.1 [27.1; 52.2]	30.0 [21.4; 41.3]	0.98 [0.91; 1.05]	0.97 [0.88; 1.07]	0.00 [-0.11; 0.10]		
Latvia	1.29 [1.23; 1.35]	1.16 [1.07; 1.26]	-0.13 [-0.24; -0.01]†	3.4 [2.9; 4.0]	2.9 [2.5; 3.4]	0.96 [0.92; 1.01]	1.02 [0.94; 1.11]	0.06 [-0.03; 0.15]		
Lebanon¶	1.07 [0.99; 1.16]	1.11 [0.99; 1.23]	0.04 [-0.08; 0.16]	7.4 [6.0; 9.2]	6.7 [5.4; 8.3]	1.16 [1.07; 1.25]*	1.08 [0.98; 1.22]	-0.07 [-0.19; 0.05]		
Lesotho	1.21 [1.14; 1.29]	1.23 [1.12; 1.35]	0.02 [-0.11; 0.14]	62.6 [44.9; 89.1]	50.9 [36.3; 72.2]	0.98 [0.92; 1.05]	0.98 [0.89; 1.08]	0.00 [-0.11; 0.11]		
Liberia	1.17 [1.11; 1.24]	1.21 [1.11; 1.32]	0.04 [-0.07; 0.17]	62.1 [47.6; 81.8]	51.1 [39.1; 67.7]	0.97 [0.92; 1.03]	0.99 [0.91; 1.09]	0.02 [-0.08; 0.12]		
Libya	1.22 [1.13; 1.31]	1.23 [1.12; 1.37]	0.02	10.2	8.2 [4.6; 14.5]	1.01 [0.94; 1.09]	0.99 [0.89; 1.10]	-0.02 [-0.13; 0.09]		
Lithuania	1.25 [1.20; 1.30]	1.19	-0.06 [-0.16; 0.05]	2.9 [2.5; 3.4]	2.5	0.99	1.00	0.01		
Luxembourg	1.23	1.20	-0.03	2.4	2.0	0.99	0.99	0.00		
Macedonia¶	[1.13; 1.34]	[1.08; 1.33]	[-0.17; 0.10] -0.03	[1.9; 3.2]	[1.5; 2.7]	[0.91; 1.07] 1.09	[0.89; 1.10] 1.08	[-0.10; 0.12] -0.02		
Madagascar	[1.06; 1.20] 1.15	[1.03; 1.19] 1.23	[-0.12; 0.08] 0.08	[3.9; 6.2] 49.9	[3.5; 5.6] 40.5	[1.03; 1.16]* 1.02	[1.00; 1.16]* 0.99	[-0.12; 0.08] -0.03		
Malawi	[1.09; 1.21] 1.11	[1.13; 1.34] 1.28	[-0.03; 0.20] 0.16	[43.1; 58.6] 34.9	[35.0; 47.7]	[0.97; 1.07] 1.02	[0.90; 1.08] 0.97	[-0.12; 0.07] -0.06		
	[1.07; 1.16] 1.24	[1.17; 1.39] 1.20	[0.05; 0.28]†	[23.3; 50.5] 7.0	[18.1; 39.6] 5.9	[0.98; 1.07] 1.00	[0.89; 1.05] 1.01	[-0.15; 0.04] 0.01		
Malaysia	[1.12; 1.38] 1.21	[1.09; 1.31] 1.19	[-0.19; 0.10] -0.02	[6.3; 7.8] 5.5	[5.2; 6.6] 4.7	[0.90; 1.12] 0.99	[0.92; 1.11] 1.01	[-0.11; 0.12] 0.01		
Maldives	[1.11; 1.32] 1.17	[1.08; 1.30] 1.18	[-0.15; 0.11] 0.02	[4.6; 6.6] 66.7	[3.9; 5.6] 56.3	[0.91; 1.09] 0.98	[0.92; 1.10] 1.02	[-0.09; 0.12] 0.03		
Mali	[1.12; 1.21]	[1.09; 1.29] 1.15	[-0.08; 0.12] -0.06	[56.5; 79.0] 5.4	[47.6; 66.9]	[0.95; 1.03] 1.01	[0.93; 1.10]	[-0.06; 0.13] 0.02		
Malta	[1.12; 1.32]	[1.04; 1.27]	[-0.19; 0.08]	[4.5; 6.5]	4.7 [3.9; 5.7]	[0.93; 1.10]	[0.94; 1.14]	[-0.09; 0.13]		
Marshall Islands	1.25 [1.12; 1.39]	1.28 [1.15; 1.43]	0.04 [-0.11; 0.18]	27.7 [16.8; 45.2]	21.6 [13.2; 35.3]	0.98 [0.88; 1.10]	0.97 [0.86; 1.08]	-0.02 [-0.13; 0.10]		
Mauritania	1.23 [1.15; 1.32]	1.24 [1.14; 1.35]	0.01 [-0.11; 0.14]	35.6 [28.8; 43.9]	28.7 [23.0; 35.5]	0.97 [0.90; 1.04]	0.99 [0.91; 1.08]	0.03 [-0.07; 0.13]		
Mauritius¶	1.33 [1.27; 1.39]	1.24 [1.15; 1.33]	-0.09 [-0.20; 0.02]	16.9 [14.1; 20.2]	13.6 [11.4; 16.3]	0.94 [0.90; 0.98]*	1.00 [0.94; 1.08]	0.06 [-0.02; 0.15]		
Mexico	1.22 [1.13; 1.31]	1.22 [1.15; 1.29]	0.00 [-0.11; 0.12]	12.5 [10.6; 14.6]	10.2 [8.7; 12.0]	1.01 [0.94; 1.10]	1.01 [0.96; 1.07]	0.00 [-0.10; 0.10]		
Republic of Moldova	1.28 [1.16; 1.42]	1.25 [1.12; 1.40]	-0.03 [-0.17; 0.12]	13.5 [9.5; 19.4]	10.8 [7.6; 15.4]	0.97	0.99	0.02 [-0.09; 0.13]		
Monaco	1.24 [1.16; 1.33]	1.23 [1.12; 1.34]	-0.01 [-0.14; 0.12]	1.1	0.9	0.95	0.96	0.01		
Mongolia¶	1.40	1.26	-0.14	14.1	11.2	0.84	0.98	0.14		
Montenegro¶	[1.30; 1.49]	[1.19; 1.33]	[-0.25; -0.02]† 0.01	[13.0; 15.4]	[10.2; 12.2]	[0.79; 0.91]*	[0.93; 1.04]	[0.06; 0.22]†		
Montserrat¶	[1.05; 1.20]	[1.03; 1.24] 0.96	[-0.11; 0.13]	[1.6; 2.5]	[1.5; 2.2]	[1.04; 1.18]* 1.38	[0.96; 1.15]	[-0.17; 0.05]		
Morocco	[0.83; 0.97] 1.18	[0.83; 1.09]	[-0.05; 0.18] 0.06	[1.6; 12.0] 17.0	[1.7; 12.7] 13.8	[1.28; 1.50]* 1.02	[1.09; 1.45]* 1.01	[-0.27; 0.04] -0.01		
	[1.11; 1.25] 1.10	[1.12; 1.36] 1.17	[-0.07; 0.19] 0.07	[11.7; 24.1] 54.8	[9.5; 19.4] 47.0	[0.96; 1.08] 1.04	[0.91; 1.11] 1.04	[-0.11; 0.10] 0.00		
Mozambique	[1.04; 1.15] 1.23	[1.07; 1.28] 1.24	[-0.04; 0.19] 0.02	[37.4; 81.3] 37.3	[31.9; 69.6] 30.0	[0.99; 1.09] 0.96	[0.95; 1.14] 0.99	[-0.11; 0.11] 0.03		
Myanmar	[1.13; 1.33] 1.19	[1.13; 1.37] 1.23	[-0.12; 0.16] 0.04	[24.8; 54.1] 32.3	[19.9; 43.4] 26.3	[0.89; 1.04] 1.02	[0.90; 1.09]	[-0.08; 0.14] -0.02		
Namibia ¶: Sex ratio is outlying in 1990. §: Sex	[1.11; 1.28]	[1.11; 1.36]	[-0.09; 0.18]	[18.0; 55.6]	[14.7; 45.2]	[0.95; 1.10]	[0.91; 1.11]	[-0.13; 0.10]		
R. Sex rano is outlying ill 1770. S. Sex	rano is outlying II	v_i inclà	or commated to t	apoolog remait lik	ormany to organicality all		. Change to Sigitili	carrey directorit moni ZCIO.		

¶: Sex ratio is outlying in 1990. §: Sex ratio is outlying in 2021. *: The ratio of estimated to expected female mortality is significantly different from one. †: Change is significantly different from zero.

Continued on next page

	Table 12 – continued from previous page Sex ratio IMR Sex-specific IMR in 2021 (per 1,000) Estimated/Expected femal								
	1990	2021	Change 1990–2021	Male	Female	1990	2021	Change 1990–2021	
Nauru	1.21 [1.08; 1.37]	1.24 [1.11; 1.40]	0.03 [-0.11; 0.18]	25.6 [13.3; 46.2]	20.5 [10.7; 37.2]	1.00 [0.89; 1.13]	1.00 [0.89; 1.12]	0.00 [-0.13; 0.12]	
Nepal	1.13	1.21	0.08	24.9	20.6	1.04	1.03	0.00	
Netherlands	[1.07; 1.19]	[1.10; 1.31]	[-0.04; 0.20] -0.11	[19.4; 32.1] 3.8	[16.1; 26.5]	[0.98; 1.09] 0.92	[0.95; 1.13]	[-0.10; 0.11]	
New Zealand	[1.27; 1.36]	[1.14; 1.27] 1.19	[-0.19; -0.03]† -0.09	[3.6; 4.0]	[3.0; 3.3]	[0.89; 0.96]* 0.96	[0.94; 1.04] 1.00	[0.00; 0.12]†	
Nicaragua	[1.22; 1.33]	[1.10; 1.28] 1.26	[-0.19; 0.02] 0.02	[3.9; 4.7]	[3.2; 4.0]	[0.92; 1.01] 0.98	[0.92; 1.08] 0.98	[-0.05; 0.12] 0.00	
Niger	[1.16; 1.30] 1.11	[1.14; 1.39] 1.17	[-0.10; 0.17] 0.06	[10.9; 14.6] 64.0	[8.6; 11.7] 54.8	[0.93; 1.05] 1.03	[0.89; 1.08] 1.03	[-0.10; 0.10] 0.00	
	[1.06; 1.16] 1.18	[1.07; 1.26] 1.20	[-0.05; 0.17] 0.01	[55.0; 75.2] 76.7	[47.0; 64.6] 64.1	[0.99; 1.08] 0.97	[0.95; 1.12] 0.99	[-0.10; 0.10] 0.03	
Nigeria	[1.13; 1.24] 1.24	[1.11; 1.29] 1.25	[-0.09; 0.12] 0.00	[58.7; 102.0] 22.6	[49.0; 85.6] 18.2	[0.92; 1.02] 1.00	[0.92; 1.08] 0.99	[-0.06; 0.12] -0.01	
Niue	[1.11; 1.40]	[1.11; 1.40] 1.22	[-0.15; 0.15] -0.06	[9.8; 49.5] 1.9	[7.8; 39.9] 1.6	[0.89; 1.12] 0.95	[0.88; 1.12] 0.98	[-0.13; 0.11] 0.02	
Norway	[1.21; 1.33]	[1.13; 1.31]	[-0.16; 0.05]	[1.7; 2.2]	[1.4; 1.8]	[0.91; 1.00]*	[0.91; 1.05]	[-0.06; 0.11]	
Oman	1.22 [1.11; 1.34]	1.22 [1.09; 1.36]	0.00 [-0.14; 0.14]	9.5 [8.5; 10.7]	7.8 [6.9; 8.8]	1.01 [0.92; 1.12]	1.00 [0.90; 1.12]	-0.01 [-0.12; 0.10]	
Pakistan	1.13 [1.08; 1.18]	1.20 [1.12; 1.29]	0.08 [-0.03; 0.18]	57.5 [46.8; 70.3]	47.8 [38.9; 58.3]	1.03 [0.98; 1.08]	1.01 [0.93; 1.09]	-0.02 [-0.11; 0.07]	
Palau	1.25 [1.10; 1.40]	1.25 [1.11; 1.40]	0.00 [-0.15; 0.15]	16.7 [8.0; 35.5]	13.4 [6.4; 28.7]	0.99 [0.88; 1.12]	0.99 [0.88; 1.12]	0.00 [-0.12; 0.12]	
Panama	1.24 [1.11; 1.37]	1.23 [1.10; 1.38]	-0.01 [-0.15; 0.15]	13.1 [6.6; 26.0]	10.7 [5.3; 21.1]	1.00 [0.90; 1.12]	1.00 [0.89; 1.12]	0.00 [-0.12; 0.12]	
Papua New Guinea	1.13 [1.04; 1.24]	1.19 [1.07; 1.32]	0.06 [-0.08; 0.19]	37.3 [26.0; 52.4]	31.4 [21.9; 44.4]	1.06 [0.97; 1.16]	1.04 [0.93; 1.15]	-0.02 [-0.14; 0.10]	
Paraguay	1.20 [1.09; 1.32]	1.22	0.02 [-0.11; 0.17]	17.1 [8.3; 34.5]	14.0 [6.7; 28.1]	1.03 [0.93; 1.13]	1.01 [0.90; 1.13]	-0.02 [-0.13; 0.10]	
Peru	1.17	1.21	0.04	12.0	9.9	1.03	1.02	-0.01	
Philippines¶	[1.13; 1.22]	[1.11; 1.33]	[-0.07; 0.16] -0.06	[9.5; 15.4] 22.6	[7.8; 12.7] 18.2	[0.99; 1.07] 0.94	[0.93; 1.11] 1.00	[-0.10; 0.09] 0.06	
Poland	[1.23; 1.38]	[1.13; 1.36] 1.19	[-0.18; 0.07] -0.09	[15.9; 30.9] 4.0	[12.7; 24.9] 3.4	[0.89; 1.00]* 0.97	[0.91; 1.10] 1.00	[-0.04; 0.17] 0.03	
	[1.26; 1.31] 1.25	[1.14; 1.24] 1.20	[-0.15; -0.03]† -0.05	[3.9; 4.2] 2.8	[3.3; 3.5]	[0.95; 0.99]* 0.99	[0.95; 1.04] 0.99	[-0.02; 0.08] 0.00	
Portugal	[1.21; 1.29]	[1.12; 1.28] 1.13	[-0.14; 0.04] -0.05	[2.5; 3.0] 4.8	[2.1; 2.5] 4.2	[0.96; 1.02] 1.06	[0.93; 1.06] 1.05	[-0.07; 0.07] -0.01	
Qatar	[1.10; 1.28] 1.26	[1.05; 1.22] 1.16	[-0.17; 0.07] -0.10	[4.3; 5.4] 5.6	[3.7; 4.8] 4.9	[0.98; 1.14]	[0.97; 1.13] 1.02	[-0.11; 0.10] 0.04	
Romania	[1.23; 1.29]	[1.11; 1.22]	[-0.16; -0.04]† -0.13	[5.4; 5.9] 4.5	[4.6; 5.1]	[0.97; 1.01]	[0.98; 1.07]	[-0.01; 0.09]	
Russian Federation¶	1.36 [1.34; 1.38]	1.23 [1.19; 1.28]	[-0.18; -0.08]†	[4.2; 4.7]	3.6 [3.4; 3.8]	0.92 [0.90; 0.93]*	0.96 [0.93; 1.00]*	0.05 [0.01; 0.08]†	
Rwanda	1.15 [1.10; 1.21]	1.22 [1.11; 1.33]	0.06 [-0.05; 0.18]	32.5 [20.7; 49.0]	26.7 [17.0; 40.1]	1.02 [0.96; 1.07]	1.02 [0.93; 1.11]	0.00 [-0.10; 0.11]	
Saint Kitts and Nevis	1.23 [1.12; 1.36]	1.22 [1.10; 1.36]	-0.01 [-0.15; 0.13]	13.5 [9.0; 20.7]	11.0 [7.2; 16.8]	1.01 [0.92; 1.11]	1.01 [0.91; 1.12]	0.00 [-0.11; 0.12]	
Saint Lucia	1.22 [1.14; 1.31]	1.21 [1.10; 1.33]	-0.01 [-0.14; 0.12]	24.5 [20.8; 28.8]	20.3 [17.2; 23.9]	1.02 [0.95; 1.10]	1.03 [0.93; 1.13]	0.01 [-0.10; 0.12]	
Samoa	1.21 [1.11; 1.33]	1.23 [1.12; 1.35]	0.02 [-0.12; 0.16]	15.8 [11.0; 22.4]	12.8 [8.9; 18.2]	1.02 [0.93; 1.12]	1.01 [0.92; 1.11]	-0.02 [-0.13; 0.10]	
San Marino	1.23 [1.10; 1.39]	1.18 [1.05; 1.33]	-0.06 [-0.20; 0.09]	1.6 [0.8; 3.4]	1.4 [0.7; 2.9]	1.00 [0.89; 1.13]	1.00 [0.89; 1.13]	0.00 [-0.12; 0.12]	
Sao Tome and Principe	1.22	1.26 [1.14; 1.40]	0.04 [-0.10; 0.18]	13.5 [7.6; 23.8]	10.7	0.97 [0.89; 1.07]	0.98	0.01 [-0.11; 0.12]	
Saudi Arabia	1.13	1.05	-0.08	5.9	5.6	1.09	1.13	0.04	
Senegal	[1.02; 1.24]	[0.95; 1.16]	[-0.20; 0.05]	[4.4; 8.1] 32.6	[4.2; 7.7] 25.5	[1.00; 1.21]	[1.03; 1.26]* 0.97	[-0.09; 0.17] -0.04	
Serbia¶	[1.13; 1.23] 1.13	[1.18; 1.39] 1.23	[-0.01; 0.22] 0.09	[26.3; 39.9] 5.2	[20.5; 31.3] 4.3	[0.97; 1.06] 1.10	[0.89; 1.05] 0.97	[-0.13; 0.05] -0.13	
Seychelles	[1.10; 1.16] 1.17	[1.15; 1.30] 1.17	[0.01; 0.18]† 0.01	[4.8; 5.6] 12.9	[3.9; 4.6] 11.0	[1.07; 1.13]* 1.06	[0.91; 1.03] 1.05	[-0.20; -0.06]† -0.01	
•	[1.06; 1.27] 1.15	[1.05; 1.29] 1.18	[-0.13; 0.14] 0.03	[9.9; 16.9] 84.4	[8.4; 14.5] 71.7	[0.98; 1.17] 0.99	[0.96; 1.17] 1.00	[-0.13; 0.11] 0.01	
Sierra Leone	[1.08; 1.22] 1.18	[1.09; 1.28] 1.18	[-0.08; 0.15] 0.00	[71.6; 98.9] 1.9	[60.4; 83.9] 1.6	[0.93; 1.05] 1.02	[0.93; 1.09] 1.00	[-0.08; 0.11] -0.01	
Singapore	[1.12; 1.24] 1.31	[1.09; 1.28] 1.21	[-0.11; 0.11] -0.10	[1.5; 2.3] 5.1	[1.3; 1.9] 4.2	[0.97; 1.07] 0.95	[0.92; 1.09] 0.99	[-0.11; 0.08] 0.04	
Slovakia	[1.26; 1.35]	[1.13; 1.28]	[-0.19; -0.01]† -0.08	[4.8; 5.4]	[3.9; 4.5]	[0.92; 0.99]* 0.97	[0.93; 1.05]	[-0.03; 0.11]	
Slovenia	1.26 [1.19; 1.33]	1.18 [1.08; 1.29]	[-0.20; 0.04]	1.9 [1.6; 2.2]	1.6 [1.4; 1.9]	[0.92; 1.03]	[0.92; 1.10]	0.03 [-0.07; 0.14]	
Solomon Islands	1.18 [1.06; 1.32]	1.20 [1.08; 1.34]	0.02 [-0.12; 0.15]	17.5 [10.7; 27.0]	14.6 [8.9; 22.5]	1.04 [0.94; 1.16]	1.03 [0.93; 1.15]	-0.01 [-0.13; 0.11]	
Somalia	1.14 [1.03; 1.25]	1.17 [1.06; 1.30]	0.04 [-0.09; 0.17]	76.4 [39.4; 157.0]	65.1 [33.5; 135.8]	1.02 [0.93; 1.12]	1.01 [0.90; 1.13]	-0.01 [-0.13; 0.12]	
South Africa§	1.20 [1.12; 1.30]	1.17 [1.10; 1.24]	-0.04 [-0.15; 0.07]	28.4 [26.1; 31.0]	24.4 [22.3; 26.6]	1.01 [0.94; 1.09]	1.06 [1.00; 1.13]*	0.05 [-0.04; 0.15]	
South Sudan	1.12 [1.00; 1.25]	1.18 [1.05; 1.32]	0.06 [-0.07; 0.20]	68.9 [28.8; 145.8]	58.5 [24.7; 124.0]	1.02 [0.92; 1.14]	1.01 [0.90; 1.14]	-0.01 [-0.13; 0.12]	
Spain	1.23 [1.19; 1.26]	1.20 [1.14; 1.27]	-0.03 [-0.10; 0.05]	2.8	2.3 [2.2; 2.5]	0.99	0.99 [0.93; 1.04]	0.00 [-0.06; 0.05]	
Sri Lanka	1.23 [1.20; 1.26]	1.23 [1.14; 1.31]	-0.01 [-0.09; 0.08]	6.3 [4.7; 8.5]	5.2 [3.8; 6.9]	1.01 [0.99; 1.04]	0.98	-0.03 [-0.10; 0.04]	
Saint Vincent and the Grenadines	1.16	1.20	0.04	13.7	11.4	1.07	1.03	-0.04	
State of Palestine¶	[1.08; 1.25]	[1.08; 1.33]	[-0.09; 0.17]	[10.0; 18.6]	[8.3; 15.7] 11.7	[1.00; 1.16]	[0.93; 1.14] 1.05	[-0.15; 0.08] -0.06	
Sudan	[1.03; 1.19]	[1.08; 1.30] 1.26	[-0.05; 0.20] 0.04	[10.0; 19.0] 43.3	[8.4; 16.2] 34.3	[1.03; 1.19]* 0.96	[0.96; 1.15] 0.97	[-0.18; 0.05] 0.01	
Suriname	[1.15; 1.30] 1.25	[1.16; 1.38] 1.28	[-0.09; 0.17] 0.03	[31.6; 59.7] 17.2	[25.0; 47.5] 13.4	[0.91; 1.03] 0.98	[0.88; 1.06] 0.97	[-0.10; 0.11] -0.01	
¶: Sex ratio is outlying in 1990. §: Sex	[1.13; 1.38]	[1.15; 1.43]	[-0.11; 0.18]	[10.8; 27.4]	[8.4; 21.7]	[0.89; 1.08]	[0.87; 1.08]	[-0.12; 0.10]	

¶: Sex ratio is outlying in 1990. §: Sex ratio is outlying in 2021. *: The ratio of estimated to expected female mortality is significantly different from one. †: Change is significantly different from zero.

Continued on next page

Table 12 – continued from previous page

	Table 12 – continued from previous page Sex ratio IMR Sex-specific IMR in 2021 (per 1,000)							stimated/Expected female IMR		
	1990	2021	Change	Male Male	Female	1990	2021	Change		
	2550		1990-2021	172412	T ciniaic	2330		1990-2021		
Eswatini	1.26	1.24	-0.02	45.8	36.9	0.96	0.99	0.03		
25//44111	[1.16; 1.36]	[1.12; 1.37]	[-0.16; 0.12]	[29.2; 69.4]	[23.7; 57.2]	[0.89; 1.04]	[0.89; 1.09]	[-0.08; 0.14]		
Sweden	1.25 [1.20; 1.30]	1.20 [1.13; 1.28]	-0.05 [-0.14; 0.04]	2.2 [2.0; 2.4]	1.8 [1.7; 2.0]	0.96 [0.92; 1.00]	0.99 [0.93; 1.05]	0.03 [-0.05; 0.10]		
0.5.1.1	1.27	1.17	-0.10	3.6	3.1	0.96	1.01	0.06		
Switzerland	[1.21; 1.32]	[1.10; 1.24]	[-0.19; -0.01]†	[3.4; 3.9]	[2.9; 3.3]	[0.92; 1.00]*	[0.95; 1.08]	[-0.02; 0.13]		
Syria	1.19	1.23	0.04	20.3	16.4	1.04	1.00	-0.04		
	[1.12; 1.27] 1.21	[1.11; 1.36] 1.29	[-0.09; 0.18] 0.08	[10.5; 27.8] 31.1	[8.6; 22.5] 24.0	[0.97; 1.11] 0.97	[0.91; 1.11] 0.95	[-0.14; 0.08] -0.02		
Tajikistan	[1.13; 1.31]	[1.18; 1.43]	[-0.05; 0.22]	[18.6; 51.9]	[14.2; 40.1]	[0.90; 1.05]	[0.87; 1.05]	[-0.12; 0.09]		
Tanzania¶	1.09	1.19	0.10	37.1	31.0	1.07	1.03	-0.04		
Tunzumuj	[1.04; 1.15]	[1.09; 1.31]	[-0.01; 0.23]	[26.7; 51.4]	[22.3; 43.1]	[1.01; 1.12]*	[0.94; 1.13]	[-0.14; 0.08]		
Thailand	1.26 [1.16; 1.36]	1.23 [1.10; 1.36]	-0.03 [-0.16; 0.11]	7.8 [6.5; 10.3]	6.4 [5.3; 8.4]	0.98 [0.91; 1.07]	0.99 [0.89; 1.10]	0.01 [-0.10; 0.11]		
	1.11	1.19	0.08	46.7	39.1	1.03	1.02	-0.10, 0.11		
Timor Leste	[1.03; 1.20]	[1.09; 1.32]	[-0.04; 0.21]	[31.5; 67.6]	[26.4; 56.8]	[0.95; 1.12]	[0.92; 1.13]	[-0.12; 0.12]		
Togo	1.18	1.22	0.04	47.6	38.9	0.99	1.00	0.01		
0	[1.11; 1.26] 1.28	[1.12; 1.33]	[-0.09; 0.16] -0.01	[37.5; 60.2] 10.7	[30.8; 49.5]	[0.93; 1.05] 0.97	[0.92; 1.10] 0.97	[-0.09; 0.12] 0.00		
Tonga	[1.15; 1.43]	[1.15; 1.40]	[-0.16; 0.13]	[5.7; 18.6]	[4.5; 14.6]	[0.87; 1.08]	[0.87; 1.07]	[-0.12; 0.11]		
Trinidad and Tobago	1.20	1.22	0.03	16.0	13.1	1.04	1.01	-0.03		
Titilidad alid Tobago	[1.08; 1.32]	[1.09; 1.37]	[-0.11; 0.17]	[6.5; 39.3]	[5.3; 32.2]	[0.94; 1.15]	[0.90; 1.13]	[-0.15; 0.09]		
Tunisia	1.19	1.20	0.01 [-0.09; 0.12]	15.3	12.7	1.03	1.03	0.01		
	[1.11; 1.27]	[1.13; 1.28] 1.15	0.03	[12.9; 18.0] 8.2	[10.7; 15.0] 7.2	[0.96; 1.10] 1.08	[0.97; 1.10] 1.06	[-0.09; 0.10] -0.02		
Turkey¶	[1.06; 1.18]	[1.10; 1.20]	[-0.05; 0.11]	[7.0; 9.7]	[6.1; 8.5]	[1.02; 1.15]*	[1.02; 1.11]*	[-0.10; 0.05]		
Turkmenistan¶	1.33	1.34	0.01	40.9	30.5	0.90	0.92	0.02		
Turkinomokang	[1.21; 1.48]	[1.20; 1.50]	[-0.15; 0.16]	[27.3; 59.6] 3.9	[20.3; 44.8]	[0.80; 0.99]*	[0.82; 1.02]	[-0.08; 0.13]		
Turks and Caicos Islands¶	1.54 [1.45; 1.64]	1.05 [0.97; 1.13]	-0.49 [-0.61; -0.37]†	[2.3; 6.7]	[2.2; 6.4]	[0.76; 0.85]*	1.13 [1.05; 1.22]*	0.33 [0.23; 0.43]†		
Tuvalu	1.27	1.27	0.00	20.2	15.9	0.97	0.98	0.01		
Tuvaiu	[1.14; 1.40]	[1.14; 1.41]	[-0.14; 0.15]	[11.4; 34.1]	[9.0; 26.9]	[0.87; 1.07]	[0.88; 1.09]	[-0.10; 0.13]		
Uganda	1.15	1.24	0.09	34.4	27.7	1.01	1.00	-0.02		
	[1.09; 1.20] 1.26	[1.14; 1.35] 1.22	[-0.02; 0.22] -0.04	[25.2; 45.9] 7.7	[20.2; 36.9]	[0.96; 1.07] 0.99	[0.91; 1.09]	[-0.11; 0.08] 0.00		
Ukraine	[1.14; 1.40]	[1.09; 1.37]	[-0.19; 0.11]	[7.2; 8.3]	[5.8; 6.8]	[0.89; 1.09]	[0.89; 1.11]	[-0.11; 0.12]		
United Arab Emirates	1.29	1.22	-0.07	6.0	4.9	0.96	0.98	0.02		
Omica i nao Emmacos	[1.19; 1.41]	[1.12; 1.33]	[-0.21; 0.06]	[5.1; 7.0]	[4.2; 5.8]	[0.88; 1.05]	[0.90; 1.07]	[-0.08; 0.12]		
United Kingdom	1.30 [1.27; 1.33]	1.21 [1.15; 1.26]	-0.10 [-0.16; -0.04]†	4.0 [3.8; 4.2]	3.3 [3.1; 3.5]	0.94 [0.92; 0.96]*	0.98 [0.94; 1.03]	0.05 [0.00; 0.10]†		
United States of America	1.26	1.20	-0.06	5.8	4.9	0.98	1.00	0.02		
United States of America	[1.24; 1.27]	[1.15; 1.25]	[-0.11; -0.01]†	[5.5; 6.2]	[4.6; 5.2]	[0.97; 0.99]*	[0.96; 1.04]	[-0.02; 0.06]		
Uruguay	1.26	1.23	-0.03	5.5	4.5	0.99	0.97	-0.02		
	[1.21; 1.30] 1.33	[1.15; 1.31] 1.32	[-0.12; 0.07] -0.01	[5.0; 6.1] 14.3	[4.0; 4.9]	[0.96; 1.03] 0.90	[0.91; 1.03] 0.94	[-0.09; 0.05] 0.04		
Uzbekistan¶	[1.23; 1.45]	[1.19; 1.47]	[-0.16; 0.13]	[12.8; 16.3]	[9.6; 12.5]	[0.83; 0.98]*	[0.84; 1.05]	[-0.06; 0.15]		
Vanuatu	1.17	1.18	0.01	21.3	18.1	1.05	1.06	0.01		
vanuatu	[1.04; 1.32]	[1.04; 1.31]	[-0.14; 0.14]	[12.2; 36.2]	[10.3; 31.0]	[0.94; 1.20]	[0.95; 1.19]	[-0.12; 0.13]		
Venezuela (Bolivarian Republic of)	1.25 [1.22; 1.27]	1.19 [1.11; 1.27]	-0.06 [-0.14; 0.03]	22.8 [16.8; 30.7]	19.1 [14.1; 25.7]	1.00 [0.98; 1.02]	0.99 [0.93; 1.06]	-0.01 [-0.07; 0.07]		
XII star will	1.33	1.31	-0.01	18.6	14.2	0.93	0.95	0.02		
Vietnam¶	[1.24; 1.42]	[1.22; 1.41]	[-0.13; 0.11]	[16.4; 21.2]	[12.4; 16.2]	[0.87; 0.99]*	[0.88; 1.02]	[-0.06; 0.11]		
Yemen	1.18	1.19	0.02	51.0	42.7	1.00	1.01	0.01		
	[1.13; 1.23]	[1.09; 1.31] 1.20	[-0.10; 0.14] 0.07	[24.6; 98.4] 43.8	[20.6; 82.2] 36.3	[0.95; 1.04] 1.02	[0.92; 1.12] 1.02	[-0.09; 0.12] 0.00		
Zambia	[1.08; 1.19]	[1.11; 1.31]	[-0.04; 0.19]	[33.2; 57.8]	[27.5; 48.1]	[0.97; 1.07]	[0.93; 1.11]	[-0.10; 0.10]		
Zimbabwe	1.28	1.25	-0.03	39.6	31.6	0.95	0.98	0.04		
Zimoaowe	[1.20; 1.36]	[1.15; 1.36]	[-0.15; 0.10]	[28.8; 53.7]	[23.1; 42.9]	[0.89; 1.01]	[0.90; 1.07]	[-0.07; 0.14]		

Table 13: Estimates and 90% uncertainty intervals for sex ratios for CMR in 1990 and 2021, the change in sex ratios from 1990 to 2021, sex-specific CMR in 2021, and ratios of estimated to expected female CMR and their change from 1990 to 2021 for the world, UNICEF regions, and all countries. ¶: Sex ratio is outlying in 1990. §: Sex ratio is outlying in 2021. *: The ratio of estimated to expected female mortality is significantly different from one. †: Change is significantly different from zero.

	Sex ratio CMR			Sex-specific C!	MR in 2021 (per 1,000)		imated/Expected		
	1990	2021	Change 1990–2021	Male	Female	1990	2021	Change 1990–2021	
World¶	0.91	1.01	0.10	10.0	9.9	1.11	1.03	-0.08	
South Asia¶§	[0.90; 0.93] 0.76	[0.99; 1.04] 0.88	[0.07; 0.13]† 0.13	[8.8; 11.4] 6.1	[8.7; 11.3] 6.9	[1.09; 1.13]* 1.34	[1.00; 1.06] 1.30	[-0.11; -0.05]† -0.03	
	[0.73; 0.78]	[0.84; 0.93]	[0.08; 0.18]† 0.12	[5.3; 7.0]	[6.0; 7.9]	[1.30; 1.38]*	[1.23; 1.38]* 1.01	[-0.12; 0.05] -0.02	
Europe and Central Asia	[1.04; 1.11] 0.92	[1.16; 1.22] 1.06	[0.07; 0.16]† 0.15	[1.1; 1.3] 4.0	[0.9; 1.1]	[0.99; 1.06] 1.16	[0.97; 1.03] 1.08	[-0.06; 0.02] -0.08	
Middle East and North Africa¶	[0.89; 0.95]	[1.01; 1.12]	[0.09; 0.20]†	[2.9; 7.1]	[2.7; 6.6]	[1.12; 1.20]*	[0.98; 1.14]	[-0.18; -0.01]†	
Sub-Saharan Africa¶	1.04 [1.03; 1.06]	1.05 [1.02; 1.09]	0.01 [-0.03; 0.04]	24.9 [22.1; 31.5]	23.7 [21.0; 30.1]	0.96 [0.95; 0.98]*	0.98 [0.95; 1.01]	0.01 [-0.02; 0.05]	
Latin America and Caribbean	1.06 [1.02; 1.10]	1.16 [1.12; 1.20]	0.10 [0.06; 0.15]†	2.5 [2.3; 2.9]	2.2 [2.0; 2.5]	1.02 [0.97; 1.06]	1.01 [0.97; 1.05]	-0.01 [-0.06; 0.04]	
East Asia and Pacific	1.03 [0.96; 1.11]	1.19 [1.11; 1.25]	0.16 [0.08; 0.22]†	3.2 [2.7; 3.5]	2.7 [2.3; 3.0]	1.03 [0.96; 1.11]	0.99 [0.93; 1.05]	-0.04 [-0.11; 0.02]	
North America	1.25	1.24 [1.19; 1.31]	0.00	1.0	0.8 [0.7; 0.8]	0.96 [0.94; 0.98]*	0.96 [0.92; 1.01]	0.00 [-0.05; 0.05]	
Afghanistan	0.95	1.06	0.11	13.2	12.5	1.05	1.03	-0.02	
Albania¶	[0.88; 1.04] 0.78	[0.96; 1.16] 0.79	[-0.01; 0.21] 0.01	[8.3; 20.4] 0.9	[7.9; 19.2] 1.2	[0.97; 1.14] 1.53	[0.92; 1.15] 1.48	[-0.15; 0.11] -0.05	
-	[0.69; 0.88]	[0.72; 0.90] 1.08	[-0.07; 0.12] -0.05	[0.9; 1.0] 3.4	[1.1; 1.3] 3.1	[1.36; 1.72]* 1.00	[1.33; 1.66]* 1.11	[-0.23; 0.13] 0.12	
Algeria	[1.08; 1.19] 1.81	[1.00; 1.16] 2.64	[-0.15; 0.04] 0.83	[2.9; 3.8] 0.2	[2.7; 3.6] 0.1	[0.95; 1.06] 0.65	[1.03; 1.20]* 0.64	[0.02; 0.22]† -0.01	
Andorra¶	[1.59; 2.00] 1.07	[1.68; 2.07] 1.08	[-0.13; 0.28] 0.01	[0.0; 0.6] 24.3	[0.0; 0.3]	[0.56; 0.74]* 0.94	[0.58; 0.71]* 0.97	[-0.09; 0.09] 0.02	
Angola	[0.97; 1.18]	[0.96; 1.21]	[-0.11; 0.14]	[6.6; 59.2]	[6.1; 54.6]	[0.85; 1.04]	[0.84; 1.12]	[-0.10; 0.18]	
Anguilla	1.18 [1.09; 1.27]	1.15 [1.13; 1.36]	-0.03 [-0.06; 0.19]	0.1 [0.1; 0.3]	0.1 [0.1; 0.3]	1.02 [0.94; 1.10]	0.97 [0.88; 1.06]	-0.05 [-0.15; 0.05]	
Antigua and Barbuda	1.22 [1.09; 1.38]	1.22 [1.08; 1.39]	0.00 [-0.14; 0.14]	1.1	0.9 [0.6; 1.4]	0.98	0.98 [0.87; 1.12]	0.00 [-0.11; 0.12]	
Argentina	1.15 [1.12; 1.19]	1.14 [1.09; 1.21]	-0.01 [-0.07; 0.07]	0.8	0.7 [0.7; 0.8]	1.04 [1.01; 1.07]*	1.04 [0.99; 1.10]	0.00 [-0.06; 0.07]	
Armenia	1.17	1.21	0.04	1.3	1.1	0.98	0.99	0.01	
Australia	[1.02; 1.35]	[1.05; 1.42]	-0.07	0.6	0.5	0.94	0.85; 1.14]	0.05	
Austria	[1.22; 1.34] 1.26	[1.13; 1.32] 1.26	[-0.17; 0.05] 0.01	[0.6; 0.7] 0.7	[0.5; 0.5]	[0.89; 0.98]* 0.96	[0.91; 1.06] 0.95	[-0.03; 0.13] 0.00	
	[1.18; 1.33]	[1.15; 1.38] 1.16	[-0.12; 0.14] 0.16	[0.7; 0.8]	[0.5; 0.7]	[0.90; 1.02] 1.04	[0.87; 1.05]	[-0.10; 0.10] -0.01	
Azerbaijan	[0.88; 1.13]	[1.01; 1.33] 1.18	[0.04; 0.30]†	[1.3; 4.2] 1.9	[1.1; 3.6]	[0.91; 1.19] 1.04	[0.90; 1.19] 1.02	[-0.13; 0.11] -0.02	
Bahamas	[1.04; 1.27] 1.17	[1.05; 1.32] 1.11	[-0.11; 0.16] -0.06	[1.6; 2.2]	[1.4; 1.9] 1.0	[0.94; 1.16]	[0.91; 1.15] 1.08	[-0.14; 0.10] 0.05	
Bahrain	[1.06; 1.28]	[1.02; 1.21]	[-0.18; 0.06]	[0.9; 1.2]	[0.8; 1.1]	[0.94; 1.13]	[0.99; 1.18]	[-0.06; 0.16]	
Bangladesh¶	0.85 [0.81; 0.89]	1.18 [1.10; 1.27]	0.33 [0.24; 0.43]†	4.8 [4.2; 5.6]	4.1 [3.5; 4.8]	1.19 [1.13; 1.24]*	1.02 [0.95; 1.10]	-0.17 [-0.26; -0.08]†	
Barbados	1.21 [1.08; 1.35]	1.21 [1.07; 1.38]	0.00 [-0.13; 0.15]	0.9 [0.6; 1.5]	0.8 [0.5; 1.2]	0.99 [0.89; 1.11]	0.99 [0.87; 1.12]	-0.01 [-0.12; 0.11]	
Belarus	1.29 [1.23; 1.35]	1.32 [1.22; 1.44]	0.03	0.8	0.6 [0.5; 0.7]	0.93 [0.89; 0.97]*	0.90 [0.83; 0.98]*	-0.03 [-0.11; 0.06]	
Belgium	1.22 [1.15; 1.28]	1.23 [1.13; 1.34]	0.01 [-0.10; 0.14]	0.8 [0.7; 0.9]	0.6 [0.6; 0.7]	0.99 [0.94; 1.05]	0.98 [0.90; 1.06]	-0.01 [-0.11; 0.08]	
Belize	1.12 [0.99; 1.26]	1.17 [1.04; 1.33]	0.05 [-0.08; 0.19]	1.7 [1.4; 2.1]	1.5 [1.2; 1.8]	1.03 [0.91; 1.18]	1.02 [0.91; 1.16]	0.00 [-0.13; 0.12]	
Benin	1.02	1.04	0.02	30.6	29.4	0.98	0.97	-0.01	
Bhutan	[0.97; 1.08] 0.99	[0.95; 1.14] 1.18	[-0.08; 0.13] 0.19	[23.0; 40.5] 4.7	[22.1; 38.9]	[0.93; 1.04] 1.01	[0.89; 1.07] 0.99	[-0.10; 0.09] -0.02	
Bolivia (Plurinational State of)	[0.88; 1.12] 0.99	[1.04; 1.36] 1.14	[0.07; 0.33]† 0.15	[2.4; 10.0] 4.9	[2.0; 8.4]	[0.90; 1.15] 1.02	[0.86; 1.14] 1.04	[-0.14; 0.11] 0.02	
· · · · · · · · · · · · · · · · · · ·	[0.93; 1.05]	[1.03; 1.27] 1.27	[0.04; 0.28]†	[3.4; 7.6]	[2.9; 6.7]	[0.96; 1.09]	[0.93; 1.16] 0.94	[-0.09; 0.14] 0.04	
Bosnia and Herzegovina	[1.22; 1.44] 1.09	[1.15; 1.41] 1.17	[-0.18; 0.08] 0.07	[0.7; 1.1] 7.3	[0.5; 0.9]	[0.83; 0.98]* 1.00	[0.85; 1.05] 0.97	[-0.06; 0.14] -0.02	
Botswana	[0.98; 1.25]	[1.03; 1.33]	[-0.06; 0.21] 0.09	[1.8; 40.9]	[1.5; 35.1]	[0.87; 1.13]	[0.81; 1.14]	[-0.18; 0.13] 0.01	
Brazil	1.13 [1.00; 1.26]	1.22 [1.07; 1.38]	[-0.03; 0.23]	1.7 [1.5; 2.0]	1.4 [1.2; 1.7]	[0.86; 1.10]	0.99 [0.87; 1.12]	[-0.11; 0.12]	
British Virgin Islands	1.27 [1.20; 1.35]	1.50 [1.33; 1.64]	0.23 [0.05; 0.37]†	0.7 [0.3; 1.4]	0.4 [0.2; 1.0]	0.94 [0.89; 1.00]*	0.81 [0.73; 0.90]*	-0.13 [-0.22; -0.03]†	
Brunei	1.21 [1.10; 1.34]	1.22 [1.08; 1.35]	0.00 [-0.14; 0.14]	2.0 [1.7; 2.5]	1.7 [1.4; 2.0]	0.99 [0.90; 1.09]	0.99 [0.89; 1.11]	0.00 [-0.11; 0.12]	
Bulgaria	1.20 [1.15; 1.26]	1.13 [1.03; 1.22]	-0.08 [-0.18; 0.03]	1.1 [1.0; 1.2]	1.0	1.00 [0.95; 1.04]	1.07 [0.98; 1.16]	0.07 [-0.02; 0.17]	
Burkina Faso	1.02	1.01 [0.92; 1.11]	0.00	32.8 [17.7; 58.0]	32.4 [17.5; 57.6]	0.99	1.01	0.02	
Burundi	0.99 [0.92; 1.08]	1.07	0.08	16.1	15.0	1.01	0.99	-0.02	
Cambodia	1.00	[0.95; 1.20]	[-0.05; 0.21]	[7.3; 32.4]	[7.2; 29.3]	[0.93; 1.10]	[0.87; 1.15]	[-0.15; 0.15] -0.01	
Cameroon	[0.93; 1.07] 1.02	[1.07; 1.32] 1.09	[0.06; 0.32]† 0.07	[1.9; 9.0] 24.9	[1.6; 7.6] 22.9	[0.94; 1.09] 0.98	[0.89; 1.12] 0.95	[-0.13; 0.11] -0.04	
	[0.96; 1.09] 1.24	[0.99; 1.19] 1.19	[-0.04; 0.18] -0.05	[17.0; 34.9] 0.7	[15.6; 32.2] 0.6	[0.93; 1.04] 0.97	[0.86; 1.04] 1.01	[-0.14; 0.07] 0.04	
Canada ¶: Sex ratio is outlying in 1990. §: Sex r	[1.19; 1.29]	[1.11; 1.28]	[-0.14; 0.05]	[0.6; 0.7]	[0.5; 0.6]	[0.93; 1.01]	[0.94; 1.08]	[-0.04; 0.12]	

¶: Sex ratio is outlying in 1990. §: Sex ratio is outlying in 2021. *: The ratio of estimated to expected female mortality is significantly different from one. †: Change is significantly different from zero.

Table 13 – continued from previous page

	T	C	Table 13 – com	E-4		Comple CMD		
	1990	Sex ratio CMI 2021	Change	Male	MR in 2021 (per 1,000) Female	1990	imated/Expected 2021	Change
	1.06	1.18	1990-2021 0.12	2.1	1.7	1.01	1.01	1990–2021 0.00
Cape Verde	[0.99; 1.14]	[1.07; 1.32]	[0.00; 0.26]†	[1.6; 2.7]	[1.3; 2.3]	[0.94; 1.09]	[0.91; 1.12]	[-0.11; 0.12]
Central African Republic	0.97 [0.89; 1.05]	0.99 [0.88; 1.08]	0.02 [-0.10; 0.12]	26.3 [17.4; 39.5]	26.6 [17.7; 40.3]	1.04 [0.96; 1.13]	1.05 [0.94; 1.17]	0.01 [-0.11; 0.13]
Chad	1.06 [1.00; 1.12]	1.03 [0.94; 1.13]	-0.03 [-0.13; 0.08]	44.5 [25.7; 73.1]	43.3 [25.0; 70.9]	0.95 [0.90; 1.01]	0.98 [0.89; 1.08]	0.03 [-0.07; 0.13]
Chile	1.28	1.19	-0.09	1.0	0.9	0.94	1.01	0.07
China	[1.23; 1.33] 1.01	[1.09; 1.29] 1.12	[-0.19; 0.02] 0.12	[0.9; 1.2]	[0.7; 1.0]	[0.91; 0.98]* 1.09	[0.93; 1.10] 1.07	[-0.01; 0.16] -0.02
Colombia	[0.89; 1.14] 1.14	[0.97; 1.29] 1.19	[-0.01; 0.24] 0.04	[1.8; 2.3] 2.0	[1.6; 2.0]	[0.96; 1.25]	[0.93; 1.23] 1.01	[-0.15; 0.10] -0.01
	[1.04; 1.25] 1.01	[1.05; 1.33] 1.07	[-0.09; 0.18] 0.06	[1.3; 3.1] 11.2	[1.1; 2.6] 10.5	[0.93; 1.13]	[0.91; 1.14] 1.04	[-0.12; 0.12] 0.04
Comoros	[0.90; 1.14] 1.01	[0.94; 1.21] 1.13	[-0.07; 0.18] 0.12	[7.2; 17.4] 12.0	[6.7; 16.2] 10.6	[0.88; 1.12] 1.00	[0.90; 1.20] 0.97	[-0.09; 0.18] -0.03
Congo	[0.92; 1.11]	[1.00; 1.26]	[-0.01; 0.25]	[5.2; 29.1]	[4.8; 25.2]	[0.91; 1.10]	[0.84; 1.14]	[-0.17; 0.14]
Democratic Republic of the Congo	1.04 [0.95; 1.14]	1.10 [0.99; 1.24]	0.06 [-0.05; 0.20]	18.5 [7.9; 44.8]	16.8 [7.1; 40.8]	0.97 [0.88; 1.06]	0.96 [0.84; 1.10]	-0.01 [-0.13; 0.13]
Cook Islands¶§	0.32 [0.25; 0.40]	0.29 [0.24; 0.41]	-0.03 [-0.03; 0.04]	0.5	1.6 [0.9; 2.9]	3.82 [2.98; 4.90]*	3.79 [2.90; 4.97]*	-0.03 [-0.45; 0.46]
Costa Rica	1.21 [1.14; 1.28]	1.25 [1.15; 1.36]	0.04 [-0.07; 0.17]	1.6 [1.4; 1.7]	1.3 [1.1; 1.4]	0.99 [0.94; 1.05]	0.96 [0.88; 1.04]	-0.03 [-0.13; 0.06]
Cote d'Ivoire¶	1.15	1.12	-0.02	21.3	18.9	0.88	0.92	0.04
Croatia	[1.07; 1.23] 1.26	[1.02; 1.25] 1.06	[-0.14; 0.11] -0.20	[13.7; 32.4] 0.7	[12.1; 28.5] 0.7	[0.82; 0.94]* 0.96	[0.82; 1.03]	[-0.06; 0.15] 0.17
Cuba	[1.16; 1.36] 1.22	[0.97; 1.17] 1.19	[-0.31; -0.07]† -0.03	[0.7; 0.8] 1.1	[0.6; 0.8]	[0.88; 1.03]	[1.02; 1.24]* 1.01	[0.06; 0.29]† 0.03
	[1.17; 1.27] 1.17	[1.10; 1.28] 1.18	[-0.13; 0.08] 0.01	[0.9; 1.4] 0.5	[0.7; 1.2]	[0.94; 1.03]	[0.94; 1.09] 1.02	[-0.06; 0.11] -0.01
Cyprus	[1.03; 1.34] 1.25	[1.03; 1.35] 1.23	[-0.13; 0.14] -0.02	[0.4; 0.8]	[0.3; 0.7]	[0.89; 1.16]	[0.89; 1.17] 0.98	[-0.12; 0.12] 0.02
Czech Republic	[1.17; 1.33]	[1.14; 1.32]	[-0.13; 0.09]	[0.6; 0.7]	[0.5; 0.5]	[0.90; 1.02]	[0.91; 1.05]	[-0.07; 0.10]
Denmark	1.23 [1.15; 1.32]	1.22 [1.11; 1.35]	-0.01 [-0.13; 0.13]	0.5 [0.5; 0.6]	0.4 [0.4; 0.5]	0.98 [0.91; 1.05]	0.98 [0.89; 1.08]	0.00 [-0.10; 0.11]
Djibouti	1.08 [0.94; 1.27]	1.21 [1.04; 1.40]	0.12 [-0.02; 0.25]	9.4 [3.9; 23.0]	7.8 [3.2; 19.2]	0.94 [0.80; 1.08]	0.94 [0.78; 1.10]	0.00 [-0.14; 0.14]
Dominica	1.20 [1.06; 1.36]	1.21 [1.06; 1.37]	0.01 [-0.14; 0.15]	4.4 [3.7; 5.2]	3.6 [3.0; 4.3]	1.00 [0.88; 1.13]	1.00 [0.88; 1.13]	-0.01 [-0.12; 0.11]
Dominican Republic	1.10	1.19	0.09	6.4	5.3	0.97	0.98	0.01
Ecuador	[1.02; 1.20] 1.05	[1.07; 1.33] 1.16	[-0.03; 0.23] 0.12	[4.2; 10.0] 1.9	[3.5; 8.4]	[0.89; 1.06] 1.04	[0.87; 1.10] 1.03	[-0.11; 0.13] -0.01
	[0.94; 1.16] 0.84	[1.04; 1.29] 1.07	[-0.01; 0.24] 0.24	[1.7; 2.2] 2.9	[1.4; 1.9]	[0.94; 1.17] 1.24	[0.93; 1.15]	[-0.13; 0.11] -0.10
Egypt¶	[0.79; 0.88] 1.08	[0.95; 1.18] 1.21	[0.11; 0.35]† 0.13	[1.8; 5.1] 1.9	[1.7; 4.8] 1.6	[1.16; 1.31]* 0.99	[1.01; 1.27]* 0.99	[-0.23; 0.03] 0.00
El Salvador	[0.96; 1.23]	[1.08; 1.38]	[0.00; 0.26]†	[1.2; 3.5]	[1.0; 2.9]	[0.87; 1.12]	[0.87; 1.12]	[-0.12; 0.12]
Equatorial Guinea	[0.90; 1.17]	1.06 [0.93; 1.21]	[-0.09; 0.16]	[8.7; 47.4]	20.0 [8.1; 44.6]	0.98 [0.86; 1.12]	[0.85; 1.16]	0.01 [-0.12; 0.15]
Eritrea	1.08 [1.01; 1.16]	1.19 [1.06; 1.32]	0.11 [-0.02; 0.24]	10.2 [4.7; 24.9]	8.6 [3.9; 21.4]	0.93 [0.87; 1.00]	0.94 [0.82; 1.08]	0.01 [-0.11; 0.15]
Estonia	1.28 [1.18; 1.38]	1.22 [1.10; 1.38]	-0.05 [-0.18; 0.10]	0.5 [0.4; 0.6]	0.4 [0.3; 0.5]	0.94 [0.87; 1.02]	0.97 [0.87; 1.10]	0.03 [-0.07; 0.15]
Ethiopia	1.05 [0.99; 1.11]	1.12 [1.01; 1.24]	0.07 [-0.05; 0.19]	13.7 [9.2; 20.3]	12.2 [8.2; 18.1]	0.96 [0.90; 1.02]	0.97 [0.86; 1.08]	0.01 [-0.10; 0.13]
Federated States of Micronesia	1.13	1.21	0.08	4.3	3.6	0.98	0.96	-0.02
Fiji	[0.97; 1.33] 1.14	[1.06; 1.44] 1.16	[-0.04; 0.25] 0.02	[1.7; 13.8] 4.9	[1.4; 10.8]	[0.82; 1.15] 1.05	[0.80; 1.12] 1.04	[-0.17; 0.11] -0.01
Finland	[1.03; 1.26] 1.26	[1.05; 1.27] 1.23	[-0.12; 0.15] -0.03	[4.2; 5.7] 0.4	[3.6; 5.0]	[0.95; 1.16] 0.96	[0.94; 1.14] 0.98	[-0.14; 0.11] 0.02
	[1.17; 1.35] 1.29	[1.11; 1.36] 1.21	[-0.15; 0.12] -0.08	[0.4; 0.5] 1.0	[0.3; 0.4]	[0.89; 1.03]	[0.88; 1.08] 0.99	[-0.08; 0.12] 0.06
France	[1.24; 1.33] 1.02	[1.14; 1.29] 1.12	[-0.16; 0.02] 0.09	[0.9; 1.1] 11.3	[0.7; 0.9]	[0.90; 0.97]* 0.99	[0.93; 1.05] 0.99	[-0.01; 0.13] 0.00
Gabon	[0.92; 1.14]	[0.99; 1.26]	[-0.03; 0.23]	[5.9; 24.6]	[5.3; 21.8]	[0.89; 1.10]	[0.85; 1.14]	[-0.14; 0.14] 0.02
The Gambia	1.04 [0.95; 1.15]	1.09 [0.98; 1.22]	0.05 [-0.07; 0.17]	15.0 [9.4; 22.9]	13.8 [8.6; 21.0]	0.96 [0.88; 1.06]	0.98 [0.87; 1.11]	[-0.10; 0.14]
Georgia	1.14 [0.92; 1.32]	1.18 [0.97; 1.38]	0.04 [-0.09; 0.19]	1.1 [1.0; 1.3]	1.0 [0.8; 1.1]	1.01 [0.87; 1.26]	1.01 [0.87; 1.24]	0.00 [-0.13; 0.12]
Germany	1.24 [1.19; 1.28]	1.14 [1.08; 1.21]	-0.10 [-0.17; -0.01]†	0.6 [0.5; 0.6]	0.5 [0.5; 0.5]	0.97 [0.94; 1.01]	1.05 [0.99; 1.11]	0.08 [0.01; 0.15]†
Ghana	1.06 [1.00; 1.13]	1.19 [1.08; 1.31]	0.13	12.8 [8.2; 19.8]	10.8	0.95 [0.89; 1.01]	0.92	-0.03 [-0.13; 0.09]
Greece	1.17	1.13	-0.03	0.5	0.4	1.03	1.07	0.04
Grenada	[1.10; 1.24] 1.19	[1.03; 1.23] 1.22	[-0.15; 0.07] 0.03	[0.4; 0.5] 2.0	[0.4; 0.5]	[0.97; 1.09] 1.01	[0.98; 1.17] 1.00	[-0.06; 0.14] -0.01
	[1.06; 1.33] 0.96	[1.07; 1.35] 1.13	[-0.12; 0.16] 0.18	[1.6; 2.4]	[1.3; 2.0] 3.3	[0.90; 1.13] 1.09	[0.89; 1.12] 1.05	[-0.13; 0.11] -0.03
Guatemala¶	[0.88; 1.03]	[1.02; 1.26] 1.04	[0.07; 0.31]†	[2.5; 6.0] 38.0	[2.2; 5.2] 36.6	[1.00; 1.18]* 1.01	[0.95; 1.18] 0.97	[-0.15; 0.09] -0.04
Guinea	[0.94; 1.05]	[0.95; 1.14]	[-0.06; 0.16]	[28.6; 50.8]	[28.0; 48.3]	[0.96; 1.07]	[0.88; 1.07]	[-0.14; 0.06]
Guinea-Bissau	1.04 [0.96; 1.14]	1.07 [0.97; 1.20]	0.03 [-0.09; 0.16]	26.4 [11.7; 51.0]	24.7 [10.9; 47.6]	0.96 [0.88; 1.05]	0.96 [0.85; 1.08]	0.00 [-0.12; 0.12]
Guyana	1.13 [1.01; 1.27]	1.29 [1.13; 1.47]	0.15 [0.01; 0.30]†	5.1 [2.5; 11.6]	4.0 [2.0; 9.1]	0.94 [0.83; 1.06]	0.92 [0.79; 1.05]	-0.02 [-0.14; 0.10]
Haiti	1.03 [0.96; 1.11]	1.11 [1.00; 1.24]	0.08 [-0.03; 0.21]	14.6 [8.5; 25.5]	13.1 [7.7; 22.5]	0.97 [0.91; 1.04]	0.96 [0.85; 1.10]	-0.01 [-0.13; 0.12]
Honduras	1.07	1.17 [1.04; 1.31]	0.10	2.5 [1.9; 3.7]	2.2	1.00	1.03	0.02
Hungary	1.25	1.17	-0.07	0.7	0.6	0.96	1.03	0.06
Iceland	[1.18; 1.32] 1.10	[1.07; 1.28] 1.12	[-0.19; 0.04] 0.02	[0.7; 0.8] 0.6	[0.6; 0.7]	[0.91; 1.02] 1.09	[0.94; 1.12] 1.07	[-0.03; 0.16] -0.01
¶: Sex ratio is outlying in 1990. §: Sex i	[0.97; 1.25] ratio is outlying in	[0.98; 1.26] n 2021. *: The rat	[-0.12; 0.14] tio of estimated to e	[0.4; 0.7] xpected female mo	[0.4; 0.7] ortality is significantly diffe	[0.96; 1.24] erent from one. †:	[0.95; 1.23] Change is signific	[-0.14; 0.12] antly different from zero.

^{¶:} Sex ratio is outlying in 1990. §: Sex ratio is outlying in 2021. *: The ratio of estimated to expected female mortality is significantly different from one. †: Change is significantly different from zero.

Continued on next page

	Table 13 – continued from previous page								
	1990	Sex ratio CM 2021	Change	Sex-specific Cl Male	MR in 2021 (per 1,000) Female	1990	imated/Expected 2021	female CMR Change	
	0.72	0.82	1990-2021 0.09	4.7	5.8	1.40	1.47	1990–2021 0.07	
India¶§	[0.70; 0.75]	[0.76; 0.88]	[0.03; 0.16]†	[4.1; 5.5]	[5.0; 6.7]	[1.35; 1.45]*	[1.36; 1.58]*	[-0.05; 0.19]	
Indonesia	1.01 [0.96; 1.07]	1.17 [1.06; 1.30]	0.16 [0.05; 0.29]†	3.6 [2.7; 5.2]	3.1 [2.3; 4.4]	1.02 [0.96; 1.08]	1.02 [0.92; 1.13]	0.00 [-0.10; 0.12]	
Iran (Islamic Republic of)¶	0.87 [0.79; 0.95]	1.02 [0.88; 1.15]	0.15 [0.03; 0.26]†	1.8 [1.0; 3.4]	1.8 [1.0; 3.4]	1.26 [1.15; 1.38]*	1.19 [1.04; 1.37]*	-0.07 [-0.20; 0.08]	
Iraq	1.09 [0.99; 1.21]	1.19 [1.07; 1.35]	0.10 [-0.02; 0.24]	4.2 [2.8; 6.4]	3.5 [2.3; 5.3]	0.99 [0.90; 1.10]	1.00 [0.89; 1.12]	0.00 [-0.11; 0.12]	
Ireland	1.24 [1.16; 1.32]	1.21 [1.10; 1.35]	-0.03 [-0.15; 0.11]	0.4 [0.4; 0.5]	0.4 [0.3; 0.4]	0.97 [0.91; 1.03]	0.99 [0.89; 1.09]	0.02 [-0.08; 0.13]	
Israel	1.10	1.17	0.06	0.7	0.6	1.09	1.03	-0.06	
Italy	[1.05; 1.16] 1.13	[1.09; 1.26] 1.18	[-0.03; 0.17] 0.05	[0.7; 0.8] 0.4	[0.6; 0.7]	[1.03; 1.15]* 1.06	[0.96; 1.11] 1.01	[-0.15; 0.03] -0.05	
•	[1.09; 1.18] 1.28	[1.10; 1.27] 1.27	[-0.04; 0.15] -0.01	[0.4; 0.4]	[0.3; 0.4]	[1.02; 1.11]* 0.94	[0.95; 1.09] 0.95	[-0.13; 0.04] 0.01	
Jamaica	[1.12; 1.48] 1.29	[1.11; 1.48] 1.13	[-0.16; 0.14] -0.16	[1.0; 4.3] 0.6	[0.8; 3.4]	[0.81; 1.07] 0.93	[0.81; 1.08] 1.07	[-0.10; 0.12] 0.14	
Japan	[1.25; 1.33]	[1.06; 1.20]	[-0.24; -0.09]†	[0.6; 0.6]	[0.5; 0.6]	[0.90; 0.96]*	[1.01; 1.13]*	[0.07; 0.21]†	
Jordan	1.11 [1.01; 1.21]	1.17 [1.05; 1.29]	0.06 [-0.07; 0.19]	2.2 [1.6; 3.4]	1.9 [1.3; 2.9]	1.05 [0.96; 1.16]	1.03 [0.93; 1.15]	-0.02 [-0.14; 0.10]	
Kazakhstan	1.17 [1.03; 1.32]	1.23 [1.08; 1.41]	0.06 [-0.08; 0.20]	1.3 [1.2; 1.3]	1.0 [0.9; 1.1]	0.97 [0.85; 1.11]	0.98 [0.85; 1.11]	0.01 [-0.11; 0.13]	
Kenya	1.05 [0.99; 1.12]	1.13 [1.03; 1.25]	0.08 [-0.03; 0.20]	10.0 [7.3; 13.8]	8.8 [6.5; 12.2]	0.96 [0.90; 1.02]	0.99 [0.89; 1.10]	0.03 [-0.08; 0.14]	
Kiribati	1.02	1.11	0.10 [-0.03; 0.22]	10.9	9.8 [3.8; 24.5]	1.00 [0.87; 1.16]	1.00 [0.83; 1.18]	0.00 [-0.15; 0.15]	
Democratic People's Republic of	1.10	1.19	0.09	5.8	4.8	1.00	0.99	0.00	
Korea Republic of Korea	[0.95; 1.30] 1.18	[1.02; 1.39] 1.19	[-0.05; 0.22] 0.00	[4.5; 7.5] 0.5	[3.7; 6.3]	[0.85; 1.17] 1.02	[0.85; 1.17] 1.01	[-0.13; 0.12] 0.00	
•	[1.09; 1.29] 0.92	[1.11; 1.27] 1.00	[-0.12; 0.13] 0.08	[0.4; 0.5]	[0.4; 0.4]	[0.94; 1.11] 1.14	[0.94; 1.08] 1.18	[-0.11; 0.10] 0.04	
Kosovo	[0.75; 1.07] 1.14	[0.85; 1.16] 1.21	[-0.01; 0.20] 0.07	[0.8; 1.1]	[0.8; 1.1] 1.1	[0.98; 1.44] 0.99	[1.03; 1.42]* 0.99	[-0.12; 0.17] 0.00	
Kuwait	[1.09; 1.20]	[1.11; 1.32]	[-0.04; 0.17]	[1.2; 1.5]	[1.0; 1.3]	[0.94; 1.04]	[0.91; 1.08]	[-0.08; 0.10]	
Kyrgyzstan	1.11 [0.99; 1.28]	1.22 [1.07; 1.40]	0.11 [-0.03; 0.24]	2.1 [1.9; 2.2]	1.7 [1.5; 1.8]	0.98 [0.85; 1.12]	0.98 [0.86; 1.12]	0.00 [-0.12; 0.12]	
Lao People's Democratic Republic	1.01 [0.91; 1.11]	1.14 [1.01; 1.27]	0.13	9.1 [5.2; 15.5]	8.0 [4.6; 13.7]	1.00 [0.90; 1.10]	1.00 [0.88; 1.14]	0.00 [-0.12; 0.14]	
Latvia	1.29 [1.20; 1.38]	1.27 [1.15; 1.41]	-0.01 [-0.15; 0.13]	0.6 [0.5; 0.7]	0.5 [0.4; 0.5]	0.93 [0.87; 1.00]	0.94 [0.85; 1.05]	0.01 [-0.09; 0.11]	
Lebanon	1.21 [1.07; 1.38]	1.20	-0.01 [-0.13; 0.15]	1.3	1.1	0.98 [0.85; 1.11]	0.99	0.01 [-0.11; 0.13]	
Lesotho	1.10	1.11	0.01	17.9	16.1	0.95	0.95	0.00	
Liberia	[0.99; 1.22] 1.05	[0.99; 1.25] 1.07	[-0.12; 0.14] 0.01	[10.6; 31.0] 21.1	[9.5; 28.1] 19.8	[0.85; 1.06] 0.96	[0.83; 1.08] 0.98	[-0.12; 0.13] 0.02	
	[0.98; 1.13] 1.05	[0.96; 1.18] 1.09	[-0.10; 0.13] 0.04	[13.2; 33.2] 1.6	[12.6; 30.7] 1.5	[0.89; 1.02] 1.12	[0.87; 1.09] 1.09	[-0.09; 0.14] -0.03	
Libya	[0.91; 1.18]	[0.93; 1.27] 1.26	[-0.07; 0.18] -0.03	[0.9; 2.9]	[0.8; 2.6]	[0.99; 1.30] 0.93	[0.95; 1.28] 0.96	[-0.16; 0.11] 0.02	
Lithuania	[1.22; 1.36]	[1.15; 1.38]	[-0.16; 0.10] 0.02	[0.6; 0.8]	[0.5; 0.6]	[0.88; 0.99]* 0.98	[0.87; 1.05]	[-0.07; 0.12] -0.01	
Luxembourg	[1.09; 1.37]	[1.10; 1.39]	[-0.12; 0.16]	[0.4; 0.7]	[0.3; 0.6]	[0.87; 1.10]	[0.86; 1.09]	[-0.13; 0.10]	
Macedonia	1.07 [1.01; 1.14]	1.24 [1.15; 1.34]	0.17 [0.06; 0.28]†	0.7 [0.6; 0.9]	0.6 [0.5; 0.8]	1.12 [1.05; 1.19]*	0.97 [0.90; 1.04]	-0.15 [-0.24; -0.06]†	
Madagascar	1.05 [0.99; 1.11]	1.08 [0.98; 1.20]	0.03	22.6 [17.5; 29.4]	20.9 [16.1; 27.2]	0.96 [0.90; 1.02]	0.95 [0.86; 1.06]	-0.01 [-0.11; 0.10]	
Malawi¶	1.09 [1.04; 1.15]	1.19 [1.09; 1.31]	0.10 [-0.01; 0.23]	11.9 [6.2; 23.8]	10.1 [5.1; 19.9]	0.92 [0.87; 0.97]*	0.92 [0.82; 1.04]	0.00 [-0.11; 0.12]	
Malaysia	1.17 [1.04; 1.31]	1.16 [1.05; 1.28]	-0.01 [-0.14; 0.13]	1.2 [1.1; 1.3]	1.0 [0.9; 1.1]	1.03 [0.92; 1.15]	1.03 [0.94; 1.14]	0.01 [-0.11; 0.12]	
Maldives	1.01	1.18	0.17	0.9	0.8	1.01	1.02	0.00	
Mali	[0.90; 1.15]	[1.04; 1.34] 1.00	[0.03; 0.30]†	[0.8; 1.1] 37.9	[0.7; 1.0]	[0.89; 1.14] 0.99	[0.90; 1.15] 1.00	[-0.12; 0.13] 0.01	
Malta	[0.97; 1.06] 1.15	[0.92; 1.10] 1.17	[-0.10; 0.09] 0.02	[26.8; 52.8] 0.8	[26.6; 52.4] 0.7	[0.95; 1.04] 1.04	[0.92; 1.10] 1.03	[-0.09; 0.11] -0.01	
	[1.03; 1.28] 1.09	[1.03; 1.32] 1.16	[-0.11; 0.15] 0.08	[0.7; 1.0] 5.4	[0.6; 0.8]	[0.94; 1.17] 1.02	[0.91; 1.16] 1.00	[-0.13; 0.11] -0.02	
Marshall Islands	[0.94; 1.25] 1.05	[1.01; 1.35] 1.19	[-0.05; 0.22] 0.14	[2.7; 12.2] 9.3	[2.3; 10.4] 7.8	[0.88; 1.19] 0.96	[0.86; 1.17] 0.95	[-0.17; 0.12] -0.01	
Mauritania	[0.96; 1.14]	[1.07; 1.32]	[0.01; 0.26]†	[5.5; 15.2]	[4.6; 12.8]	[0.88; 1.05]	[0.84; 1.07]	[-0.12; 0.11]	
Mauritius	1.10 [1.03; 1.19]	1.11 [1.00; 1.22]	0.01 [-0.11; 0.12]	1.4 [1.2; 1.7]	1.2 [1.0; 1.5]	1.08 [1.01; 1.17]*	1.08 [0.98; 1.20]	0.00 [-0.11; 0.12]	
Mexico	1.05 [0.96; 1.15]	1.14 [1.07; 1.21]	0.09 [-0.02; 0.20]	2.0 [1.7; 2.3]	1.7 [1.5; 2.1]	1.07 [0.97; 1.17]	1.06 [0.99; 1.12]	-0.01 [-0.13; 0.10]	
Republic of Moldova	1.18 [1.02; 1.36]	1.20 [1.04; 1.39]	0.03 [-0.11; 0.17]	2.2 [1.6; 3.3]	1.8 [1.3; 2.8]	1.00 [0.86; 1.15]	1.00 [0.87; 1.15]	0.00 [-0.12; 0.13]	
Monaco	1.25 [1.16; 1.34]	1.24 [1.14; 1.37]	-0.01 [-0.14; 0.13]	2.2 [1.4; 3.4]	1.7 [1.1; 2.8]	0.96 [0.89; 1.03]	0.96 [0.87; 1.06]	0.00 [-0.10; 0.11]	
Mongolia	1.07	1.20	0.13	2.3	1.9	0.95	1.00	0.05	
Montenegro	[0.97; 1.17]	[1.11; 1.29]	[0.01; 0.25]† 0.03	[2.1; 2.5]	[1.7; 2.1] 0.3	[0.86; 1.05]	[0.93; 1.08]	[-0.05; 0.15] -0.02	
•	[1.01; 1.33] 1.04	[1.04; 1.35] 1.07	[-0.11; 0.16] 0.03	[0.3; 0.5]	[0.3; 0.4]	[0.90; 1.19] 1.15	[0.89; 1.16] 1.12	[-0.14; 0.10] -0.03	
Montserrat	[0.94; 1.15] 0.97	[0.94; 1.21] 1.12	[-0.09; 0.15] 0.15	[0.3; 2.1] 2.8	[0.3; 1.9]	[1.04; 1.27]* 1.08	[0.99; 1.29] 1.07	[-0.16; 0.11] -0.02	
Morocco	[0.90; 1.05]	[1.00; 1.27] 1.07	[0.04; 0.29]†	[1.9; 3.9] 20.2	[1.7; 3.5] 18.8	[1.00; 1.18] 0.95	[0.95; 1.19]	[-0.14; 0.10] 0.02	
Mozambique	[0.99; 1.13]	[0.98; 1.19]	[-0.10; 0.13]	[10.8; 38.5]	[10.2; 35.7]	[0.89; 1.01]	[0.87; 1.09]	[-0.09; 0.15]	
Myanmar	1.00 [0.90; 1.11]	1.13 [0.99; 1.27]	0.13 [0.00; 0.26]†	8.8 [4.5; 16.7]	7.8 [4.1; 14.5]	1.01 [0.90; 1.13]	1.00 [0.87; 1.17]	-0.01 [-0.14; 0.14]	
Namibia	1.08 [0.98; 1.19]	1.16 [1.04; 1.31]	0.08 [-0.04; 0.21]	10.7 [5.0; 28.7]	9.2 [4.2; 24.5]	0.95 [0.86; 1.04]	0.95 [0.82; 1.10]	0.01 [-0.13; 0.15]	
¶: Sex ratio is outlying in 1990. §: Sex									

| [0.98; 1.19] | [1.04; 1.31] | [-0.04; 0.21] | [5.0; 28.7] | [4.2; 24.3] | [0.00, 1.04] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02, 1.03] | [0.02

Table 13 – continued from previous page

Page		Table 13 - continued from previous page Sex ratio CMR Sex-specific CMR in 2021 (per 1,000) Estimated/Expected female CMR							e i camp
New		1990							
Nome				1990-2021					1990-2021
New 190	Nauru								
	Nepal¶	0.80	1.00	0.20	4.5	4.5	1.25	1.19	-0.06
No. Company	Natharlanda		1.25			0.5	0.96	0.97	0.01
No.	New Zealand	[1.20; 1.36]	[1.09; 1.32]	[-0.20; 0.05]	[0.8; 1.0]	[0.6; 0.8]	[0.88; 1.00]	[0.91; 1.10]	[-0.04; 0.17]
No.	Nicaragua								
New No. 2006 No.	Niger¶	0.97	0.98	0.02	58.6	59.7	1.04	1.02	-0.02
Nove	-		1.01				0.97		
	Niue	[1.03; 1.40]	[1.03; 1.40]	[-0.14; 0.15]	[1.6; 14.7]	[1.3; 12.2]	[0.86; 1.16]	[0.82; 1.15]	[-0.16; 0.11]
Obas 1.04 (1.04) 1.13 (1.04) (1.04) (1.05) 1.15 (1.05) 1.12 (1.05) 1.12 (1.05) 0.05 (1.12) 0.004 (1.05)	Norway								
Policy	Oman	1.04	1.13	0.09	1.5	1.4	1.10	1.06	-0.04
Palma	Dakiotan#S								
Pamme									
Pages New Column	Palau	[1.04; 1.39]	[1.04; 1.40]	[-0.14; 0.15]	[0.6; 2.7]	[0.5; 2.2]	[0.85; 1.14]	[0.86; 1.15]	[-0.11; 0.13]
Popus New Goines	Panama								
Perspang	Papua New Guinea	1.04	1.13	0.09	9.2	8.1		0.99	
Peru	Paraguay	1.11	1.21	0.11	2.9	2.4	1.01	0.99	-0.02
Polity P									
Pollard 1.26 1.17	Peru	[0.92; 1.03]	[1.09; 1.33]	[0.12; 0.36]†	[2.8; 4.5]	[2.3; 3.7]	[1.00; 1.12]	[0.91; 1.10]	[-0.16; 0.05]
Portugal 11.22.1.33	Philippines								
Portugal 12-0	Poland								
Catar	Portugal	1.30	1.25	-0.05	0.6	0.5	0.92	0.96	0.04
Romania	-								
Roman	_								
Residual 1,27; 1,33 1,17; 1,29 1,014; -0017 1,01,11 1,08,09 1,090; 1,094 1,095; 1,031 1,01,117 1,00,00 1,12 1,000; 1,000 1,13 1,000; 1,13 1,	Romania	[1.13; 1.20]	[1.08; 1.23]	[-0.09; 0.07]	[1.2; 1.3]	[1.0; 1.2]	[0.97; 1.02]	[0.98; 1.11]	[-0.03; 0.12]
Saint Kitts and Nevis 103, 115 102, 125 1008, 0.16 103, 23.2 148, 20.0 1037, 0.97 10.86, 1.12 10.00 0	Russian Federation								
Same Kitts and Nevis L18 1.09 0.00 2.5 2.1 1.01 1.00	Rwanda¶								
Samit Lucia 1.00	Saint Kitts and Nevis	1.18	1.19	0.01	2.5	2.1	1.01	1.00	0.00
Samoa									
Samoa [102; 132] [102; 132] [102; 132] [102; 132] [102; 132] [102; 132] [102; 132] [102; 132] [102; 132] [102; 132] [102; 132] [102; 132] [102; 132] [100] 0.2 0.2 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.0									
San Manno	Samoa	[1.02; 1.32]	[1.02; 1.32]	[-0.13; 0.13]	[1.7; 4.0]	[1.5; 3.5]	[0.90; 1.17]	[0.91; 1.18]	[-0.12; 0.12]
Sao Iome and Frincipe 10.88; 1.11 1.104; 1.34 1.006; 0.33 1.21; 6.11 1.18; 5.2 1.03; 1.15 1.08; 1.16 1.01 1.17 1.16 0.01	San Marino	[1.18; 1.51]	[1.15; 1.51]	[-0.17; 0.13]		[0.1; 0.3]	[0.80; 1.02]	[0.80; 1.04]	[-0.09; 0.12]
Saudi Arabia	Sao Tome and Principe								
1.05	Saudi Arabia	0.96	1.04	0.08	1.0	1.0	1.17	1.16	-0.01
Serbia 1.09	Sanagaldi								
Serola									
Seynemies [1,04; 1,31] [1,04; 1,34] [-0,12; 0.15] [1,6; 2.9] [1,4; 2.4] [0.91; 1.16] [0.90; 1.16] [-0.13; 0.11] [0.90; 1.16] [0.90; 1.	Serbia	[1.04; 1.14]	[1.04; 1.25]	[-0.06; 0.16]	[0.7; 0.9]	[0.6; 0.8]	[1.05; 1.15]*	[0.96; 1.16]	[-0.14; 0.06]
Seria Leone 10.98; 1.14 10.96; 1.16 1-0.11; 0.12 120.5; 42.2 11.97; 39.5 10.89; 1.02 10.88; 1.06 1-0.09; 0.12	Seychelles	[1.04; 1.31]	[1.04; 1.34]	[-0.12; 0.15]	[1.6; 2.9]	[1.4; 2.4]	[0.91; 1.16]	[0.90; 1.16]	[-0.13; 0.11]
Singapore	Sierra Leone								
1.05 1.05	Singapore	1.13	1.15	0.02	0.4	0.3	1.06	1.04	-0.02
		1.17	1.22	0.04	1.1	0.9	1.02	0.99	-0.04
Solomon Islands									
Solution Islands	Siovenia	[1.09; 1.33]	[1.06; 1.32]	[-0.15; 0.10]	[0.4; 0.5]	[0.3; 0.5]	[0.91; 1.10]	[0.91; 1.14]	[-0.09; 0.13]
Somaina [0.92; 1.16] [0.90; 1.16] [-0.13; 0.11] [14.9; 120.3] [14.5; 117.1] [0.87; 1.09] [0.87; 1.14] [-0.10; 0.15] South Africa 1.12 1.18 0.06 7.1 6.0 0.95 0.98 0.03 South Sudan 0.98 0.99 0.02 37.3 37.6 1.03 1.04 0.01 South Sudan [0.85; 1.12] [0.85; 1.14] [-0.11; 0.13] [8.1; 107.5] [8.3; 109.6] [0.90; 1.19] [0.89; 1.24] [-0.12; 0.17] Spain 1.22 1.20 -0.02 0.5 0.4 0.98 1.00 0.02 [1.17; 1.27] [1.13; 1.29] [-0.12; 0.08] [0.5; 0.6] [0.4; 0.5] [0.94; 1.02] [0.93; 1.07] [-0.06; 0.10] Sri Lanka 1.00 1.18 0.17 1.1 0.9 1.20 1.03 -0.17 Saint Vincent and the Grenadines 1.19 1.19 0.00 1.3 1.1 1.01 1.00 0.00 State of Palestine 1.13; 1.24]	Solomon Islands	[1.00; 1.32]	[1.04; 1.37]	[-0.09; 0.19]	[1.8; 5.5]	[1.5; 4.6]	[0.87; 1.17]	[0.87; 1.16]	[-0.13; 0.12]
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Somalia								
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	South Africa	1.12	1.18	0.06	7.1	6.0	0.95	0.98	0.03
Spain	South Sudan	0.98	0.99	0.02	37.3	37.6	1.03	1.04	0.01
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$									
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		[1.17; 1.27]	[1.13; 1.29]	[-0.12; 0.08]	[0.5; 0.6]	[0.4; 0.5]	[0.94; 1.02]	[0.93; 1.07]	[-0.06; 0.10]
Saint vincent and the Grenadines [1.08; 1.32] [1.06; 1.34] [-0.13; 0.14] [0.9; 1.7] [0.8; 1.5] [0.91; 1.12] [0.89; 1.13] [-0.12; 0.12] [0.81] State of Palestine [1.03; 1.24] [1.14; 1.40] [0.00; 0.27]† [1.7; 3.4] [1.3; 2.7] [0.90; 1.09] [0.85; 1.06] [-0.15; 0.07] [0.80	Sri Lanka	[0.97; 1.04]	[1.09; 1.26]	[0.08; 0.26]†	[0.8; 1.4]	[0.7; 1.2]	[1.16; 1.24]*	[0.95; 1.11]	[-0.26; -0.08]†
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Saint Vincent and the Grenadines								
Sudan 1.01 [0.94; 1.08] 1.06 [0.95; 1.19] 0.05 [0.08] 17.1 [1.01 [0.92; 2.7.3]] 16.1 [0.93; 1.08] 1.08 [0.88; 1.14] 1.00 [0.99] 0.00 [0.98] Suriname 1.15 [1.02 [0.95; 1.19]] 1.20 [0.05 [2.0]] 2.0 [1.7 [0.93; 1.08]] 1.01 [1.01 [0.0]] 1.00 [0.86; 1.18] 1.00 [0.86; 1.18] 1.01 [0.86; 1.16] 1.01 [0.12] 1.01 [0.86; 1.16] 1.01 [0.12] 1.01 [0.86; 1.16] 1.01	State of Palestine	1.13	1.26	0.13	2.3	1.9	0.99	0.95	-0.04
Suriname [1.05; 1.08] [0.95; 1.19] [0.00; 1.15] [0.2; 0.05] [0.95; 1.10] [0.95; 1.1	Sudan	1.01	1.06	0.05	17.1	16.1	1.00	0.99	0.00
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		1.15	1.20	0.05	2.0	1.7	1.01	1.00	-0.01

^{¶:} Sex ratio is outlying in 1990. §: Sex ratio is outlying in 2021. *: The ratio of estimated to expected female mortality is significantly different from one. †: Change is significantly different from zero.

Continued on next page

Table 13 - continued from previous page Sex ratio CMR Sex-specific CMR in 2021 (per 1,000) Estimated/Expected female CMR								
	1000	Sex ratio CMI			MR in 2021 (per 1,000)			
	1990	2021	Change 1990–2021	Male	Female	1990	2021	Change 1990–2021
Eswatini	1.05	1.10	0.04	12.1	11.0	1.00	1.00	0.01
	[0.94; 1.18]	[0.96; 1.23]	[-0.10; 0.17] -0.04	[5.7; 25.6] 0.5	[5.4; 22.7] 0.4	[0.89; 1.12]	[0.86; 1.18]	[-0.14; 0.17] 0.04
Sweden	[1.14; 1.30]	[1.08; 1.29]	[-0.16; 0.08]	[0.4; 0.5]	[0.4; 0.4]	[0.92; 1.05]	[0.93; 1.11]	[-0.07; 0.14]
	1.27	1.22	-0.05	0.5	0.4	0.95	0.98	0.03
Switzerland	[1.19; 1.35]	[1.12; 1.34]	[-0.17; 0.08]	[0.5; 0.5]	[0.4; 0.4]	[0.89; 1.01]	[0.90; 1.07]	[-0.06; 0.13]
Syria	1.07	1.10	0.03	4.1	3.7	1.08	1.04	-0.04
5,114	[0.97; 1.18]	[0.99; 1.23]	[-0.08; 0.15]	[2.0; 6.4]	[1.8; 5.7]	[0.97; 1.22]	[0.94; 1.17]	[-0.16; 0.07]
Tajikistan	1.03 [0.88; 1.16]	1.21 [1.04; 1.37]	0.18 [0.04; 0.31]†	4.2 [2.2; 9.6]	3.5 [1.8; 8.0]	1.00 [0.88; 1.18]	0.99 [0.86; 1.16]	-0.01 [-0.14; 0.11]
	1.06	1.11	0.04	14.1	12.8	0.94	0.98	0.03
Tanzania	[1.00; 1.13]	[1.00; 1.22]	[-0.07; 0.16]	[7.9; 25.7]	[7.2; 23.0]	[0.89; 1.00]	[0.87; 1.10]	[-0.08; 0.16]
Thailand	1.15	1.19	0.04	1.3	1.1	1.01	1.01	0.00
Thuhunu	[1.03; 1.28]	[1.05; 1.35]	[-0.10; 0.18]	[1.1; 1.7]	[0.9; 1.4]	[0.90; 1.13]	[0.89; 1.15]	[-0.11; 0.13]
Timor Leste	1.01 [0.91; 1.12]	1.13 [1.01; 1.28]	0.11	8.3 [4.5; 15.8]	7.4 [3.9; 13.8]	1.00 [0.89; 1.11]	1.00 [0.87; 1.15]	0.00 [-0.13; 0.14]
_	1.07	1.08	0.02	20.9	19.3	0.94	0.96	0.02
Togo	[1.00; 1.14]	[0.99; 1.19]	[-0.10; 0.13]	[13.6; 30.9]	[12.5; 28.6]	[0.88; 1.00]	[0.86; 1.07]	[-0.08; 0.13]
Tonga	1.26	1.25	-0.01	1.8	1.4	0.96	0.96	0.00
Tonga	[1.10; 1.45]	[1.10; 1.45]	[-0.15; 0.15]	[1.0; 3.2]	[0.8; 2.5]	[0.83; 1.09]	[0.83; 1.09]	[-0.12; 0.11]
Trinidad and Tobago	1.11 [0.95; 1.27]	1.11 [0.96; 1.30]	0.00	1.9 [0.8; 6.1]	1.7 [0.7; 5.5]	1.08 [0.95; 1.27]	1.06 [0.92; 1.25]	-0.02 [-0.15; 0.11]
	0.97	1.12	0.14	2.4	2.2	1.12	1.07	-0.05
Tunisia¶	[0.89; 1.06]	[1.03; 1.21]	[0.03; 0.25]†	[2.0; 3.0]	[1.8; 2.7]	[1.02; 1.24]*	[0.99; 1.17]	[-0.17; 0.07]
Turkey¶	0.95	1.12	0.16	1.4	1.2	1.10	1.08	-0.02
Тиксуд	[0.88; 1.03]	[1.06; 1.18]	[0.07; 0.26]†	[1.2; 1.6]	[1.1; 1.4]	[1.01; 1.19]*	[1.02; 1.13]*	[-0.13; 0.08]
Turkmenistan	1.12 [0.98; 1.27]	1.24 [1.08; 1.43]	0.12 [-0.02; 0.26]	6.4 [3.5; 12.2]	5.1 [2.8; 9.8]	0.95 [0.83; 1.08]	0.95 [0.80; 1.09]	0.00 [-0.13; 0.12]
	1.25	1.77	0.52	0.8	0.5	0.96	0.70	-0.26
Turks and Caicos Islands	[1.16; 1.35]	[1.56; 1.90]	[0.31; 0.65]†	[0.5; 1.4]	[0.3; 0.8]	[0.89; 1.04]	[0.63; 0.77]*	[-0.35; -0.18]†
Tuvalu	0.92	1.03	0.11	3.2	3.1	1.16	1.13	-0.03
14,414	[0.68; 1.11]	[0.75; 1.24]	[-0.01; 0.23]	[1.7; 7.2]	[1.6; 7.0]	[0.98; 1.66]	[0.96; 1.60]	[-0.19; 0.12]
Uganda¶§	1.16	1.26 [1.13; 1.37]	0.10 [-0.03; 0.22]	12.6 [7.4; 21.4]	10.0 [5.9; 17.1]	0.87 [0.82; 0.92]*	0.88 [0.78; 0.98]*	0.01 [-0.10; 0.12]
***	1.13	1.15	0.02	1.3	1.1	1.05	1.04	-0.01
Ukraine	[0.98; 1.31]	[0.98; 1.33]	[-0.12; 0.15]	[1.2; 1.4]	[1.0; 1.2]	[0.92; 1.22]	[0.91; 1.22]	[-0.14; 0.11]
United Arab Emirates	1.21	1.21	0.00	1.0	0.8	1.00	0.99	0.00
omica i nao Emirates	[1.09; 1.35]	[1.10; 1.34]	[-0.14; 0.14]	[0.9; 1.2]	[0.7; 1.0]	[0.89; 1.11]	[0.90; 1.10]	[-0.12; 0.11]
United Kingdom	1.21 [1.17; 1.25]	1.17 [1.10; 1.24]	-0.04 [-0.13; 0.05]	0.6 [0.5; 0.6]	0.5 [0.5; 0.5]	0.99 [0.96; 1.03]	1.03 [0.97; 1.10]	0.04 [-0.04; 0.11]
TI 10 10	1.25	1.25	0.00	1.0	0.8	0.96	0.96	0.00
United States of America	[1.22; 1.28]	[1.19; 1.32]	[-0.06; 0.07]	[0.9; 1.0]	[0.7; 0.8]	[0.94; 0.98]*	[0.91; 1.01]	[-0.05; 0.05]
Uruguay	1.14	1.16	0.02	0.9	0.8	1.05	1.04	-0.02
	[1.08; 1.21] 1.09	[1.06; 1.26] 1.20	[-0.09; 0.13] 0.11	[0.8; 1.0] 1.6	[0.7; 0.9] 1.4	[0.99; 1.12] 1.00	[0.95; 1.13] 1.00	[-0.12; 0.09] 0.00
Uzbekistan	[0.95; 1.24]	[1.05; 1.38]	[-0.01; 0.26]	[1.5; 1.9]	[1.2; 1.6]	[0.87; 1.14]	[0.87; 1.15]	[-0.12; 0.12]
¥7 .	1.14	1.19	0.04	3.9	3.3	1.02	1.01	-0.01
Vanuatu	[0.98; 1.31]	[1.02; 1.36]	[-0.09; 0.18]	[2.0; 9.1]	[1.7; 7.6]	[0.88; 1.19]	[0.87; 1.17]	[-0.15; 0.12]
Venezuela (Bolivarian Republic of)	1.11	1.11	0.00	3.4	3.1	1.08	1.05	-0.03
1	[1.07; 1.15] 1.52	[1.03; 1.21] 1.97	[-0.09; 0.11] 0.45	[2.4; 5.1] 5.6	[2.2; 4.6] 2.8	[1.04; 1.11]* 0.69	[0.96; 1.14] 0.60	[-0.12; 0.07] -0.08
Vietnam¶§	[1.37; 1.69]	[1.73; 2.22]	[0.23; 0.66]†	[5.0; 6.3]	[2.5; 3.3]	[0.62; 0.77]*	[0.54; 0.69]*	[-0.16; -0.01]†
Vomanii	0.93	1.01	0.08	16.1	16.0	1.09	1.06	-0.03
Yemen¶	[0.87; 0.98]	[0.89; 1.13]	[-0.04; 0.20]	[4.9; 47.5]	[5.3; 44.5]	[1.02; 1.16]*	[0.92; 1.25]	[-0.17; 0.16]
Zambia¶	1.06	1.16	0.10	19.5	16.9	0.95	0.91	-0.04
•	[1.01; 1.11] 1.04	[1.06; 1.27] 1.10	[-0.01; 0.22] 0.06	[11.6; 31.3] 15.0	[10.0; 27.2] 13.6	[0.90; 1.00]* 0.97	[0.82; 1.00] 0.97	[-0.14; 0.06] 0.00
Zimbabwe	[0.97; 1.13]	[1.00; 1.22]	[-0.06; 0.18]	[8.6; 26.0]	[7.8; 23.6]	[0.90; 1.05]	[0.87; 1.09]	[-0.11; 0.13]
	[, 1.10]	[,]	[, 0.10]	[, 20.0]	[, 20.0]	[, 1.00]	[, 1.07]	[, 00]

Table 14: Estimates and 90% uncertainty intervals for sex ratios for U5MR in 1990 and 2021, the change in sex ratios from 1990 to 2021, sex-specific U5MR in 2021, and ratios of estimated to expected female U5MR and their change from 1990 to 2021 for the world, UNICEF regions, and all countries. ¶: Sex ratio is outlying in 1990. §: Sex ratio is outlying in 2021. *: The ratio of estimated to expected female mortality is significantly different from one. †: Change is significantly different from zero.

		Sex ratio U5M			5MR in 2021 (per 1,000)		nated/Expected fe	
	1990	2021	Change 1990–2021	Male	Female	1990	2021	Change 1990–2021
World¶8	1.06	1.13	0.07	40.3	35.7	1.06	1.03	-0.03
	[1.05; 1.07] 0.97	[1.11; 1.15] 1.05	[0.05; 0.09]† 0.08	[37.4; 43.8]	[33.1; 39.0]	[1.05; 1.07]* 1.16	[1.01; 1.05]* 1.16	[-0.06; -0.01]† 0.00
South Asia¶§	[0.95; 0.99]	[1.01; 1.09]	[0.04; 0.12]†	[34.6; 41.7]	[33.0; 39.8]	[1.13; 1.18]*	[1.11; 1.20]*	[-0.05; 0.05]
Europe and Central Asia	1.21 [1.19; 1.23]	1.24 [1.21; 1.27]	0.03 [0.00; 0.06]†	8.4 [7.9; 9.3]	6.8 [6.4; 7.5]	0.99 [0.97; 1.01]	0.98 [0.96; 1.00]	-0.01 [-0.03; 0.02]
Middle East and North Africa¶	1.07 [1.05; 1.08]	1.16 [1.12; 1.20]	0.10 [0.05; 0.14]†	23.5 [19.0; 32.2]	20.3 [16.4; 27.7]	1.10 [1.08; 1.12]*	1.05 [1.00; 1.09]	-0.05 [-0.10; -0.01]†
Sub-Saharan Africa¶	1.11	1.16	0.05	78.2	67.5	0.98	0.98	0.00
Latin America and Caribbean	[1.10; 1.12] 1.18	[1.13; 1.18] 1.22	[0.02; 0.08]† 0.04	[71.6; 91.8] 17.5	[61.5; 79.7] 14.3	[0.97; 0.99]* 1.00	[0.96; 1.01] 1.00	[-0.02; 0.03] 0.00
	[1.15; 1.22]	[1.19; 1.26]	[0.00; 0.08]	[16.3; 19.2] 16.0	[13.3; 15.7] 13.3	[0.97; 1.03] 1.05	[0.97; 1.03] 1.01	[-0.03; 0.03] -0.04
East Asia and Pacific¶	[1.08; 1.17] 1.25	[1.16; 1.24] 1.20	[0.02; 0.13]† -0.05	[14.2; 17.7] 6.7	[11.8; 14.7] 5.6	[1.01; 1.09]* 0.97	[0.97; 1.04] 0.99	[-0.09; 0.01] 0.02
North America	[1.24; 1.27]	[1.16; 1.24]	[-0.09; -0.01]†	[6.3; 7.0]	[5.3; 5.9]	[0.96; 0.99]*	[0.96; 1.03]	[-0.01; 0.05]
Afghanistan	1.04 [1.00; 1.09]	1.13 [1.06; 1.21]	0.09 [0.00; 0.18]†	59.1 [43.4; 78.9]	52.2 [38.2; 69.6]	1.05 [1.00; 1.10]	1.05 [0.98; 1.13]	0.00 [-0.08; 0.09]
Albania	1.24 [1.15; 1.32]	1.17 [1.09; 1.24]	-0.07 [-0.18; 0.03]	10.2 [9.3; 11.0]	8.7 [8.0; 9.5]	0.99 [0.92; 1.06]	1.05 [0.99; 1.11]	0.06 [-0.04; 0.15]
Algeria§	1.17	1.16	-0.01	24.0	20.6	1.03	1.06	0.03
Andorra¶	[1.13; 1.22] 1.43	[1.09; 1.24] 1.29	[-0.09; 0.08] -0.15	[21.1; 27.3]	[18.1; 23.5] 2.4	[0.99; 1.07] 0.84	[1.00; 1.13]* 0.93	[-0.04; 0.11] 0.10
-	[1.31; 1.57]	[1.16; 1.45]	[-0.28; 0.00]† 0.08	[0.8; 11.6] 75.2	[0.6; 9.1] 63.3	[0.76; 0.92]*	[0.82; 1.04]	[0.00; 0.20]
Angola	[1.06; 1.15] 1.09	[1.11; 1.28] 0.99	[-0.01; 0.17] -0.11	[31.7; 148.7] 4.0	[26.9; 125.2] 4.1	[0.93; 1.01] 1.13	[0.89; 1.06] 1.21	[-0.08; 0.09] 0.08
Anguilla¶	[1.03; 1.16]	[0.90; 1.08]	[-0.20; -0.01]†	[1.9; 8.4]	[1.9; 8.6]	[1.06; 1.20]*	[1.10; 1.33]*	[-0.03; 0.20]
Antigua and Barbuda	1.19 [1.10; 1.30]	1.17 [1.06; 1.29]	-0.02 [-0.14; 0.10]	6.6 [4.3; 10.2]	5.6 [3.7; 8.8]	1.03 [0.95; 1.12]	1.02 [0.93; 1.12]	-0.01 [-0.10; 0.10]
Argentina	1.24 [1.22; 1.26]	1.29 [1.24; 1.33]	0.05 [0.00; 0.10]†	7.8 [7.4; 8.2]	6.0 [5.7; 6.4]	1.00 [0.98; 1.02]	0.93 [0.90; 0.97]*	-0.07 [-0.10; -0.03]†
Armenia	1.23 [1.14; 1.32]	1.22 [1.11; 1.34]	0.00 [-0.12; 0.12]	11.8 [9.2; 14.8]	9.6 [7.5; 12.1]	0.99 [0.91; 1.06]	1.00 [0.91; 1.10]	0.02 [-0.08; 0.11]
Australia	1.28	1.20	-0.08	4.0	3.4	0.95	0.99	0.04
	[1.24; 1.31]	[1.14; 1.25] 1.20	[-0.14; -0.01]† -0.05	[3.8; 4.3]	[3.2; 3.6]	[0.93; 0.98]*	[0.95; 1.04] 0.99	[-0.01; 0.09] 0.02
Austria	[1.21; 1.30] 1.13	[1.14; 1.28] 1.21	[-0.13; 0.03] 0.08	[3.6; 4.5] 20.3	[3.0; 3.7] 16.8	[0.93; 1.01] 1.02	[0.93; 1.05] 1.02	[-0.05; 0.09] 0.00
Azerbaijan	[1.07; 1.20]	[1.11; 1.33]	[-0.03; 0.20]	[12.1; 34.5]	[9.9; 28.7]	[0.96; 1.08]	[0.93; 1.12]	[-0.09; 0.11]
Bahamas¶	1.16 [1.10; 1.23]	1.17 [1.08; 1.26]	0.01 [-0.09; 0.11]	14.2 [12.1; 16.5]	12.1 [10.3; 14.2]	1.07 [1.01; 1.13]*	1.05 [0.98; 1.14]	-0.01 [-0.10; 0.08]
Bahrain¶	1.06 [1.01; 1.11]	1.10 [1.02; 1.17]	0.04 [-0.05; 0.12]	7.2 [6.2; 8.5]	6.6 [5.6; 7.8]	1.17 [1.12; 1.23]*	1.09 [1.02; 1.17]*	-0.08 [-0.16; 0.01]
Bangladesh¶§	1.05 [1.02; 1.08]	1.16 [1.10; 1.23]	0.11	29.2 [26.3; 32.4]	25.2 [22.6; 28.0]	1.06 [1.03; 1.09]*	1.06 [1.01; 1.13]*	0.01 [-0.06; 0.08]
Barbados	1.21	1.18	-0.02	12.9	10.9	1.03	1.04	0.01
	[1.13; 1.29]	[1.08; 1.30] 1.27	[-0.14; 0.10] -0.08	[8.5; 19.8] 3.0	[7.1; 16.8]	[0.96; 1.10] 0.91	[0.95; 1.14] 0.93	[-0.09; 0.12] 0.02
Belarus¶	[1.31; 1.39] 1.32	[1.20; 1.35] 1.26	[-0.16; 0.01] -0.05	[2.6; 3.5] 4.6	[2.0; 2.8] 3.6	[0.89; 0.94]* 0.93	[0.88; 0.99]* 0.94	[-0.04; 0.08] 0.01
Belgium	[1.27; 1.36]	[1.19; 1.33]	[-0.14; 0.03]	[4.1; 5.1]	[3.2; 4.0]	[0.90; 0.96]*	[0.89; 1.00]*	[-0.04; 0.07]
Belize	1.22 [1.13; 1.31]	1.20 [1.11; 1.29]	-0.02 [-0.13; 0.10]	12.2 [9.8; 15.0]	10.2 [8.2; 12.5]	1.00 [0.93; 1.08]	1.02 [0.95; 1.10]	0.02 [-0.08; 0.12]
Benin	1.09 [1.05; 1.13]	1.16 [1.09; 1.23]	0.07 [-0.01; 0.15]	89.4 [72.6; 110.9]	77.4 [62.6; 95.6]	1.00 [0.97; 1.04]	0.98 [0.92; 1.04]	-0.02 [-0.09; 0.05]
Bhutan	1.08 [1.01; 1.15]	1.20 [1.10; 1.32]	0.12 [0.02; 0.24]†	29.0 [17.2; 48.5]	24.2 [14.2; 40.7]	1.04 [0.97; 1.11]	1.02 [0.93; 1.12]	-0.02 [-0.12; 0.08]
Bolivia (Plurinational State of)	1.11	1.21	0.10	27.0	22.3	1.01	1.02	0.01
Bosnia and Herzegovina	[1.07; 1.15] 1.25	[1.12; 1.31] 1.22	[0.01; 0.21]†	[18.9; 38.5] 6.1	[15.6; 31.9] 5.0	[0.97; 1.05] 0.99	[0.94; 1.10] 0.98	[-0.07; 0.10] -0.01
	[1.20; 1.30] 1.21	[1.14; 1.31] 1.22	[-0.12; 0.07] 0.01	[4.8; 7.9] 38.2	[3.9; 6.4] 31.4	[0.95; 1.03] 0.99	[0.91; 1.05] 1.00	[-0.09; 0.06] 0.01
Botswana	[1.12; 1.30] 1.21	[1.11; 1.32] 1.25	[-0.11; 0.12] 0.04	[11.6; 127.5] 16.0	[9.4; 103.9] 12.7	[0.92; 1.06]	[0.90; 1.09]	[-0.10; 0.11] 0.00
Brazil	[1.13; 1.29]	[1.14; 1.38]	[-0.07; 0.17]	[13.5; 18.8]	[10.8; 15.1]	[0.92; 1.05]	[0.90; 1.08]	[-0.09; 0.10]
British Virgin Islands	1.26 [1.19; 1.33]	1.20 [1.10; 1.31]	-0.06 [-0.18; 0.06]	11.4 [5.1; 25.0]	9.5 [4.3; 20.6]	0.99 [0.94; 1.04]	1.02 [0.93; 1.12]	0.03 [-0.06; 0.14]
Brunei	1.19 [1.12; 1.26]	1.20 [1.11; 1.29]	0.01 [-0.09; 0.12]	12.5 [10.4; 15.0]	10.4 [8.7; 12.5]	1.03 [0.97; 1.09]	1.02 [0.95; 1.10]	-0.01 [-0.10; 0.08]
Bulgaria	1.27	1.17	-0.10	6.8	5.8	0.97	1.02	0.05
Burkina Faso	[1.24; 1.31] 1.08	[1.12; 1.24] 1.12	[-0.17; -0.03]† 0.05	[6.3; 7.3] 87.4	[5.4; 6.2] 77.7	[0.94; 1.00]* 0.99	[0.97; 1.07] 1.01	[-0.01; 0.10] 0.01
	[1.04; 1.11] 1.10	[1.06; 1.20] 1.19	[-0.03; 0.12] 0.09	[59.6; 129.1] 57.2	[53.0; 115.1] 47.9	[0.96; 1.03] 0.99	[0.94; 1.08] 0.98	[-0.06; 0.09] 0.00
Burundi	[1.05; 1.16]	[1.11; 1.28]	[0.00; 0.19]†	[35.1; 92.6]	[29.3; 77.5]	[0.94; 1.04]	[0.91; 1.06]	[-0.09; 0.08] 0.00
Cambodia	1.15 [1.11; 1.20]	1.26 [1.16; 1.36]	[0.00; 0.22]†	27.6 [13.5; 56.4]	21.8 [10.8; 44.5]	0.98 [0.94; 1.02]	0.98 [0.90; 1.06]	[-0.09; 0.09]
Cameroon	1.13 [1.08; 1.17]	1.18 [1.11; 1.26]	0.05 [-0.03; 0.14]	75.4 [58.0; 96.7]	63.8 [48.9; 82.0]	0.98 [0.94; 1.02]	0.97 [0.91; 1.04]	-0.01 [-0.08; 0.07]
Canada	1.25 [1.22; 1.28]	1.16 [1.11; 1.21]	-0.09 [-0.14; -0.03]†	5.4 [5.1; 5.7]	4.7 [4.4; 4.9]	0.97 [0.95; 1.00]*	1.02 [0.98; 1.07]	0.05 [0.00; 0.10]†
¶: Sex ratio is outlying in 1990. §: Se	x ratio is outlying ir	2021. *: The ra	tio of estimated to e	xpected female mo	ortality is significantly differ	ent from one. †: C	Change is significan	ntly different from zero.

	Table 14 - continued from previous page Sex ratio U5MR Sex-specific U5MR in 2021 (per 1,000) Estimated/Expected female U5M									
	1990	2021	Change	Male Male	Female	1990	2021	Change		
Cape Verde	1.15	1.20	1990-2021 0.05	14.8	12.3	1.02	1.02	1990–2021 0.00		
Central African Republic	[1.11; 1.20] 1.10	[1.12; 1.30] 1.15	[-0.04; 0.15] 0.05	[11.3; 19.3] 106.7	[9.4; 16.0] 92.7	[0.98; 1.07] 1.00	[0.95; 1.10] 0.99	[-0.08; 0.08]		
•	[1.05; 1.14] 1.10	[1.08; 1.23] 1.13	[-0.03; 0.14] 0.04	[83.8; 135.3] 113.7	[72.8; 118.1] 100.1	[0.95; 1.04] 0.98	[0.92; 1.07] 0.98	[-0.08; 0.08] 0.01		
Chad	[1.06; 1.14] 1.22	[1.06; 1.21] 1.18	[-0.04; 0.12] -0.04	[79.3; 161.2] 7.1	[69.9; 141.8] 6.0	[0.94; 1.01] 1.01	[0.92; 1.05] 1.01	[-0.06; 0.08] 0.00		
Chile	[1.20; 1.25] 1.09	[1.12; 1.25]	[-0.11; 0.04] 0.03	[5.9; 8.5]	[5.0; 7.1] 6.5	[0.99; 1.03]	[0.95; 1.07]	[-0.06; 0.06] -0.03		
China¶	[1.02; 1.16]	[1.04; 1.21]	[-0.06; 0.13]	[6.6; 8.2]	[5.8; 7.3]	[1.03; 1.18]*	[0.99; 1.15]	[-0.13; 0.06]		
Colombia	1.25 [1.19; 1.31]	1.24 [1.14; 1.35]	-0.01 [-0.12; 0.11]	14.2 [9.3; 21.6]	11.5 [7.5; 17.5]	0.98 [0.93; 1.03]	0.99 [0.91; 1.08]	0.01 [-0.08; 0.10]		
Comoros	1.09 [1.02; 1.17]	1.12 [1.02; 1.21]	0.03 [-0.07; 0.12]	52.4 [39.1; 70.4]	46.8 [34.8; 63.2]	1.02 [0.95; 1.10]	1.07 [0.98; 1.18]	0.05 [-0.04; 0.15]		
Congo	1.13 [1.07; 1.20]	1.20 [1.12; 1.30]	0.07 [-0.03; 0.18]	46.8 [26.3; 84.5]	38.9 [21.9; 70.2]	1.00 [0.94; 1.06]	0.99 [0.91; 1.08]	-0.01 [-0.10; 0.09]		
Democratic Republic of the Congo	1.09 [1.04; 1.13]	1.19 [1.10; 1.28]	0.10 [0.01; 0.20]†	85.5 [50.8; 142.7]	72.1 [42.9; 120.4]	1.00 [0.96; 1.05]	0.98 [0.90; 1.07]	-0.02 [-0.11; 0.08]		
Cook Islands¶	1.10 [1.01; 1.20]	1.04 [0.94; 1.15]	-0.06 [-0.16; 0.04]	7.3 [4.0; 13.6]	7.0 [3.9; 13.1]	1.13 [1.03; 1.23]*	1.16 [1.05; 1.27]*	0.03 [-0.09; 0.14]		
Costa Rica	1.27	1.14 [1.09; 1.20]	-0.12 [-0.19; -0.05]†	8.1 [7.5; 8.8]	7.1 [6.6; 7.7]	0.98	1.05 [1.00; 1.11]*	0.08 [0.02; 0.14]†		
Cote d'Ivoire¶	1.17	1.24	0.06	82.5	66.7	0.94	0.93	0.00		
Croatia	[1.13; 1.23]	[1.15; 1.33]	[-0.03; 0.16] -0.12	[61.6; 110.4] 5.0	[49.7; 89.6] 4.3	0.95	[0.87; 1.01]	0.06		
Cuba	[1.25; 1.35] 1.31	[1.11; 1.25] 1.23	[-0.21; -0.03]† -0.09	[4.6; 5.5] 5.5	[3.9; 4.7]	[0.91; 0.99]* 0.94	[0.95; 1.07] 0.97	[-0.01; 0.13] 0.03		
	[1.28; 1.35]	[1.17; 1.29] 1.18	[-0.15; -0.01]† -0.04	[4.5; 7.0]	[3.6; 5.6]	[0.91; 0.96]* 1.01	[0.92; 1.02] 1.01	[-0.02; 0.09]		
Cyprus	[1.14; 1.29]	[1.08; 1.27] 1.28	[-0.14; 0.06] -0.02	[2.2; 4.3]	[1.9; 3.6]	[0.95; 1.07] 0.95	[0.93; 1.10] 0.93	[-0.08; 0.09] -0.02		
Czech Republic	[1.24; 1.37] 1.28	[1.21; 1.35] 1.19	[-0.11; 0.07] -0.09	[2.8; 3.3]	[2.2; 2.6]	[0.90; 0.99]* 0.95	[0.88; 0.98]* 1.00	[-0.08; 0.05] 0.05		
Denmark	[1.23; 1.33]	[1.12; 1.27]	[-0.17; 0.00]†	[3.6; 4.2]	[3.0; 3.5] 49.0	[0.91; 0.98]*	[0.94; 1.06]	[-0.02; 0.12] 0.01		
Djibouti	1.14 [1.06; 1.23]	1.20 [1.10; 1.31]	0.06 [-0.05; 0.17]	58.8 [32.4; 103.7]	[26.9; 87.3]	[0.91; 1.07]	[0.91; 1.10]	[-0.09; 0.11]		
Dominica	1.16 [1.07; 1.24]	1.16 [1.05; 1.28]	0.01 [-0.11; 0.13]	38.5 [32.6; 45.5]	33.1 [27.9; 39.3]	1.06 [0.99; 1.15]	1.06 [0.96; 1.17]	-0.01 [-0.11; 0.10]		
Dominican Republic	1.16 [1.11; 1.22]	1.19 [1.11; 1.29]	0.03 [-0.07; 0.14]	35.8 [26.4; 48.2]	30.0 [22.1; 40.4]	1.02 [0.97; 1.07]	1.03 [0.95; 1.11]	0.01 [-0.08; 0.10]		
Ecuador	1.23 [1.15; 1.32]	1.25 [1.15; 1.36]	0.02 [-0.09; 0.13]	13.8 [12.1; 15.7]	11.1 [9.6; 12.6]	0.97 [0.90; 1.04]	0.98 [0.91; 1.07]	0.02 [-0.07; 0.11]		
Egypt¶§	0.99 [0.96; 1.03]	1.14 [1.05; 1.24]	0.15 [0.05; 0.25]†	20.2 [13.0; 31.1]	17.7 [11.4; 27.3]	1.16 [1.12; 1.20]*	1.08 [1.00; 1.18]*	-0.08 [-0.17; 0.02]		
El Salvador	1.17	1.21 [1.11; 1.33]	0.05 [-0.07; 0.16]	13.6 [8.1; 23.2]	11.2 [6.7; 19.1]	1.01	1.01 [0.92; 1.11]	0.00 [-0.10; 0.10]		
Equatorial Guinea	1.11 [1.02; 1.20]	1.17 [1.07; 1.28]	0.07	82.6 [45.3; 147.4]	70.4 [38.3; 125.7]	0.99	0.99	0.00		
Eritrea¶	1.21	1.29	0.08	42.7	33.2	0.91	0.94	0.03		
Estonia	[1.16; 1.26]	[1.19; 1.39]	[-0.03; 0.18] -0.08	[23.6; 77.3]	[18.2; 60.6]	[0.87; 0.95]*	[0.86; 1.02] 0.97	[-0.05; 0.11]		
Ethiopia¶	[1.24; 1.36] 1.14	[1.13; 1.32] 1.27	[-0.18; 0.03] 0.14	[1.8; 2.7] 52.2	[1.4; 2.2] 41.0	[0.91; 0.99]* 0.95	[0.90; 1.05] 0.93	[-0.06; 0.11] -0.02		
Federated States of Micronesia	[1.10; 1.18] 1.28	[1.19; 1.37] 1.30	[0.04; 0.24]† 0.03	[40.6; 67.6] 28.0	[31.8; 53.1] 21.5	[0.91; 0.99]* 0.94	[0.86; 1.00] 0.94	[-0.09; 0.06] 0.00		
	[1.17; 1.39] 1.15	[1.19; 1.44] 1.18	[-0.09; 0.16] 0.03	[12.6; 61.5] 29.9	[9.6; 46.7] 25.4	[0.86; 1.02] 1.07	[0.85; 1.03] 1.05	[-0.10; 0.09] -0.02		
Fiji¶	[1.08; 1.23]	[1.11; 1.26] 1.19	[-0.08; 0.13] -0.04	[26.7; 33.5] 2.4	[22.6; 28.5]	[1.00; 1.14]* 0.97	[0.98; 1.12] 1.00	[-0.12; 0.07] 0.02		
Finland	[1.18; 1.28]	[1.12; 1.27]	[-0.13; 0.05] -0.12	[2.1; 2.6] 4.8	[1.8; 2.2] 3.9	[0.94; 1.01]	[0.93; 1.06]	[-0.05; 0.10] 0.07		
France	[1.31; 1.37]	[1.17; 1.27]	[-0.18; -0.06]†	[4.4; 5.2]	[3.6; 4.3]	[0.89; 0.93]*	[0.93; 1.01]	[0.02; 0.11]†		
Gabon	1.17 [1.10; 1.25]	1.23 [1.13; 1.34]	0.06 [-0.04; 0.16]	43.7 [26.0; 74.0]	35.6 [21.4; 59.8]	0.96 [0.90; 1.03]	0.97 [0.89; 1.06]	0.01 [-0.08; 0.10]		
The Gambia	1.12 [1.07; 1.18]	1.22 [1.14; 1.31]	0.10 [0.01; 0.20]†	52.6 [40.7; 67.6]	43.0 [33.2; 55.2]	0.96 [0.91; 1.01]	0.96 [0.90; 1.04]	0.00 [-0.07; 0.08]		
Georgia	1.26 [1.16; 1.37]	1.25 [1.13; 1.38]	-0.01 [-0.13; 0.12]	10.5 [9.3; 11.8]	8.4 [7.4; 9.5]	0.96 [0.88; 1.05]	0.98 [0.89; 1.08]	0.01 [-0.08; 0.11]		
Germany	1.30 [1.27; 1.32]	1.17 [1.13; 1.20]	-0.13 [-0.18; -0.08]†	3.8 [3.7; 4.0]	3.3 [3.2; 3.4]	0.93 [0.91; 0.95]*	1.02 [0.99; 1.05]	0.09 [0.05; 0.12]†		
Ghana	1.13 [1.09; 1.18]	1.23 [1.16; 1.32]	0.10 [0.01; 0.19]†	48.4 [36.6; 64.7]	39.3 [29.6; 52.4]	0.97 [0.94; 1.01]	0.96 [0.90; 1.04]	-0.01 [-0.08; 0.07]		
Greece	1.17	1.17	0.00	4.0	3.4	1.04	1.01	-0.03		
Grenada¶	[1.14; 1.21]	[1.11; 1.24]	0.03	[3.5; 4.5]	[3.0; 3.9]	[1.01; 1.08]*	[0.96; 1.07]	[-0.10; 0.04]		
Guatemala	[1.06; 1.22]	[1.07; 1.27]	[-0.08; 0.14]	[14.2; 21.4] 25.3	[12.1; 18.3]	[1.01; 1.16]*	[0.97; 1.16]	[-0.12; 0.08]		
Guinea	[1.11; 1.21] 1.07	[1.14; 1.33] 1.17	[-0.02; 0.18] 0.10	[18.1; 35.0] 106.1	[14.6; 28.5] 91.0	[0.96; 1.04] 1.00	[0.93; 1.08] 0.96	[-0.08; 0.09] -0.04		
Guinea-Bissau	[1.04; 1.11] 1.10	[1.10; 1.24] 1.18	[0.02; 0.17]† 0.08	[86.2; 132.3] 80.2	[73.9; 114.0] 67.8	[0.97; 1.04] 0.97	[0.90; 1.02] 0.97	[-0.11; 0.03] -0.01		
	[1.06; 1.15] 1.27	[1.10; 1.27] 1.29	[-0.01; 0.17] 0.02	[46.1; 132.5] 31.0	[39.2; 112.2] 24.1	[0.93; 1.02] 0.93	[0.89; 1.05] 0.95	[-0.09; 0.08] 0.02		
Guyana¶	[1.19; 1.35]	[1.18; 1.40] 1.20	[-0.10; 0.14] 0.07	[17.9; 54.0] 63.9	[14.0; 42.0] 53.1	[0.87; 0.99]* 0.98	[0.87; 1.04]	[-0.06; 0.12] 0.00		
Haiti	[1.08; 1.18]	[1.11; 1.30] 1.24	[-0.02; 0.17] 0.04	[44.8; 92.6] 18.3	[37.0; 76.9] 14.7	[0.94; 1.02] 0.98	[0.90; 1.07] 0.99	[-0.08; 0.09] 0.01		
Honduras	[1.14; 1.28]	[1.15; 1.35]	[-0.07; 0.15]	[13.9; 24.8]	[11.2; 19.9]	[0.92; 1.04]	[0.92; 1.08]	[-0.08; 0.10]		
Hungary	1.24 [1.21; 1.28]	1.20 [1.13; 1.27]	-0.05 [-0.12; 0.03]	4.3 [3.8; 4.9]	3.6 [3.2; 4.1]	0.99 [0.97; 1.02]	0.99 [0.94; 1.05]	0.00 [-0.06; 0.06]		
Iceland	1.17 [1.08; 1.26]	1.17 [1.07; 1.28]	0.00 [-0.11; 0.12]	2.8 [2.2; 3.7]	2.4 [1.9; 3.1]	1.02 [0.95; 1.10]	1.01 [0.93; 1.11]	-0.01 [-0.10; 0.09]		
¶: Sex ratio is outlying in 1990. §: Sex	ratio is outlying in	n 2021. *: The rat	tio of estimated to e	xpected female mo	ortality is significantly differ	ent from one. †: C	Change is significat	ntly different from zero.		

Table 14 - continued from previous page Sex ratio U5MR Sex-specific U5MR in 2021 (per 1,000) Estimated/Expected female U5MR											
	1990	Sex ratio U5M 2021	Change	Sex-specific U	5MR in 2021 (per 1,000) Female	1990	nated/Expected for 2021	emale U5MR Change			
	0.94	0.98	1990-2021 0.04	30.3	31.0	1.19	1.26	1990-2021 0.07			
India¶§	[0.92; 0.96]	[0.92; 1.04]	[-0.02; 0.10]	[27.2; 33.6]	[27.8; 34.4]	[1.17; 1.22]*	[1.19; 1.34]*	[-0.01; 0.15]			
Indonesia	1.17 [1.12; 1.21]	[1.14; 1.33]	0.07 [-0.03; 0.17]	24.4 [19.1; 31.4]	19.8 [15.6; 25.5]	0.99 [0.95; 1.02]	1.01 [0.93; 1.09]	0.02 [-0.06; 0.10]			
Iran (Islamic Republic of)¶§	1.01 [0.96; 1.06]	1.10 [1.01; 1.20]	0.09 [0.00; 0.20]	[7.4; 23.3]	12.0 [6.7; 21.2]	1.18 [1.12; 1.24]*	1.11 [1.02; 1.21]*	-0.07 [-0.17; 0.04]			
Iraq	1.16 [1.10; 1.22]	1.21 [1.12; 1.32]	0.05 [-0.05; 0.17]	26.8 [19.5; 36.1]	22.1 [16.1; 29.8]	1.03 [0.97; 1.09]	1.02 [0.94; 1.10]	-0.01 [-0.10; 0.08]			
Ireland	1.25 [1.20; 1.30]	1.19 [1.11; 1.27]	-0.06 [-0.15; 0.03]	3.4 [2.9; 3.9]	2.9 [2.5; 3.3]	0.98 [0.94; 1.01]	1.00 [0.94; 1.07]	0.02 [-0.05; 0.10]			
Israel	1.13	1.18	0.05	3.6	3.1	1.08	1.00	-0.08			
Italy	[1.10; 1.17] 1.22	[1.13; 1.24] 1.17	[-0.01; 0.12] -0.04	[3.4; 3.8] 2.8	[2.9; 3.2]	[1.05; 1.11]* 1.00	[0.96; 1.05] 1.01	[-0.13; -0.02]† 0.01			
•	[1.19; 1.24] 1.33	[1.12; 1.23] 1.30	[-0.10; 0.02] -0.03	[2.6; 3.0] 14.0	[2.2; 2.6]	[0.98; 1.02]	[0.97; 1.06] 0.95	[-0.04; 0.06] 0.02			
Jamaica	[1.23; 1.44] 1.20	[1.18; 1.42] 1.11	[-0.16; 0.10] -0.09	[7.2; 27.3] 2.4	[5.5; 21.2] 2.2	[0.85; 1.01] 0.99	[0.86; 1.04] 1.07	[-0.07; 0.11] 0.08			
Japan	[1.18; 1.22]	[1.07; 1.15]	[-0.13; -0.05]†	[2.3; 2.5]	[2.1; 2.3]	[0.97; 1.01]	[1.04; 1.11]*	[0.04; 0.12]†			
Jordan¶	1.13 [1.08; 1.19]	1.23 [1.12; 1.33]	0.09 [-0.02; 0.20]	16.0 [11.1; 23.3]	13.1 [9.1; 19.0]	1.08 [1.02; 1.14]*	1.01 [0.93; 1.10]	-0.07 [-0.16; 0.02]			
Kazakhstan¶	1.30 [1.21; 1.39]	1.29 [1.18; 1.42]	-0.01 [-0.13; 0.12]	11.5 [11.0; 12.2]	8.9 [8.4; 9.5]	0.93 [0.87; 1.00]*	0.95 [0.87; 1.04]	0.02 [-0.07; 0.11]			
Kenya	1.12 [1.08; 1.16]	1.20 [1.12; 1.28]	0.08 [-0.01; 0.17]	40.4 [32.7; 50.1]	33.7 [27.1; 41.8]	1.00 [0.96; 1.04]	1.00 [0.94; 1.08]	0.01 [-0.07; 0.08]			
Kiribati	1.14	1.20	0.06	52.5	43.6	1.00	0.99	0.00			
Democratic People's Republic of	[1.08; 1.21] 1.20	[1.11; 1.31] 1.22	[-0.04; 0.17] 0.01	[27.9; 97.9] 16.9	[23.0; 81.4] 13.9	[0.94; 1.06] 1.00	[0.91; 1.09] 1.00	[-0.10; 0.09] 0.00			
Korea	[1.09; 1.33]	[1.11; 1.34] 1.20	[-0.10; 0.12] 0.03	[13.2; 21.6]	[10.8; 17.9]	[0.91; 1.10] 1.05	[0.91; 1.10] 0.99	[-0.09; 0.09] -0.06			
Republic of Korea	[1.10; 1.26] 1.11	[1.15; 1.26] 1.16	[-0.07; 0.12] 0.05	[3.0; 3.3]	[2.5; 2.7] 9.2	[0.98; 1.12] 1.04	[0.94; 1.03] 1.05	[-0.14; 0.02] 0.01			
Kosovo	[1.02; 1.20]	[1.06; 1.26]	[-0.06; 0.17] 0.05	[9.3; 12.3] 9.5	[8.0; 10.6] 7.9	[0.95; 1.14]	[0.97; 1.15]	[-0.09; 0.12] -0.04			
Kuwait	1.16 [1.11; 1.20]	1.21 [1.14; 1.28]	[-0.03; 0.13]	[8.6; 10.6]	[7.1; 8.8]	1.05 [1.01; 1.09]*	[0.95; 1.06]	[-0.11; 0.03]			
Kyrgyzstan	1.20 [1.12; 1.30]	1.25 [1.14; 1.37]	0.05 [-0.07; 0.17]	19.3 [18.2; 20.5]	15.4 [14.4; 16.5]	0.99 [0.91; 1.06]	0.99 [0.90; 1.09]	0.01 [-0.09; 0.11]			
Lao People's Democratic Republic	1.12 [1.06; 1.18]	1.24 [1.14; 1.34]	0.12 [0.01; 0.22]†	46.9 [32.2; 66.9]	37.8 [25.9; 54.3]	0.98 [0.93; 1.04]	0.98 [0.90; 1.06]	-0.01 [-0.09; 0.08]			
Latvia	1.29 [1.24; 1.34]	1.18 [1.09; 1.26]	-0.11 [-0.21; -0.01]†	4.0	3.4 [2.9; 4.0]	0.96 [0.92; 0.99]*	1.01 [0.94; 1.08]	0.05 [-0.02; 0.13]			
Lebanon¶	1.10	1.13	0.03	8.7	7.7	1.12	1.07	-0.05			
Lesotho	[1.03; 1.17] 1.19	[1.02; 1.23] 1.20	[-0.08; 0.14] 0.01	[7.0; 10.8] 79.3	[6.2; 9.6] 66.1	[1.05; 1.20]* 0.98	[0.98; 1.18] 0.97	[-0.15; 0.06] 0.00			
	[1.13; 1.25] 1.12	[1.11; 1.29] 1.17	[-0.09; 0.11] 0.05	[55.1; 117.7] 81.9	[45.7; 97.7] 69.9	[0.92; 1.03] 0.97	[0.90; 1.05] 0.99	[-0.09; 0.09] 0.02			
Liberia	[1.07; 1.16] 1.19	[1.10; 1.25] 1.21	[-0.03; 0.14] 0.02	[60.3; 112.2] 11.8	[51.5; 96.2] 9.7	[0.93; 1.01] 1.03	[0.92; 1.06] 1.00	[-0.06; 0.10] -0.02			
Libya	[1.12; 1.27]	[1.11; 1.33]	[-0.08; 0.14]	[6.7; 20.6]	[5.5; 17.0]	[0.96; 1.10]	[0.92; 1.10]	[-0.12; 0.07]			
Lithuania	1.26 [1.21; 1.30]	1.20 [1.12; 1.28]	-0.06 [-0.14; 0.04]	3.6 [3.1; 4.2]	3.0 [2.6; 3.5]	0.98 [0.95; 1.01]	0.99 [0.93; 1.06]	0.01 [-0.06; 0.08]			
Luxembourg	1.23 [1.14; 1.32]	1.21 [1.11; 1.31]	-0.02 [-0.14; 0.09]	3.0 [2.3; 3.9]	2.5 [1.9; 3.3]	0.99 [0.92; 1.06]	0.99 [0.91; 1.07]	0.00 [-0.09; 0.10]			
Macedonia¶	1.12 [1.07; 1.19]	1.12 [1.05; 1.20]	-0.01 [-0.09; 0.09]	5.6 [4.5; 7.1]	5.0 [4.0; 6.4]	1.10 [1.04; 1.16]*	1.06 [1.00; 1.13]	-0.03 [-0.12; 0.05]			
Madagascar	1.10 [1.06; 1.14]	1.18 [1.10; 1.26]	0.08 [0.00; 0.16]	71.4 [60.0; 86.3]	60.6 [50.9; 73.4]	0.99 [0.96; 1.03]	0.98 [0.91; 1.05]	-0.02 [-0.09; 0.06]			
Malawi	1.10	1.25	0.15	46.4	37.1	0.98	0.95	-0.02			
Malaysia	[1.06; 1.13] 1.23	[1.17; 1.34] 1.19	[0.07; 0.25]† -0.04	[29.3; 73.4] 8.2	[23.2; 58.3]	[0.95; 1.01] 1.01	[0.89; 1.03] 1.01	[-0.10; 0.06] 0.01			
	[1.12; 1.35]	[1.10; 1.29] 1.19	[-0.16; 0.08] 0.04	[7.4; 9.1] 6.5	[6.2; 7.7] 5.4	[0.92; 1.10] 1.00	[0.94; 1.10] 1.01	[-0.10; 0.11] 0.01			
Maldives	[1.07; 1.23] 1.08	[1.09; 1.28] 1.11	[-0.07; 0.14] 0.03	[5.4; 7.7] 102.0	[4.6; 6.5] 91.9	[0.93; 1.07] 0.99	[0.93; 1.09] 1.01	[-0.08; 0.10] 0.02			
Mali	[1.05; 1.11]	[1.05; 1.18] 1.16	[-0.03; 0.10] -0.05	[81.5; 127.8] 6.2	[73.4; 114.9] 5.4	[0.96; 1.02] 1.02	[0.95; 1.07]	[-0.04; 0.09] 0.01			
Malta	[1.12; 1.30]	[1.06; 1.26]	[-0.16; 0.07]	[5.2; 7.5]	[4.5; 6.5]	[0.95; 1.09]	[0.95; 1.12]	[-0.09; 0.11]			
Marshall Islands	1.21 [1.11; 1.32]	1.26 [1.15; 1.39]	0.05 [-0.07; 0.17]	33.0 [19.4; 57.0]	26.2 [15.5; 45.1]	0.99 [0.90; 1.09]	0.97 [0.88; 1.07]	-0.02 [-0.12; 0.08]			
Mauritania	1.15 [1.09; 1.21]	1.23 [1.15; 1.32]	0.08 [-0.01; 0.18]	44.6 [34.1; 58.4]	36.2 [27.6; 47.7]	0.96 [0.92; 1.01]	0.98 [0.91; 1.06]	0.02 [-0.06; 0.10]			
Mauritius	1.29 [1.24; 1.35]	1.23 [1.15; 1.31]	-0.07 [-0.16; 0.03]	18.3 [15.2; 21.9]	14.9 [12.4; 17.8]	0.96 [0.92; 1.00]*	1.01 [0.95; 1.08]	0.05 [-0.02; 0.13]			
Mexico	1.18	1.21	0.03	14.5	12.0	1.02	1.02	0.00			
Republic of Moldova	[1.11; 1.26] 1.26	[1.15; 1.27] 1.25	[-0.07; 0.12] -0.01	[12.3; 16.9] 15.7	[10.2; 14.0] 12.6	[0.96; 1.09] 0.97	[0.97; 1.07] 0.99	[-0.09; 0.08] 0.02			
	[1.16; 1.37] 1.25	[1.13; 1.37] 1.24	[-0.14; 0.11] -0.01	[11.1; 22.6]	[8.9; 18.1] 2.6	[0.89; 1.06] 0.96	[0.90; 1.09] 0.96	[-0.08; 0.11] 0.01			
Monaco	[1.19; 1.31] 1.28	[1.16; 1.33] 1.25	[-0.10; 0.09] -0.03	[2.0; 5.1] 16.3	[1.6; 4.1]	[0.91; 1.01] 0.88	[0.90; 1.03]	[-0.07; 0.08] 0.11			
Mongolia¶	[1.22; 1.34] 1.13	[1.19; 1.32] 1.14	[-0.12; 0.06] 0.01	[15.0; 17.8] 2.4	[12.0; 14.3] 2.1	[0.84; 0.92]* 1.10	[0.94; 1.04] 1.04	[0.04; 0.17]†			
Montenegro¶	[1.06; 1.20]	[1.05; 1.23]	[-0.09; 0.12]	[2.0; 2.9]	[1.7; 2.6]	[1.04; 1.17]*	[0.96; 1.13]	[-0.15; 0.04]			
Montserrat¶	0.91 [0.85; 0.98]	0.97 [0.86; 1.09]	0.06 [-0.04; 0.16]	5.2 [1.9; 14.0]	5.3 [2.0; 14.5]	1.35 [1.26; 1.44]*	1.23 [1.09; 1.40]*	-0.11 [-0.23; 0.03]			
Morocco	1.13 [1.07; 1.18]	1.22 [1.11; 1.33]	0.09 [-0.02; 0.20]	19.7 [13.6; 27.8]	16.2 [11.2; 22.8]	1.03 [0.98; 1.09]	1.02 [0.93; 1.11]	-0.02 [-0.11; 0.08]			
Mozambique	1.08 [1.04; 1.12]	1.14 [1.07; 1.22]	0.06	73.9 [47.8; 117.1]	64.9 [41.8; 102.4]	1.00 [0.97; 1.04]	1.02 [0.94; 1.10]	0.01			
Myanmar	1.15	1.22	0.07	45.8	37.6	0.98	0.99	0.01			
Namibia	[1.08; 1.22]	[1.12; 1.32]	[-0.04; 0.18]	[29.4; 69.9] 42.7	[23.9; 57.3] 35.3	[0.92; 1.04]	[0.91; 1.08]	[-0.08; 0.11]			
¶: Sex ratio is outlying in 1990. §: Sex	[1.09; 1.22] ratio is outlying in	[1.12; 1.31] n 2021. *: The ra	[-0.04; 0.16] tio of estimated to e	[22.9; 83.0] expected female me	[19.0; 68.2] ortality is significantly diffe	[0.94; 1.05] rent from one. †: 0	[0.90; 1.08] Change is significa	[-0.10; 0.09] ntly different from zero.			

	Table 14 - continued from previous page Sex ratio U5MR Sex-specific U5MR in 2021 (per 1,000) Estimated/Expected female U5MR											
	1990	Sex ratio U5M 2021	Change	Male Sex-specific US	Female	1990	2021	Change				
	1.17	1.24	1990-2021 0.06	30.4	24.6	1.00	0.99	1990–2021 -0.01				
Nauru	[1.07; 1.29]	[1.12; 1.37]	[-0.05; 0.19]	[15.4; 58.7]	[12.5; 47.8]	[0.91; 1.10]	[0.89; 1.10]	[-0.11; 0.10]				
Nepal¶	1.01 [0.98; 1.05]	1.17 [1.08; 1.26]	0.16 [0.06; 0.25]†	29.2 [22.5; 38.5]	25.0 [19.2; 32.9]	1.10 [1.06; 1.15]*	1.06 [0.98; 1.14]	-0.04 [-0.13; 0.05]				
Netherlands	1.30 [1.26; 1.34]	1.21 [1.15; 1.27]	-0.09 [-0.16; -0.03]†	4.4 [4.2; 4.6]	3.7 [3.5; 3.9]	0.93 [0.90; 0.96]*	0.98 [0.94; 1.03]	0.05 [0.00; 0.11]†				
New Zealand	1.27 [1.23; 1.32]	1.19 [1.11; 1.27]	-0.08 [-0.17; 0.01]	5.1 [4.6; 5.7]	4.3 [3.9; 4.8]	0.96 [0.92; 0.99]*	1.00 [0.93; 1.07]	0.04 [-0.03; 0.12]				
Nicaragua	1.19 [1.13; 1.24]	1.25 [1.15; 1.36]	0.06 [-0.05; 0.18]	14.7 [12.6; 16.9]	11.8 [10.1; 13.6]	0.98 [0.94; 1.03]	0.98 [0.90; 1.07]	0.00 [-0.08; 0.09]				
Niger¶	1.01	1.07	0.06	118.8	111.2	1.04	1.03	-0.01				
Nigeria	[0.98; 1.04] 1.11	[1.01; 1.13] 1.12	[-0.01; 0.13] 0.01	[95.4; 149.0] 116.9	[89.4; 139.6] 104.3	[1.01; 1.06]* 0.97	[0.97; 1.09] 1.00	[-0.07; 0.06] 0.03				
_	[1.08; 1.14] 1.24	[1.06; 1.18] 1.24	[-0.06; 0.08] 0.00	[86.1; 161.1] 26.6	[76.8; 144.5] 21.6	[0.94; 1.00]	[0.94; 1.06] 0.99	[-0.04; 0.09] -0.01				
Niue	[1.12; 1.37] 1.28	[1.12; 1.37] 1.22	[-0.13; 0.13] -0.06	[11.4; 63.5] 2.4	[9.1; 51.5] 2.0	[0.90; 1.11] 0.95	[0.89; 1.10] 0.97	[-0.11; 0.09] 0.03				
Norway	[1.23; 1.33]	[1.14; 1.30]	[-0.14; 0.03]	[2.1; 2.6]	[1.8; 2.2]	[0.91; 0.99]*	[0.91; 1.04]	[-0.04; 0.10]				
Oman	1.18 [1.09; 1.28]	1.21 [1.09; 1.33]	0.02 [-0.09; 0.14]	11.1 [9.9; 12.3]	9.2 [8.2; 10.3]	1.03 [0.95; 1.12]	1.01 [0.92; 1.12]	-0.02 [-0.11; 0.08]				
Pakistan¶	1.05 [1.01; 1.09]	1.15 [1.08; 1.22]	0.10 [0.02; 0.18]†	67.5 [53.9; 84.6]	58.8 [46.8; 73.4]	1.07 [1.03; 1.11]*	1.04 [0.97; 1.11]	-0.03 [-0.11; 0.05]				
Palau	1.24 [1.12; 1.37]	1.24 [1.11; 1.39]	0.00 [-0.13; 0.15]	18.0 [8.5; 38.2]	14.4 [6.9; 30.8]	0.99 [0.90; 1.10]	0.99 [0.89; 1.11]	0.00 [-0.11; 0.11]				
Panama	1.23	1.22	0.00	15.2 [7.7; 31.0]	12.5 [6.2; 25.2]	1.00 [0.92; 1.10]	1.00	0.00 [-0.11; 0.10]				
Papua New Guinea	1.11	1.18	0.07	46.2	39.3	1.04	1.03	-0.01				
	[1.04; 1.18] 1.18	[1.08; 1.28] 1.22	[-0.03; 0.17] 0.04	[31.0; 67.9] 19.9	[26.4; 58.0] 16.3	[0.97; 1.11] 1.02	[0.94; 1.12] 1.01	[-0.10; 0.09] -0.02				
Paraguay	[1.09; 1.27]	[1.11; 1.35] 1.21	[-0.07; 0.16] 0.10	[9.7; 42.3] 15.4	[7.9; 34.7] 12.8	[0.94; 1.11]	[0.91; 1.11] 1.01	[-0.11; 0.08] -0.02				
Peru¶	[1.07; 1.14] 1.22	[1.13; 1.30] 1.23	[0.01; 0.20]† 0.01	[12.3; 19.7] 28.3	[10.1; 16.3] 23.0	[1.00; 1.07]* 0.96	[0.94; 1.09]	[-0.10; 0.06] 0.04				
Philippines	[1.17; 1.27]	[1.14; 1.33]	[-0.09; 0.11]	[19.9; 40.1]	[16.1; 32.7]	[0.92; 1.00]	[0.93; 1.08]	[-0.04; 0.13]				
Poland	1.28 [1.26; 1.30]	1.20 [1.15; 1.24]	-0.08 [-0.14; -0.03]†	4.7 [4.5; 4.9]	3.9 [3.8; 4.1]	0.97 [0.95; 0.99]*	0.99 [0.95; 1.03]	0.02 [-0.02; 0.07]				
Portugal	1.26 [1.22; 1.30]	1.21 [1.14; 1.27]	-0.05 [-0.13; 0.02]	3.4 [3.1; 3.7]	2.8 [2.6; 3.0]	0.98 [0.95; 1.00]	0.98 [0.93; 1.04]	0.01 [-0.05; 0.07]				
Qatar	1.18 [1.10; 1.26]	1.13 [1.06; 1.22]	-0.04 [-0.15; 0.06]	5.6 [5.0; 6.3]	5.0 [4.4; 5.6]	1.05 [0.98; 1.12]	1.05 [0.98; 1.12]	-0.01 [-0.10; 0.09]				
Romania	1.24	1.16	-0.08	6.9	5.9	0.99	1.03	0.04				
Russian Federation¶	[1.22; 1.26] 1.35	[1.11; 1.21]	[-0.13; -0.03]† -0.12	[6.6; 7.2] 5.6	[5.6; 6.2]	[0.97; 1.01] 0.92	[0.99; 1.07] 0.96	[0.00; 0.08]				
Rwanda	[1.33; 1.36] 1.12	[1.19; 1.27] 1.19	[-0.16; -0.07]† 0.07	[5.3; 5.9] 42.8	[4.3; 4.8] 35.9	[0.91; 0.93]* 0.98	[0.93; 0.99]* 1.01	[0.02; 0.08]†				
	[1.08; 1.16] 1.22	[1.11; 1.28] 1.22	[-0.02; 0.16] 0.00	[26.0; 71.0] 16.0	[21.8; 59.3] 13.1	[0.94; 1.01] 1.01	[0.93; 1.09] 1.01	[-0.05; 0.12] 0.00				
Saint Kitts and Nevis	[1.13; 1.33] 1.22	[1.11; 1.34] 1.21	[-0.12; 0.12] -0.01	[10.7; 24.6] 27.1	[8.6; 20.0] 22.4	[0.93; 1.09] 1.02	[0.92; 1.11] 1.03	[-0.09; 0.10] 0.01				
Saint Lucia	[1.15; 1.29]	[1.11; 1.32]	[-0.12; 0.11]	[23.0; 31.8]	[19.0; 26.4]	[0.96; 1.08]	[0.94; 1.12]	[-0.09; 0.11]				
Samoa	1.20 [1.11; 1.30]	1.22 [1.13; 1.33]	0.02 [-0.10; 0.14]	18.3 [12.7; 26.3]	15.0 [10.4; 21.6]	1.02 [0.95; 1.11]	1.01 [0.93; 1.10]	-0.01 [-0.11; 0.09]				
San Marino	1.24 [1.12; 1.38]	1.19 [1.08; 1.33]	-0.05 [-0.18; 0.09]	1.9 [0.9; 3.8]	1.6 [0.7; 3.2]	0.99 [0.89; 1.10]	0.99 [0.89; 1.10]	0.00 [-0.11; 0.11]				
Sao Tome and Principe	1.13 [1.06; 1.20]	1.24 [1.14; 1.35]	0.12 [0.01; 0.22]†	17.1 [9.7; 29.7]	13.7 [7.8; 23.9]	0.99 [0.93; 1.06]	0.99 [0.91; 1.07]	0.00 [-0.09; 0.08]				
Saudi Arabia¶	1.09 [1.00; 1.18]	1.05	-0.04 [-0.14; 0.06]	6.9 [5.2; 9.5]	6.6 [4.9; 9.0]	1.11 [1.03; 1.21]*	1.14 [1.05; 1.25]*	0.03 [-0.08; 0.14]				
Senegal	1.11	1.23	0.12	42.4	34.5	0.98	0.98	0.00				
Serbia¶	[1.07; 1.14] 1.13	[1.15; 1.31] 1.21	[0.04; 0.21]† 0.09	[31.9; 56.1] 6.0	[25.9; 45.7] 4.9	[0.95; 1.01] 1.10	[0.91; 1.05] 0.98	[-0.08; 0.07] -0.12				
-	[1.10; 1.15] 1.17	[1.15; 1.28] 1.17	[0.02; 0.16]† 0.01	[5.6; 6.5] 15.0	[4.6; 5.3] 12.8	[1.07; 1.12]* 1.06	[0.93; 1.04] 1.05	[-0.18; -0.06]† -0.01				
Seychelles	[1.07; 1.26] 1.10	[1.07; 1.28] 1.14	[-0.11; 0.12] 0.04	[11.5; 19.7] 111.4	[9.8; 16.8] 97.6	[0.98; 1.15] 0.98	[0.97; 1.15] 0.99	[-0.11; 0.10] 0.02				
Sierra Leone	[1.06; 1.14]	[1.08; 1.21]	[-0.03; 0.12] 0.01	[90.9; 136.9]	[79.3; 119.8] 1.9	[0.94; 1.01]	[0.93; 1.06] 1.01	[-0.05; 0.09] -0.02				
Singapore	1.17 [1.12; 1.22]	1.18 [1.10; 1.26]	[-0.08; 0.10]	2.3 [1.8; 2.7]	[1.6; 2.3]	[0.99; 1.07]	[0.94; 1.08]	[-0.09; 0.07]				
Slovakia	1.28 [1.24; 1.33]	1.21 [1.15; 1.27]	-0.08 [-0.15; 0.00]†	6.2 [5.8; 6.5]	5.1 [4.8; 5.4]	0.96 [0.93; 0.99]*	0.99 [0.94; 1.04]	0.03 [-0.03; 0.08]				
Slovenia	1.25 [1.19; 1.32]	1.18 [1.09; 1.27]	-0.07 [-0.17; 0.03]	2.3 [2.0; 2.7]	2.0 [1.7; 2.3]	0.98 [0.93; 1.03]	1.01 [0.94; 1.09]	0.03 [-0.05; 0.12]				
Solomon Islands	1.18	1.20 [1.09; 1.32]	0.02	20.4 [12.5; 32.3]	17.0 [10.4; 26.9]	1.03 [0.95; 1.14]	1.03	-0.01 [-0.11; 0.10]				
Somalia	1.09	1.11	0.02	117.0	105.4	1.00	1.00	0.00				
South Africa	[1.01; 1.17]	[1.03; 1.20]	[-0.06; 0.11] -0.01	[53.2; 260.2] 35.3	[48.1; 234.3]	[0.93; 1.07] 0.99	[0.92; 1.10]	[-0.08; 0.10]				
South Sudan	[1.12; 1.25] 1.05	[1.11; 1.23] 1.10	[-0.10; 0.07] 0.05	[32.3; 38.8] 103.6	[27.6; 33.2] 93.9	[0.94; 1.06]	[1.00; 1.10] 1.02	[-0.03; 0.13] 0.00				
	[0.98; 1.13] 1.23	[1.02; 1.20] 1.20	[-0.03; 0.14] -0.02	[36.3; 240.0] 3.3	[33.1; 217.7] 2.8	[0.95; 1.10] 0.99	[0.93; 1.13] 0.99	[-0.09; 0.10] 0.00				
Spain	[1.20; 1.26] 1.19	[1.15; 1.26]	[-0.09; 0.04] 0.02	[3.1; 3.5] 7.4	[2.6; 2.9] 6.1	[0.97; 1.01]	[0.94; 1.03]	[-0.05; 0.05] -0.05				
Sri Lanka	[1.17; 1.22]	[1.14; 1.29]	[-0.05; 0.10]	[5.5; 9.9]	[4.5; 8.1]	[1.02; 1.06]*	[0.93; 1.05]	[-0.11; 0.01]				
Saint Vincent and the Grenadines	1.17 [1.09; 1.24]	1.20 [1.09; 1.32]	0.03 [-0.08; 0.15]	14.9 [10.9; 20.3]	12.4 [9.1; 17.1]	1.06 [1.00; 1.13]	1.03 [0.94; 1.13]	-0.03 [-0.13; 0.07]				
State of Palestine¶	1.11 [1.05; 1.18]	1.19 [1.10; 1.29]	0.08 [-0.03; 0.19]	16.1 [11.6; 22.3]	13.5 [9.8; 18.9]	1.08 [1.02; 1.15]*	1.03 [0.95; 1.12]	-0.05 [-0.15; 0.05]				
Sudan	1.13 [1.08; 1.18]	1.20 [1.12; 1.29]	0.07 [-0.02; 0.16]	59.7 [40.6; 87.8]	49.8 [33.7; 73.5]	0.98 [0.93; 1.02]	0.98 [0.91; 1.05]	0.00 [-0.08; 0.08]				
Suriname	1.23 [1.14; 1.35]	1.27 [1.15; 1.40]	0.04	19.1 [12.1; 30.8]	15.1 [9.5; 24.6]	0.99 [0.90; 1.07]	0.98 [0.88; 1.07]	-0.01 [-0.11; 0.09]				
¶: Sex ratio is outlying in 1990. §: Sex							Change is significa					

Table 14 - continued from previous page Sex ratio U5MR Sex-specific U5MR in 2021 (per 1,000) Estimated/Expected female U5MR										
	1990	Sex ratio U5M				1990				
		2021	Change 1990–2021	Male	Female		2021	Change 1990–2021		
Eswatini	1.20	1.21	0.00	57.4	47.6	0.97	0.99	0.02		
	[1.13; 1.28]	[1.11; 1.30]	[-0.11; 0.10]	[34.8; 93.0]	[29.0; 78.6] 2.2	[0.91; 1.04]	[0.91; 1.08]	[-0.07; 0.12]		
Sweden	1.24 [1.20; 1.29]	1.19 [1.13; 1.26]	-0.05 [-0.13; 0.03]	2.7 [2.5; 2.9]	[2.1; 2.4]	0.97	0.99 [0.94; 1.05]	0.03 [-0.03; 0.09]		
	1.27	1.18	-0.09	4.1	3.5	0.95	1.01	0.05		
Switzerland	[1.22; 1.31]	[1.11; 1.24]	[-0.17; -0.01]†	[3.9; 4.4]	[3.3; 3.8]	[0.92; 0.99]*	[0.95; 1.07]	[-0.01; 0.12]		
Syria	1.17	1.21	0.04	24.3	20.1	1.05	1.01	-0.04		
- Syrin	[1.11; 1.23]	[1.11; 1.32]	[-0.07; 0.16]	[12.6; 33.9]	[10.4; 27.9]	[0.99; 1.11]	[0.93; 1.10]	[-0.13; 0.06]		
Tajikistan	1.17 [1.10; 1.24]	1.28 [1.18; 1.40]	0.11 [0.00; 0.24]†	35.1 [20.7; 60.9]	27.4 [16.0; 47.6]	0.98 [0.92; 1.04]	0.96 [0.88; 1.05]	-0.02 [-0.11; 0.07]		
	1.08	1.17	0.09	50.7	43.4	1.01	1.01	0.00		
Tanzania	[1.04; 1.12]	[1.09; 1.25]	[0.01; 0.18]†	[34.4; 76.0]	[29.4; 64.7]	[0.97; 1.05]	[0.94; 1.09]	[-0.08; 0.09]		
Thailand	1.23	1.22	-0.01	9.1	7.4	0.99	0.99	0.00		
Thuman	[1.16; 1.32]	[1.11; 1.34]	[-0.13; 0.10]	[7.6; 12.0]	[6.2; 9.8]	[0.93; 1.06]	[0.91; 1.09]	[-0.09; 0.10]		
Timor Leste	1.08 [1.02; 1.15]	1.18 [1.09; 1.29]	0.10	54.6 [35.8; 82.4]	46.2 [30.2; 69.7]	1.02 [0.96; 1.09]	1.02 [0.93; 1.11]	0.00 [-0.10; 0.10]		
_	1.13	1.18	0.04	67.5	57.4	0.97	0.99	0.02		
Togo	[1.09; 1.18]	[1.10; 1.25]	[-0.04; 0.13]	[50.6; 89.4]	[43.1; 76.5]	[0.93; 1.01]	[0.92; 1.06]	[-0.06; 0.10]		
Tonga	1.28	1.27	-0.01	12.4	9.8	0.97	0.96	0.00		
Tonga	[1.16; 1.40]	[1.16; 1.38]	[-0.14; 0.12]	[6.7; 21.7]	[5.2; 17.1]	[0.89; 1.06]	[0.88; 1.05]	[-0.10; 0.09]		
Trinidad and Tobago	1.18	1.21 [1.10; 1.34]	0.03	17.8 [7.3; 45.3]	14.7 [6.0; 37.5]	1.04 [0.96; 1.14]	1.02 [0.92; 1.12]	-0.03 [-0.14; 0.08]		
	1.13	1.19	0.05	17.7	14.9	1.05	1.04	-0.01		
Tunisia	[1.07; 1.20]	[1.13; 1.25]	[-0.03; 0.14]	[14.9; 20.9]	[12.5; 17.7]	[0.99; 1.11]	[0.99; 1.10]	[-0.09; 0.07]		
Turkey¶	1.07	1.14	0.07	9.6	8.4	1.09	1.06	-0.02		
Turkey	[1.03; 1.12]	[1.10; 1.19]	[0.01; 0.14]†	[8.2; 11.3]	[7.2; 9.9]	[1.04; 1.14]*	[1.02; 1.10]*	[-0.09; 0.04]		
Turkmenistan¶	1.28	1.32	0.04	47.0	35.5	0.91	0.92	0.02		
	[1.19; 1.40] 1.48	[1.20; 1.46]	[-0.09; 0.17] -0.35	[30.7; 70.9] 4.8	[23.1; 54.0]	[0.83; 0.99]*	[0.83; 1.02] 1.05	[-0.08; 0.11]		
Turks and Caicos Islands ¶	[1.40; 1.56]	[1.06; 1.21]	[-0.45; -0.24]†	[2.8; 8.1]	[2.5; 7.2]	[0.79; 0.88]*	[0.99; 1.13]	[0.14; 0.30]†		
Tuvalu	1.18	1.23	0.05	23.3	19.0	1.01	1.01	-0.01		
Tuvalu	[1.08; 1.28]	[1.12; 1.34]	[-0.07; 0.17]	[13.0; 41.0]	[10.7; 33.6]	[0.93; 1.12]	[0.92; 1.10]	[-0.11; 0.09]		
Uganda¶	1.14 [1.10; 1.18]	1.24 [1.16; 1.33]	0.10	46.5	37.5 [26.1; 53.2]	0.95 [0.91; 0.98]*	0.96 [0.89; 1.03]	0.02 [-0.06; 0.09]		
	1.24	1.21	-0.03	[32.4; 66.3] 9.0	7.4	1.00	1.00	0.00		
Ukraine	[1.14; 1.36]	[1.10; 1.34]	[-0.16; 0.09]	[8.4; 9.6]	[6.9; 8.0]	[0.91; 1.09]	[0.91; 1.10]	[-0.10; 0.10]		
United Arab Emirates	1.28	1.22	-0.06	7.0	5.7	0.97	0.98	0.02		
Office Arab Emirates	[1.19; 1.38]	[1.13; 1.31]	[-0.18; 0.05]	[5.9; 8.2]	[4.9; 6.8]	[0.90; 1.04]	[0.91; 1.06]	[-0.07; 0.11]		
United Kingdom	1.29 [1.26; 1.31]	1.20 [1.15; 1.25]	-0.09 [-0.14; -0.03]†	4.6 [4.3; 4.8]	3.8 [3.6; 4.0]	0.95 [0.93; 0.96]*	0.99 [0.95; 1.03]	0.04 [0.00; 0.09]†		
	1.25	1.20	-0.05	6.8	5.7	0.93; 0.96]*	0.99	0.02		
United States of America	[1.24; 1.27]	[1.16; 1.25]	[-0.09; -0.01]†	[6.4; 7.2]	[5.3; 6.0]	[0.96; 0.99]*	[0.96; 1.03]	[-0.02; 0.05]		
Uruguay	1.24	1.22	-0.02	6.4	5.2	1.00	0.98	-0.02		
Oruguay	[1.20; 1.28]	[1.15; 1.29]	[-0.10; 0.06]	[5.8; 7.0]	[4.7; 5.8]	[0.97; 1.03]	[0.92; 1.04]	[-0.08; 0.04]		
Uzbekistan¶	1.28	1.30	0.02	15.9	12.2 [10.9; 14.0]	0.92 [0.86; 0.98]*	0.95 [0.86; 1.04]	0.03 [-0.06; 0.12]		
	[1.20; 1.37] 1.17	[1.19; 1.44] 1.18	0.01	[14.3; 18.2] 25.1	21.3	1.05	1.05	0.00		
Vanuatu	[1.05; 1.28]	[1.06; 1.29]	[-0.11; 0.12]	[14.1; 45.0]	[12.0; 38.4]	[0.95; 1.17]	[0.95; 1.17]	[-0.10; 0.11]		
Venezuela (Bolivarian Republic of)	1.22	1.18	-0.04	26.1	22.1	1.01	1.00	-0.01		
renezueia (Bonvarian republic 01)	[1.20; 1.24]	[1.11; 1.25]	[-0.11; 0.03]	[19.2; 35.6]	[16.3; 30.2]	[0.99; 1.03]	[0.94; 1.06]	[-0.07; 0.05]		
Vietnam¶§	1.37 [1.30; 1.45]	1.42 [1.33; 1.51]	0.05	24.1 [21.3; 27.3]	17.0 [15.0; 19.3]	0.85 [0.80; 0.90]*	0.87 [0.81; 0.93]*	0.02 [-0.05; 0.08]		
	1.09	1.14	0.05	66.3	58.0	1.03	1.02	0.00		
Yemen	[1.05; 1.13]	[1.06; 1.23]	[-0.04; 0.15]	[29.5; 141.0]	[25.6; 122.5]	[0.99; 1.06]	[0.94; 1.12]	[-0.09; 0.10]		
Zambia	1.10	1.19	0.09	62.5	52.6	0.99	0.98	-0.01		
Zumoru	[1.06; 1.13]	[1.11; 1.27]	[0.01; 0.18]†	[44.4; 87.3]	[37.4; 73.7]	[0.96; 1.02]	[0.91; 1.05]	[-0.08; 0.07]		
Zimbabwe	1.18	1.21	0.02	54.0	44.8	0.96	0.98	0.02 [-0.06; 0.10]		
	[1.13; 1.24]	[1.13; 1.29]	[-0.07; 0.11]	[37.1; 78.4]	[30.8; 65.2]	[0.91; 1.01]	[0.91; 1.05]	[-0.00; 0.10]		

Table 15: Estimates and 90% uncertainty intervals for sex ratios for 5q5 in 1990 and 2021, the change in sex ratios from 1990 to 2021, sex-specific 5q5 in 2021, and ratios of estimated to expected female 5q5 and their change from 1990 to 2021 for the world, UNICEF regions, and all countries. ¶: Sex ratio is outlying in 1990. §: Sex ratio is outlying in 2021. *: The ratio of estimated to expected female mortality is significantly different from one. †: Change is significantly different from zero.

		Sex ratio 5q5			q5 in 2021 (per 1,000)		stimated/Expected	
	1990	2021	Change 1990–2021	Male	Female	1990	2021	Change 1990–2021
World	1.04	1.13	0.08	3.7	3.3	1.04	1.02	-0.03
	[1.01; 1.07] 0.92	[1.07; 1.17] 1.23	[0.03; 0.12]† 0.31	[3.5; 3.9]	[3.1; 3.5]	[1.01; 1.07]* 1.13	[0.97; 1.06]	[-0.06; 0.03] 0.00
South Asia¶	[0.87; 0.98]	[1.10; 1.37]	[0.16; 0.47]†	[2.1; 2.7]	[1.7; 2.2]	[1.06; 1.21]*	[1.00; 1.27]*	[-0.15; 0.16]
Europe and Central Asia	1.41 [1.35; 1.46]	1.31 [1.27; 1.35]	-0.10 [-0.17; -0.03]†	0.7 [0.7; 0.8]	0.6 [0.6; 0.6]	0.93 [0.89; 0.97]*	1.03 [1.00; 1.06]*	0.10 [0.05; 0.16]†
Middle East and North Africa	1.15 [1.09; 1.20]	1.35 [1.25; 1.45]	0.20 [0.08; 0.32]†	2.3 [2.0; 2.5]	1.7 [1.5; 1.9]	0.99 [0.94; 1.05]	1.02 [0.94; 1.11]	0.03 [-0.07; 0.13]
Sub-Saharan Africa	1.07 [1.03; 1.12]	1.09 [1.02; 1.14]	0.01 [-0.07; 0.08]	9.9 [9.1; 10.6]	9.1 [8.4; 9.7]	0.99 [0.95; 1.02]	0.99 [0.94; 1.05]	0.00 [-0.06; 0.09]
Latin America and Caribbean	1.25	1.24	-0.01	1.3	1.1	1.04	1.09	0.05
East Asia and Pacific	[1.22; 1.29] 1.17	[1.17; 1.31] 1.41	[-0.09; 0.07] 0.24	[1.3; 1.4] 1.6	[1.0; 1.2] 1.1	[1.01; 1.07]* 1.01	[1.02; 1.15]* 0.98	[-0.03; 0.12] -0.04
	[1.10; 1.25] 1.36	[1.27; 1.56] 1.19	[0.07; 0.42]†	[1.3; 1.8] 0.6	[1.0; 1.3]	[0.93; 1.09]	[0.88; 1.08]	[-0.17; 0.10] 0.05
North America	[1.32; 1.41]	[1.10; 1.29] 1.49	[-0.27; -0.06]† 0.44	[0.6; 0.6]	[0.5; 0.5]	[0.99; 1.07] 1.00	[1.00; 1.17]* 0.97	[-0.04; 0.15] -0.03
Afghanistan	[0.92; 1.19]	[1.19; 1.84]	[0.09; 0.84]†	[1.9; 3.4]	[1.3; 2.3]	[0.88; 1.15]	[0.78; 1.21]	[-0.28; 0.25]
Albania	1.37 [1.26; 1.49]	1.09 [0.90; 1.31]	-0.28 [-0.51; -0.03]†	0.9 [0.8; 1.0]	0.8 [0.7; 0.9]	0.98 [0.90; 1.07]	1.24 [1.04; 1.48]*	0.26 [0.03; 0.53]†
Algeria	1.33 [1.21; 1.45]	1.17 [1.08; 1.27]	-0.15 [-0.31; 0.00]†	1.5 [1.5; 1.6]	1.3 [1.2; 1.4]	0.91 [0.82; 1.02]	1.21 [1.11; 1.31]*	0.30 [0.16; 0.43]†
Andorra	1.43 [1.26; 1.62]	1.30 [1.02; 1.65]	-0.13 [-0.49; 0.28]	0.4	0.3	0.99 [0.87; 1.12]	0.98 [0.77; 1.24]	-0.01 [-0.27; 0.29]
Angola	1.03	1.10	0.07	9.9	9.0	1.00	0.97	-0.03
Anguilla	[0.91; 1.17] 1.42	[0.88; 1.38] 1.27	[-0.21; 0.39] -0.15	[7.5; 12.9] 0.5	[6.8; 11.8] 0.4	[0.88; 1.13]	[0.76; 1.25]	[-0.29; 0.29] 0.00
	[1.25; 1.61]	[1.00; 1.62] 1.39	[-0.51; 0.26] -0.03	[0.4; 0.7] 0.7	[0.3; 0.5]	[0.88; 1.13] 0.99	[0.79; 1.27] 0.95	[-0.26; 0.31] -0.04
Antigua and Barbuda	[1.25; 1.61]	[1.09; 1.76]	[-0.41; 0.39] -0.23	[0.6; 0.9]	[0.4; 0.7] 0.6	[0.88; 1.12]	[0.76; 1.20]	[-0.28; 0.24]
Argentina	1.38 [1.31; 1.46]	1.16 [1.05; 1.27]	[-0.36; -0.09]†	[0.6; 0.7]	[0.5; 0.6]	[0.98; 1.09]	1.13 [1.03; 1.24]*	0.10 [-0.02; 0.22]
Armenia	1.44 [1.31; 1.58]	1.29 [1.09; 1.53]	-0.15 [-0.41; 0.14]	1.1 [0.9; 1.2]	0.8 [0.7; 0.9]	1.00 [0.91; 1.10]	1.07 [0.91; 1.26]	0.07 [-0.13; 0.29]
Australia	1.38 [1.28; 1.48]	1.27 [1.12; 1.45]	-0.11 [-0.29; 0.10]	0.4	0.3 [0.3; 0.3]	1.00 [0.93; 1.07]	1.00 [0.87; 1.13]	0.00 [-0.15; 0.16]
Austria	1.37	1.15	-0.22	0.3	0.3	1.00	1.10	0.10
Azerbaijan	[1.25; 1.51] 1.30	[0.97; 1.35] 1.29	[-0.46; 0.04] -0.01	[0.3; 0.4]	[0.3; 0.3]	[0.92; 1.10] 1.06	[0.94; 1.31] 1.10	[-0.10; 0.33] 0.04
Bahamas	[1.22; 1.39]	[1.16; 1.44] 1.35	[-0.17; 0.16] -0.09	[1.6; 1.8] 1.1	[1.2; 1.4] 0.8	[0.98; 1.15]	[0.99; 1.23]	[-0.11; 0.19] 0.02
	[1.26; 1.62] 1.44	[1.07; 1.70] 1.33	[-0.45; 0.33] -0.11	[0.8; 1.5] 1.0	[0.6; 1.1] 0.7	[0.88; 1.14] 1.00	[0.82; 1.28]	[-0.24; 0.32] 0.02
Bahrain	[1.28; 1.63]	[1.12; 1.57]	[-0.40; 0.19] 0.49	[0.8; 1.2] 2.9	[0.6; 0.9]	[0.89; 1.12] 1.05	[0.87; 1.21] 0.99	[-0.18; 0.24]
Bangladesh	0.98 [0.89; 1.08]	1.46 [1.24; 1.72]	[0.24; 0.76]†	[2.6; 3.2]	[1.7; 2.3]	[0.95; 1.16]	[0.84; 1.16]	-0.06 [-0.26; 0.15]
Barbados	1.43 [1.26; 1.62]	1.28 [1.00; 1.64]	-0.15 [-0.50; 0.27]	0.5 [0.3; 0.9]	0.4 [0.2; 0.7]	0.99 [0.88; 1.12]	1.00 [0.79; 1.28]	0.01 [-0.26; 0.32]
Belarus	1.66 [1.55; 1.78]	1.33 [1.13; 1.57]	-0.33 [-0.56; -0.07]†	0.6	0.4 [0.4; 0.5]	0.87 [0.81; 0.94]*	0.96 [0.83; 1.12]	0.09 [-0.06; 0.26]
Belgium	1.33	1.29	-0.04 [-0.27; 0.20]	0.4	0.3	1.04	0.99	-0.06
Belize	[1.22; 1.46] 1.44	[1.11; 1.50] 1.32	-0.12	1.4	[0.3; 0.3]	1.00	[0.85; 1.15] 1.07	[-0.23; 0.13] 0.06
	[1.27; 1.63] 1.03	[1.05; 1.67] 1.05	[-0.47; 0.28] 0.02	[1.1; 1.7]	[0.8; 1.3]	[0.88; 1.14] 1.01	[0.85; 1.33]	[-0.20; 0.37] -0.02
Benin	[0.92; 1.16]	[0.87; 1.28]	[-0.22; 0.28] 0.43	[9.4; 15.4] 3.0	[8.9; 14.7] 2.1	[0.91; 1.12] 1.00	[0.81; 1.21] 0.95	[-0.24; 0.24] -0.06
Bhutan	[0.91; 1.18]	[1.16; 1.86]	[0.07; 0.86]†	[1.1; 6.3]	[0.8; 4.3]	[0.88; 1.16]	[0.71; 1.22]	[-0.37; 0.25]
Bolivia (Plurinational State of)	1.09 [0.96; 1.23]	1.42 [1.12; 1.81]	0.33 [-0.02; 0.75]	2.4 [1.3; 3.5]	1.7 [0.9; 2.5]	1.03 [0.90; 1.19]	1.01 [0.79; 1.28]	-0.02 [-0.31; 0.29]
Bosnia and Herzegovina	1.51 [1.35; 1.69]	1.31 [1.12; 1.54]	-0.20 [-0.48; 0.09]	0.6 [0.5; 0.7]	0.4 [0.4; 0.5]	0.94 [0.84; 1.05]	0.98 [0.84; 1.14]	0.04 [-0.15; 0.24]
Botswana	1.04 [0.91; 1.18]	1.43 [1.14; 1.80]	0.39 [0.05; 0.80]†	4.7 [2.9; 6.6]	3.3 [2.0; 4.7]	1.00 [0.88; 1.14]	0.92 [0.70; 1.20]	-0.08 [-0.36; 0.24]
Brazil	1.43	1.28	-0.15 [-0.39; 0.10]	1.0	0.8	1.01	1.07	0.06 [-0.12; 0.25]
British Virgin Islands	[1.30; 1.58]	[1.11; 1.48] 1.38	-0.05	[1.0; 1.1]	[0.7; 0.9]	[0.92; 1.11]	[0.93; 1.23]	0.00
Brunei	[1.26; 1.62] 1.46	[1.08; 1.77] 1.36	[-0.41; 0.39] -0.10	[0.9; 1.5]	[0.6; 1.1] 0.9	[0.88; 1.13] 0.99	[0.78; 1.26] 1.02	[-0.26; 0.29] 0.04
	[1.29; 1.65] 1.43	[1.08; 1.72] 1.23	[-0.46; 0.32] -0.20	[0.9; 1.5] 0.8	[0.7; 1.1] 0.7	[0.88; 1.12] 1.01	[0.81; 1.28] 1.09	[-0.23; 0.33] 0.08
Bulgaria	[1.33; 1.54]	[1.07; 1.43]	[-0.41; 0.02]	[0.7; 0.9]	[0.6; 0.7]	[0.94; 1.08]	[0.94; 1.25]	[-0.09; 0.26]
Burkina Faso	1.07 [0.96; 1.19]	1.10 [0.88; 1.37]	0.03 [-0.24; 0.34]	11.9 [7.4; 15.5]	10.8 [6.7; 14.2]	0.98 [0.88; 1.08]	0.96 [0.76; 1.22]	-0.02 [-0.26; 0.28]
Burundi	1.07 [0.94; 1.22]	1.07 [0.87; 1.32]	0.00 [-0.27; 0.30]	11.4 [8.0; 14.8]	10.6 [7.4; 13.9]	1.01 [0.90; 1.14]	0.98 [0.79; 1.24]	-0.03 [-0.27; 0.26]
Cambodia	0.99 [0.88; 1.11]	1.49 [1.17; 1.88]	0.50 [0.14; 0.92]†	3.2 [1.6; 4.6]	2.2 [1.1; 3.1]	1.04 [0.93; 1.16]	0.95 [0.74; 1.22]	-0.09 [-0.36; 0.22]
Cameroon	1.03	1.15	0.12	14.2	12.3	1.00	0.90	-0.10
Canada	[0.92; 1.16]	[0.94; 1.40] 1.14	[-0.14; 0.41] -0.17	[10.4; 17.8] 0.4	[9.0; 15.5] 0.3	[0.89; 1.12] 1.06	[0.73; 1.11] 1.11	[-0.31; 0.15] 0.05
¶: Sex ratio is outlying in 1990. §: Se:	[1.22; 1.40]	[1.01; 1.29]	[-0.32; 0.00]	[0.3; 0.4]	[0.3; 0.4]	[0.99; 1.13]	[0.99; 1.26]	[-0.10; 0.21]

	Table 15 – continued from previous page Sex ratio 5q5 Sex-specific 5q5 in 2021 (per 1,000) Estimated/Expected female 5q5									
	1990	2021	Change	Male Male	Female	1990	2021	Change		
Cape Verde	1.40	1.08	1990–2021 -0.32	0.9	0.8	0.99	1.25	1990–2021 0.25		
Central African Republic	[1.24; 1.58] 1.04	[0.89; 1.32] 0.93	[-0.59; -0.02]† -0.11	[0.7; 1.1] 12.6	[0.7; 1.0] 13.5	[0.87; 1.14] 0.99	[1.03; 1.50]* 1.12	[-0.02; 0.54] 0.13		
•	[0.92; 1.17] 1.06	[0.75; 1.16] 1.03	[-0.35; 0.16] -0.04	[8.5; 17.0] 12.5	[9.1; 18.2] 12.2	[0.88; 1.11] 1.00	[0.89; 1.43]	[-0.14; 0.48] 0.01		
Chad	[0.95; 1.20] 1.43	[0.85; 1.24] 1.20	[-0.27; 0.21] -0.23	[9.2; 16.2] 0.6	[9.0; 15.8] 0.5	[0.90; 1.12] 1.00	[0.84; 1.24]	[-0.21; 0.28] 0.07		
Chile	[1.34; 1.52]	[1.04; 1.37]	[-0.42; -0.03]† 0.23	[0.6; 0.6]	[0.5; 0.5] 0.7	[0.94; 1.07]	[0.94; 1.22]	[-0.08; 0.24] -0.10		
China	[1.14; 1.46]	[1.22; 1.88]	[-0.14; 0.65]	[0.7; 1.4]	[0.5; 0.9]	[0.86; 1.16]	[0.73; 1.11]	[-0.35; 0.17]		
Colombia	1.43 [1.28; 1.60]	1.33 [1.14; 1.54]	-0.10 [-0.36; 0.17]	1.2 [1.1; 1.2]	0.9 [0.8; 1.0]	1.01 [0.91; 1.13]	1.04 [0.91; 1.21]	0.03 [-0.16; 0.23]		
Comoros	1.01 [0.89; 1.14]	1.27 [1.01; 1.60]	0.27 [-0.05; 0.63]	4.0 [2.5; 5.5]	3.2 [1.9; 4.3]	1.04 [0.91; 1.19]	1.08 [0.82; 1.39]	0.04 [-0.27; 0.39]		
Congo	1.03 [0.91; 1.17]	1.39 [1.09; 1.75]	0.36 [0.02; 0.76]†	4.0 [2.1; 6.2]	2.9 [1.5; 4.5]	1.00 [0.89; 1.14]	0.98 [0.75; 1.28]	-0.02 [-0.32; 0.31]		
Democratic Republic of the Congo	1.04 [0.91; 1.18]	1.03 [0.84; 1.27]	0.00 [-0.26; 0.28]	11.0 [7.4; 14.8]	10.7 [7.1; 14.3]	1.00 [0.88; 1.13]	1.02 [0.82; 1.29]	0.02 [-0.23; 0.33]		
Cook Islands	1.46 [1.29; 1.66]	1.38 [1.08; 1.77]	-0.08 [-0.46; 0.37]	1.0 [0.8; 1.4]	0.7 [0.6; 1.0]	0.97 [0.85; 1.11]	0.99 [0.78; 1.25]	0.02 [-0.26; 0.33]		
Costa Rica	1.34 [1.21; 1.49]	1.23	-0.11 [-0.36; 0.17]	0.8	0.6	1.06 [0.96; 1.18]	1.08	0.02 [-0.19; 0.24]		
Cote d'Ivoire	1.05	0.96	-0.08	13.2	13.7	0.98	1.07	0.10		
Croatia	[0.93; 1.18]	[0.78; 1.20]	[-0.32; 0.19] -0.06	[9.3; 17.6]	[9.7; 18.4] 0.6	[0.87; 1.10]	[0.86; 1.35]	[-0.16; 0.41] -0.02		
Cuba	[1.29; 1.56] 1.45	[1.14; 1.64] 1.27	[-0.33; 0.26] -0.18	[0.7; 0.9] 0.9	[0.5; 0.7] 0.7	[0.91; 1.10] 0.99	[0.82; 1.17] 1.07	[-0.22; 0.19] 0.08		
	[1.34; 1.58] 1.39	[1.11; 1.45] 1.24	[-0.39; 0.04] -0.15	[0.9; 1.0] 0.6	[0.7; 0.8]	[0.91; 1.07] 1.00	[0.94; 1.21] 1.04	[-0.08; 0.24] 0.04		
Cyprus	[1.23; 1.57] 1.46	[0.98; 1.57] 1.11	[-0.49; 0.24] -0.35	[0.5; 0.8]	[0.4; 0.6] 0.4	[0.89; 1.13] 0.97	[0.83; 1.30]	[-0.23; 0.34] 0.17		
Czech Republic	[1.35; 1.59] 1.42	[0.96; 1.29] 1.17	[-0.55; -0.13]† -0.25	[0.4; 0.5]	[0.3; 0.4]	[0.89; 1.05] 0.97	[0.98; 1.32] 1.08	[-0.02; 0.37] 0.12		
Denmark	[1.28; 1.58]	[0.97; 1.40]	[-0.52; 0.04]	[0.3; 0.4]	[0.2; 0.3]	[0.88; 1.07]	[0.90; 1.30]	[-0.10; 0.37]		
Djibouti	1.03 [0.91; 1.17]	1.12 [0.87; 1.44]	0.09 [-0.21; 0.44]	7.7 [5.8; 10.1]	[5.2; 9.1]	1.00 [0.88; 1.13]	[0.76; 1.35]	0.01 [-0.29; 0.38]		
Dominica	1.46 [1.29; 1.65]	1.42 [1.11; 1.80]	-0.04 [-0.42; 0.39]	1.7 [0.9; 2.6]	1.2 [0.6; 1.9]	0.98 [0.87; 1.11]	1.00 [0.79; 1.27]	0.02 [-0.24; 0.32]		
Dominican Republic	1.29 [1.14; 1.46]	1.43 [1.13; 1.79]	0.14 [-0.22; 0.55]	1.8 [1.2; 2.6]	1.3 [0.8; 1.8]	1.02 [0.88; 1.17]	1.00 [0.80; 1.26]	-0.02 [-0.29; 0.29]		
Ecuador	1.25 [1.17; 1.33]	1.23 [1.11; 1.36]	-0.02 [-0.17; 0.13]	1.2 [1.1; 1.2]	0.9 [0.9; 1.0]	1.09 [1.01; 1.17]*	1.13 [1.03; 1.25]*	0.04 [-0.09; 0.18]		
Egypt	1.16 [1.06; 1.28]	1.52 [1.30; 1.79]	0.36 [0.11; 0.65]†	2.5 [2.4; 2.7]	1.7 [1.5; 1.8]	1.03 [0.92; 1.14]	0.95 [0.81; 1.11]	-0.07 [-0.26; 0.12]		
El Salvador	1.33 [1.23; 1.44]	1.27	-0.06 [-0.27; 0.17]	1.4	1.1 [1.0; 1.2]	1.06 [0.98; 1.16]	1.11 [0.96; 1.28]	0.05 [-0.13; 0.24]		
Equatorial Guinea	1.03	1.07 [0.84; 1.38]	0.05	9.3 [7.0; 12.2]	8.7 [6.5; 11.4]	1.00 [0.88; 1.13]	1.00	0.00		
Eritrea	1.06	1.44	0.38	4.1	2.8	0.98	0.94	-0.04		
Estonia	[0.94; 1.20] 1.47	[1.14; 1.84] 1.20	[0.04; 0.80]†	0.5	[1.5; 4.4]	[0.88; 1.10] 0.99	[0.70; 1.22] 1.06	[-0.32; 0.27] 0.07		
Ethiopia	[1.32; 1.63] 1.14	[0.98; 1.47] 1.37	[-0.56; 0.06] 0.23	[0.4; 0.6] 4.8	[0.3; 0.5]	[0.89; 1.10] 0.98	[0.87; 1.29] 0.96	[-0.16; 0.33] -0.02		
Federated States of Micronesia	[1.00; 1.30] 1.23	[1.09; 1.71] 1.43	[-0.11; 0.61] 0.20	[3.1; 6.4] 3.3	[2.3; 4.7] 2.3	[0.87; 1.09] 1.00	[0.74; 1.25] 0.99	[-0.28; 0.30] 0.00		
	[1.08; 1.39] 1.15	[1.11; 1.83] 1.43	[-0.18; 0.64] 0.28	[2.5; 4.3] 2.5	[1.7; 3.1] 1.8	[0.85; 1.18] 1.01	[0.76; 1.29] 1.02	[-0.30; 0.34] 0.00		
Fiji	[1.01; 1.30] 1.39	[1.20; 1.70] 1.06	[-0.01; 0.59] -0.33	[2.2; 2.9] 0.3	[1.5; 2.1] 0.3	[0.88; 1.18] 0.99	[0.86; 1.20] 1.19	[-0.24; 0.25] 0.20		
Finland	[1.26; 1.54] 1.32	[0.89; 1.28]	[-0.57; -0.06]† 0.00	[0.3; 0.4]	[0.3; 0.3]	[0.90; 1.09] 1.05	[0.99; 1.43]	[-0.04; 0.46] -0.08		
France	[1.25; 1.39]	1.32 [1.18; 1.47]	[-0.16; 0.17]	[0.4; 0.4]	[0.3; 0.3]	[0.99; 1.11]	[0.86; 1.08]	[-0.21; 0.04]		
Gabon	1.08 [0.95; 1.22]	1.24 [0.98; 1.58]	0.17 [-0.15; 0.54]	5.6 [2.3; 9.9]	4.5 [1.8; 8.0]	0.99 [0.86; 1.17]	1.01 [0.73; 1.37]	0.02 [-0.33; 0.42]		
The Gambia	1.03 [0.91; 1.17]	1.23 [0.99; 1.53]	0.20 [-0.10; 0.54]	5.8 [4.5; 7.6]	4.7 [3.6; 6.2]	1.00 [0.88; 1.13]	1.00 [0.77; 1.29]	0.00 [-0.28; 0.33]		
Georgia	1.45 [1.30; 1.61]	1.34 [1.12; 1.62]	-0.10 [-0.40; 0.23]	0.9 [0.8; 1.0]	0.7 [0.6; 0.8]	1.00 [0.89; 1.11]	1.01 [0.84; 1.20]	0.01 [-0.20; 0.24]		
Germany	1.33 [1.26; 1.40]	1.29 [1.17; 1.42]	-0.04 [-0.18; 0.10]	0.4 [0.4; 0.4]	0.3 [0.3; 0.3]	1.04 [0.99; 1.10]	0.99 [0.89; 1.09]	-0.05 [-0.16; 0.06]		
Ghana	1.09 [0.97; 1.22]	1.16 [0.94; 1.43]	0.07 [-0.20; 0.38]	6.0 [4.5; 7.7]	5.2 [3.9; 6.6]	0.94 [0.84; 1.06]	1.05	0.10 [-0.17; 0.44]		
Greece	1.32	1.34 [1.14; 1.58]	0.02	0.4	0.3	1.04 [0.96; 1.13]	0.95	-0.09 [-0.27; 0.10]		
Grenada	1.43	1.46	0.02	2.1	1.4	1.00	0.99	-0.01		
Guatemala¶	[1.26; 1.62]	[1.14; 1.84]	[-0.37; 0.46]	[1.4; 2.9]	[1.0; 2.1]	[0.87; 1.14]	[0.78; 1.26]	[-0.28; 0.30] 0.07		
Guinea	[0.93; 1.01] 1.03	[1.01; 1.28] 1.02	[0.04; 0.32]† -0.01	[1.4; 1.6] 12.0	[1.3; 1.5] 11.9	[1.11; 1.25]* 1.02	[1.11; 1.40]* 1.03	[-0.08; 0.24] 0.01		
Guinea-Bissau	[0.91; 1.16] 1.08	[0.82; 1.25] 1.15	[-0.26; 0.27] 0.08	[8.7; 15.0] 8.1	[8.6; 14.8] 7.0	[0.91; 1.14] 0.99	[0.83; 1.29] 0.98	[-0.23; 0.31] -0.02		
	[0.94; 1.23]	[0.92; 1.44] 1.33	[-0.21; 0.40] -0.07	[4.6; 11.9] 2.2	[4.0; 10.4] 1.6	[0.87; 1.13] 1.03	[0.76; 1.30] 1.08	[-0.29; 0.31] 0.05		
Guyana	[1.25; 1.56] 1.02	[1.08; 1.65] 1.01	[-0.39; 0.30] -0.02	[1.7; 2.7] 6.8	[1.3; 2.1] 6.8	[0.92; 1.16] 1.00	[0.88; 1.33]	[-0.21; 0.33] 0.14		
Haiti	[0.91; 1.16]	[0.79; 1.27]	[-0.28; 0.29] 0.22	[4.5; 9.2] 2.1	[4.4; 9.2] 1.5	[0.89; 1.12]	[0.85; 1.53]	[-0.19; 0.55] 0.00		
Honduras	[1.04; 1.32]	[1.11; 1.75]	[-0.13; 0.62]	[1.3; 3.1]	[1.0; 2.3]	[0.89; 1.20]	[0.82; 1.29]	[-0.28; 0.32]		
Hungary	1.39 [1.28; 1.50]	1.24 [1.07; 1.46]	-0.14 [-0.36; 0.10]	0.5 [0.4; 0.5]	0.4 [0.3; 0.4]	1.02 [0.94; 1.10]	1.02 [0.87; 1.19]	0.00 [-0.17; 0.19]		
Iceland	1.40 [1.23; 1.58]	1.29 [1.02; 1.64]	-0.11 [-0.46; 0.29]	0.2 [0.1; 0.3]	0.2 [0.1; 0.2]	0.99 [0.88; 1.12]	0.98 [0.78; 1.24]	-0.01 [-0.26; 0.29]		
¶: Sex ratio is outlying in 1990. §: Sex	ratio is outlying it	a 2021. *: The rat	io of estimated to e	xpected female m	ortality is significantly di	fferent from one.	†: Change is signification	antly different from zero.		

		Sex ratio 5q5			q5 in 2021 (per 1,000)		stimated/Expected	
	1990	2021	Change 1990–2021	Male	Female	1990	2021	Change 1990–2021
India¶	0.90 [0.83; 0.97]	1.23 [1.05; 1.44]	0.33 [0.13; 0.54]†	1.9 [1.5; 2.2]	1.5 [1.2; 1.8]	1.15 [1.06; 1.25]*	1.16 [1.00; 1.36]	0.02 [-0.18; 0.23]
Indonesia	1.03	1.39	0.36	3.2	2.3	1.04	1.02	-0.02
Iran (Islamic Republic of)	[0.93; 1.15]	[1.13; 1.72] 1.29	[0.06; 0.71]† 0.24	[2.3; 4.1]	[1.6; 3.0]	[0.93; 1.17]	[0.82; 1.28]	[-0.27; 0.26] 0.12
-	[0.93; 1.19] 1.18	[1.08; 1.54] 1.37	[-0.03; 0.53] 0.19	[1.5; 1.9] 2.9	[1.2; 1.5]	[0.86; 1.14] 0.99	[0.93; 1.32] 1.05	[-0.13; 0.38] 0.06
Iraq	[1.04; 1.35] 1.48	[1.09; 1.72] 1.40	[-0.15; 0.59] -0.08	[1.9; 4.1] 0.3	[1.4; 3.0] 0.2	[0.85; 1.16] 0.94	[0.82; 1.32] 0.91	[-0.24; 0.38] -0.03
Ireland	[1.33; 1.64] 1.26	[1.19; 1.64] 1.36	[-0.35; 0.22] 0.10	[0.3; 0.4]	[0.2; 0.3]	[0.85; 1.03]	[0.77; 1.07] 0.93	[-0.20; 0.16] -0.17
Israel	[1.15; 1.37] 1.33	[1.18; 1.57] 1.20	[-0.12; 0.35]	[0.4; 0.5]	[0.3; 0.3]	[1.01; 1.20]*	[0.81; 1.08]	[-0.33; 0.01]
Italy	[1.25; 1.41]	[1.07; 1.35]	-0.13 [-0.29; 0.04]	0.3 [0.3; 0.3]	0.2 [0.2; 0.3]	1.03 [0.97; 1.09]	1.06 [0.94; 1.19]	0.03 [-0.11; 0.18]
Jamaica	1.45 [1.27; 1.64]	1.36 [1.06; 1.72]	-0.10 [-0.47; 0.33]	1.3 [1.0; 1.6]	0.9 [0.7; 1.2]	0.99 [0.88; 1.13]	1.03 [0.82; 1.30]	0.04 [-0.23; 0.34]
Japan	1.48 [1.41; 1.55]	1.19 [1.09; 1.30]	-0.29 [-0.41; -0.16]†	0.4 [0.3; 0.4]	0.3 [0.3; 0.3]	0.93 [0.89; 0.98]*	1.06 [0.97; 1.17]	0.13 [0.02; 0.25]†
Jordan	1.45 [1.28; 1.64]	1.41 [1.10; 1.80]	-0.04 [-0.42; 0.40]	1.6 [0.8; 2.3]	1.1 [0.6; 1.7]	0.98 [0.86; 1.12]	1.00 [0.79; 1.27]	0.02 [-0.25; 0.33]
Kazakhstan	1.66 [1.57; 1.76]	1.45 [1.34; 1.58]	-0.21 [-0.36; -0.06]†	1.4 [1.4; 1.5]	1.0 [0.9; 1.0]	0.84 [0.79; 0.89]*	0.97 [0.89; 1.05]	0.14 [0.04; 0.23]†
Kenya	1.07	1.16	0.09	5.3	4.6	0.97	1.10	0.13
Kiribati	[0.95; 1.20] 1.07	[0.93; 1.44] 1.24	[-0.20; 0.41] 0.18	[3.4; 7.3] 5.8	[2.9; 6.4] 4.6	[0.87; 1.10] 1.00	[0.84; 1.45] 0.99	[-0.18; 0.50] -0.01
Democratic People's Republic of	[0.94; 1.21] 1.27	[0.96; 1.57] 1.44	[-0.16; 0.55] 0.17	[4.4; 7.5]	[3.5; 6.2] 1.5	[0.87; 1.16] 1.00	[0.75; 1.34] 1.00	[-0.31; 0.36] 0.00
Korea	[1.12; 1.44] 1.43	[1.13; 1.83] 1.31	[-0.21; 0.61] -0.12	[1.6; 2.8] 0.4	[1.1; 2.0]	[0.85; 1.17] 1.01	[0.79; 1.27] 0.97	[-0.29; 0.32] -0.04
Republic of Korea	[1.29; 1.58]	[1.12; 1.52]	[-0.37; 0.14] 0.07	[0.4; 0.4]	[0.3; 0.3]	[0.91; 1.12]	[0.84; 1.13]	[-0.23; 0.16] 0.00
Kosovo	[1.16; 1.49]	[1.08; 1.76]	[-0.30; 0.50]	[0.9; 1.5]	[0.6; 1.1]	[0.85; 1.17]	[0.79; 1.27]	[-0.28; 0.32]
Kuwait	1.29 [1.16; 1.44]	1.35 [1.14; 1.60]	0.06 [-0.21; 0.35]	1.0 [0.9; 1.1]	0.7 [0.6; 0.8]	0.99 [0.89; 1.11]	1.01 [0.86; 1.18]	0.02 [-0.19; 0.23]
Kyrgyzstan	1.41 [1.31; 1.52]	1.67 [1.49; 1.86]	0.26 [0.04; 0.48]†	1.5 [1.4; 1.6]	0.9 [0.8; 1.0]	1.00 [0.92; 1.08]	0.85	-0.15 [-0.27; -0.02]†
Lao People's Democratic Republic	1.06 [0.94; 1.21]	1.43 [1.14; 1.78]	0.37 [0.02; 0.76]†	3.0 [1.8; 4.6]	2.1 [1.2; 3.2]	0.99 [0.87; 1.11]	0.99 [0.78; 1.26]	0.01 [-0.25; 0.31]
Latvia	1.63 [1.49; 1.79]	1.12 [0.92; 1.38]	-0.51 [-0.78; -0.21]†	0.5 [0.4; 0.6]	0.5 [0.4; 0.5]	0.86 [0.78; 0.95]*	1.13 [0.93; 1.37]	0.27 [0.04; 0.54]†
Lebanon	1.41 [1.25; 1.60]	1.40 [1.09; 1.78]	-0.01 [-0.39; 0.42]	1.2	0.8	1.00	0.99 [0.78; 1.26]	-0.01 [-0.28; 0.31]
Lesotho	1.06	1.26	0.19	5.0	4.0	1.01	1.03	0.01
Liberia	[0.94; 1.21]	[1.00; 1.57] 1.23	[-0.12; 0.55] 0.23	[3.5; 6.8]	[2.8; 5.4] 8.3	[0.88; 1.17]	[0.78; 1.34] 0.86	[-0.29; 0.37] -0.16
Libya	[0.89; 1.15] 1.27	[0.99; 1.55] 1.41	[-0.08; 0.57] 0.13	[7.2; 13.6] 1.4	[5.8; 11.2] 1.0	[0.90; 1.15] 0.98	[0.68; 1.11] 0.98	[-0.40; 0.14] 0.01
Lithuania	[1.13; 1.44] 1.58	[1.10; 1.80] 1.22	[-0.23; 0.56] -0.36	[0.4; 2.7]	[0.3; 1.9]	[0.82; 1.15] 0.92	[0.77; 1.25]	[-0.28; 0.32] 0.15
	[1.45; 1.72] 1.40	[1.02; 1.46] 1.28	[-0.62; -0.08]† -0.12	[0.6; 0.7]	[0.5; 0.6] 0.2	[0.84; 1.00]* 0.98	[0.90; 1.26] 0.99	[-0.04; 0.37] 0.01
Luxembourg	[1.24; 1.59] 1.43	[1.01; 1.63] 1.26	[-0.48; 0.28] -0.18	[0.1; 0.3]	[0.1; 0.2] 0.6	[0.87; 1.10] 1.00	[0.78; 1.26] 1.06	[-0.25; 0.31] 0.05
Macedonia	[1.28; 1.60]	[1.01; 1.56]	[-0.50; 0.18]	[0.6; 0.9]	[0.5; 0.7]	[0.90; 1.12]	[0.86; 1.30]	[-0.19; 0.33]
Madagascar	1.05 [0.94; 1.19]	1.02 [0.85; 1.22]	-0.04 [-0.26; 0.21]	13.3 [10.6; 16.2]	13.1 [10.5; 15.9]	0.98 [0.87; 1.09]	1.02 [0.85; 1.23]	0.04 [-0.18; 0.29]
Malawi	1.03 [0.92; 1.15]	1.22 [1.01; 1.46]	0.19 [-0.07; 0.47]	7.9 [6.3; 9.7]	6.5 [5.1; 8.0]	1.00 [0.90; 1.12]	0.92 [0.74; 1.14]	-0.09 [-0.31; 0.16]
Malaysia	1.39 [1.29; 1.50]	1.30 [1.19; 1.41]	-0.09 [-0.24; 0.07]	0.9 [0.8; 0.9]	0.7 [0.6; 0.7]	1.04 [0.97; 1.13]	1.04 [0.95; 1.13]	-0.01 [-0.13; 0.11]
Maldives	1.12 [0.99; 1.26]	1.26 [0.99; 1.58]	0.14 [-0.18; 0.50]	0.7	0.5	1.10 [0.96; 1.27]	1.04 [0.83; 1.30]	-0.06 [-0.34; 0.25]
Mali	1.05 [0.94; 1.17]	1.09 [0.89; 1.33]	0.04	13.5 [10.1; 17.0]	12.3 [9.2; 15.7]	0.99	0.95 [0.77; 1.17]	-0.04 [-0.25; 0.21]
Malta	1.39	1.31	-0.08	0.4	0.3	0.94	0.97	0.03
Marshall Islands	[1.23; 1.58] 1.24	[1.04; 1.66] 1.38	[-0.43; 0.33] 0.14	[0.2; 0.6] 3.8	[0.2; 0.4]	[0.82; 1.07] 1.00	[0.77; 1.23] 1.00	[-0.22; 0.32] 0.00
Mauritania	[1.10; 1.41] 1.03	[1.08; 1.78] 1.33	[-0.22; 0.58] 0.30	[2.9; 5.0] 5.3	[2.1; 3.7] 4.0	[0.85; 1.17] 1.01	[0.75; 1.31] 0.96	[-0.30; 0.35] -0.04
	[0.91; 1.16] 1.37	[1.07; 1.64] 1.34	[-0.01; 0.64] -0.02	[3.2; 6.9]	[2.4; 5.3]	[0.89; 1.14] 1.04	[0.75; 1.24] 1.00	[-0.31; 0.27] -0.04
Mauritius	[1.22; 1.53]	[1.07; 1.67] 1.25	[-0.36; 0.35] -0.02	[0.7; 1.1]	[0.5; 0.8]	[0.93; 1.17]	[0.81; 1.24] 1.11	[-0.28; 0.24] -0.03
Mexico	[1.22; 1.30]	[1.16; 1.34]	[-0.11; 0.09]	[1.1; 1.2]	[0.9; 1.0]	[1.11; 1.19]*	[1.03; 1.19]*	[-0.12; 0.05]
Republic of Moldova	1.59 [1.46; 1.73]	1.39 [1.17; 1.64]	-0.20 [-0.47; 0.10]	1.3 [1.1; 1.4]	0.9 [0.8; 1.0]	0.88 [0.80; 0.97]*	1.00 [0.85; 1.19]	0.13 [-0.06; 0.34]
Monaco	1.37 [1.20; 1.55]	1.27 [0.99; 1.63]	-0.09 [-0.45; 0.31]	0.4 [0.3; 0.5]	0.3 [0.2; 0.4]	1.00 [0.88; 1.13]	1.00 [0.78; 1.28]	0.00 [-0.26; 0.32]
Mongolia	1.16 [1.04; 1.30]	1.57 [1.33; 1.87]	0.41 [0.11; 0.74]†	1.7 [1.6; 1.9]	1.1 [1.0; 1.2]	0.99 [0.88; 1.13]	0.91 [0.76; 1.07]	-0.08 [-0.29; 0.12]
Montenegro	1.41 [1.25; 1.60]	1.31 [1.03; 1.65]	-0.10 [-0.46; 0.29]	0.4	0.3	1.00 [0.89; 1.13]	0.97 [0.77; 1.23]	-0.03 [-0.28; 0.26]
Montserrat	1.45 [1.28; 1.64]	1.51 [1.19; 1.91]	0.05 [-0.34; 0.52]	0.7	0.5	0.99	0.87	-0.11 [-0.35; 0.15]
Morocco	1.18	1.43	0.26	1.7	1.2	1.01	0.99	-0.02
Mozambique	[1.04; 1.33]	[1.14; 1.82]	[-0.09; 0.68]	[1.0; 2.4] 8.1	[0.7; 1.7] 6.9	[0.88; 1.17]	[0.78; 1.25] 0.97	[-0.30; 0.28] -0.03
Myanmar	[0.95; 1.24] 1.03	[0.93; 1.47] 1.47	[-0.23; 0.43] 0.44	[4.4; 11.7] 2.6	[3.7; 10.1] 1.8	[0.89; 1.13] 1.00	[0.74; 1.32] 0.97	[-0.31; 0.33] -0.03
•	[0.90; 1.17] 1.09	[1.17; 1.85] 1.13	[0.10; 0.86]† 0.04	[1.3; 4.2] 6.9	[0.9; 2.9] 6.1	[0.88; 1.14] 0.99	[0.76; 1.22] 1.04	[-0.30; 0.26] 0.06
Namibia	[0.96; 1.23]	[0.89; 1.41]	[-0.25; 0.37]	[4.4; 9.9]	[3.8; 8.9]	[0.86; 1.14]	[0.79; 1.40]	[-0.26; 0.44] cantly different from zero

	Table 15 - continued from previous page Sex ratio 5q5 Sex-specific 5q5 in 2021 (per 1,000) Estimated/Expected female 5q5							16
	1990	Sex ratio 5q5	Change	Male	q5 in 2021 (per 1,000) Female	1990	2021	Change
Nauru	1.12	1.40	1990-2021 0.28	3.6	2.6	1.01	1.00	1990–2021 -0.01
	[0.99; 1.28] 0.98	[1.10; 1.80] 1.43	[-0.08; 0.70] 0.46	[2.8; 4.7] 3.2	[1.9; 3.4]	[0.87; 1.19] 1.05	[0.76; 1.29]	[-0.31; 0.32] -0.05
Nepal	[0.88; 1.08]	[1.15; 1.79] 1.04	[0.15; 0.83]† -0.38	[2.2; 4.2] 0.3	[1.5; 2.9] 0.3	[0.95; 1.16] 0.97	[0.78; 1.25]	[-0.30; 0.22] 0.26
Netherlands	[1.31; 1.54] 1.33	[0.90; 1.20] 1.40	[-0.57; -0.19]† 0.07	[0.3; 0.3]	[0.3; 0.3]	[0.89; 1.05] 1.06	[1.06; 1.41]* 0.91	[0.07; 0.46]†
New Zealand	[1.21; 1.47]	[1.21; 1.61]	[-0.17; 0.32]	[0.4; 0.5]	[0.3; 0.4]	[0.96; 1.17]	[0.79; 1.05]	[-0.32; 0.03]
Nicaragua	1.27 [1.12; 1.43]	1.39 [1.10; 1.77]	0.13 [-0.24; 0.56]	1.5 [0.6; 2.7]	1.1 [0.4; 1.9]	1.00 [0.85; 1.17]	1.00 [0.79; 1.28]	0.00 [-0.28; 0.33]
Niger	1.15 [1.03; 1.28]	0.99 [0.82; 1.20]	-0.15 [-0.38; 0.09]	20.8 [15.6; 27.3]	20.9 [15.5; 27.6]	0.97 [0.87; 1.07]	1.03 [0.86; 1.24]	0.07 [-0.15; 0.31]
Nigeria	1.05 [0.94; 1.19]	1.07 [0.91; 1.27]	0.02 [-0.20; 0.26]	13.3 [10.5; 16.1]	12.4 [9.8; 15.0]	0.98 [0.88; 1.09]	0.97 [0.81; 1.15]	-0.01 [-0.22; 0.19]
Niue	1.46 [1.29; 1.65]	1.44 [1.13; 1.84]	-0.01 [-0.40; 0.43]	3.3 [2.5; 4.3]	2.3 [1.7; 3.0]	0.97 [0.84; 1.11]	0.99 [0.76; 1.27]	0.02 [-0.26; 0.33]
Norway	1.36 [1.22; 1.51]	1.09 [0.91; 1.31]	-0.27 [-0.53; 0.00]	0.3	0.3	1.01 [0.92; 1.12]	1.17 [0.97; 1.40]	0.16 [-0.08; 0.42]
Oman	1.38 [1.22; 1.56]	1.41 [1.10; 1.82]	0.03 [-0.35; 0.48]	1.4	1.0	1.00 [0.86; 1.15]	1.00 [0.78; 1.27]	0.00 [-0.28; 0.33]
Pakistan¶	0.97	1.16	0.19	4.4	3.8	1.14	1.15	0.01
Palau	[0.88; 1.07]	[0.93; 1.44] 1.45	[-0.07; 0.50] 0.09	[3.4; 5.6]	[2.9; 4.8]	[1.02; 1.27]* 0.97	[0.89; 1.48] 0.99	[-0.30; 0.38] 0.02
Panama	[1.21; 1.55] 1.39	[1.14; 1.86] 1.21	[-0.30; 0.53] -0.17	[1.7; 2.9] 1.5	[1.1; 2.0]	[0.83; 1.13] 1.04	[0.78; 1.26] 1.17	[-0.26; 0.34] 0.13
	[1.25; 1.56] 1.08	[1.05; 1.42] 1.23	[-0.42; 0.09] 0.15	[1.4; 1.7] 5.1	[1.1; 1.4]	[0.93; 1.16]	[1.00; 1.35] 1.03	[-0.09; 0.35] 0.03
Papua New Guinea	[0.95; 1.23]	[0.97; 1.57] 1.43	[-0.16; 0.53] 0.11	[3.9; 6.7] 1.0	[3.1; 5.5]	[0.87; 1.17] 0.97	[0.78; 1.37]	[-0.27; 0.40] -0.03
Paraguay	[1.16; 1.50]	[1.12; 1.81]	[-0.27; 0.54] 0.18	[0.4; 1.8]	[0.3; 1.3]	[0.83; 1.13] 0.97	[0.75; 1.20]	[-0.31; 0.28] 0.04
Peru	[1.09; 1.36]	[1.12; 1.74]	[-0.15; 0.56]	[1.1; 1.9]	[0.8; 1.4]	[0.85; 1.11]	[0.81; 1.25]	[-0.22; 0.32]
Philippines	1.30 [1.17; 1.44]	1.34 [1.14; 1.56]	0.04 [-0.22; 0.31]	2.6 [2.5; 2.8]	2.0 [1.8; 2.2]	0.99 [0.88; 1.11]	1.09 [0.93; 1.27]	0.10 [-0.12; 0.32]
Poland	1.46 [1.38; 1.54]	1.19 [1.07; 1.33]	-0.27 [-0.41; -0.11]†	0.4 [0.4; 0.5]	0.4 [0.3; 0.4]	0.97 [0.92; 1.03]	1.06 [0.95; 1.19]	0.09 [-0.04; 0.23]
Portugal	1.47 [1.37; 1.58]	1.09 [0.93; 1.26]	-0.38 [-0.58; -0.18]†	0.4 [0.3; 0.4]	0.3	0.98 [0.91; 1.06]	1.17 [1.01; 1.36]*	0.19 [0.00; 0.40]†
Qatar	1.46 [1.29; 1.66]	1.26 [1.02; 1.55]	-0.20 [-0.53; 0.15]	0.8 [0.6; 0.9]	0.6 [0.5; 0.7]	0.98 [0.87; 1.11]	1.05 [0.86; 1.29]	0.07 [-0.17; 0.34]
Romania	1.47 [1.39; 1.56]	1.32	-0.15 [-0.32; 0.02]	0.8	0.6 [0.5; 0.7]	0.96 [0.90; 1.02]	1.01 [0.91; 1.13]	0.06 [-0.07; 0.19]
Russian Federation	1.85	1.36	-0.50	0.8	0.6	0.76	0.99	0.23
Rwanda	[1.79; 1.91] 1.12	[1.25; 1.46] 1.17	[-0.61; -0.38]† 0.05	[0.8; 0.9] 9.2	[0.6; 0.7] 7.9	[0.73; 0.79]* 0.97	[0.92; 1.07] 0.93	[0.15; 0.31]† -0.05
Saint Kitts and Nevis	[1.01; 1.24] 1.50	[0.96; 1.43] 1.64	[-0.21; 0.35] 0.14	[7.0; 11.5] 1.6	[5.9; 10.0] 1.0	[0.88; 1.07] 0.96	[0.74; 1.17] 0.86	[-0.27; 0.22] -0.10
	[1.33; 1.70] 1.45	[1.30; 2.09] 1.45	[-0.28; 0.64] -0.01	[1.2; 2.0] 2.0	[0.7; 1.3]	[0.84; 1.08]	[0.68; 1.08]	[-0.33; 0.17] 0.00
Saint Lucia	[1.28; 1.65]	[1.14; 1.84] 1.38	[-0.39; 0.44] 0.07	[1.4; 2.6] 1.4	[0.9; 1.9]	[0.87; 1.12] 1.03	[0.78; 1.25] 1.01	[-0.26; 0.30] -0.02
Samoa	[1.15; 1.49]	[1.09; 1.74] 1.27	[-0.30; 0.49] -0.13	[0.7; 2.3]	[0.5; 1.7]	[0.87; 1.21]	[0.80; 1.28]	[-0.30; 0.31] -0.01
San Marino	[1.24; 1.59] 1.05	[1.00; 1.63] 1.32	[-0.48; 0.28] 0.28	[0.2; 0.3]	[0.1; 0.3]	[0.90; 1.14]	[0.78; 1.27]	[-0.28; 0.29] 0.09
Sao Tome and Principe	[0.92; 1.19]	[1.05; 1.68]	[-0.06; 0.67]	[1.3; 2.2]	[1.0; 1.7]	[0.87; 1.13]	[0.85; 1.35]	[-0.19; 0.41]
Saudi Arabia	1.35 [1.18; 1.53]	1.36 [1.06; 1.75]	0.02 [-0.35; 0.45]	1.0 [0.8; 1.3]	0.7 [0.5; 1.0]	1.00 [0.85; 1.17]	1.00 [0.79; 1.27]	0.00 [-0.29; 0.32]
Senegal	1.04 [0.94; 1.15]	1.52 [1.26; 1.83]	0.48 [0.19; 0.82]†	5.3 [4.2; 6.5]	3.5 [2.7; 4.3]	0.99 [0.90; 1.10]	0.83 [0.67; 1.04]	-0.16 [-0.36; 0.07]
Serbia	1.36 [1.23; 1.51]	1.36 [1.13; 1.63]	-0.01 [-0.30; 0.31]	0.6 [0.5; 0.6]	0.4 [0.4; 0.5]	1.05 [0.95; 1.16]	0.94 [0.79; 1.12]	-0.11 [-0.31; 0.11]
Seychelles	1.46 [1.30; 1.66]	1.52 [1.20; 1.91]	0.06 [-0.35; 0.51]	1.2 [0.7; 1.7]	0.8 [0.5; 1.2]	0.99 [0.87; 1.11]	0.91 [0.73; 1.15]	-0.08 [-0.32; 0.21]
Sierra Leone	1.06 [0.93; 1.21]	0.95	-0.12 [-0.35; 0.12]	14.9 [10.9; 19.0]	15.7 [11.6; 20.1]	0.98	1.09 [0.91; 1.32]	0.11
Singapore	1.36	1.16	-0.20	0.3	0.3	1.02	1.10	0.08
Slovakia	[1.21; 1.53]	[0.93; 1.44]	[-0.51; 0.14] -0.15	[0.2; 0.3]	0.5	[0.91; 1.14]	[0.88; 1.37]	[-0.19; 0.39]
Slovenia	[1.27; 1.51] 1.36	[1.05; 1.46] 1.17	[-0.39; 0.11] -0.19	[0.6; 0.7] 0.3	[0.5; 0.6]	[0.94; 1.12] 1.03	[0.90; 1.22] 1.08	[-0.16; 0.23] 0.05
Solomon Islands	[1.22; 1.53] 1.31	[0.93; 1.48] 1.42	[-0.50; 0.16] 0.11	[0.3; 0.4] 2.5	[0.2; 0.3]	[0.93; 1.15] 1.00	[0.86; 1.36] 1.02	[-0.21; 0.36] 0.02
	[1.15; 1.48] 1.03	[1.11; 1.80] 1.02	[-0.26; 0.54] -0.01	[2.0; 3.3] 15.8	[1.4; 2.4] 15.5	[0.85; 1.16] 1.01	[0.80; 1.29] 1.01	[-0.27; 0.35] 0.00
Somalia	[0.91; 1.17]	[0.80; 1.30]	[-0.29; 0.32] 0.15	[11.9; 20.8] 2.9	[11.8; 20.4] 2.1	[0.89; 1.13]	[0.79; 1.29]	[-0.28; 0.32] 0.04
South Africa	[1.10; 1.41]	[1.20; 1.62]	[-0.12; 0.42]	[2.6; 3.3]	[1.9; 2.4]	[0.86; 1.17]	[0.89; 1.20]	[-0.20; 0.26]
South Sudan	1.07 [0.94; 1.22]	1.04 [0.82; 1.33]	-0.03 [-0.32; 0.30]	14.0 [10.6; 18.4]	13.5 [10.1; 17.6]	1.00 [0.88; 1.13]	0.99 [0.77; 1.28]	0.00 [-0.27; 0.31]
Spain	1.38 [1.30; 1.47]	1.18 [1.04; 1.32]	-0.20 [-0.36; -0.03]†	0.3 [0.3; 0.4]	0.3 [0.3; 0.3]	1.01 [0.95; 1.08]	1.08 [0.96; 1.22]	0.06 [-0.08; 0.22]
Sri Lanka	1.20 [1.09; 1.33]	1.21 [1.01; 1.47]	0.01 [-0.25; 0.30]	0.7 [0.6; 0.9]	0.6 [0.5; 0.7]	1.16 [1.04; 1.30]*	1.08 [0.91; 1.30]	-0.08 [-0.32; 0.18]
Saint Vincent and the Grenadines	1.44 [1.27; 1.64]	1.53 [1.21; 1.94]	0.09 [-0.32; 0.55]	1.8 [1.1; 2.7]	1.2 [0.7; 1.8]	1.00 [0.88; 1.14]	0.93 [0.74; 1.17]	-0.07 [-0.33; 0.22]
State of Palestine	1.38	1.37 [1.08; 1.73]	-0.02 [-0.38; 0.39]	1.9 [1.2; 2.8]	1.4 [0.9; 2.1]	1.01 [0.88; 1.16]	1.04 [0.83; 1.32]	0.03 [-0.24; 0.36]
Sudan	0.99 [0.89; 1.12]	1.24	0.24	5.3	4.3	1.03 [0.92; 1.16]	1.03	0.00
Suriname	1.43	[0.99; 1.54]	[-0.05; 0.58]	[3.4; 7.0]	1.9	1.01	[0.78; 1.35]	0.42
¶: Sex ratio is outlying in 1990. §: Sex	[1.27; 1.61] ratio is outlying in	[0.84; 1.18] n 2021. *: The ra	[-0.68; -0.17]† tio of estimated to e	[1.6; 2.2] xpected female n	[1.6; 2.2] nortality is significantly d	[0.89; 1.14] ifferent from one.	[1.22; 1.69]* †: Change is signif	[0.16; 0.71]† ficantly different from zero.

^{¶:} Sex ratio is outlying in 1990. §: Sex ratio is outlying in 2021. *: The ratio of estimated to expected female mortality is significantly different from one. †: Change is significantly different from zero.

Continued on next page

	Table 15 – continued from previous page Sex ratio 5q5 Sex-specific 5q5 in 2021 (per 1,000) Estimated/Expected female 5q5									
	1000	Sex ratio 5q5								
	1990	2021	Change 1990–2021	Male	Female	1990	2021	Change 1990–2021		
Eswatini	1.24	1.11	-0.14	10.0	9.0	1.00	1.01	0.01		
	[1.10; 1.41]	[0.87; 1.43]	[-0.44; 0.23]	[3.4; 12.3]	[3.0; 11.2]	[0.79; 1.24]	[0.76; 1.41]	[-0.38; 0.53]		
Sweden	1.41 [1.28; 1.56]	1.10 [0.94; 1.30]	-0.31 [-0.55; -0.06]†	0.3	0.3 [0.2; 0.3]	0.95 [0.86; 1.04]	1.15 [0.98; 1.35]	0.21 [0.00; 0.43]		
	1.43	1.17	-0.27	0.3	0.3	0.96	1.09	0.12		
Switzerland	[1.30; 1.58]	[0.99; 1.37]	[-0.52; 0.00]†	[0.3; 0.4]	[0.3; 0.3]	[0.88; 1.06]	[0.92; 1.28]	[-0.08; 0.35]		
Syria	1.17	1.20	0.03	2.8	2.3	1.03	1.11	0.08		
5,111	[1.04; 1.31]	[1.00; 1.43]	[-0.22; 0.31]	[2.0; 3.5]	[1.7; 3.0]	[0.90; 1.17]	[0.93; 1.32]	[-0.16; 0.34]		
Tajikistan	1.43 [1.33; 1.53]	1.35 [1.22; 1.49]	-0.08 [-0.25; 0.09]	1.2 [1.1; 1.2]	0.9 [0.8; 0.9]	0.89 [0.82; 0.97]*	1.03 [0.93; 1.13]	0.14 [0.01; 0.27]†		
	1.05	1.03	-0.02	9.1	8.8	0.98	1.06	0.08		
Tanzania	[0.94; 1.17]	[0.83; 1.28]	[-0.27; 0.26]	[6.5; 11.2]	[6.4; 11.0]	[0.87; 1.09]	[0.84; 1.36]	[-0.18; 0.41]		
Thailand	1.38	1.48	0.11	2.0	1.4	0.99	0.97	-0.02		
Thuman	[1.24; 1.53]	[1.26; 1.74]	[-0.18; 0.40]	[1.9; 2.2]	[1.2; 1.5]	[0.88; 1.11]	[0.83; 1.13]	[-0.21; 0.19]		
Timor Leste	1.01 [0.89; 1.15]	1.21 [0.95; 1.54]	0.20 [-0.11; 0.56]	6.0 [4.6; 7.7]	4.9 [3.7; 6.4]	1.02 [0.90; 1.15]	1.01 [0.76; 1.33]	-0.01 [-0.31; 0.35]		
_	1.07	1.04	-0.03	6.9	6.6	0.96	1.12	0.16		
Togo	[0.95; 1.21]	[0.84; 1.30]	[-0.29; 0.26]	[4.6; 9.3]	[4.4; 9.0]	[0.86; 1.08]	[0.86; 1.48]	[-0.14; 0.54]		
Tonga	1.42	1.54	0.12	1.6	1.1	1.01	0.92	-0.09		
Tonga	[1.25; 1.61]	[1.23; 1.93]	[-0.27; 0.57]	[1.0; 2.2]	[0.7; 1.5]	[0.89; 1.14]	[0.74; 1.15]	[-0.33; 0.18]		
Trinidad and Tobago	1.36 [1.22; 1.51]	1.32 [1.10; 1.56]	-0.05 [-0.32; 0.25]	1.0 [0.8; 1.2]	0.8 [0.6; 0.9]	1.06 [0.95; 1.18]	1.04 [0.88; 1.23]	-0.02 [-0.23; 0.21]		
	1.30	1.35	0.05	1.8	1.3	1.03	1.06	0.02		
Tunisia	[1.16; 1.46]	[1.11; 1.63]	[-0.25; 0.38]	[1.5; 2.0]	[1.1; 1.5]	[0.91; 1.17]	[0.88; 1.28]	[-0.22; 0.29]		
Turkey	1.14	1.24	0.10	0.8	0.7	0.99	1.09	0.10		
Turkey	[1.00; 1.29]	[1.12; 1.36]	[-0.09; 0.28]	[0.8; 0.9]	[0.6; 0.7]	[0.86; 1.13]	[0.99; 1.19]	[-0.08; 0.26]		
Turkmenistan	1.29	1.39	0.10	2.1	1.5	1.03	1.03	0.01		
	[1.16; 1.42] 1.52	[1.16; 1.67] 1.25	[-0.19; 0.42] -0.27	[1.7; 2.4] 0.5	[1.2; 1.8] 0.4	[0.92; 1.15] 0.93	[0.86; 1.24]	[-0.22; 0.25]		
Turks and Caicos Islands	[1.34; 1.72]	[0.97; 1.59]	[-0.63; 0.12]	[0.4; 0.7]	[0.3; 0.6]	[0.82; 1.05]	[0.81; 1.30]	[-0.15; 0.41]		
Tuvalu	1.21	1.49	0.28	2.9	2.0	0.99	0.97	-0.03		
Tuvalu	[1.07; 1.37]	[1.18; 1.89]	[-0.09; 0.72]	[2.2; 3.8]	[1.5; 2.6]	[0.84; 1.17]	[0.75; 1.23]	[-0.31; 0.29]		
Uganda	1.03 [0.92; 1.16]	1.08	0.05	8.2	7.5	0.99	1.03	0.04		
-	1.67	[0.88; 1.33]	[-0.21; 0.33] -0.40	[5.6; 10.8] 0.8	[5.1; 10.0] 0.7	[0.89; 1.11] 0.87	[0.81; 1.34]	[-0.23; 0.38] 0.19		
Ukraine	[1.59; 1.75]	[1.16; 1.38]	[-0.54; -0.26]†	[0.8; 0.9]	[0.6; 0.7]	[0.82; 0.91]*	[0.97; 1.16]	[0.09; 0.30]†		
United Arab Emirates	1.43	1.35	-0.08	0.9	0.7	1.00	1.00	0.00		
Cliffed Alab Elimates	[1.27; 1.63]	[1.06; 1.73]	[-0.46; 0.34]	[0.7; 1.2]	[0.5; 0.9]	[0.88; 1.13]	[0.79; 1.27]	[-0.26; 0.31]		
United Kingdom	1.39	1.24	-0.16	0.3	0.3	0.98	1.03	0.04		
	[1.31; 1.47]	[1.11; 1.37] 1.19	[-0.31; 0.00] -0.17	[0.3; 0.4]	[0.2; 0.3]	[0.93; 1.04] 1.03	[0.93; 1.14] 1.08	[-0.08; 0.18] 0.05		
United States of America	[1.32; 1.41]	[1.10; 1.30]	[-0.28; -0.05]†	[0.6; 0.6]	[0.5; 0.5]	[0.99; 1.07]	[0.99; 1.17]	[-0.04; 0.16]		
Uruguay	1.43	1.13	-0.29	0.7	0.6	1.00	1.15	0.15		
Oluguay	[1.29; 1.58]	[0.95; 1.36]	[-0.55; -0.01]†	[0.6; 0.8]	[0.5; 0.7]	[0.90; 1.11]	[0.97; 1.36]	[-0.07; 0.39]		
Uzbekistan	1.36	1.33	-0.03	1.7	1.3	0.99	1.07	0.08		
	[1.23; 1.50] 1.33	[1.16; 1.52] 1.42	[-0.26; 0.20] 0.09	[1.6; 1.8]	[1.2; 1.4]	[0.89; 1.11] 1.00	[0.94; 1.22]	[-0.10; 0.27] 0.01		
Vanuatu	[1.17; 1.51]	[1.11; 1.81]	[-0.29; 0.52]	[2.4; 4.0]	[1.6; 2.9]	[0.85; 1.16]	[0.78; 1.29]	[-0.28; 0.34]		
Venezuela (Bolivarian Republic of)	1.43	1.30	-0.13	1.7	1.3	1.01	1.10	0.08		
venezueia (Bonvarian Republic 01)	[1.29; 1.58]	[1.08; 1.55]	[-0.42; 0.17]	[1.5; 2.0]	[1.1; 1.5]	[0.92; 1.12]	[0.92; 1.31]	[-0.14; 0.33]		
Vietnam	1.13 [0.99; 1.28]	1.68	0.55	1.4	0.8	0.98	0.84	-0.14		
	1.06	[1.37; 2.06] 1.25	[0.20; 0.97]† 0.18	[1.1; 1.9] 4.9	[0.6; 1.1]	[0.85; 1.13] 0.98	[0.68; 1.02]	[-0.37; 0.09] 0.01		
Yemen	[0.95; 1.19]	[0.98; 1.58]	[-0.13; 0.55]	[2.9; 6.5]	[2.3; 5.3]	[0.87; 1.10]	[0.76; 1.28]	[-0.27; 0.34]		
Zambia	1.01	1.18	0.17	7.0	5.9	1.01	1.00	-0.01		
Zamora	[0.91; 1.13]	[0.96; 1.45]	[-0.10; 0.47]	[3.7; 9.4]	[3.1; 8.0]	[0.91; 1.13]	[0.77; 1.33]	[-0.28; 0.35]		
Zimbabwe	1.06	1.21	0.14	4.9	4.1	1.03	1.08	0.05		
	[0.94; 1.20]	[0.98; 1.50]	[-0.14; 0.47]	[2.6; 6.8]	[2.2; 5.6]	[0.90; 1.18]	[0.82; 1.39]	[-0.26; 0.40]		

Table 16: Estimates and 90% uncertainty intervals for sex ratios for 5q10 in 1990 and 2021, the change in sex ratios from 1990 to 2021, sex-specific 5q10 in 2021, and ratios of estimated to expected female 5q10 and their change from 1990 to 2021 for the world, UNICEF regions, and all countries. ¶: Sex ratio is outlying in 1990. §: Sex ratio is outlying in 2021. *: The ratio of estimated to expected female mortality is significantly different from one. †: Change is significantly different from zero.

	1000	Sex ratio 5q10			5q10 in 2021 (per 1,000)		timated/Expected	
	1990	2021	Change 1990–2021	Male	Female	1990	2021	Change 1990–2021
World	1.11	1.22	0.11	2.9	2.4	1.01	0.99	-0.02
World	[1.06; 1.15] 0.98	[1.14; 1.28] 1.30	[0.01; 0.19]† 0.33	[2.8; 3.6] 2.8	[2.2; 3.0] 2.1	[0.96; 1.06] 1.06	[0.92; 1.05]	[-0.08; 0.05] 0.07
South Asia	[0.90; 1.05]	[1.15; 1.48]	[0.15; 0.52]†	[2.2; 3.7]	[1.7; 3.0]	[0.97; 1.17]	[0.95; 1.31]	[-0.15; 0.28]
Europe and Central Asia	1.67 [1.62; 1.70]	1.41 [1.36; 1.45]	-0.26 [-0.31; -0.20]†	0.9 [0.9; 0.9]	0.6 [0.6; 0.7]	0.91 [0.87; 0.94]*	1.05 [1.02; 1.08]*	0.14 [0.10; 0.19]†
Middle East and North Africa	1.15	1.54	0.38	2.1	1.4	0.98	0.95	-0.03
Wilddie East and North Africa	[1.09; 1.22]	[1.41; 1.67]	[0.23; 0.53]†	[1.8; 3.1]	[1.1; 2.0]	[0.87; 1.07]	[0.78; 1.07]	[-0.22; 0.13]
Sub-Saharan Africa	1.00 [0.94; 1.07]	1.11 [1.03; 1.19]	0.10 [0.00; 0.21]	6.4 [5.6; 8.8]	5.8 [5.0; 7.9]	1.00 [0.96; 1.05]	0.95 [0.87; 1.04]	-0.05 [-0.14; 0.05]
Latin America and Caribbean	1.45 [1.40; 1.51]	1.38 [1.30; 1.46]	-0.07 [-0.17; 0.03]	1.7 [1.6; 2.0]	1.3 [1.2; 1.5]	0.99 [0.95; 1.04]	1.07 [0.98; 1.15]	0.08 [-0.02; 0.17]
East Asia and Pacific	1.36	1.57	0.21	1.6	1.0	1.00	0.93	-0.07
	[1.23; 1.47]	[1.40; 1.75] 1.39	[0.00; 0.45]	[1.2; 2.3]	[0.8; 1.5]	[0.83; 1.11]	[0.80; 1.06]	[-0.24; 0.14] 0.06
North America	[1.58; 1.69]	[1.28; 1.51]	[-0.37; -0.11]†	[0.8; 1.0]	[0.6; 0.7]	[0.94; 1.01]	[0.95; 1.11]	[-0.03; 0.15]
Afghanistan	1.01 [0.88; 1.15]	1.78 [1.41; 2.26]	0.77	[0.3; 7.0]	1.2 [0.2; 3.9]	1.04 [0.86; 1.61]	0.79 [0.52; 1.06]	-0.25 [-0.88; 0.08]
Albania	1.56	1.20	-0.36	1.1	0.9	0.99	1.24	0.25
	[1.42; 1.71] 1.36	[1.00; 1.44] 1.29	[-0.62; -0.07]† -0.07	[0.8; 1.4]	[0.7; 1.2]	[0.89; 1.10] 0.96	[1.04; 1.47]* 1.23	[0.01; 0.51]† 0.27
Algeria	[1.23; 1.50]	[1.18; 1.41]	[-0.25; 0.10]	[1.5; 1.8]	[1.1; 1.4]	[0.81; 1.14]	[1.13; 1.34]*	[0.06; 0.46]†
Andorra	1.59 [1.39; 1.82]	1.27 [0.98; 1.65]	-0.32 [-0.72; 0.13]	0.5 [0.3; 0.6]	0.4 [0.3; 0.5]	1.00 [0.87; 1.13]	1.01 [0.79; 1.31]	0.02 [-0.26; 0.35]
Angola	1.03 [0.88; 1.20]	1.00	-0.03 [-0.33; 0.31]	6.3 [4.7; 8.2]	6.3 [4.7; 8.2]	1.00	1.06	0.06
Anguilla	1.60	[0.78; 1.29] 1.41	-0.18	0.8	0.6	[0.87; 1.15]	[0.80; 1.47]	[-0.26; 0.51] 0.00
Aliguilla	[1.40; 1.83] 1.60	[1.09; 1.84]	[-0.61; 0.31]	[0.6; 1.1]	[0.4; 0.8]	[0.87; 1.14]	[0.78; 1.27]	[-0.28; 0.31]
Antigua and Barbuda	[1.40; 1.82]	1.49 [1.15; 1.93]	-0.10 [-0.54; 0.40]	[0.8; 1.4]	0.7 [0.5; 1.0]	1.00 [0.87; 1.14]	1.00 [0.79; 1.27]	0.00 [-0.27; 0.32]
Argentina	1.61 [1.52; 1.70]	1.22 [1.11; 1.35]	-0.38 [-0.53; -0.23]†	0.9 [0.8; 1.1]	0.8 [0.6; 0.9]	1.00 [0.94; 1.05]	1.18 [1.07; 1.29]*	0.18 [0.06; 0.31]†
Armenia	1.82	1.49	-0.33	1.1	0.8	0.88	1.01	0.13
	[1.63; 2.02] 1.56	[1.25; 1.77] 1.25	[-0.66; 0.01] -0.31	[0.9; 1.4]	[0.6; 1.0] 0.4	[0.79; 0.98]*	[0.85; 1.20]	[-0.06; 0.35] 0.06
Australia	[1.44; 1.68]	[1.11; 1.43]	[-0.51; -0.09]†	[0.4; 0.5]	[0.3; 0.4]	[0.91; 1.05]	[0.90; 1.17]	[-0.10; 0.22]
Austria	1.51 [1.37; 1.66]	1.26 [1.07; 1.49]	-0.25 [-0.51; 0.04]	0.5 [0.4; 0.6]	0.4 [0.3; 0.5]	0.99 [0.91; 1.09]	1.02 [0.86; 1.21]	0.03 [-0.17; 0.24]
Azerbaijan	1.48	1.45	-0.03	1.9	1.3	1.07	1.10	0.03
Dohomoo	[1.37; 1.61] 1.60	[1.30; 1.62] 1.53	[-0.23; 0.18] -0.06	[1.7; 2.1] 1.5	[1.2; 1.5] 1.0	[0.98; 1.17] 0.99	[0.98; 1.23]	[-0.13; 0.19] 0.02
Bahamas	[1.40; 1.83] 1.58	[1.19; 1.98] 1.42	[-0.49; 0.44] -0.17	[0.8; 2.4]	[0.5; 1.6] 0.8	[0.85; 1.13] 1.01	[0.78; 1.29] 1.05	[-0.26; 0.34] 0.04
Bahrain	[1.39; 1.80]	[1.19; 1.68]	[-0.50; 0.18]	[0.7; 1.6]	[0.5; 1.2]	[0.88; 1.14]	[0.88; 1.25]	[-0.19; 0.30]
Bangladesh	0.99 [0.88; 1.11]	1.42 [1.18; 1.71]	0.43	2.4 [1.4; 3.6]	1.7 [1.0; 2.6]	1.02 [0.90; 1.21]	1.10 [0.89; 1.33]	0.08 [-0.22; 0.36]
Barbados	1.58	1.66	0.08	1.4	0.9	0.98	0.92	-0.06
	[1.38; 1.80] 1.76	[1.29; 2.14] 1.15	[-0.38; 0.62] -0.61	[0.7; 2.5]	[0.4; 1.5]	[0.83; 1.13] 0.91	[0.71; 1.19]	[-0.34; 0.26] 0.24
Belarus	[1.63; 1.90]	[0.98; 1.35]	[-0.83; -0.37]†	[0.4; 0.8]	[0.4; 0.7]	[0.84; 0.98]*	[0.98; 1.35]	[0.06; 0.45]†
Belgium	1.42 [1.30; 1.55]	1.29 [1.10; 1.51]	-0.13 [-0.37; 0.13]	0.5 [0.4; 0.6]	0.4 [0.3; 0.4]	1.07 [0.99; 1.17]	1.00 [0.86; 1.18]	-0.07 [-0.25; 0.13]
Belize	1.56 [1.37; 1.78]	1.54 [1.21; 1.96]	-0.02 [-0.44; 0.47]	1.9 [1.0; 2.9]	1.2 [0.7; 1.9]	1.00 [0.84; 1.16]	1.02 [0.80; 1.30]	0.02 [-0.27; 0.37]
Benin	0.99	1.09	0.10	7.0	6.4	1.00	0.99	-0.01
	[0.86; 1.14] 1.58	[0.87; 1.37]	[-0.19; 0.42] -0.43	[1.8; 14.2] 5.1	[1.7; 13.1] 4.4	[0.87; 1.19] 0.72	[0.75; 1.56]	[-0.35; 0.57] 0.32
Bhutan	[1.38; 1.81]	[0.89; 1.50]	[-0.80; 0.00]†	[1.3; 10.9]	[1.2; 9.4]	[0.56; 1.06]	[0.71; 1.59]	[-0.20; 0.93]
Bolivia (Plurinational State of)	1.18 [1.03; 1.35]	1.56 [1.21; 2.00]	0.37 [-0.04; 0.86]	2.4 [0.5; 5.8]	1.5 [0.4; 3.7]	1.03 [0.81; 1.41]	0.95 [0.65; 1.27]	-0.08 [-0.59; 0.33]
Bosnia and Herzegovina	1.62	1.21	-0.40	0.7	0.6	0.97	1.13	0.16
Determine	[1.45; 1.82] 1.04	[1.03; 1.42] 1.50	[-0.69; -0.12]† 0.47	[0.5; 1.0]	[0.4; 0.8]	[0.87; 1.09] 1.04	[0.97; 1.33] 0.91	[-0.05; 0.39] -0.13
Botswana	[0.90; 1.19]	[1.17; 1.93]	[0.07; 0.94]†	[0.8; 7.8]	[0.5; 5.2] 1.0	[0.85; 1.57]	[0.60; 1.28]	[-0.77; 0.30]
Brazil	1.62 [1.46; 1.80]	1.50 [1.29; 1.74]	-0.12 [-0.40; 0.18]	1.5 [1.4; 1.7]	[0.9; 1.1]	0.98 [0.88; 1.09]	1.05 [0.91; 1.21]	0.07 [-0.11; 0.27]
British Virgin Islands	1.60 [1.40; 1.83]	1.58 [1.21; 2.05]	-0.02 [-0.48; 0.52]	1.5 [1.2; 2.0]	1.0 [0.7; 1.3]	1.00 [0.87; 1.14]	0.99 [0.77; 1.29]	0.00 [-0.28; 0.33]
Brunei	1.59	1.54	-0.05	1.1	0.7	0.99	0.96	-0.02
	[1.39; 1.82] 1.62	[1.20; 1.97] 1.42	[-0.48; 0.44] -0.20	[0.5; 1.9] 1.0	[0.3; 1.2] 0.7	[0.84; 1.13] 0.99	[0.75; 1.24] 1.03	[-0.29; 0.30] 0.04
Bulgaria	[1.50; 1.75]	[1.22; 1.65]	[-0.44; 0.07]	[0.8; 1.2]	[0.6; 0.9]	[0.91; 1.07]	[0.89; 1.19]	[-0.12; 0.22]
Burkina Faso	0.99 [0.87; 1.13]	1.10 [0.85; 1.41]	0.11 [-0.19; 0.46]	5.8 [1.0; 17.2]	5.3 [0.9; 15.7]	1.03 [0.88; 1.54]	1.01 [0.73; 1.61]	-0.02 [-0.53; 0.59]
Burundi	0.99	1.08	0.09	8.3	7.7	1.01	0.99	-0.02
Cambodia	[0.83; 1.18] 1.00	[0.85; 1.38] 1.49	[-0.23; 0.45] 0.49	[1.5; 26.1]	[1.4; 24.1] 1.3	[0.88; 1.19] 1.03	[0.73; 1.57] 0.98	[-0.36; 0.58] -0.05
Cambodia	[0.88; 1.15]	[1.15; 1.92]	[0.10; 0.95]†	[0.4; 5.6]	[0.2; 3.8]	[0.87; 1.59]	[0.68; 1.32]	[-0.70; 0.33]
Cameroon	0.99 [0.86; 1.13]	1.15 [0.90; 1.46]	0.16 [-0.15; 0.51]	8.4 [2.1; 16.7]	7.4 [1.8; 14.6]	1.01 [0.87; 1.22]	0.92 [0.69; 1.42]	-0.10 [-0.42; 0.43]
Canada	1.56 [1.46; 1.67]	1.20 [1.07; 1.35]	-0.36 [-0.53; -0.18]†	0.6 [0.5; 0.7]	0.5 [0.4; 0.6]	0.99 [0.93; 1.06]	1.09 [0.97; 1.22]	0.09 [-0.04; 0.24]
¶: Sex ratio is outlying in 1990. §: Se								

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	1990	Sex ratio 5q1	Change	Sex-specific Male	5q10 in 2021 (per 1,000) Female	1990	timated/Expected 2021	Change
			1990-2021					1990-2021
Cape Verde	1.47 [1.29; 1.68]	1.49 [1.21; 1.82]	0.02 [-0.35; 0.41]	1.2 [0.6; 1.8]	0.8 [0.4; 1.2]	1.00 [0.79; 1.19]	1.01 [0.81; 1.24]	0.01 [-0.27; 0.33]
Central African Republic	1.00	0.89	-0.11	9.9	11.2	1.00	1.17	0.16
_	[0.87; 1.14] 0.99	[0.69; 1.13] 1.00	[-0.36; 0.17] 0.01	[2.3; 22.1] 10.5	[2.6; 24.6] 10.5	[0.87; 1.29] 1.02	[0.88; 1.79] 1.01	[-0.23; 0.79] -0.01
Chad	[0.86; 1.14]	[0.80; 1.24]	[-0.25; 0.29]	[4.3; 18.1]	[4.2; 18.2]	[0.87; 1.41]	[0.80; 1.39]	[-0.43; 0.41]
Chile	1.61 [1.50; 1.73]	1.23 [1.08; 1.42]	-0.38 [-0.58; -0.16]†	0.8 [0.7; 0.9]	0.6 [0.5; 0.7]	0.99 [0.93; 1.06]	1.13 [0.99; 1.29]	0.14 [-0.02; 0.31]
China	1.54	1.63	0.09	1.1	0.7	0.98	0.92	-0.06
Cillia	[1.35; 1.76] 1.61	[1.29; 2.04] 1.45	[-0.33; 0.57] -0.16	[0.6; 2.1]	[0.4; 1.3]	[0.73; 1.15] 0.96	[0.72; 1.16] 1.09	[-0.34; 0.28] 0.14
Colombia	[1.43; 1.81]	[1.24; 1.68]	[-0.47; 0.15]	[1.4; 1.7]	[0.9; 1.2]	[0.83; 1.09]	[0.94; 1.27]	[-0.07; 0.36]
Comoros	1.17 [1.01; 1.34]	1.59 [1.24; 2.06]	0.42	[0.3; 5.6]	1.3 [0.2; 3.5]	1.00 [0.77; 1.46]	0.91 [0.63; 1.23]	-0.08 [-0.65; 0.33]
Congo	1.01	1.43	0.42	3.8	2.6	1.02	0.92	-0.10
	[0.88; 1.17] 0.98	[1.12; 1.86] 1.04	[0.05; 0.88]† 0.05	[0.9; 8.9] 9.4	[0.6; 6.2] 9.1	[0.85; 1.56] 1.04	[0.60; 1.33]	[-0.75; 0.36] -0.05
Democratic Republic of the Congo	[0.85; 1.13]	[0.81; 1.32]	[-0.23; 0.37]	[3.2; 17.8]	[3.2; 17.1]	[0.88; 1.58]	[0.75; 1.48]	[-0.62; 0.45]
Cook Islands	1.58 [1.38; 1.80]	1.51 [1.17; 1.96]	-0.06 [-0.51; 0.43]	1.1 [0.9; 1.5]	0.8 [0.6; 1.0]	0.99 [0.85; 1.14]	0.99 [0.78; 1.26]	0.00 [-0.28; 0.32]
Costa Rica	1.50	1.26	-0.24	1.1	0.8	1.06	1.17	0.11
	[1.34; 1.68] 1.00	[1.07; 1.49] 0.94	[-0.51; 0.05] -0.06	[0.9; 1.2] 10.0	[0.7; 1.0] 10.6	[0.95; 1.18] 1.00	[1.00; 1.37]* 1.10	[-0.11; 0.34] 0.10
Cote d'Ivoire	[0.87; 1.14]	[0.73; 1.21]	[-0.32; 0.25]	[2.5; 23.7]	[2.7; 25.5]	[0.87; 1.23]	[0.83; 1.70]	[-0.29; 0.71]
Croatia	1.69 [1.53; 1.88]	1.32 [1.08; 1.62]	-0.37 [-0.68; -0.02]†	0.6 [0.4; 0.9]	0.5 [0.3; 0.7]	0.94 [0.85; 1.04]	1.01 [0.83; 1.23]	0.07 [-0.14; 0.32]
Cuba	1.55	1.43	-0.13	1.1	0.8	1.03	1.05	0.02
	[1.43; 1.68] 1.42	[1.24; 1.63] 1.46	[-0.35; 0.11] 0.04	[0.9; 1.4] 0.7	[0.6; 1.0] 0.5	[0.95; 1.12] 0.99	[0.92; 1.20] 0.94	[-0.14; 0.20] -0.04
Cyprus	[1.24; 1.61]	[1.14; 1.88]	[-0.35; 0.51]	[0.4; 1.1]	[0.3; 0.8]	[0.85; 1.14]	[0.73; 1.21]	[-0.32; 0.26]
Czech Republic	1.66 [1.53; 1.80]	1.27 [1.09; 1.49]	-0.39 [-0.63; -0.13]†	0.5 [0.4; 0.6]	0.4 [0.3; 0.5]	0.94 [0.87; 1.02]	1.02 [0.87; 1.19]	0.08 [-0.09; 0.27]
Denmark	1.49	1.32	-0.17	0.4	0.3	1.01	0.98	-0.03
	[1.34; 1.66] 0.99	[1.10; 1.58] 1.12	[-0.47; 0.14] 0.13	[0.3; 0.5]	[0.2; 0.4] 4.8	[0.91; 1.11] 1.00	[0.82; 1.18] 1.01	[-0.23; 0.20] 0.01
Djibouti	[0.86; 1.14]	[0.87; 1.46]	[-0.18; 0.51]	[4.1; 7.1]	[3.6; 6.4]	[0.87; 1.16]	[0.73; 1.45]	[-0.33; 0.48]
Dominica	1.57 [1.37; 1.80]	1.63 [1.26; 2.12]	0.06 [-0.40; 0.60]	1.9 [0.5; 4.4]	1.2 [0.3; 2.7]	0.97 [0.75; 1.14]	0.92 [0.67; 1.22]	-0.05 [-0.37; 0.33]
Dominican Republic	1.50	1.58	0.08	2.0	1.2	0.99	0.96	-0.03
•	[1.31; 1.70] 1.33	[1.23; 2.04] 1.26	[-0.35; 0.60] -0.07	[0.7; 4.3]	[0.4; 2.8]	[0.75; 1.18]	[0.70; 1.25]	[-0.37; 0.36] 0.22
Ecuador	[1.25; 1.42]	[1.14; 1.40]	[-0.22; 0.09]	[1.3; 1.7]	[1.0; 1.3]	[0.93; 1.13]	[1.13; 1.37]*	[0.06; 0.38]†
Egypt	1.14 [1.03; 1.26]	1.75 [1.48; 2.05]	0.61 [0.30; 0.95]†	2.5 [2.2; 2.9]	1.4 [1.2; 1.7]	1.00 [0.88; 1.13]	0.91 [0.77; 1.08]	-0.08 [-0.29; 0.13]
El Salvador	1.40	1.49	0.08	3.0	2.0	1.02	1.05	0.03
	[1.29; 1.52] 0.98	[1.28; 1.72] 1.03	[-0.16; 0.35] 0.05	[2.5; 3.4] 6.7	[1.7; 2.3] 6.4	[0.91; 1.13] 1.00	[0.89; 1.23] 1.01	[-0.17; 0.25] 0.01
Equatorial Guinea	[0.85; 1.14]	[0.80; 1.35]	[-0.25; 0.41]	[5.0; 8.8]	[4.8; 8.6]	[0.87; 1.15]	[0.75; 1.39]	[-0.30; 0.42]
Eritrea	0.99 [0.86; 1.14]	1.34 [1.03; 1.73]	0.34 [-0.01; 0.77]	4.1 [0.9; 12.4]	3.1 [0.6; 9.3]	1.01 [0.87; 1.40]	0.96 [0.62; 1.43]	-0.06 [-0.55; 0.44]
Estonia	1.68	1.15	-0.53	0.6	0.5 [0.3; 0.8]	0.94	1.15 [0.93; 1.41]	0.21
Ethiopia	[1.51; 1.89] 1.04	[0.93; 1.43] 1.47	[-0.85; -0.18]† 0.43	[0.4; 0.9]	2.4	[0.83; 1.05] 0.97	0.90	[-0.05; 0.51] -0.06
Eunopia	[0.88; 1.24]	[1.15; 1.88] 1.57	[0.05; 0.88]† 0.28	[0.6; 8.4]	[0.4; 5.8] 1.8	[0.84; 1.21] 1.00	[0.59; 1.29] 0.99	[-0.47; 0.35] -0.01
Federated States of Micronesia	[1.13; 1.47]	[1.22; 2.04]	[-0.14; 0.79]	[2.2; 3.8]	[1.4; 2.5]	[0.80; 1.25]	[0.74; 1.30]	[-0.36; 0.37]
Fiji	1.10 [0.96; 1.26]	1.43 [1.20; 1.72]	0.34 [0.04; 0.67]†	3.3 [2.4; 4.2]	2.3 [1.7; 3.0]	1.03 [0.83; 1.50]	1.05 [0.81; 1.30]	0.01 [-0.51; 0.35]
Finland	1.53	1.12	-0.41	0.4	0.4	0.98	1.16	0.18
	[1.38; 1.69] 1.42	[0.94; 1.34] 1.30	[-0.67; -0.13]† -0.12	[0.3; 0.5]	[0.3; 0.5]	[0.88; 1.08] 1.07	[0.97; 1.38]	[-0.05; 0.43] -0.08
France	[1.34; 1.50]	[1.17; 1.45]	[-0.28; 0.06]	[0.4; 0.5]	[0.3; 0.4]	[1.01; 1.13]*	[0.89; 1.11]	[-0.20; 0.06]
Gabon	1.00 [0.87; 1.15]	1.04 [0.81; 1.35]	0.04 [-0.25; 0.38]	6.6 [1.4; 18.6]	6.4 [1.4; 18.0]	1.05 [0.87; 1.62]	1.06 [0.76; 1.69]	0.01 [-0.67; 0.70]
The Gambia	0.98	1.25	0.27	5.0	4.0	1.01	0.94	-0.07
	[0.85; 1.13] 1.70	[0.98; 1.59] 1.53	[-0.05; 0.65] -0.17	[3.8; 6.6]	[3.1; 5.3] 0.8	[0.88; 1.16] 0.94	[0.69; 1.35] 0.99	[-0.38; 0.36] 0.06
Georgia	[1.51; 1.93]	[1.27; 1.85]	[-0.54; 0.22]	[1.0; 1.4]	[0.6; 1.0]	[0.83; 1.06]	[0.83; 1.19]	[-0.16; 0.29]
Germany	1.49 [1.40; 1.57]	1.17 [1.06; 1.28]	-0.32 [-0.46; -0.18]†	0.4 [0.4; 0.5]	0.4 [0.3; 0.4]	1.01 [0.95; 1.07]	1.11 [1.00; 1.22]*	0.10 [-0.02; 0.23]
Ghana	1.00 [0.88; 1.15]	1.16 [0.91; 1.47]	0.15 [-0.15; 0.50]	4.7 [1.9; 8.6]	4.1 [1.7; 7.4]	1.01 [0.87; 1.31]	1.06 [0.74; 1.58]	0.05 [-0.41; 0.61]
Greece	1.51	1.38	-0.13	0.5	0.3	1.00	0.93	-0.06
	[1.39; 1.65] 1.64	[1.18; 1.62] 1.67	[-0.39; 0.14] 0.04	[0.4; 0.6]	[0.3; 0.4] 1.5	[0.92; 1.08] 0.95	[0.80; 1.10] 0.91	[-0.23; 0.12] -0.04
Grenada	[1.43; 1.87]	[1.30; 2.16]	[-0.44; 0.59]	[1.1; 4.5]	[0.6; 2.8]	[0.79; 1.10]	[0.66; 1.20]	[-0.35; 0.31]
Guatemala	1.06 [1.01; 1.12]	1.25 [1.11; 1.42]	0.19 [0.04; 0.36]†	2.2 [2.0; 2.4]	1.7 [1.5; 1.9]	1.07 [0.98; 1.16]	1.28 [1.13; 1.44]*	0.21 [0.03; 0.39]†
Guinea	1.01	1.04	0.03	6.0	5.8	0.99	1.08	0.09
	[0.87; 1.17]	[0.82; 1.32]	[-0.27; 0.35] 0.04	[1.5; 13.8] 5.8	[1.4; 13.3] 5.5	[0.85; 1.18] 1.00	[0.79; 1.69] 1.06	[-0.29; 0.73] 0.06
Guinea-Bissau	[0.89; 1.18]	[0.83; 1.37]	[-0.25; 0.38]	[1.2; 13.5]	[1.1; 12.7]	[0.82; 1.49]	[0.76; 1.67]	[-0.49; 0.71]
Guyana	1.48 [1.32; 1.67]	1.44 [1.16; 1.77]	-0.05 [-0.40; 0.35]	3.2 [2.1; 4.9]	2.2 [1.4; 3.4]	1.03 [0.89; 1.18]	1.04 [0.74; 1.34]	0.01 [-0.33; 0.35]
Haiti	0.99	1.13	0.14	5.4	4.8	1.01	1.02	0.00
	[0.86; 1.14] 1.41	[0.85; 1.44] 1.28	[-0.21; 0.52] -0.12	[1.3; 12.1]	[1.2; 10.6] 2.6	[0.87; 1.27] 0.99	[0.68; 1.56]	[-0.44; 0.57] 0.12
Honduras	[1.23; 1.61]	[1.00; 1.63]	[-0.50; 0.28]	[1.4; 6.9]	[1.1; 5.5]	[0.72; 1.23]	[0.72; 1.53]	[-0.35; 0.64]
Hungary	1.54 [1.42; 1.67]	1.41 [1.20; 1.66]	-0.13 [-0.38; 0.15]	0.6 [0.5; 0.7]	0.4 [0.3; 0.5]	1.03 [0.95; 1.11]	0.93 [0.80; 1.09]	-0.09 [-0.25; 0.09]
Iceland	1.49 [1.31; 1.70]	1.27 [0.99; 1.65]	-0.22 [-0.59; 0.22]	0.4 [0.2; 0.7]	0.3 [0.1; 0.5]	0.99 [0.86; 1.13]	1.02 [0.79; 1.31]	0.03 [-0.26; 0.36]
¶: Sex ratio is outlying in 1990. §: Sex								

	Table 16 – continued from previous page							Female 5q10	
	1990	Sex ratio 5q1	Change	Sex-specific Male	5q10 in 2021 (per 1,000) Female	1990	2021		
			1990-2021					1990-2021	
India	0.96 [0.87; 1.06]	1.34	0.38	2.7 [2.1; 3.4]	2.0 [1.5; 2.5]	1.08 [0.96; 1.22]	1.18 [0.98; 1.39]		
Indonesia	1.09	1.63	0.54	2.5	1.5	1.13	0.92	-0.21	
I di Diri	[0.96; 1.24] 1.03	[1.29; 2.07] 1.39	[0.16; 1.01]† 0.37	[0.9; 5.1] 1.9	[0.5; 3.2] 1.4	[0.90; 1.51] 0.99	[0.65; 1.19]		
Iran (Islamic Republic of)	[0.90; 1.17]	[1.16; 1.68]	[0.08; 0.69]†	[1.5; 2.4]	[1.1; 1.7]	[0.75; 1.26]	[0.95; 1.38]		
Iraq	1.20 [1.04; 1.37]	1.51 [1.18; 1.93]	0.31 [-0.08; 0.78]	3.2 [0.9; 9.0]	2.1 [0.6; 6.0]	1.02 [0.77; 1.42]	0.93 [0.59; 1.28]		
Ireland	1.51 [1.36; 1.67]	1.59 [1.34; 1.88]	0.08 [-0.23; 0.41]	0.4 [0.3; 0.5]	0.3 [0.2; 0.3]	1.01 [0.92; 1.11]	0.81 [0.69; 0.96]*		
Israel	1.47	1.33	-0.14	0.5	0.4	1.02	0.97		
	[1.33; 1.62] 1.59	[1.16; 1.54] 1.32	[-0.37; 0.12] -0.27	[0.4; 0.6] 0.4	[0.3; 0.4]	[0.93; 1.12] 0.95	[0.84; 1.12] 0.97		
Italy	[1.50; 1.69]	[1.18; 1.49]	[-0.45; -0.08]†	[0.3; 0.5]	[0.2; 0.4]	[0.90; 1.01]	[0.86; 1.10]	[-0.10; 0.16]	
Jamaica	1.58 [1.38; 1.80]	1.58 [1.23; 2.05]	0.00 [-0.43; 0.52]	1.7 [1.3; 2.2]	1.1 [0.8; 1.5]	0.99 [0.85; 1.14]	1.00 [0.78; 1.28]		
Japan	1.49 [1.42; 1.57]	1.26 [1.15; 1.37]	-0.24 [-0.37; -0.10]†	0.4 [0.4; 0.5]	0.3 [0.3; 0.4]	0.95 [0.91; 1.01]	1.03 [0.93; 1.13]		
Jordan	1.59	1.56	-0.03	1.2	0.8	0.97	0.95	-0.02	
	[1.40; 1.82] 1.88	[1.20; 2.03] 1.58	[-0.47; 0.50] -0.30	[0.2; 3.3]	[0.1; 2.1] 1.0	[0.79; 1.12] 0.79	[0.70; 1.25]		
Kazakhstan	[1.77; 2.00]	[1.45; 1.72]	[-0.47; -0.11]†	[1.5; 1.8]	[1.0; 1.1]	[0.73; 0.85]*	[0.92; 1.10]	[0.11; 0.33]†	
Kenya	1.12 [0.98; 1.28]	1.27 [0.99; 1.62]	0.15 [-0.19; 0.54]	4.7 [0.9; 12.8]	3.7 [0.7; 10.3]	1.03 [0.82; 1.48]	0.96 [0.66; 1.45]		
Kiribati	1.06	1.26 [0.97; 1.63]	0.20	4.3	3.4	1.01	1.04		
Democratic People's Republic of	[0.92; 1.22] 1.36	1.58	[-0.14; 0.61] 0.22	[3.2; 5.6]	[2.5; 4.5] 1.3	[0.85; 1.23] 0.99	[0.72; 1.48] 1.01	0.02	
Korea	[1.19; 1.56] 1.53	[1.22; 2.06] 1.33	[-0.21; 0.74] -0.20	[1.5; 2.6] 0.5	[1.0; 1.7] 0.3	[0.78; 1.22] 1.05	[0.77; 1.30]		
Republic of Korea	[1.37; 1.70]	[1.14; 1.56]	[-0.46; 0.09]	[0.4; 0.5]	[0.3; 0.4]	[0.94; 1.16]	[0.83; 1.13]	[-0.27; 0.12]	
Kosovo	1.41 [1.23; 1.61]	1.53 [1.18; 1.99]	[-0.30; 0.63]	1.3 [1.0; 1.7]	0.9 [0.6; 1.1]	1.00 [0.79; 1.21]	1.01 [0.78; 1.29]		
Kuwait	1.61	1.30	-0.31	1.0	0.8	0.96	1.13	0.17	
V	[1.42; 1.84] 1.71	[1.09; 1.55] 1.55	[-0.64; 0.02] -0.16	[0.8; 1.4] 1.9	[0.6; 1.1] 1.2	[0.84; 1.10] 0.90	[0.95; 1.35]		
Kyrgyzstan	[1.57; 1.86] 0.98	[1.39; 1.73] 1.31	[-0.38; 0.07] 0.33	[1.7; 2.0] 4.8	[1.1; 1.3] 3.7	[0.81; 0.99]* 1.04	[0.92; 1.15] 0.94		
Lao People's Democratic Republic	[0.85; 1.13]	[1.03; 1.65]	[0.00; 0.72]	[1.7; 8.6]	[1.3; 6.6]	[0.87; 1.56]	[0.65; 1.39]		
Latvia	1.79 [1.62; 1.98]	1.06 [0.86; 1.30]	-0.73 [-1.02; -0.41]†	0.5 [0.3; 0.7]	0.4 [0.3; 0.7]	0.85 [0.74; 0.95]*	1.22 [1.00; 1.50]*		
Lebanon	1.36	1.50	0.14	1.1	0.8	1.00	1.00	0.00	
	[1.19; 1.56] 1.03	[1.16; 1.95] 1.27	[-0.28; 0.65] 0.24	[0.9; 1.5]	[0.6; 1.0]	[0.79; 1.23]	[0.78; 1.27]		
Lesotho	[0.89; 1.18]	[0.98; 1.65]	[-0.09; 0.66]	[1.5; 8.1]	[1.1; 6.4]	[0.85; 1.45]	[0.68; 1.49]	[-0.53; 0.51]	
Liberia	0.99 [0.86; 1.13]	1.09 [0.86; 1.39]	0.11 [-0.18; 0.45]	8.1 [2.0; 19.2]	7.4 [1.8; 17.6]	1.02 [0.87; 1.36]	0.97 [0.72; 1.52]		
Libya	1.55 [1.36; 1.77]	1.62 [1.25; 2.10]	0.07 [-0.39; 0.61]	1.8 [0.3; 6.9]	1.1 [0.2; 4.4]	0.91 [0.63; 1.12]	0.90 [0.60; 1.21]		
Lithuania	1.66	1.30	-0.35	0.8	0.6	0.96	1.07	0.11	
	[1.51; 1.82] 1.45	[1.08; 1.56] 1.34	[-0.63; -0.04]† -0.11	[0.6; 1.0]	[0.4; 0.8] 0.1	[0.87; 1.06]	[0.90; 1.27] 0.96		
Luxembourg	[1.26; 1.65] 1.54	[1.04; 1.73] 1.38	[-0.49; 0.34]	[0.0; 0.4] 1.0	[0.0; 0.3] 0.7	[0.86; 1.14] 1.03	[0.75; 1.24] 1.05	[-0.30; 0.30]	
Macedonia	[1.37; 1.74]	[1.11; 1.72]	-0.17 [-0.53; 0.23]	[0.7; 1.3]	[0.5; 1.0]	[0.92; 1.16]	[0.85; 1.30]		
Madagascar	0.97 [0.85; 1.12]	1.09 [0.88; 1.36]	0.12 [-0.15; 0.43]	8.5 [2.0; 20.4]	7.7 [1.7; 18.6]	1.02 [0.89; 1.19]	0.97 [0.74; 1.50]		
Malawi	0.97	1.20	0.22	5.4	4.5	1.03	0.97	-0.05	
	[0.84; 1.11]	[0.96; 1.49] 1.44	[-0.06; 0.57] -0.13	[2.5; 9.2]	[2.1; 7.7] 0.8	[0.90; 1.21] 0.99	[0.71; 1.47]		
Malaysia	[1.44; 1.70]	[1.32; 1.56]	[-0.30; 0.05]	[1.1; 1.3]	[0.7; 0.9]	[0.90; 1.08]	[0.97; 1.14]	[-0.06; 0.19]	
Maldives	1.29 [1.13; 1.47]	1.44 [1.12; 1.83]	0.14 [-0.24; 0.59]	1.0 [0.5; 1.5]	0.7 [0.4; 1.0]	1.06 [0.83; 1.30]	1.01 [0.78; 1.29]		
Mali	0.95	0.93 [0.74; 1.17]	-0.02 [-0.26; 0.25]	8.1 [2.5; 15.6]	8.7 [2.7; 16.8]	1.05 [0.91; 1.25]	1.12 [0.86; 1.73]		
Malta	1.39	1.35	-0.04	0.7	0.5	1.00	1.00	0.00	
	[1.22; 1.60] 1.31	[1.05; 1.75] 1.52	[-0.43; 0.41] 0.21	[0.3; 1.1]	[0.2; 0.8] 2.1	[0.85; 1.19] 0.99	[0.77; 1.29] 0.99	0.00	
Marshall Islands	[1.15; 1.50] 1.03	[1.18; 1.97] 1.35	[-0.20; 0.71] 0.32	[2.5; 4.2] 4.0	[1.6; 2.8] 3.0	[0.79; 1.24] 1.02	[0.72; 1.32]	[-0.35; 0.38] -0.07	
Mauritania	[0.90; 1.18]	[1.07; 1.69]	[-0.01; 0.71]	[0.8; 9.0]	[0.6; 6.7]	[0.86; 1.54]	[0.64; 1.38]	[-0.65; 0.38]	
Mauritius	1.48 [1.31; 1.67]	1.33 [1.07; 1.65]	-0.16 [-0.49; 0.23]	1.1 [0.8; 1.4]	0.8 [0.6; 1.1]	1.08 [0.95; 1.22]	1.12 [0.91; 1.37]	0.04 [-0.23; 0.34]	
Mexico	1.53	1.36	-0.16	1.6	1.2	1.02	1.16	0.15	
	[1.48; 1.58] 1.57	[1.27; 1.47] 1.43	[-0.27; -0.05]† -0.14	[1.5; 1.8] 1.6	[1.1; 1.3] 1.1	[0.97; 1.06] 1.00	[1.08; 1.25]* 1.10	[0.05; 0.25]† 0.10	
Republic of Moldova	[1.43; 1.72] 1.50	[1.20; 1.70] 1.29	[-0.42; 0.18] -0.21	[1.2; 1.9] 0.5	[0.9; 1.4] 0.4	[0.91; 1.11] 1.00	[0.93; 1.30] 1.00	[-0.11; 0.33] 0.00	
Monaco	[1.31; 1.71]	[0.99; 1.68]	[-0.60; 0.25]	[0.4; 0.6]	[0.3; 0.5]	[0.87; 1.14]	[0.78; 1.30]	[-0.27; 0.34]	
Mongolia	1.20 [1.06; 1.34]	1.77 [1.48; 2.10]	0.57 [0.23; 0.95]†	2.3 [1.8; 2.7]	1.3 [1.0; 1.6]	0.98 [0.83; 1.18]	0.90 [0.76; 1.08]	-0.07 [-0.33; 0.17]	
Montenegro	1.55	1.36	-0.19	0.5	0.4	1.00	0.97	-0.03	
	[1.36; 1.77] 1.62	[1.05; 1.76] 1.58	[-0.59; 0.27] -0.04	[0.2; 0.9] 0.8	[0.2; 0.7] 0.5	[0.86; 1.14] 0.99	[0.75; 1.25] 0.90	[-0.30; 0.29] -0.09	
Montserrat	[1.42; 1.85] 1.34	[1.22; 2.03] 1.42	[-0.49; 0.48] 0.08	[0.6; 1.1] 1.1	[0.4; 0.7] 0.8	[0.87; 1.12] 1.01	[0.71; 1.14] 1.03	[-0.34; 0.19] 0.02	
Morocco	[1.17; 1.52]	[1.11; 1.84]	[-0.30; 0.55]	[0.2; 2.8]	[0.2; 2.0]	[0.76; 1.27]	[0.77; 1.35]	[-0.36; 0.45]	
Mozambique	0.99 [0.84; 1.17]	1.04 [0.80; 1.35]	0.05 [-0.27; 0.42]	6.0 [1.3; 15.4]	5.8 [1.2; 14.8]	1.02 [0.88; 1.40]	1.08 [0.77; 1.73]	0.06 [-0.42; 0.73]	
Myanmar	1.05	1.57	0.52	2.4	1.5	1.01	0.92	-0.09	
·	[0.91; 1.20]	[1.21; 2.02] 1.01	[0.11; 1.00]† -0.13	[0.4; 6.3]	[0.3; 4.1] 6.4	[0.82; 1.56] 1.00	[0.61; 1.25]	[-0.73; 0.30] 0.09	
Namibia W. Say ratio is outlying in 1000, 8: Say	[0.99; 1.30]	[0.79; 1.30]	[-0.41; 0.22]	[1.9; 13.0]	[1.9; 12.9]	[0.80; 1.46]	[0.79; 1.72]	[-0.51; 0.76]	
¶: Sex ratio is outlying in 1990. §: Sex	rano is outlying ii	1 2021. T. The ra	no or esumated to e	apecieu iemale	mortanty is significantly dif	icieni nom one. T	. Change is signific	anny unierent from zero.	

^{¶:} Sex ratio is outlying in 1990. §: Sex ratio is outlying in 2021. *: The ratio of estimated to expected female mortality is significantly different from one. †: Change is significantly different from zero.

Continued on next page

Per		_	Con notic Eal	Table 16 – con			I.	timatad/Euroatad	famala 5a10
Neme		1990		Change					Change
Name		1.16	1.55		3.1	2.0	1.00	0.99	
Nome	Nauru	[1.00; 1.33]	[1.20; 2.00]	[-0.02; 0.90]	[2.3; 4.0]	[1.5; 2.6]	[0.82; 1.27]	[0.73; 1.31]	[-0.37; 0.35]
	Nepal								
New Zealand	Netherlands								
	New Zealand	1.58	1.29	-0.29	0.7	0.5	1.01	1.05	0.04
Nome									
Nigeria	Nicaragua	[1.33; 1.74]	[1.22; 2.05]	[-0.38; 0.59]	[0.7; 6.0]	[0.4; 3.8]	[0.68; 1.15]	[0.62; 1.25]	[-0.41; 0.41]
Name	Niger	[0.85; 1.14]	[0.78; 1.23]	[-0.27; 0.29]	[3.0; 23.5]	[3.1; 23.9]	[0.88; 1.23]	[0.81; 1.53]	[-0.31; 0.53]
No.	Nigeria								
Nerway 1.60	Niue	1.76	1.65		2.9	1.7		0.94	0.07
Common	Norway	1.60	1.04	-0.55	0.4	0.4	0.94	1.24	0.30
Pakisima									
Palam		[1.07; 1.42]	[1.20; 2.04]				[0.81; 1.28]	[0.77; 1.28]	
Paname 1,31; 17] 1,27; 14] 1,030; 070 1,17; 28] 1,10; 18] 0,05; 13] 1,46 1,09; 13] 1,46 1,09; 13] 1,46 1,09; 13] 1,46 1,09; 13] 1,46 1,09; 13] 1,46 1,09; 13] 1,46 1,09; 13] 1,46 1,09; 13] 1,46 1,09; 13] 1,46 1,09; 13] 1,46 1,09; 13] 1,46 1,09; 13] 1,46 1,09; 13] 1,46 1,09; 13] 1,46 1,09; 13] 1,46 1,09; 13] 1,46 1	Pakistan	[0.97; 1.19]	[0.89; 1.43]	[-0.22; 0.38]	[1.1; 8.9]	[1.0; 8.0]	[0.89; 1.19]	[0.79; 1.67]	[-0.28; 0.68]
Panama	Palau								
Page 1.0	Panama	1.46	1.39	-0.07	1.9	1.4	1.09	1.15	0.06
Paraguay	Papua New Guinea	1.08	1.26	0.18	3.9	3.1	1.01	1.09	0.09
Peru	_								
Printippines 1.15, 1.49 1.01; 1.61 (-0.37; 0.35) (0.62; 2.5] (0.52; 0.5) (0.78; 1.28) (0.94; 1.52) (0.94; 0.50) (0.96) (0.97; 1.28) (0.94; 1.52) (0.96; 0.50) (0.87; 1.28) (0.94; 1.52) (0.96; 0.50) (0.87; 1.28) (0.94; 1.52) (0.96; 0.50) (0.87; 1.28) (0.96; 0.26) (0.96; 0.26) (0.87; 1.28) (0.98; 1.25) (0.96; 0.26) (0.88; 0.39) (1.07; 0.24) (0.96; 0.26) (0.96; 0.26) (0.88; 0.39) (0.61; 0.38) (0.96; 0.26)	Paraguay								
Palipropines	Peru	[1.15; 1.49]	[1.01; 1.61]	[-0.37; 0.35]	[0.6; 2.5]	[0.5; 2.0]	[0.78; 1.28]	[0.94; 1.52]	[-0.19; 0.60]
Poland	Philippines								
Portugal	Poland			-0.60					
Color	Portugal	1.68	1.19	-0.49	0.5	0.4	0.95	1.09	0.13
Commania 1.12 1.145 1.101.17.8 1.09.00.12.8 1.09.1.10 1.09.8 1.09 1.144 1.014 1.00.00.0.20 1.00.00.0.20 1.00.0.0.0.20 1.00.0.0.20 1.00.0.0.20 1.00.0.0.20 1.00.0.0.20 1.00.0.0.20 1.00.0.0.20 1.00.0.0.20 1.00.0.0.20 1.00.0.0.0.20 1.00.0.0.0.0.00 1.00.0.0.0.0.00 1.00.0.0.0.00 1.00.0.0.0.00 1.00.0.0.0.00 1.00.0.0.0.00 1.00.0.0.0.00 1.00.0.0.0.00 1.00.0.0.0.00 1.00.0.0.0.00 1.00.0.0.0.00 1.00.0.0.0.00 1.00.0.0.0.00 1.00.0.0.0.00 1.00.0.0.0.00 1.00.0.0.0.00 1.00.0.0.0.0.00 1.00.0.0.0.0.00 1.00.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.									
Romana [162; 182] [128; 15] [1648; -0.01] [09; 1.3] [066; 0.9] [085; 0.97] [0.94; 1.16] [0.00; 0.26] Russian Federation [192; 2.66] [1.38; 1.61] [1.664; -0.36] [1.1; 1.4] [0.70; 0.9] [0.74; 0.81]* [0.95; 1.11] [0.16; 0.34]* Rwanda [106 1.05 0.33 7.0 6.6 0.98 1.04 0.05 Saint Kitts and Nevis [1.65 1.60 0.05 1.9 1.2 (0.86; 1.14) [0.76; 1.65] [0.28; 0.99] Saint Lucia [1.60 1.59 0.02 1.5 0.9 0.06 0.55 0.00 Samoa [1.50] 1.51 0.01 1.5 0.9 0.06 0.55 0.00 Samoa [1.57] 1.51 0.01 1.5 1.0 0.06 1.0 0.0 0.0 0.5 0.00 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0 1.0 1.0 <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	-								
Rissian recuration [1,92; 2,06] [1,38; 1,61] [0.64; 0.36]* [1,1; 1,4] [0,70; 0] (0.74; 0.81)* [0.95; 1,11] [0.16; 0.36]* Rwanda [1,02] 1.05 0.30 7.0 6.66 0.98 1.04 0.05 Saint Kitts and Nevis [1,65] 1.60 -0.55 1.9 1.2 0.94 1.00 0.66 Saint Lucia [1,46] 1.83 [1,22; 2.06] [-0.52; 0.48] [1.5; 2.5] [0.9; 1.6] (0.79; 1.09) [0.77; 1.29] [-0.23; 0.40] Samca [1,50] 1.55 0.00 1.50 0.0 <td< td=""><td>Romania</td><td>[1.62; 1.82]</td><td>[1.28; 1.59]</td><td>[-0.48; -0.10]†</td><td>[0.9; 1.3]</td><td>[0.6; 0.9]</td><td>[0.85; 0.97]*</td><td>[0.94; 1.16]</td><td>[0.00; 0.26]†</td></td<>	Romania	[1.62; 1.82]	[1.28; 1.59]	[-0.48; -0.10]†	[0.9; 1.3]	[0.6; 0.9]	[0.85; 0.97]*	[0.94; 1.16]	[0.00; 0.26]†
Kwanda (0.86; 1.19) (0.83; 1.33) [-0.27; 0.36] [1.1; 23.1] [1.0; 21.7] (0.86; 1.14) (0.76; 1.65) [-0.28; 0.69] Saint Kitt and Nevis [1.65] 1.60 -0.05 1.9 1.2 0.94 1.00 0.06 Saint Lucia [1.60] 1.59 -0.02 1.5 0.9 0.96 0.95 0.00 Samoa [1.31; 1.72] [1.15] 0.01 1.5 1.0 0.96 1.00 0.04 Samoa [1.31; 1.72] [1.17; 1.95] [-0.41; 0.51] [0.41; 0.51] [0.42; 0.0] 1.00 0.06 1.00 0.04 Sam Marino [1.59; 1.81] [1.00; 1.67] [-0.69; 0.16] [0.2; 0.41] [0.2; 0.3] [0.88; 1.14] [0.77; 1.29] [0.30; 0.44] Saudi Arabia [1.57; 1.81] [1.17; 1.95] [-0.69; 0.16] 0.2; 0.3 0.2 1.00 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 <td>Russian Federation</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Russian Federation								
Saint Kitts and Nevis 1.65 1.60 -0.05 1.9 1.2 0.94 1.00 0.06 Saint Lucia 1.60 1.59 -0.02 1.5 0.9 0.06 0.95 0.09 Samel 1.60 1.59 -0.02 1.5 0.0 1.06 0.95 0.00 Samoa 1.51 0.01 1.5 0.01 1.5 1.0 0.96 1.00 1.00 0.04 Samoa 1.31:1.721 1.17:1.951 1.00 1.5 1.0 0.96 1.00 0.00 0.00 Sam Marino 1.59 1.29 -3.0 0.3 0.2 1.00 1.00 0.00 0.00 Saudi Arabia 1.10 1.51 1.00 1.51 1.02 2.2 1.4 1.00 1.0 1.00 0.00 Saudi Arabia 1.15 1.14 4.02 0.9 0.6 1.00 1.0 1.0 1.0 0.00 0.0 Seregal	Rwanda								
Saint Lucia	Saint Kitts and Nevis	1.65	1.60	-0.05	1.9	1.2	0.94	1.00	0.06
Samoa 1.50 1.51 0.01 1.5 1.00 0.15 1.00 0.96 1.00 0.04									
Samoa [1,3]; 1/2] [1,17; 195] [-0.4]; 0.51] [0.4; 3.0] [0.2; 2.0] [0.68; 1.17] [0.75; 1.3] [-0.30; 0.44] San Marino [1,39; 1.81] [1,00; 1.67] [-0.69; 0.16] [0.2; 0.4] [0.2; 0.3] [0.88; 1.14] [0.77; 1.29] [-0.29; 0.33] Sao Tome and Principe [0.87; 1.15] [1,17; 1.95] [0.12; 0.97] [1,17; 1.95] [0.12; 0.97] [1,17; 1.95] [0.22; 0.4] [1.19] [0.87; 1.16] [0.82; 1.36] [-0.25; 0.40] 0.00 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>									
San Marino	Samoa	[1.31; 1.72]	[1.17; 1.95]	[-0.41; 0.51]	[0.4; 3.0]	[0.2; 2.0]	[0.68; 1.17]	[0.75; 1.31]	[-0.30; 0.44]
Sao tome and Principe (0.87; 1.15) (1.17; 1.95) (0.12; 0.97)† (1.7; 2.8) (1.1; 1.9) (0.87; 1.16) (0.82; 1.36) (-0.25; 0.40) Saudi Arabia (1.02; 1.35) (1.10; 1.86) (-0.14; 0.73) (0.7; 1.2) (0.5; 0.81) (0.82; 1.27) (0.78; 1.28) (-0.38; 0.37) Senegal (1.00) (1.41) (0.42) (4.2) (4.2) (3.0) (1.01) (0.63; 1.30) (-0.50; 0.33) Serbia (1.54) (1.39; 1.72) (1.23; 1.79) (-0.38; 0.81)† (1.2; 8.3) (0.85; 5.9) (0.87; 1.30) (0.63; 1.30) (-0.50; 0.33) Serbia (1.54) (1.39; 1.72) (1.23; 1.79) (-0.38; 0.31) (0.6; 1.0) (0.4; 0.7) (0.93; 1.15) (0.79; 1.12) (-0.30; 0.13) Seychelles (1.60) (1.60) (0.90) (1.6) (1.0) (0.97) (0.93; 1.15) (0.79; 1.12) (-0.30; 0.13) Sierra Leone (0.86; 1.15) (0.74; 1.14) (-0.32; 0.19) (2.7; 20.5) (2.9; 22.5) (0.86; 1.53) (0.88; 1.72) (-0.44; 0.73) Singapore (1.54) (1.28) (-0.23; 0.01) (0.20; 0.12) (0.30; 0.5) (0.2; 0.44) (0.91; 1.15) (0.88; 1.72) (-0.44; 0.73) Slovakia (1.61) (1.27) (-0.29; 0.06)† (0.6; 0.9) (0.4; 0.7) (0.90; 1.07) (0.90; 1.07) (0.92; 1.26) (-0.10; 0.31) Slovenia (1.60) (1.30) (-0.50; 0.06) (0.6; 0.11) (0.3; 0.6) (0.2; 0.44) (0.86; 1.09) (0.78; 1.26) (-0.23; 0.32) Solomon Islands (1.24; 1.62) (1.24; 1.62) (1.22; 0.2) (-0.29; 0.06)† (0.6; 0.11) (0.3; 0.6) (0.2; 0.44) (0.86; 1.09) (0.78; 1.26) (-0.23; 0.32) South Africa (1.54) (1.97; 1.31) (1.97; 1.31) (-0.50; 0.01) (1.84; 0.7) (1.84; 0.7) (0.87; 1.14) (0.76; 1.34) (-0.30; 0.38) (-0.90; 0.01) (0.87; 1.15) (0.63; 1.10) (0.89; 1.15) (-0.16; 0.13) South Sudan (1.60) (1.00) (1.00) (1.00) (1.00) (0.00) (0.85; 1.17) (0.77; 1.31) (-0.30; 0.36) (6.3; 11.0) (6.2; 11.0) (0.87; 1.15) (0.89; 1.15) (-0.16; 0.13) (-0.00; 0.16) (-0.00) (0.85; 1.17) (-0.77; 1.31) (-0.30; 0.36) (6.3; 11.0) (6.2; 11.0) (0.87; 1.15) (0.87; 1.15) (-0.76; 1.34) (-	San Marino								
Saudi Arabia	Sao Tome and Principe								
Senegal 1.00	Saudi Arabia	1.17	1.43	0.26	0.9	0.6	1.00	1.00	0.00
Serbia 1.54 1.49 -0.05 0.8 0.5 1.03 0.94 -0.10 Seychelles 1.54 1.49 -0.05 0.8 0.5 1.03 0.94 -0.10 Seychelles 1.60 1.69 0.09 1.6 1.0 0.97 0.90 -0.07 Sierra Leone 1.93; 1.82] [1.32; 2.16] [-0.37; 0.62] [0.5; 3.4] [0.3; 2.0] [0.81; 1.12] [0.68; 1.17] [-0.36; 0.26] Sierra Leone 0.99 0.91 -0.08 9.5 10.4 1.03 1.13 0.10 Singapore 1.54 1.28 -0.27 0.4 0.3 1.03 1.01 -0.02 Slovakia 1.61 1.27 -0.34 0.7 0.6 0.98 1.08 0.10 Slovenia 1.60 1.30 -0.30 0.4 0.3 0.97 0.99 0.02 Slovenia 1.42 1.56 1.66 1.07; 1.50] [0.66; 0.11] [0.6; 0.9] [0.4; 0	Sanagal	1.00	1.41	0.42		3.0	1.01	0.91	-0.10
Serola [1.39; 1.72] [1.23; 1.79] [-0.38; 0.31] [0.6; 1.0] [0.4; 0.7] [0.93; 1.15] [0.79; 1.12] [-0.30; 0.13] Seychelles 1.60 1.69 0.09 1.6 1.0 0.97 0.90 -0.07 Sierra Leone 0.99 0.91 -0.08 9.5 10.4 1.03 1.13 0.10 Singapore 1.54 1.28 -0.27 0.4 0.3 1.03 1.01 -0.02 Slovakia 1.61 1.27 -0.34 0.7 0.6 0.98 1.08 1.08 Slovenia 1.60 1.27 -0.34 0.7 0.6 0.98 1.08 0.10 Slovenia 1.60 1.30 -0.30 0.4 0.3 0.99 0.02 1.00 0.02 1.00 1.08 1.08 0.10 1.01 -0.02 1.00 1.01 -0.02 1.00 1.01 -0.02 1.00 1.01 -0.01 0.02 1.00 1.02 0.03	-								
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Serbia	[1.39; 1.72]	[1.23; 1.79]	[-0.38; 0.31]	[0.6; 1.0]	[0.4; 0.7]	[0.93; 1.15]	[0.79; 1.12]	[-0.30; 0.13]
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Seychelles	[1.39; 1.82]	[1.32; 2.16]	[-0.37; 0.62]	[0.5; 3.4]	[0.3; 2.0]	[0.81; 1.12]	[0.68; 1.17]	[-0.36; 0.26]
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Sierra Leone								
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Singapore	1.54	1.28	-0.27	0.4	0.3	1.03	1.01	-0.02
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Slovakia	1.61	1.27	-0.34	0.7	0.6	0.98	1.08	0.10
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		1.60		-0.30	0.4	0.3		0.99	0.02
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		[1.41; 1.80]	[1.02; 1.66]	[-0.66; 0.11]	[0.3; 0.6]	[0.2; 0.4]	[0.86; 1.09]	[0.78; 1.26]	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Solomon Islands	[1.24; 1.62]	[1.21; 2.02]	[-0.29; 0.67]	[1.8; 3.0]	[1.1; 2.0]	[0.79; 1.21]	[0.78; 1.32]	[-0.31; 0.40]
South Africa [1.39; 1.80] [1.19; 1.61] $[-0.50; 0.12]$ $[2.7; 4.5]$ $[2.0; 3.2]$ $[0.63; 1.10]$ $[0.83; 1.28]$ $[-0.16; 0.53]$ South Sudan 1.00 1.00 0.01 8.4 8.3 1.00 1.00 0.00 $[0.85; 1.17]$ $[0.77; 1.31]$ $[0.30; 0.36]$ $[6.3; 11.0]$ $[0.87; 1.15]$ $[0.76; 1.34]$ $[-0.30; 0.38]$ Spain $[1.50]$ $[1.28]$ -0.22 0.4 0.3 1.03 1.01 -0.03 $[1.42; 1.59]$ $[1.13; 1.44]$ $[-0.40; -0.04]^{\dagger}$ $[0.4; 0.5]$ $[0.3; 0.4]$ $[0.98; 1.10]$ $[0.89; 1.15]$ $[-0.16; 0.12]$	Somalia	[0.85; 1.14]	[0.76; 1.28]	[-0.28; 0.33]	[6.9; 12.2]	[7.0; 12.3]	[0.87; 1.14]	[0.77; 1.32]	[-0.28; 0.36]
South Sudan 1.00 [0.85; 1.17] 1.00 [0.30; 0.36] 8.4 [6.3; 11.0] 8.3 [1.00 [0.87; 1.15] 1.00 [0.76; 1.34] 0.00 [0.30; 0.38] Spain 1.50 [1.42; 1.59] 1.13; 1.44] $[-0.40; -0.04]^+$ $[0.4; 0.5]$ $[0.3; 0.4]$ $[0.98; 1.10]$ $[0.99; 1.15]$ $[-0.16; 0.12]$	South Africa								
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	South Sudan	1.00	1.00	0.01	8.4	8.3	1.00	1.00	0.00
		1.50	1.28	-0.22	0.4	0.3	1.03	1.01	-0.03
0.17 - 1.24 -0.15 0.9 0.7 1.07 1.16 0.09									
Sri Lamka [1.25; 1.54] [1.02; 1.52] [-0.43; 0.18] [0.7; 1.3] [0.5; 1.0] [0.94; 1.21] [0.96; 1.40] [-0.17; 0.38]		[1.25; 1.54]	[1.02; 1.52]	[-0.43; 0.18]	[0.7; 1.3]	[0.5; 1.0]	[0.94; 1.21]	[0.96; 1.40]	[-0.17; 0.38]
Saint vincent and the Grenadines [1.39; 1.81] [1.10; 1.85] [-0.57; 0.33] [1.9; 6.0] [1.3; 4.2] [0.83; 1.13] [0.65; 1.38] [-0.37; 0.43]	Saint Vincent and the Grenadines	[1.39; 1.81]	[1.10; 1.85]	[-0.57; 0.33]	[1.9; 6.0]	[1.3; 4.2]	[0.83; 1.13]	[0.65; 1.38]	[-0.37; 0.43]
State of Palestine 1.60 1.60 0.00 2.2 1.4 0.95 0.94 -0.01 [1.40; 1.82] [1.25; 2.07] [-0.43; 0.54] [0.6; 4.8] [0.4; 3.1] [0.73; 1.11] [0.67; 1.24] [-0.34; 0.36]	State of Palestine								
Sudan $\begin{bmatrix} 1.01 & 1.47 & 0.46 & 3.3 & 2.3 & 1.04 & 0.91 & -0.13 \\ [0.89; 1.16] & [1.15; 1.88] & [0.08; 0.90]^{\dagger} & [0.6; 9.3] & [0.4; 6.4] & [0.87; 1.59] & [0.59; 1.28] & [-0.77; 0.29] \end{bmatrix}$	Sudan	1.01	1.47	0.46	3.3	2.3	1.04	0.91	-0.13
Surjagnes 1.54 0.71 -0.83 1.7 2.4 0.98 2.21 1.23	Suriname§	1.54	0.71	-0.83	1.7	2.4	0.98	2.21	1.23
[1.35; 1.75] [0.60; 0.85] [-1.08; -0.58]† [1.1; 2.4] [1.6; 3.3] [0.81; 1.14] [1.85; 2.63]* [0.82; 1.69]† Sex ratio is outlying in 1990. §: Sex ratio is outlying in 2021. *: The ratio of estimated to expected female mortality is significantly different from one. †: Change is significantly different from zero.									

		Sex ratio 5q10	Table 16 – com		5q10 in 2021 (per 1,000)	Est	imated/Expected	female 5a10
	1990	2021	Change	Male	Female	1990	2021	Change
			1990-2021					1990-2021
Eswatini	1.07	1.60	0.53	2.0	1.3	1.02	0.73	-0.29
	[0.93; 1.22] 1.35	[1.24; 2.05]	[0.11; 1.03]† -0.11	[0.6; 18.6] 0.4	[0.4; 11.7] 0.4	[0.82; 1.55] 1.05	[0.51; 1.14] 1.04	[-0.92; 0.19] -0.01
Sweden	[1.23; 1.49]	[1.07; 1.45]	[-0.35; 0.15]	[0.4; 0.5]	[0.3; 0.4]	[0.96; 1.15]	[0.89; 1.21]	[-0.20; 0.19]
Switzerland	1.57	1.11	-0.46	0.4	0.4	0.97	1.16	0.19
Switzerland	[1.42; 1.74]	[0.94; 1.31]	[-0.71; -0.20]†	[0.3; 0.5]	[0.3; 0.5]	[0.88; 1.06]	[0.98; 1.38]	[-0.02; 0.44]
Syria	1.26 [1.12; 1.43]	1.55 [1.26; 1.96]	0.29 [-0.07; 0.73]	2.7 [0.8; 5.5]	1.7 [0.5; 3.6]	1.06 [0.82; 1.33]	0.96 [0.68; 1.21]	-0.10 [-0.49; 0.27]
	1.68	1.36	-0.31	1.2	0.9	0.78	1.12	0.34
Tajikistan	[1.54; 1.82]	[1.21; 1.53]	[-0.53; -0.09]†	[1.1; 1.3]	[0.8; 1.0]	[0.69; 0.88]*	[1.00; 1.25]*	[0.18; 0.50]†
Tanzania	0.98	1.39	0.41	4.2	3.0	1.05	0.86	-0.18
	[0.86; 1.12] 1.51	[1.08; 1.79] 1.76	[0.05; 0.83]† 0.26	[0.7; 17.2]	[0.5; 12.4] 1.8	[0.89; 1.50] 1.00	[0.59; 1.33]	[-0.67; 0.31] -0.13
Thailand	[1.35; 1.69]	[1.49; 2.09]	[-0.09; 0.63]	[2.8; 3.6]	[1.6; 2.1]	[0.87; 1.13]	[0.71; 1.05]	[-0.34; 0.10]
Timor Leste	0.98	1.22	0.24	4.3	3.5	1.01	1.06	0.05
Timor Leste	[0.85; 1.13]	[0.94; 1.59]	[-0.10; 0.64]	[3.3; 5.6]	[2.6; 4.7]	[0.88; 1.17]	[0.74; 1.53]	[-0.32; 0.54]
Togo	1.00 [0.88; 1.15]	1.11 [0.87; 1.41]	0.10 [-0.20; 0.45]	5.1 [1.3; 10.1]	4.6 [1.2; 9.1]	1.03 [0.87; 1.55]	1.07 [0.75; 1.64]	0.05 [-0.58; 0.65]
_	1.63	1.43	-0.20	0.9	0.6	0.95	1.01	0.06
Tonga	[1.43; 1.86]	[1.11; 1.86]	[-0.61; 0.30]	[0.2; 2.1]	[0.1; 1.5]	[0.77; 1.10]	[0.76; 1.33]	[-0.25; 0.44]
Trinidad and Tobago	1.45	1.32	-0.12	1.5	1.1	1.10	1.17	0.07
	[1.29; 1.62] 1.46	[1.10; 1.60] 1.52	[-0.42; 0.20] 0.06	[1.0; 2.0] 1.9	[0.8; 1.5]	[0.98; 1.24] 1.00	[0.98; 1.40] 1.05	[-0.18; 0.34] 0.05
Tunisia	[1.28; 1.66]	[1.24; 1.86]	[-0.30; 0.46]	[1.5; 2.5]	[0.9; 1.7]	[0.83; 1.18]	[0.86; 1.29]	[-0.23; 0.36]
Toulean	1.54	1.48	-0.06	1.2	0.8	0.98	1.02	0.04
Turkey	[1.35; 1.75]	[1.34; 1.64]	[-0.32; 0.19]	[1.0; 1.3]	[0.7; 0.9]	[0.75; 1.15]	[0.93; 1.13]	[-0.15; 0.30]
Turkmenistan	1.36	1.44	0.08	2.2	1.5	1.05	1.11	0.05
	[1.22; 1.51]	[1.19; 1.75] 1.41	[-0.22; 0.44] -0.19	[1.6; 3.0] 0.9	[1.1; 2.1]	[0.91; 1.21] 0.99	[0.90; 1.34] 1.01	[-0.22; 0.34] 0.02
Turks and Caicos Islands	[1.41; 1.83]	[1.10; 1.83]	[-0.61; 0.29]	[0.7; 1.2]	[0.5; 0.8]	[0.87; 1.13]	[0.79; 1.28]	[-0.25; 0.33]
Tuvalu	1.25	1.59	0.34	2.6	1.6	1.00	0.99	-0.01
10.000	[1.09; 1.43] 0.98	[1.22; 2.06]	[-0.09; 0.85] 0.15	[2.0; 3.3] 5.4	[1.2; 2.2] 4.8	[0.80; 1.27] 1.03	[0.75; 1.30]	[-0.37; 0.37]
Uganda	[0.85; 1.12]	1.13 [0.89; 1.44]	[-0.15; 0.50]	[1.3; 11.5]	[1.2; 10.2]	[0.89; 1.40]	1.02 [0.73; 1.59]	-0.01 [-0.47; 0.60]
Ukraine	1.79	1.54	-0.26	1.1	0.7	0.89	0.97	0.08
Ukraine	[1.71; 1.88]	[1.41; 1.68]	[-0.41; -0.09]†	[1.0; 1.2]	[0.6; 0.8]	[0.84; 0.94]*	[0.89; 1.06]	[-0.01; 0.18]
United Arab Emirates	1.60	1.42	-0.18	0.9	0.6	1.00	1.00	0.00
	[1.39; 1.82] 1.50	[1.10; 1.85] 1.37	[-0.60; 0.33] -0.13	[0.7; 1.1]	[0.4; 0.8]	[0.87; 1.14] 1.01	[0.78; 1.27]	[-0.28; 0.32] -0.07
United Kingdom	[1.42; 1.59]	[1.24; 1.52]	[-0.30; 0.05]	[0.4; 0.5]	[0.3; 0.4]	[0.95; 1.06]	[0.84; 1.05]	[-0.18; 0.06]
United States of America	1.64	1.40	-0.24	0.9	0.6	0.97	1.02	0.06
	[1.58; 1.70]	[1.28; 1.54]	[-0.37; -0.09]† -0.33	[0.8; 1.0]	[0.6; 0.7]	[0.93; 1.01] 0.95	[0.94; 1.12]	[-0.04; 0.15]
Uruguay	1.68 [1.51; 1.87]	1.36 [1.14; 1.62]	[-0.63; 0.01]	1.0 [0.7; 1.2]	[0.5; 0.9]	[0.85; 1.06]	1.07 [0.90; 1.27]	0.12 [-0.09; 0.35]
Uzbekistan	1.45	1.35	-0.10	1.9	1.4	1.00	1.18	0.19
Uzbekistan	[1.31; 1.61]	[1.18; 1.55]	[-0.35; 0.16]	[1.8; 2.1]	[1.3; 1.6]	[0.87; 1.13]	[1.03; 1.36]*	[-0.03; 0.41]
Vanuatu	1.45	1.60	0.15	2.8	1.7	0.99	0.98	-0.01
	[1.27; 1.67] 1.58	[1.23; 2.08] 1.54	[-0.31; 0.68] -0.04	[2.1; 3.6] 2.5	[1.3; 2.3]	[0.79; 1.19] 1.00	[0.74; 1.29]	[-0.33; 0.37] 0.03
Venezuela (Bolivarian Republic of)	[1.41; 1.76]	[1.27; 1.85]	[-0.38; 0.33]	[1.8; 3.3]	[1.2; 2.2]	[0.89; 1.12]	[0.84; 1.25]	[-0.20; 0.29]
Vietnam	1.49	1.81	0.32	2.1	1.1	0.97	0.87	-0.10
	[1.31; 1.70]	[1.42; 2.30]	[-0.14; 0.86]	[1.2; 3.2]	[0.7; 1.8]	[0.68; 1.18]	[0.68; 1.11]	[-0.40; 0.28]
Yemen	1.03 [0.90; 1.17]	1.54 [1.14; 2.21]	0.51 [-0.04; 1.20]	3.0 [0.5; 8.8]	2.0 [0.2; 5.9]	1.02 [0.87; 1.41]	0.90 [0.55; 1.28]	-0.12 [-0.64; 0.29]
7hi.	1.00	1.37	0.36	4.3	3.2	1.01	0.90	-0.11
Zambia	[0.88; 1.14]	[1.07; 1.76]	[0.01; 0.78]†	[0.8; 10.6]	[0.6; 7.8]	[0.87; 1.33]	[0.61; 1.34]	[-0.55; 0.37]
Zimbabwe	1.14	1.01	-0.13	6.7	6.6	1.03	1.08	0.05
	[1.00; 1.30]	[0.80; 1.28]	[-0.41; 0.19]	[2.4; 12.2]	[2.4; 12.1]	[0.81; 1.46]	[0.80; 1.67]	[-0.46; 0.66]

Table 17: Estimates and 90% uncertainty intervals for sex ratios for 10q5 in 1990 and 2021, the change in sex ratios from 1990 to 2021, sex-specific 10q5 in 2021, and ratios of estimated to expected female 10q5 and their change from 1990 to 2021 for the world, UNICEF regions, and all countries. ¶: Sex ratio is outlying in 1990. §: Sex ratio is outlying in 2021. *: The ratio of estimated to expected female mortality is significantly different from one. †: Change is significantly different from zero.

		Sex ratio 10q	5	Sex-specific 1	0q5 in 2021 (per 1,000)	Est	timated/Expected	female 10q5
	1990	2021	Change 1990–2021	Male	Female	1990	2021	Change 1990–2021
World	1.06 [1.04; 1.09]	1.16 [1.12; 1.20]	0.10	6.6 [6.4; 7.3]	5.7 [5.5; 6.3]	1.03 [1.00; 1.06]*	1.00 [0.96; 1.04]	-0.03 [-0.06; 0.01]
South Asia¶	0.94	1.27	0.33	5.2	4.1	1.10	1.13	0.02
Europe and Central Asia	[0.89; 0.98]	[1.16; 1.38]	[0.21; 0.45]†	[4.6; 6.1]	[3.6; 4.9]	[1.05; 1.17]* 0.92	[1.01; 1.24]*	[-0.11; 0.15]
Middle East and North Africa	[1.47; 1.54] 1.15	[1.33; 1.39] 1.43	[-0.19; -0.10]† 0.28	[1.6; 1.7] 4.4	[1.2; 1.2] 3.1	[0.89; 0.95]* 0.99	[1.02; 1.06]* 0.98	[0.08; 0.16]† 0.00
	[1.11; 1.19] 1.05	[1.35; 1.52] 1.09	[0.19; 0.38]†	[4.0; 5.4] 16.2	[2.8; 3.7] 14.8	[0.93; 1.03] 0.99	[0.87; 1.06]	[-0.12; 0.10] -0.02
Sub-Saharan Africa	[1.01; 1.09] 1.34	[1.04; 1.14] 1.32	[-0.03; 0.10] -0.02	[15.4; 18.6] 3.1	[14.1; 16.9] 2.3	[0.97; 1.02] 1.02	[0.93; 1.03] 1.08	[-0.08; 0.05] 0.06
Latin America and Caribbean	[1.31; 1.37]	[1.27; 1.37]	[-0.09; 0.04]	[2.9; 3.3]	[2.2; 2.5]	[0.99; 1.04]	[1.02; 1.13]*	[0.00; 0.12]
East Asia and Pacific	1.23 [1.16; 1.30]	1.49 [1.37; 1.61]	0.25 [0.12; 0.40]†	3.2 [2.7; 4.0]	2.1 [1.8; 2.7]	1.00 [0.93; 1.07]	0.95 [0.87; 1.04]	-0.05 [-0.16; 0.07]
North America	1.50 [1.46; 1.53]	1.30 [1.23; 1.38]	-0.20 [-0.28; -0.11]†	1.5 [1.4; 1.5]	1.1 [1.1; 1.2]	1.00 [0.97; 1.02]	1.05 [0.99; 1.11]	0.05 [-0.01; 0.12]
Afghanistan	1.03 [0.93; 1.14]	1.60 [1.34; 1.92]	0.58 [0.14; 0.92]†	4.9 [2.8; 9.7]	3.0 [1.8; 5.9]	1.01 [0.90; 1.14]	0.89 [0.63; 1.09]	-0.12 [-0.42; 0.11]
Albania	1.44 [1.36; 1.53]	1.15 [1.01; 1.31]	-0.29 [-0.47; -0.11]†	2.0 [1.7; 2.3]	1.7 [1.5; 2.0]	0.98 [0.92; 1.05]	1.24 [1.10; 1.40]*	0.26 [0.09; 0.43]†
Algeria	1.34 [1.25; 1.43]	1.23 [1.16; 1.30]	-0.11 [-0.23; 0.00]	3.1 [3.0; 3.3]	2.5 [2.4; 2.7]	0.93 [0.85; 1.02]	1.22 [1.15; 1.29]*	0.29 [0.18; 0.40]†
Andorra	1.51 [1.38; 1.65]	1.28	-0.22 [-0.50; 0.08]	0.8	0.7	0.99	1.00	0.00
Angola	1.03	1.06	0.03	16.2	15.2	1.00	1.01	0.01
Anguilla	[0.93; 1.14]	[0.90; 1.26]	[-0.18; 0.26] -0.16	[12.3; 20.8]	[11.6; 19.7]	[0.91; 1.10]	[0.83; 1.23]	[-0.20; 0.27]
Antigua and Barbuda	[1.38; 1.66] 1.51	[1.13; 1.63] 1.45	[-0.45; 0.16] -0.07	[1.0; 1.7] 1.8	[0.8; 1.3]	[0.91; 1.09] 1.00	[0.84; 1.19] 0.98	[-0.19; 0.22] -0.02
	[1.38; 1.66] 1.49	[1.20; 1.73] 1.20	[-0.37; 0.26] -0.30	[1.4; 2.3] 1.6	[1.0; 1.6]	[0.91; 1.09] 1.01	[0.82; 1.16] 1.16	[-0.21; 0.20] 0.14
Argentina	[1.44; 1.55] 1.60	[1.12; 1.28] 1.38	[-0.40; -0.20]† -0.22	[1.5; 1.7] 2.2	[1.2; 1.5] 1.6	[0.97; 1.06] 0.94	[1.08; 1.23]* 1.04	[0.06; 0.23]† 0.10
Armenia	[1.49; 1.72] 1.47	[1.22; 1.56] 1.26	[-0.43; 0.00] -0.21	[2.0; 2.5]	[1.4; 1.8] 0.7	[0.88; 1.01]	[0.93; 1.17]	[-0.04; 0.25] 0.03
Australia	[1.39; 1.55]	[1.15; 1.39]	[-0.34; -0.06]†	[0.8; 0.9]	[0.6; 0.7]	[0.94; 1.04]	[0.92; 1.11]	[-0.08; 0.14]
Austria	1.44 [1.34; 1.54]	1.21 [1.08; 1.36]	-0.23 [-0.40; -0.04]†	0.8 [0.7; 0.9]	0.7 [0.6; 0.8]	1.00 [0.94; 1.06]	1.06 [0.94; 1.19]	0.06 [-0.08; 0.21]
Azerbaijan	1.37 [1.30; 1.44]	1.37 [1.27; 1.48]	0.00 [-0.12; 0.13]	3.6 [3.4; 3.8]	2.6 [2.4; 2.8]	1.06 [1.00; 1.13]*	1.10 [1.02; 1.19]*	0.04 [-0.07; 0.14]
Bahamas	1.49 [1.35; 1.64]	1.45 [1.21; 1.73]	-0.04 [-0.33; 0.28]	2.6 [1.9; 3.6]	1.8 [1.4; 2.5]	1.00 [0.90; 1.10]	1.02 [0.86; 1.21]	0.02 [-0.18; 0.24]
Bahrain	1.50 [1.38; 1.64]	1.37 [1.22; 1.55]	-0.13 [-0.35; 0.10]	2.1 [1.7; 2.6]	1.5 [1.2; 1.9]	1.00 [0.92; 1.10]	1.04 [0.92; 1.17]	0.04 [-0.12; 0.20]
Bangladesh	0.98	1.44 [1.28; 1.63]	0.46	5.3 [4.3; 6.5]	3.7 [2.9; 4.6]	1.04 [0.96; 1.13]	1.04 [0.91; 1.18]	0.00 [-0.17; 0.16]
Barbados	1.50	1.54	0.04	1.9	1.3	0.99	0.95	-0.04
Belarus	[1.37; 1.64]	[1.27; 1.86]	[-0.28; 0.41]	[1.2; 3.1]	[0.8; 2.0]	0.89	[0.78; 1.15]	[-0.25; 0.19]
Belgium	[1.62; 1.79] 1.38	[1.10; 1.38] 1.29	[-0.63; -0.30]† -0.09	[1.0; 1.4] 0.9	[0.8; 1.2] 0.7	[0.84; 0.94]* 1.06	[0.94; 1.18] 1.00	[0.04; 0.31]† -0.06
Belize	[1.29; 1.46] 1.49	[1.15; 1.43] 1.44	[-0.25; 0.08] -0.06	[0.8; 1.0] 3.3	[0.6; 0.7]	[1.00; 1.12] 1.00	[0.89; 1.11] 1.05	[-0.19; 0.08] 0.05
	[1.36; 1.64] 1.02	[1.22; 1.69] 1.06	[-0.33; 0.25] 0.04	[2.4; 4.3] 19.2	[1.7; 3.0] 18.0	[0.89; 1.10] 1.01	[0.88; 1.23] 0.98	[-0.16; 0.27] -0.03
Benin	[0.93; 1.12] 1.09	[0.92; 1.24] 1.25	[-0.14; 0.24] 0.16	[14.4; 26.3] 8.1	[13.6; 24.6] 6.5	[0.92; 1.10] 0.90	[0.83; 1.17] 0.98	[-0.21; 0.19] 0.07
Bhutan	[1.00; 1.37] 1.12	[1.02; 1.55] 1.48	[-0.18; 0.54] 0.36	[4.7; 14.4] 4.7	[3.6; 11.7] 3.2	[0.74; 1.08]	[0.74; 1.29]	[-0.23; 0.43] -0.04
Bolivia (Plurinational State of)	[1.02; 1.23]	[1.25; 1.76]	[0.09; 0.67]†	[2.8; 8.4]	[1.9; 5.6]	[0.90; 1.16]	[0.74; 1.19]	[-0.33; 0.22]
Bosnia and Herzegovina	1.56 [1.44; 1.69]	1.26 [1.12; 1.41]	-0.31 [-0.51; -0.11]†	1.3 [1.1; 1.6]	[0.9; 1.3]	0.96 [0.88; 1.03]	1.06 [0.95; 1.19]	[-0.03; 0.27]
Botswana	1.04 [0.94; 1.14]	1.46 [1.22; 1.74]	0.42 [0.14; 0.74]†	8.1 [5.8; 12.2]	5.5 [4.0; 8.4]	1.01 [0.90; 1.13]	0.89 [0.68; 1.13]	-0.12 [-0.37; 0.15]
Brazil	1.53 [1.42; 1.64]	1.40 [1.26; 1.56]	-0.12 [-0.31; 0.07]	2.6 [2.4; 2.7]	1.8 [1.7; 2.0]	0.99 [0.92; 1.07]	1.06 [0.96; 1.17]	0.07 [-0.06; 0.20]
British Virgin Islands	1.52 [1.38; 1.66]	1.49 [1.24; 1.79]	-0.03 [-0.34; 0.31]	2.7 [2.0; 3.4]	1.8 [1.4; 2.4]	1.00 [0.91; 1.09]	1.00 [0.83; 1.19]	0.00 [-0.20; 0.22]
Brunei	1.52 [1.39; 1.66]	1.44 [1.22; 1.71]	-0.08 [-0.37; 0.23]	2.3	1.6 [1.2; 2.1]	0.99	1.00	0.02 [-0.18; 0.23]
Bulgaria	1.52	1.33	-0.19 [-0.35; -0.02]†	1.8	1.4	1.00	1.06	0.06
Burkina Faso	[1.44; 1.60] 1.05	[1.20; 1.47] 1.10	0.05	[1.6; 2.0]	[1.2; 1.5] 16.0	0.99	[0.96; 1.17] 0.96	-0.03
Burundi	[0.96; 1.15]	[0.92; 1.30] 1.07	[-0.16; 0.28] 0.03	[11.3; 29.9] 19.6	[10.2; 27.3] 18.3	[0.90; 1.08]	[0.79; 1.19]	[-0.23; 0.23] -0.04
Cambodia	[0.94; 1.16] 0.99	[0.91; 1.27] 1.49	[-0.18; 0.27] 0.49	[12.4; 37.5] 5.2	[11.6; 35.2] 3.5	[0.92; 1.11] 1.03	[0.81; 1.18] 0.96	[-0.24; 0.19] -0.07
	[0.91; 1.09]	[1.25; 1.77] 1.15	[0.22; 0.80]†	[3.3; 8.9] 22.5	[2.2; 6.0] 19.6	[0.94; 1.14] 1.00	[0.74; 1.17] 0.90	[-0.33; 0.18] -0.10
Cameroon	[0.93; 1.11]	[0.98; 1.34] 1.18	[-0.07; 0.35] -0.26	[16.4; 30.4] 1.0	[14.1; 26.5] 0.8	[0.91; 1.09]	[0.76; 1.07] 1.10	[-0.28; 0.10] 0.07
Canada ¶: Sex ratio is outlying in 1990. §: Sex r	[1.37; 1.50]	[1.08; 1.28]	[-0.38; -0.14]†	[0.9; 1.0]	[0.8; 0.9]	[0.98; 1.07]	[1.01; 1.20]*	[-0.03; 0.18]

		Sex ratio 10q		Sex-specific 1	oq5 in 2021 (per 1,000)	Es	timated/Expected	female 10q5
	1990	2021	Change 1990-2021	Male	Female	1990	2021	Change 1990–2021
Cape Verde	1.43	1.28	-0.15	2.1	1.6	0.99	1.13	0.14
Central African Republic	[1.31; 1.56] 1.02	[1.10; 1.48] 0.91	[-0.39; 0.09] -0.11	[1.6; 2.7] 22.4	[1.3; 2.1] 24.5	[0.87; 1.11] 0.99	[0.98; 1.29]	[-0.06; 0.35] 0.14
Chad	[0.94; 1.12] 1.04	[0.77; 1.07] 1.01	[-0.29; 0.08] -0.03	[15.3; 34.1] 22.8	[16.8; 37.8] 22.5	[0.90; 1.09] 1.01	[0.94; 1.37] 1.01	[-0.08; 0.40] 0.00
	[0.95; 1.14] 1.52	[0.88; 1.16]	[-0.21; 0.16] -0.30	[17.4; 30.1] 1.4	[17.1; 29.8] 1.1	[0.92; 1.10] 1.00	[0.87; 1.18]	[-0.17; 0.20] 0.11
Chile	[1.45; 1.59]	[1.11; 1.34]	[-0.44; -0.15]† 0.20	[1.3; 1.5]	[1.0; 1.2] 1.4	[0.95; 1.04] 0.98	[1.01; 1.21]* 0.91	[0.00; 0.23] -0.07
China	[1.24; 1.51]	[1.34; 1.85]	[-0.09; 0.52]	[1.4; 3.4]	[0.9; 2.1]	[0.84; 1.10]	[0.77; 1.08]	[-0.26; 0.16]
Colombia	1.52 [1.40; 1.65]	1.39 [1.25; 1.55]	-0.13 [-0.33; 0.07]	2.7 [2.5; 2.9]	1.9 [1.8; 2.1]	0.98 [0.89; 1.07]	1.07 [0.97; 1.19]	0.09 [-0.06; 0.24]
Comoros	1.05 [0.95; 1.16]	1.36 [1.14; 1.63]	0.32 [0.05; 0.61]†	6.1 [4.3; 9.3]	4.5 [3.3; 6.5]	1.01 [0.89; 1.16]	1.01 [0.77; 1.26]	0.00 [-0.29; 0.30]
Congo	1.02 [0.92; 1.13]	1.41 [1.17; 1.69]	0.38 [0.09; 0.70]†	7.8 [4.7; 13.1]	5.5 [3.4; 9.3]	1.00 [0.90; 1.13]	0.92 [0.69; 1.18]	-0.08 [-0.34; 0.22]
Democratic Republic of the Congo	1.02	1.03	0.01	20.3	19.6	1.01	1.00	-0.01
Cook Islands	[0.92; 1.13]	[0.88; 1.22]	[-0.19; 0.23] -0.06	[14.3; 29.0]	[13.8; 27.9]	[0.91; 1.12] 0.98	0.84; 1.20]	[-0.21; 0.22]
Costa Rica	[1.38; 1.65] 1.42	[1.21; 1.72] 1.25	[-0.36; 0.26] -0.17	[1.7; 2.8] 1.8	[1.1; 2.0] 1.5	[0.88; 1.08] 1.06	[0.84; 1.18]	[-0.19; 0.24] 0.07
	[1.32; 1.53] 1.03	[1.11; 1.41] 0.96	[-0.36; 0.03] -0.07	[1.7; 2.0] 23.1	[1.3; 1.6] 24.2	[0.98; 1.14] 0.99	[1.01; 1.26]* 1.08	[-0.08; 0.23] 0.09
Cote d'Ivoire	[0.94; 1.13]	[0.81; 1.13]	[-0.25; 0.12] -0.20	[15.6; 37.3] 1.4	[16.3; 39.5] 1.1	[0.90; 1.08] 0.97	[0.90; 1.30] 1.00	[-0.12; 0.33] 0.02
Croatia	[1.44; 1.66]	[1.17; 1.54]	[-0.41; 0.03]	[1.2; 1.6]	[0.9; 1.2]	[0.91; 1.04]	[0.87; 1.13]	[-0.13; 0.18]
Cuba	1.50 [1.42; 1.59]	1.35 [1.23; 1.49]	-0.15 [-0.31; 0.01]	2.1 [1.8; 2.3]	1.5 [1.4; 1.7]	1.01 [0.95; 1.07]	1.06 [0.97; 1.16]	0.05 [-0.06; 0.17]
Cyprus	1.40 [1.28; 1.53]	1.36 [1.14; 1.61]	-0.05 [-0.31; 0.25]	1.3 [1.0; 1.7]	1.0 [0.8; 1.3]	1.00 [0.91; 1.10]	0.99 [0.84; 1.17]	-0.01 [-0.20; 0.20]
Czech Republic	1.55 [1.46; 1.64]	1.19 [1.07; 1.33]	-0.36 [-0.52; -0.19]†	0.9 [0.8; 1.0]	0.8 [0.7; 0.9]	0.96 [0.90; 1.01]	1.08 [0.97; 1.20]	0.12 [-0.01; 0.26]
Denmark	1.46 [1.35; 1.57]	1.25 [1.10; 1.42]	-0.21 [-0.41; 0.00]	0.7	0.6 [0.5; 0.7]	0.99 [0.92; 1.06]	1.03 [0.91; 1.17]	0.04 [-0.11; 0.21]
Djibouti	1.01	1.12	0.11	13.1	11.7	1.00	1.01	0.01
Dominica	[0.92; 1.11] 1.52	[0.94; 1.34] 1.52	[-0.11; 0.35] 0.00	[10.0; 17.0] 3.6	[9.0; 15.2] 2.4	[0.91; 1.10] 0.97	[0.81; 1.27] 0.97	[-0.22; 0.29] -0.01
	[1.39; 1.67] 1.36	[1.28; 1.81] 1.50	[-0.30; 0.33] 0.14	[2.2; 6.1] 3.8	[1.5; 3.9] 2.5	[0.81; 1.08] 0.99	[0.77; 1.17] 0.99	[-0.24; 0.26] -0.01
Dominican Republic	[1.25; 1.49]	[1.26; 1.77] 1.25	[-0.14; 0.44] -0.04	[2.5; 6.3]	[1.7; 4.1]	[0.86; 1.12] 1.06	[0.79; 1.18] 1.19	[-0.25; 0.23] 0.13
Ecuador	[1.23; 1.35]	[1.16; 1.34]	[-0.15; 0.07]	[2.5; 2.8]	[2.0; 2.3]	[0.99; 1.12]	[1.11; 1.28]*	[0.03; 0.24]†
Egypt	1.15 [1.07; 1.23]	1.63 [1.45; 1.82]	0.47 [0.28; 0.69]†	5.0 [4.6; 5.5]	3.1 [2.8; 3.4]	1.01 [0.93; 1.10]	0.93 [0.83; 1.04]	-0.08 [-0.22; 0.06]
El Salvador	1.36 [1.29; 1.44]	1.41 [1.26; 1.57]	0.04 [-0.13; 0.22]	4.4 [3.9; 4.8]	3.1 [2.8; 3.5]	1.04 [0.97; 1.11]	1.07 [0.95; 1.20]	0.03 [-0.11; 0.18]
Equatorial Guinea	1.01 [0.92; 1.12]	1.06 [0.88; 1.27]	0.04 [-0.17; 0.29]	15.9 [12.3; 20.7]	15.0 [11.5; 19.6]	1.00 [0.91; 1.10]	1.01 [0.82; 1.25]	0.01 [-0.22; 0.28]
Eritrea	1.04 [0.95; 1.14]	1.39 [1.17; 1.65]	0.35 [0.09; 0.64]†	8.2 [4.5; 17.0]	5.9 [3.2; 12.6]	0.99 [0.90; 1.09]	0.92 [0.69; 1.20]	-0.07 [-0.32; 0.23]
Estonia	1.56	1.17	-0.39	1.1	0.9	0.96	1.11	0.15
Ethiopia	[1.45; 1.69] 1.11	[1.01; 1.36] 1.41	[-0.61; -0.16]† 0.30	[0.9; 1.4] 8.3	[0.7; 1.2] 5.9	[0.89; 1.04] 0.98	[0.96; 1.29] 0.91	[-0.04; 0.35] -0.07
Federated States of Micronesia	[1.00; 1.23] 1.25	[1.19; 1.66] 1.49	[0.04; 0.58]† 0.24	[5.3; 13.1] 6.2	[3.8; 9.2]	[0.89; 1.07] 1.00	[0.69; 1.16] 0.99	[-0.31; 0.21] -0.01
	[1.14; 1.38] 1.12	[1.25; 1.78] 1.43	[-0.05; 0.55] 0.31	[4.8; 8.0] 5.8	[3.1; 5.4] 4.1	[0.85; 1.16] 1.02	[0.81; 1.20] 1.03	[-0.24; 0.25] 0.01
Fiji	[1.02; 1.24] 1.45	[1.26; 1.62] 1.09	[0.09; 0.54]†	[5.0; 6.8] 0.7	[3.5; 4.8]	[0.89; 1.18] 0.98	[0.87; 1.19] 1.17	[-0.22; 0.22] 0.19
Finland	[1.35; 1.57]	[0.96; 1.24]	[-0.54; -0.17]†	[0.6; 0.9]	[0.6; 0.8]	[0.92; 1.05]	[1.03; 1.33]*	[0.02; 0.36]†
France	1.37 [1.31; 1.42]	1.31 [1.21; 1.41]	-0.06 [-0.17; 0.06]	0.8 [0.8; 0.9]	0.6 [0.6; 0.7]	1.06 [1.02; 1.10]*	0.98 [0.90; 1.06]	-0.08 [-0.17; 0.01]
Gabon	1.04 [0.95; 1.15]	1.13 [0.94; 1.34]	0.08 [-0.14; 0.33]	12.2 [6.3; 25.4]	10.9 [5.5; 23.4]	1.00 [0.90; 1.13]	1.00 [0.79; 1.34]	0.00 [-0.25; 0.36]
The Gambia	1.01 [0.92; 1.11]	1.24 [1.05; 1.45]	0.23 [0.00; 0.47]†	10.8 [8.4; 14.0]	8.8 [6.8; 11.4]	1.00 [0.91; 1.10]	0.97 [0.79; 1.22]	-0.03 [-0.25; 0.24]
Georgia	1.56	1.44 [1.26; 1.65]	-0.11 [-0.35; 0.14]	2.1 [1.9; 2.4]	1.5 [1.3; 1.7]	0.97 [0.90; 1.05]	1.00 [0.88; 1.13]	0.03 [-0.12; 0.19]
Germany	1.40	1.22	-0.18	0.8	0.7	1.02	1.05	0.02
Ghana	[1.35; 1.46] 1.06	[1.14; 1.31] 1.16	[-0.28; -0.08]† 0.10	[0.8; 0.9] 10.8	[0.6; 0.7] 9.3	[0.98; 1.06] 0.96	[0.98; 1.12] 1.03	[-0.06; 0.11] 0.07
	[0.97; 1.16] 1.41	[0.99; 1.35] 1.36	[-0.11; 0.32] -0.05	[8.1; 14.6] 0.9	[6.9; 12.7] 0.6	[0.88; 1.06] 1.02	[0.83; 1.28] 0.94	[-0.16; 0.34] -0.08
Greece	[1.33; 1.50] 1.51	[1.22; 1.53] 1.57	[-0.23; 0.14] 0.06	[0.8; 1.0] 4.7	[0.6; 0.7]	[0.96; 1.08] 0.98	[0.84; 1.06] 0.95	[-0.20; 0.06] -0.03
Grenada	[1.37; 1.65]	[1.31; 1.87]	[-0.26; 0.41]	[3.3; 6.6]	[2.1; 4.2]	[0.87; 1.08]	[0.75; 1.15]	[-0.27; 0.20]
Guatemala¶	1.00 [0.97; 1.04]	1.20 [1.10; 1.31]	0.20 [0.09; 0.31]†	3.7 [3.5; 3.9]	3.1 [2.9; 3.3]	1.13 [1.08; 1.19]*	1.26 [1.16; 1.37]*	0.13 [0.01; 0.26]†
Guinea	1.02 [0.93; 1.12]	1.02 [0.87; 1.20]	0.00 [-0.19; 0.21]	18.0 [13.6; 25.3]	17.6 [13.3; 24.7]	1.01 [0.92; 1.10]	1.03 [0.86; 1.24]	0.02 [-0.18; 0.26]
Guinea-Bissau	1.07 [0.95; 1.18]	1.11 [0.93; 1.33]	0.05 [-0.24; 0.34]	13.9 [9.5; 21.2]	12.4 [8.4; 19.4]	0.99 [0.88; 1.11]	0.99 [0.81; 1.23]	0.00 [-0.23; 0.27]
Guyana	1.44 [1.33; 1.56]	1.39 [1.19; 1.62]	-0.05 [-0.29; 0.22]	5.4 [4.0; 7.4]	3.9 [2.9; 5.3]	1.03 [0.94; 1.12]	1.05 [0.83; 1.25]	0.02 [-0.22; 0.25]
Haiti	1.01	1.06	0.04	12.2	11.5	1.00	1.04	0.04
Honduras	[0.92; 1.11]	[0.88; 1.27]	[-0.18; 0.28]	[8.0; 19.0] 5.5	[7.9; 17.5] 4.1	[0.91; 1.10]	[0.81; 1.37]	[-0.22; 0.39] 0.08
	[1.13; 1.37] 1.46	[1.10; 1.58] 1.34	[-0.19; 0.37] -0.13	[3.6; 9.1] 1.1	[2.7; 7.0] 0.8	[0.86; 1.14] 1.02	[0.78; 1.33]	[-0.25; 0.38] -0.05
Hungary	[1.38; 1.55] 1.44	[1.19; 1.49] 1.28	[-0.30; 0.05] -0.16	[1.0; 1.2] 0.6	[0.7; 0.9]	[0.97; 1.08] 0.99	[0.87; 1.08] 1.01	[-0.17; 0.08] 0.01
Iceland	[1.31; 1.57]	[1.06; 1.53]	[-0.42; 0.14]	[0.4; 0.9]	[0.3; 0.7] ortality is significantly diff	[0.91; 1.09]	[0.84; 1.21]	[-0.19; 0.24]

		G 4: 10		tinued from pre			100	6 1 10 5
	1990	Sex ratio 10q 2021	Change	Sex-specific 1 Male	0q5 in 2021 (per 1,000) Female	1990	timated/Expected 2021	female 10q5 Change
	0.92	1.29	1990-2021 0.37	4.5	3.5	1.12	1.17	1990–2021 0.05
India¶	[0.87; 0.98]	[1.15; 1.44]	[0.22; 0.54]†	[4.0; 5.1]	[3.1; 4.0]	[1.05; 1.21]*	[1.04; 1.32]*	[-0.12; 0.21]
Indonesia	1.05 [0.97; 1.14]	1.49 [1.26; 1.75]	0.44 [0.18; 0.72]†	5.6 [4.1; 8.2]	3.8 [2.8; 5.4]	1.06 [0.96; 1.18]	0.98 [0.77; 1.17]	-0.09 [-0.33; 0.14]
Iran (Islamic Republic of)	1.04 [0.95; 1.14]	1.34 [1.18; 1.52]	0.30 [0.10; 0.52]†	3.6 [3.1; 4.2]	2.7 [2.3; 3.2]	0.98 [0.84; 1.12]	1.13 [0.99; 1.28]	0.14 [-0.06; 0.36]
Iraq	1.19 [1.08; 1.30]	1.44 [1.22; 1.70]	0.25 [-0.01; 0.54]	6.1 [3.6; 12.1]	4.2 [2.5; 8.3]	0.98 [0.85; 1.14]	0.97 [0.69; 1.21]	-0.01 [-0.34; 0.28]
Ireland	1.49 [1.39; 1.60]	1.50 [1.34; 1.69]	0.01 [-0.20; 0.22]	0.7	0.5 [0.4; 0.5]	0.97 [0.91; 1.04]	0.85 [0.76; 0.96]*	-0.12 [-0.24; 0.01]
Israel	1.35	1.34	-0.01	0.9	0.7	1.06	0.95	-0.11
Italy	[1.26; 1.45] 1.46	[1.22; 1.49] 1.27	[-0.17; 0.17] -0.20	[0.8; 1.0] 0.7	[0.6; 0.7]	[1.00; 1.13] 0.99	[0.86; 1.06] 1.01	[-0.23; 0.01] 0.02
	[1.40; 1.53] 1.52	[1.17; 1.38] 1.48	[-0.32; -0.07]† -0.04	[0.6; 0.8]	[0.5; 0.6]	[0.95; 1.03]	[0.93; 1.10] 1.01	[-0.07; 0.13] 0.02
Jamaica	[1.38; 1.66] 1.49	[1.24; 1.76] 1.23	[-0.33; 0.28] -0.26	[2.3; 3.8] 0.8	[1.6; 2.6] 0.7	[0.90; 1.09] 0.94	[0.86; 1.21] 1.04	[-0.17; 0.25] 0.10
Japan	[1.44; 1.54]	[1.15; 1.30]	[-0.35; -0.17]†	[0.8; 0.8]	[0.6; 0.7]	[0.91; 0.98]*	[0.98; 1.12]	[0.03; 0.18]†
Jordan	1.50 [1.38; 1.65]	1.47 [1.23; 1.76]	-0.03 [-0.33; 0.29]	2.8 [1.7; 5.0]	1.9 [1.2; 3.3]	0.97 [0.85; 1.08]	0.99 [0.81; 1.19]	0.01 [-0.20; 0.26]
Kazakhstan	1.76 [1.69; 1.83]	1.52 [1.43; 1.61]	-0.24 [-0.36; -0.12]†	3.1 [3.0; 3.2]	2.0 [1.9; 2.1]	0.81 [0.77; 0.86]*	0.99 [0.93; 1.05]	0.17 [0.10; 0.25]†
Kenya	1.08 [0.99; 1.19]	1.21 [1.02; 1.42]	0.12 [-0.10; 0.36]	9.9 [6.0; 18.4]	8.2 [5.0; 15.2]	0.98 [0.88; 1.10]	1.00 [0.77; 1.32]	0.02 [-0.25; 0.36]
Kiribati	1.06	1.25	0.19	10.0	8.0	1.00	1.01	0.01
Democratic People's Republic of	[0.97; 1.17]	[1.04; 1.49] 1.50	[-0.06; 0.45] 0.20	[7.7; 12.9] 4.2	[6.1; 10.5] 2.8	[0.90; 1.14] 0.99	[0.80; 1.29] 1.00	[-0.23; 0.29] 0.01
Korea	[1.19; 1.43]	[1.26; 1.79]	[-0.09; 0.52] -0.15	[3.2; 5.4]	[2.1; 3.6]	[0.85; 1.15]	[0.84; 1.20] 0.97	[-0.23; 0.26] -0.05
Republic of Korea	[1.36; 1.58] 1.36	[1.18; 1.47] 1.46	[-0.33; 0.04] 0.10	[0.8; 0.9]	[0.6; 0.7] 1.7	[0.95; 1.11] 1.00	[0.87; 1.08]	[-0.19; 0.09] 0.00
Kosovo	[1.23; 1.48]	[1.22; 1.73]	[-0.18; 0.41]	[1.9; 3.2] 2.0	[1.3; 2.2] 1.5	[0.85; 1.14]	[0.85; 1.19]	[-0.23; 0.27] 0.09
Kuwait	1.43 [1.32; 1.55]	1.32 [1.17; 1.50]	-0.10 [-0.31; 0.11]	[1.8; 2.3]	[1.3; 1.8]	[0.90; 1.06]	1.07 [0.95; 1.21]	[-0.06; 0.26]
Kyrgyzstan	1.54 [1.45; 1.63]	1.60 [1.48; 1.73]	0.06 [-0.09; 0.22]	3.3 [3.1; 3.5]	2.1 [1.9; 2.2]	0.95 [0.89; 1.02]	0.94 [0.87; 1.02]	-0.01 [-0.10; 0.09]
Lao People's Democratic Republic	1.04 [0.94; 1.15]	1.35 [1.14; 1.60]	0.31 [0.05; 0.58]†	7.8 [5.0; 11.5]	5.8 [3.6; 8.7]	1.00 [0.90; 1.11]	0.94 [0.72; 1.21]	-0.05 [-0.31; 0.24]
Latvia	1.70 [1.59; 1.82]	1.09 [0.95; 1.26]	-0.61 [-0.81; -0.39]†	1.0 [0.8; 1.2]	0.9	0.85 [0.79; 0.92]*	1.18 [1.02; 1.36]*	0.32 [0.14; 0.52]†
Lebanon	1.38	1.45	0.06	2.3	1.6	1.00	1.00	0.00
Lesotho	[1.26; 1.52] 1.05	[1.21; 1.73] 1.26	[-0.23; 0.38]	[1.8; 3.0] 9.3	[1.2; 2.1] 7.4	[0.85; 1.14] 1.01	[0.84; 1.18] 1.00	[-0.24; 0.26] -0.01
	[0.95; 1.15] 1.00	[1.06; 1.49] 1.17	[-0.02; 0.48] 0.17	[6.5; 13.1] 18.3	[5.2; 10.5] 15.6	[0.91; 1.14] 1.02	[0.78; 1.27]	[-0.28; 0.29] -0.12
Liberia	[0.91; 1.10] 1.36	[0.98; 1.39] 1.52	[-0.06; 0.43] 0.16	[12.5; 29.4] 3.2	[10.4; 25.8] 2.1	[0.92; 1.12] 0.92	[0.74; 1.09]	[-0.32; 0.10] 0.02
Libya	[1.22; 1.51]	[1.25; 1.87]	[-0.20; 0.56] -0.35	[1.5; 8.8]	[1.0; 5.6]	[0.75; 1.07]	[0.67; 1.16]	[-0.28; 0.29]
Lithuania	1.61 [1.51; 1.72]	1.27 [1.11; 1.44]	[-0.55; -0.14]†	[1.2; 1.7]	1.1 [1.0; 1.3]	[0.88; 1.00]	1.07 [0.95; 1.21]	0.13 [-0.01; 0.29]
Luxembourg	1.42 [1.30; 1.56]	1.31 [1.10; 1.56]	-0.11 [-0.37; 0.17]	0.4 [0.2; 0.6]	0.3 [0.2; 0.5]	0.99 [0.90; 1.08]	0.98 [0.82; 1.17]	-0.01 [-0.20; 0.21]
Macedonia	1.48 [1.37; 1.61]	1.32 [1.13; 1.54]	-0.16 [-0.41; 0.10]	1.7 [1.4; 2.0]	1.3 [1.1; 1.6]	1.02 [0.94; 1.10]	1.06 [0.91; 1.23]	0.04 [-0.14; 0.24]
Madagascar	1.02 [0.94; 1.12]	1.04 [0.91; 1.20]	0.02 [-0.15; 0.21]	21.6 [15.4; 33.3]	20.7 [15.0; 31.2]	0.99 [0.91; 1.08]	0.99 [0.84; 1.17]	0.00 [-0.19; 0.20]
Malawi	1.01	1.21	0.19	13.2	10.9	1.01	0.93	-0.08
Malaysia	[0.93; 1.11] 1.48	[1.05; 1.39] 1.37	[0.00; 0.41] -0.10	[10.7; 16.9] 2.0	[8.8; 13.9] 1.5	[0.93; 1.10] 1.01	[0.78; 1.11]	[-0.27; 0.13] 0.03
Maldives	[1.40; 1.56] 1.18	[1.29; 1.46] 1.36	[-0.22; 0.01] 0.17	[1.9; 2.1] 1.6	[1.4; 1.6] 1.2	[0.95; 1.08] 1.08	[0.99; 1.11] 1.03	[-0.05; 0.12] -0.05
	[1.08; 1.30] 1.02	[1.13; 1.61] 1.03	[-0.09; 0.46] 0.00	[1.2; 2.1] 21.5	[0.9; 1.6] 20.9	[0.95; 1.21] 1.00	[0.87; 1.22]	[-0.26; 0.19] 0.00
Mali	[0.94; 1.11] 1.39	[0.88; 1.19] 1.34	[-0.17; 0.19] -0.06	[16.3; 28.6] 1.0	[15.5; 28.5] 0.8	[0.93; 1.09] 0.98	[0.86; 1.19] 0.99	[-0.18; 0.20] 0.01
Malta	[1.27; 1.53]	[1.11; 1.61]	[-0.33; 0.25]	[0.7; 1.4]	[0.5; 1.1]	[0.88; 1.11]	[0.83; 1.20]	[-0.21; 0.26]
Marshall Islands	1.27 [1.16; 1.39]	1.44 [1.20; 1.73]	0.17 [-0.12; 0.49]	7.0 [5.4; 9.1]	4.9 [3.7; 6.4]	0.99 [0.85; 1.16]	0.99 [0.80; 1.22]	0.00 [-0.23; 0.26]
Mauritania	1.03 [0.94; 1.13]	1.34 [1.15; 1.56]	0.31 [0.08; 0.56]†	9.2 [6.2; 13.8]	6.9 [4.6; 10.4]	1.01 [0.91; 1.13]	0.93 [0.73; 1.17]	-0.08 [-0.31; 0.18]
Mauritius	1.43 [1.31; 1.55]	1.33 [1.14; 1.55]	-0.09 [-0.34; 0.16]	2.0 [1.7; 2.3]	1.5 [1.2; 1.8]	1.06 [0.98; 1.15]	1.07 [0.92; 1.24]	0.01 [-0.18; 0.21]
Mexico	1.38 [1.35; 1.42]	1.31 [1.25; 1.38]	-0.07 [-0.14; 0.01]	2.8	2.1 [2.0; 2.2]	1.08	1.14 [1.08; 1.20]*	0.06
Republic of Moldova	1.58	1.41	-0.16	2.8	2.0	0.93	1.06	0.13
Monaco	[1.48; 1.68]	[1.25; 1.60] 1.28	[-0.36; 0.05] -0.15	[2.5; 3.2]	[1.8; 2.3]	[0.87; 0.99]* 1.00	[0.94; 1.19] 1.00	[-0.02; 0.28] 0.00
	[1.30; 1.57] 1.18	[1.07; 1.54] 1.68	[-0.42; 0.14] 0.50	[0.7; 1.1] 4.0	[0.5; 0.9] 2.4	[0.91; 1.10] 0.98	[0.84; 1.20] 0.91	[-0.19; 0.22] -0.08
Mongolia	[1.09; 1.27]	[1.48; 1.90] 1.34	[0.27; 0.74]†	[3.5; 4.5]	[2.1; 2.7]	[0.89; 1.09]	[0.80; 1.02]	[-0.24; 0.08] -0.03
Montenegro	[1.35; 1.61]	[1.12; 1.60]	[-0.41; 0.16]	[0.7; 1.3]	[0.5; 0.9]	[0.91; 1.10]	[0.82; 1.16]	[-0.22; 0.18]
Montserrat	1.53 [1.40; 1.68]	1.54 [1.29; 1.84]	0.01 [-0.30; 0.35]	1.6 [1.2; 2.0]	1.0 [0.8; 1.3]	0.99 [0.90; 1.08]	0.89 [0.75; 1.05]	-0.10 [-0.28; 0.09]
Morocco	1.24 [1.13; 1.35]	1.43 [1.20; 1.70]	0.19 [-0.07; 0.50]	2.8 [1.8; 4.7]	2.0 [1.2; 3.3]	1.00 [0.87; 1.13]	1.02 [0.84; 1.23]	0.02 [-0.21; 0.27]
Mozambique	1.05 [0.95; 1.17]	1.11 [0.93; 1.32]	0.05 [-0.17; 0.31]	14.0 [8.6; 24.4]	12.6 [7.6; 22.4]	1.01 [0.92; 1.11]	0.99 [0.80; 1.27]	-0.01 [-0.25; 0.27]
Myanmar	1.03 [0.93; 1.15]	1.51 [1.26; 1.83]	0.48	5.1 [2.9; 8.9]	3.3 [1.9; 5.9]	1.00 [0.89; 1.12]	0.94 [0.69; 1.16]	-0.05 [-0.33; 0.20]
Namibia	1.10	1.07	-0.04	13.3	12.4	0.98	1.04	0.06
¶: Sex ratio is outlying in 1990. §: Sex	[1.00; 1.21] ratio is outlying in	[0.90; 1.26] n 2021. *: The ra	[-0.24; 0.19] tio of estimated to e	[9.2; 19.8] xpected female n	[8.4; 19.0] nortality is significantly dif	[0.87; 1.12] ferent from one. †	[0.85; 1.31] : Change is signific	[-0.19; 0.36] cantly different from zero.

^{| [1.00; 1.21] | [0.90; 1.26] | [-0.24; 0.19] | [9.2; 19.8] | [8.4; 19.0] | [0.07, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.007, 1.12] | [0.}

		Sex ratio 10q5		Sex-specific 1	vious page 0q5 in 2021 (per 1,000)	Fet	timated/Expected	female 10a5
	1990	2021	Change 1990–2021	Male	Female	1990	2021	Change 1990–2021
Nauru	1.14	1.47	0.33	6.7	4.5	1.00	0.99	-0.01
Nepal	[1.03; 1.25]	[1.23; 1.75]	[0.05; 0.64]† 0.44	[5.2; 8.6] 5.5	[3.5; 6.0]	[0.88; 1.17]	[0.80; 1.21]	[-0.25; 0.23] -0.02
Netherlands	[0.91; 1.08]	[1.20; 1.70]	[0.19; 0.72]† -0.15	[3.8; 9.3]	[2.6; 6.5] 0.6	[0.95; 1.14]	[0.78; 1.22]	[-0.28; 0.21]
New Zealand	[1.28; 1.44]	[1.09; 1.32]	[-0.29; -0.01]† -0.12	[0.7; 0.9]	[0.6; 0.7]	[0.99; 1.11]	0.99	[-0.10; 0.14] -0.04
Nicaragua	[1.36; 1.57] 1.35	[1.21; 1.48] 1.51	[-0.30; 0.06] 0.16	[1.0; 1.3]	[0.8; 1.0] 2.6	[0.96; 1.10] 0.96	[0.89; 1.09] 0.96	[-0.17; 0.09] 0.00
Niger	[1.21; 1.49]	[1.24; 1.83]	[-0.17; 0.53]	[2.0; 8.1]	[1.4; 5.3]	[0.81; 1.10]	[0.70; 1.19]	[-0.30; 0.28]
	1.10	0.99	-0.11	32.4	32.9	0.98	1.03	0.05
-	[1.00; 1.20]	[0.86; 1.14]	[-0.29; 0.08]	[25.2; 42.9]	[25.5; 43.6]	[0.90; 1.07]	[0.89; 1.20]	[-0.13; 0.25]
	1.03	1.08	0.06	20.4	18.8	0.99	0.96	-0.04
Nigeria	[0.94; 1.12]	[0.95; 1.23]	[-0.11; 0.24]	[15.6; 27.5]	[14.5; 25.1]	[0.91; 1.08]	[0.83; 1.11]	[-0.20; 0.14]
	1.58	1.53	-0.05	6.1	4.0	0.93	0.97	0.04
Niue	[1.45; 1.73]	[1.28; 1.82]	[-0.36; 0.29]	[4.7; 7.9]	[3.1; 5.2]	[0.82; 1.03]	[0.79; 1.17]	[-0.16; 0.26]
	1.47	1.06	-0.41	0.7	0.6	0.97	1.21	0.23
Norway	[1.36; 1.58] 1.29	[0.93; 1.21] 1.49	[-0.60; -0.22]† 0.19	[0.6; 0.8]	[0.6; 0.7] 1.9	[0.91; 1.05] 1.00	[1.06; 1.38]* 1.00	[0.06; 0.43]† -0.01
Oman	[1.18; 1.43]	[1.24; 1.77] 1.14	[-0.11; 0.52] 0.13	[2.1; 3.6] 8.1	[1.4; 2.4] 7.1	[0.86; 1.18]	[0.83; 1.19] 1.14	[-0.26; 0.26] 0.06
Pakistan	[0.94; 1.09]	[0.97; 1.35]	[-0.06; 0.36]	[5.4; 13.6]	[4.6; 11.9]	[1.00; 1.19]	[0.88; 1.43]	[-0.24; 0.37]
Palau	1.42	1.54	0.12	4.4	2.8	0.96	0.98	0.02
	[1.30; 1.56]	[1.29; 1.84]	[-0.19; 0.46]	[3.4; 5.7]	[2.2; 3.7]	[0.83; 1.10]	[0.82; 1.17]	[-0.21; 0.26]
Panama	1.42	1.31	-0.11	3.4	2.6	1.06	1.16	0.09
	[1.31; 1.54]	[1.17; 1.46]	[-0.30; 0.08]	[3.2; 3.7]	[2.4; 2.9]	[0.97; 1.15]	[1.04; 1.29]*	[-0.06; 0.26]
Papua New Guinea	1.08	1.24	0.17	9.0	7.2	1.00	1.06	0.05
	[0.98; 1.19]	[1.04; 1.48]	[-0.07; 0.43]	[7.0; 11.6]	[5.6; 9.4]	[0.90; 1.15]	[0.84; 1.33]	[-0.19; 0.33]
Paraguay	1.39	1.54	0.14	3.2	2.1	0.95	0.96	0.00
	[1.27; 1.53]	[1.27; 1.87]	[-0.17; 0.51]	[1.7; 5.9]	[1.1; 3.8]	[0.81; 1.08]	[0.73; 1.17]	[-0.26; 0.27]
Peru	1.25	1.33	0.09	2.8	2.1	0.97	1.10	0.13
	[1.15; 1.36]	[1.14; 1.57]	[-0.15; 0.35]	[2.0; 4.0]	[1.5; 3.1]	[0.86; 1.09]	[0.93; 1.30]	[-0.09; 0.36]
Philippines	1.28	1.41	0.12	5.3	3.8	1.01	1.08	0.07
	[1.19; 1.39]	[1.25; 1.58]	[-0.07; 0.33]	[4.9; 5.8]	[3.5; 4.2]	[0.91; 1.12]	[0.96; 1.21]	[-0.11; 0.24]
Poland	1.57	1.14	-0.43	1.0	0.9	0.96	1.13	0.17
	[1.52; 1.64]	[1.06; 1.23]	[-0.54; -0.32]†	[0.9; 1.1]	[0.8; 0.9]	[0.92; 0.99]*	[1.04; 1.22]*	[0.08; 0.27]†
Portugal	1.57	1.14 [1.02; 1.27]	-0.42 [-0.58; -0.27]†	0.9	0.8	0.97 [0.92; 1.02]	1.12 [1.01; 1.25]*	0.15 [0.03; 0.30]†
Qatar	1.53	1.32	-0.21	1.5	1.1	0.99	1.02	0.04
Romania	[1.40; 1.68]	[1.12; 1.55]	[-0.47; 0.07] -0.20	[1.2; 1.8]	1.4	0.89; 1.08]	[0.88; 1.20]	[-0.15; 0.25]
Russian Federation¶	[1.51; 1.64]	[1.27; 1.49]	[-0.32; -0.07]†	[1.7; 2.1]	[1.3; 1.5]	[0.90; 0.98]*	[0.95; 1.11]	[0.00; 0.18]†
	1.91	1.43	-0.48	2.1	1.4	0.77	1.01	0.24
Rwanda	[1.87; 1.96]	[1.35; 1.51]	[-0.57; -0.39]†	[1.9; 2.2]	[1.3; 1.5]	[0.74; 0.79]*	[0.96; 1.07]	[0.18; 0.31]†
	1.08	1.11	0.03	16.1	14.5	0.98	0.96	-0.02
Saint Kitts and Nevis	[0.99; 1.18]	[0.94; 1.31]	[-0.18; 0.28]	[10.1; 32.2]	[8.7; 29.7]	[0.90; 1.06]	[0.79; 1.16]	[-0.21; 0.21]
	1.57	1.62	0.05	3.5	2.1	0.95	0.93	-0.02
	[1.44; 1.72] 1.53	[1.35; 1.93] 1.50	[-0.27; 0.40] -0.02	[2.7; 4.5]	[1.6; 2.8] 2.3	[0.85; 1.05] 0.97	[0.78; 1.11] 0.98	[-0.21; 0.19] 0.01
Saint Lucia	[1.39; 1.67] 1.34	[1.26; 1.79] 1.45	[-0.32; 0.31] 0.10	[2.4; 4.9]	[1.6; 3.2] 2.0	[0.84; 1.08] 1.00	[0.81; 1.18] 1.02	[-0.20; 0.26] 0.02
Samoa	[1.22; 1.53]	[1.20; 1.74]	[-0.24; 0.46]	[2.0; 4.3]	[1.4; 3.0]	[0.77; 1.15]	[0.85; 1.23]	[-0.22; 0.32]
	1.49	1.28	-0.21	0.6	0.4	1.01	1.00	-0.01
San Marino	[1.36; 1.63] 1.03	[1.07; 1.54] 1.42	[-0.48; 0.09] 0.39	[0.4; 0.7]	[0.3; 0.6]	[0.92; 1.10]	[0.83; 1.19] 1.07	[-0.21; 0.21] 0.07
Sao Tome and Principe	[0.93; 1.13] 1.25	[1.19; 1.69] 1.40	[0.13; 0.69]† 0.15	[3.0; 5.0]	[2.1; 3.6] 1.4	[0.90; 1.10] 1.00	[0.90; 1.27]	[-0.14; 0.30] 0.00
Saudi Arabia	[1.13; 1.37]	[1.17; 1.66]	[-0.12; 0.45]	[1.5; 2.4]	[1.0; 1.8]	[0.86; 1.18]	[0.84; 1.18]	[-0.26; 0.25]
Senegal	1.03	1.47	0.44	9.5	6.4	1.00	0.85	-0.15
	[0.95; 1.11]	[1.27; 1.69]	[0.22; 0.69]†	[6.5; 13.6]	[4.3; 9.4]	[0.92; 1.08]	[0.69; 1.04]	[-0.34; 0.06]
Serbia	1.44	1.43	-0.01	1.3	0.9	1.04	0.94	-0.10
	[1.34; 1.56]	[1.25; 1.64]	[-0.24; 0.22]	[1.2; 1.5]	[0.8; 1.1]	[0.97; 1.12]	[0.83; 1.07]	[-0.25; 0.05]
Seychelles	1.52	1.61	0.09	2.8	1.8	0.98	0.91	-0.07
	[1.39; 1.67]	[1.36; 1.91]	[-0.22; 0.43]	[1.7; 4.5]	[1.1; 2.8]	[0.88; 1.08]	[0.76; 1.09]	[-0.26; 0.15]
Sierra Leone	1.04	0.93	-0.11	24.2	25.9	0.99	1.10	0.10
	[0.94; 1.14]	[0.81; 1.07]	[-0.27; 0.07]	[18.0; 34.7]	[19.2; 37.3]	[0.90; 1.11]	[0.94; 1.28]	[-0.09; 0.32]
Singapore	1.46	1.22	-0.24	0.7	0.6	1.02	1.05	0.03
	[1.34; 1.59]	[1.04; 1.43]	[-0.48; 0.02]	[0.6; 0.8]	[0.5; 0.7]	[0.94; 1.11]	[0.89; 1.23]	[-0.17; 0.23]
Slovakia	1.48	1.25	-0.23	1.3	1.1	1.00	1.06	0.06
	[1.39; 1.58]	[1.11; 1.41]	[-0.41; -0.04]†	[1.2; 1.5]	[0.9; 1.2]	[0.94; 1.07]	[0.95; 1.19]	[-0.08; 0.20]
Slovenia	1.47	1.24	-0.23	0.7	0.6	1.00	1.03	0.03
	[1.35; 1.59]	[1.05; 1.47]	[-0.47; 0.04]	[0.6; 0.9]	[0.5; 0.7]	[0.93; 1.09]	[0.88; 1.22]	[-0.16; 0.24]
Solomon Islands	1.36 [1.23; 1.48]	1.48	0.13	4.9	3.3 [2.5; 4.3]	1.00	1.02	0.02 [-0.21; 0.27]
Somalia	1.01	1.01	-0.01	24.8	24.6	1.00	1.01	0.00
	[0.92; 1.12]	[0.84; 1.20]	[-0.22; 0.23]	[19.0; 32.3]	[19.0; 32.0]	[0.92; 1.10]	[0.84; 1.21]	[-0.21; 0.24]
South Africa	1.33	1.39	0.06	6.4	4.6	0.95	1.04	[-0.21; 0.24] 0.09 [-0.12; 0.32]
South Sudan	[1.21; 1.47] 1.05	[1.25; 1.55] 1.03	[-0.14; 0.26] -0.02	[5.7; 7.4]	[4.1; 5.3]	[0.77; 1.10]	[0.90; 1.19] 1.00	0.00
Spain	[0.94; 1.16]	[0.86; 1.23]	[-0.24; 0.22] -0.21	[17.0; 28.8]	[16.6; 28.2]	[0.91; 1.10]	[0.83; 1.20]	[-0.21; 0.23]
Sri Lanka	[1.38; 1.50] 1.29	[1.13; 1.34] 1.23	[-0.33; -0.08]† -0.06	[0.7; 0.8]	[0.5; 0.7]	[0.98; 1.07] 1.12	[0.95; 1.14] 1.13	[-0.08; 0.13] 0.01
Saint Vincent and the Grenadines	[1.20; 1.38]	[1.07; 1.41]	[-0.25; 0.16]	[1.3; 2.1]	[1.0; 1.7]	[1.03; 1.21]*	[0.99; 1.29]	[-0.17; 0.20]
	1.49	1.46	-0.04	5.5	3.8	1.00	0.96	-0.04
	[1.36; 1.64]	[1.20; 1.76]	[-0.35; 0.31]	[3.8; 7.8]	[2.6; 5.5]	[0.90; 1.10]	[0.71; 1.21]	[-0.31; 0.24]
	1.47	1.48	0.01	4.1	2.8	0.98	1.00	0.02
State of Palestine	[1.33; 1.61]	[1.23; 1.78]	[-0.30; 0.36]	[2.6; 6.8]	[1.8; 4.5]	[0.83; 1.10]	[0.78; 1.21]	[-0.24; 0.28]
	1.00	1.32	0.32	8.6	6.5	1.03	0.95	-0.07
Sudan	[0.91; 1.10] 1.48	[1.09; 1.58] 0.84	[0.04; 0.60]† -0.65	[5.6; 14.8] 3.6	[4.4; 10.8] 4.3	[0.93; 1.15]	[0.72; 1.23] 1.79	[-0.34; 0.23] 0.80
Suriname§ ¶: Sex ratio is outlying in 1990. §: Sex	[1.36; 1.62]	[0.74; 0.94]	[-0.82; -0.47]†	[3.0; 4.3]	[3.5; 5.2]	[0.88; 1.10]	[1.57; 2.03]*	[0.55; 1.07]†

^{¶:} Sex ratio is outlying in 1990. §: Sex ratio is outlying in 2021. *: The ratio of estimated to expected female mortality is significantly different from one. †: Change is significantly different from zero.

Continued on next page

		Sex ratio 10g		Sev-specific 1	0q5 in 2021 (per 1,000)	Fet	timated/Expected	female 10a5
	1990	2021	Change	Male	Female	1990	2021	Change
			1990-2021					1990-2021
Eswatini	1.15	1.17	0.02	12.0	10.2	0.97	0.86	-0.11
	[1.04; 1.26]	[0.95; 1.45]	[-0.23; 0.33] -0.20	[8.0; 26.9]	[6.4; 19.7]	[0.83; 1.18]	[0.65; 1.17]	[-0.41; 0.25]
Sweden	1.38 [1.29; 1.48]	1.18 [1.06; 1.32]	[-0.37; -0.02]†	0.7	0.6 [0.6; 0.7]	1.00 [0.93; 1.07]	1.08 [0.97; 1.22]	0.09 [-0.05; 0.24]
Switzerland	1.50	1.14	-0.36	0.7	0.7	0.97	1.13	0.16
Switzerland	[1.40; 1.61]	[1.01; 1.28]	[-0.54; -0.18]†	[0.7; 0.8]	[0.6; 0.7]	[0.90; 1.03]	[1.00; 1.27]*	[0.01; 0.33]†
Syria	1.20 [1.10; 1.31]	1.35 [1.16; 1.55]	0.14 [-0.08; 0.38]	5.4 [3.7; 8.2]	4.0 [2.8; 5.9]	1.03 [0.90; 1.16]	1.04 [0.81; 1.21]	0.01 [-0.26; 0.23]
	1.53	1.36	-0.17	2.4	1.7	0.84	1.07	0.23
Tajikistan¶	[1.45; 1.61]	[1.25; 1.46]	[-0.30; -0.04]†	[2.2; 2.5]	[1.6; 1.9]	[0.79; 0.90]*	[0.99; 1.15]	[0.13; 0.33]†
Tanzania	1.03	1.12	0.09	13.3	11.8	1.00	0.96	-0.03
	[0.94; 1.12] 1.43	[0.95; 1.33] 1.64	[-0.12; 0.33] 0.21	[9.2; 26.3] 5.2	[8.6; 21.4] 3.2	[0.91; 1.09] 0.99	[0.75; 1.25] 0.91	[-0.28; 0.27] -0.08
Thailand	[1.32; 1.55]	[1.46; 1.85]	[-0.02; 0.45]	[4.8; 5.6]	[2.9; 3.5]	[0.91; 1.08]	[0.80; 1.03]	[-0.23; 0.07]
Timor Leste	1.00	1.22	0.22	10.2	8.4	1.01	1.03	0.02
Timor Leste	[0.91; 1.10]	[1.02; 1.45]	[-0.02; 0.48]	[7.9; 13.2]	[6.4; 10.9]	[0.92; 1.12]	[0.81; 1.30]	[-0.24; 0.31]
Togo	1.05	1.07	0.02	12.0	11.2	0.98	1.07	0.09
	[0.96; 1.16]	[0.91; 1.26] 1.50	[-0.19; 0.24] -0.02	[8.5; 16.7] 2.5	[8.0; 15.6] 1.7	[0.89; 1.08] 0.98	[0.86; 1.35]	[-0.15; 0.40] -0.02
Tonga	[1.38; 1.66]	[1.26; 1.78]	[-0.31; 0.31]	[1.9; 3.6]	[1.2; 2.5]	[0.86; 1.09]	[0.80; 1.16]	[-0.22; 0.22]
Trinidad and Tobago	1.40	1.32	-0.08	2.5	1.9	1.08	1.12	0.04
Timuad and Tobago	[1.30; 1.52]	[1.16; 1.50]	[-0.29; 0.14]	[2.0; 3.0]	[1.5; 2.3]	[1.00; 1.17]*	[0.98; 1.27]	[-0.13; 0.22]
Tunisia	1.37 [1.25; 1.49]	1.43 [1.24; 1.64]	0.07	3.7	2.6	1.02 [0.91; 1.13]	1.05 [0.92; 1.21]	0.04 [-0.15; 0.24]
	1.21	1.37	0.16	2.0	[2.2; 3.0]	0.98	1.05	0.07
Turkey	[1.08; 1.35]	[1.27; 1.47]	[-0.01; 0.33]	[1.9; 2.2]	[1.4; 1.6]	[0.86; 1.11]	[0.98; 1.12]	[-0.08; 0.21]
Turkmenistan	1.32	1.41	0.09	4.3	3.0	1.04	1.07	0.03
Turkinomokar	[1.22; 1.42]	[1.24; 1.62]	[-0.12; 0.33]	[3.4; 5.3]	[2.4; 3.8]	[0.95; 1.13]	[0.93; 1.22]	[-0.14; 0.22]
Turks and Caicos Islands	1.57 [1.43; 1.72]	1.34 [1.12; 1.62]	-0.22 [-0.51; 0.09]	[1.1; 1.9]	[0.8; 1.4]	0.96 [0.88; 1.05]	1.02 [0.85; 1.20]	0.06 [-0.14; 0.27]
Tuvalu	1.23	1.53	0.31	5.5	3.6	1.00	0.98	-0.02
Tuvaiu	[1.12; 1.35]	[1.29; 1.82]	[0.02; 0.63]†	[4.2; 7.0]	[2.7; 4.7]	[0.85; 1.17]	[0.81; 1.17]	[-0.26; 0.22]
Uganda	1.02	1.10	0.08	13.5	12.3	1.00	1.00	0.00
-	[0.93; 1.11]	[0.94; 1.29]	[-0.11; 0.30] -0.32	[9.5; 19.6] 1.9	[8.7; 17.8] 1.4	[0.92; 1.10] 0.88	[0.83; 1.25]	[-0.21; 0.27] 0.14
Ukraine	[1.67; 1.78]	[1.32; 1.50]	[-0.42; -0.21]†	[1.8; 2.0]	[1.3; 1.4]	[0.84; 0.91]*	[0.95; 1.07]	[0.07; 0.21]†
United Arab Emirates	1.52	1.39	-0.13	1.8	1.3	1.00	1.00	0.00
Cinted That Emirates	[1.38; 1.66]	[1.16; 1.65]	[-0.42; 0.19]	[1.4; 2.3]	[1.0; 1.7]	[0.91; 1.09]	[0.84; 1.19]	[-0.19; 0.22]
United Kingdom	1.45 [1.39; 1.51]	1.31 [1.22; 1.41]	-0.14 [-0.26; -0.02]†	0.8	0.6 [0.6; 0.7]	0.99 [0.96; 1.03]	0.98	-0.02 [-0.10; 0.08]
TI 10 10	1.51	1.31	-0.20	1.5	1.2	1.00	1.05	0.05
United States of America	[1.47; 1.54]	[1.23; 1.40]	[-0.28; -0.10]†	[1.4; 1.6]	[1.1; 1.2]	[0.97; 1.02]	[0.99; 1.11]	[-0.02; 0.12]
Uruguay	1.55	1.26	-0.30	1.6	1.3	0.98	1.11	0.13
	[1.44; 1.67] 1.40	[1.11; 1.43] 1.34	[-0.50; -0.08]† -0.06	[1.4; 1.8] 3.6	[1.1; 1.5] 2.7	[0.91; 1.05] 0.99	[0.98; 1.25]	[-0.02; 0.30] 0.14
Uzbekistan	[1.30; 1.51]	[1.22; 1.48]	[-0.23; 0.11]	[3.5; 3.8]	[2.5; 2.9]	[0.91; 1.08]	[1.02; 1.24]*	[0.00; 0.28]
Vanuatu	1.38	1.50	0.12	5.8	3.9	0.99	1.00	0.00
vanuatu	[1.26; 1.51]	[1.25; 1.78]	[-0.18; 0.44]	[4.5; 7.5]	[3.0; 5.1]	[0.86; 1.13]	[0.82; 1.20]	[-0.22; 0.25]
Venezuela (Bolivarian Republic of)	1.50 [1.39; 1.62]	1.43 [1.25; 1.63]	-0.08 [-0.30; 0.17]	4.2 [3.5; 5.0]	2.9 [2.5; 3.5]	1.01 [0.93; 1.09]	1.06 [0.92; 1.21]	0.05 [-0.12; 0.23]
	1.21	1.75	0.54	3.4	2.0	0.96	0.86	-0.10
Vietnam	[1.09; 1.33]	[1.49; 2.05]	[0.24; 0.88]†	[2.8; 4.5]	[1.6; 2.6]	[0.83; 1.09]	[0.73; 1.01]	[-0.30; 0.10]
Yemen	1.05	1.34	0.29	7.9	5.9	0.99	0.95	-0.04
	[0.96; 1.15]	[1.12; 1.62]	[0.02; 0.60]†	[4.7; 14.3]	[3.5; 10.4]	[0.90; 1.10]	[0.70; 1.18]	[-0.31; 0.22]
Zambia	1.01 [0.93; 1.10]	1.24 [1.05; 1.46]	0.23	11.3 [7.8; 16.7]	9.1 [6.4; 13.1]	1.01 [0.92; 1.11]	0.92 [0.73; 1.18]	-0.09 [-0.30; 0.19]
Zimbabwe	1.09	1.08	-0.01	11.5	10.7	1.02	1.06	0.04
Zimoaowe	[0.99; 1.20]	[0.92; 1.28]	[-0.21; 0.22]	[7.3; 17.0]	[6.5; 15.9]	[0.90; 1.16]	[0.86; 1.34]	[-0.21; 0.35]

Table 18: Estimates and 90% uncertainty intervals for sex ratios for 5q15 in 1990 and 2021, the change in sex ratios from 1990 to 2021, sex-specific 5q15 in 2021, and ratios of estimated to expected female 5q15 and their change from 1990 to 2021 for the world, UNICEF regions, and all countries. ¶: Sex ratio is outlying in 1990. §: Sex ratio is outlying in 2021. *: The ratio of estimated to expected female mortality is significantly different from one. †: Change is significantly different from zero.

South Asia¶§ Europe and Central Asia Middle East and North Africa Latin America and Caribbean§ East Asia and Pacific North America Afghanistan§ Albania Algeria Andorra Angola Anguilla Antigua and Barbuda Argentina Armenia Australia Australia Azerbaijan Bahamas Bahrain Bangladesh¶§ Belarus Belgium [12] [13] [14] [15] [16] [17] [18	1.22 1.15; 1.30] 0.81 0.73; 0.90] 2.23 2.06; 2.39] 1.64 1.45; 1.83] 0.97 0.90; 1.05] 2.09 1.96; 2.21] 1.74 1.47; 2.06] 2.73 2.65; 2.80] 0.84 0.62; 1.13] 2.40 2.09; 2.75] 1.79 1.45; 2.19] 2.43 1.79; 3.29] 0.70 0.51; 0.97] 2.24 1.65; 3.06] 2.03 1.48; 2.75] 1.98 1.85; 2.11]	2021 1.55 [1.43; 1.66] 1.30 [1.07; 1.57] 1.91 [1.82; 2.00] 2.43 [2.05; 2.81] 1.33 [1.19; 1.48] 2.96 [2.68; 3.21] 2.11 [1.71; 2.55] 2.37 [2.02; 2.79] 0.61 [0.40; 0.93] 1.52 [1.18; 1.93] 1.72 [1.49; 1.99] 3.06 [1.89; 4.99] 1.88 [1.20; 2.93] 2.30 [1.27; 4.23]	Change 1990-2021 0.32 [0.18; 0.46]† 0.49 [0.24; 0.77]† -0.32 [-0.51; -0.13]† 0.79 [0.35; 1.22]† 0.36 [0.19; 0.53]† 0.87 [0.57; 1.15]† 0.36 [-0.17; 0.90] -0.35 [-0.71; 0.90] -0.23 [-0.60; 0.18] -0.88 [-1.37; -0.35]† -0.06 [-0.53; 0.37] 0.63 [-0.93; 2.65] 1.18	5.5 [5.2; 5.9] 4.4 [3.8; 5.0] 2.4 [2.3; 2.4] 5.5 [5.0; 6.1] 11.0 [9.9; 12.4] 6.7 [6.4; 7.0] 3.2 [2.7; 3.8] 4.0 [3.7; 4.2] 9.7 [5.8; 15.1] 1.9 [1.6; 2.2] 3.0 [2.8; 3.3]	Female 3.5 [3.3; 3.9] 3.4 [2.9; 3.9] 1.2 [1.2; 1.3] 2.3 [2.0; 2.6] 8.2 [7.4; 9.4] 2.3 [2.1; 2.5] 1.5 [1.2; 1.9] 1.7 [1.5; 1.9] 15.9 [9.8; 23.9] 1.2 [1.0; 1.5] 1.8	1.26 [1.15; 1.36]* 2.25 [1.93; 2.60]* 0.94 [0.74; 1.02] 1.12 [0.89; 1.32] 0.94 [0.81; 1.07] 0.87 [0.79; 0.96]* 1.13 [0.94; 1.37] 0.81 [0.78; 0.84]* 1.05 [0.63; 2.33] 0.95 [0.83; 1.10]	2021 1.07 [0.94; 1.21] 1.68 [1.34; 2.08]* 1.19 [1.12; 1.25]* 1.00 [0.85; 1.18] 0.97 [0.78; 1.20] 0.61 [0.54; 0.70]* 1.03 [0.84; 1.27] 0.97 [0.82; 1.15] 3.03 [1.30; 5.32]*	Change 1990-2021 -0.19 [-0.35; -0.02]† -0.57 [-1.06; -0.06]† -0.25 [0.15; 0.46]† -0.12 [-0.38; 0.17] -0.03 [-0.19; 0.29] -0.26 [-0.38; -0.14]† -0.10 [-0.42; 0.21] -0.16 [0.01; 0.34]† -1.98 [-0.22; 4.30]
South Asia¶§ [6] Europe and Central Asia [7] Middle East and North Africa [7] Latin America and Caribbean§ [7] East Asia and Pacific [7] North America [7] Albania [7] Albania [7] Andorra [7] Angola [7] Anguilla [7] Antigua and Barbuda [7] Armenia [7] Australia [7] Austria [7] Azerbaijan [7] Bahamas [7] Bahamas [7] Barbados [7] Belgium [7]	1.15; 1.30] 0.81 0.73; 0.90] 2.23 2.26; 2.39] 1.64 1.45; 1.83] 0.97 0.90; 1.05] 2.09 1.96; 2.21] 1.74 1.47; 2.06] 2.73 2.65; 2.80] 0.84 0.62; 1.13] 2.40 2.09; 2.75] 1.79 1.45; 2.19] 2.43 1.79; 3.29] 0.70 0.51; 0.97] 2.24 1.65; 3.06] 2.03 1.48; 2.75]	[1.43; 1.66] 1.30 [1.07; 1.57] 1.91 [1.82; 2.00] 2.43 [2.05; 2.81] 1.33 [1.19; 1.48] 2.96 [2.68; 3.21] 2.11 [1.71; 2.55] 2.37 [2.02; 2.79] 0.61 [0.40; 0.93] 1.52 [1.18; 1.93] 1.72 [1.49; 1.99] 3.06 [1.89; 4.99] 1.88 [1.20; 2.93]	0.32 [0.18; 0.46]† 0.49 [0.24; 0.77]† -0.32 [-0.51; -0.13]† 0.79 [0.35; 1.22]† 0.36 [0.19; 0.53]† 0.87 [0.57; 1.15]† 0.36 [-0.17; 0.90] -0.35 [-0.71; 0.07] -0.23 [-0.60; 0.18] -0.88 [-1.37; -0.35]† -0.06 [-0.53; 0.37] 0.63 [-0.93; 2.65]	[5.2; 5.9] 4.4 [3.8; 5.0] 2.4 [2.3; 2.4] 5.5 [5.0; 6.1] 11.0 [9.9; 12.4] 6.7 [6.4; 7.0] 3.2 [2.7; 3.8] 4.0 [3.7; 4.2] 9.7 [5.8; 15.1] 1.9 [1.6; 2.2] 3.0 [2.8; 3.3]	[3.3; 3.9] 3.4 [2.9; 3.9] 1.2 [1.2; 1.3] 2.3 [2.0; 2.6] 8.2 [7.4; 9.4] 2.3 [2.1; 2.5] 1.5 [1.2; 1.9] 1.7 [1.5; 1.9] 1.9 [9.8; 23.9] 1.2 [1.0; 1.5]	[1.15; 1.36]* 2.25 [1.93; 2.60]* 0.94 [0.74; 1.02] 1.12 [0.89; 1.32] 0.94 [0.81; 1.07] 0.87 [0.79; 0.96]* 1.13 [0.94; 1.37] 0.81 [0.78; 0.84]* 1.05 [0.63; 2.33] 0.95	[0.94; 1.21] 1.68 [1.34; 2.08]* 1.19 [1.12; 1.25]* 1.00 [0.85; 1.18] 0.97 [0.78; 1.20] 0.61 [0.54; 0.70]* 1.03 [0.84; 1.27] 0.97 [0.82; 1.15] 3.03 [1.30; 5.32]*	-0.19 [-0.35; -0.02]† -0.57 [-1.06; -0.06]† 0.25 [0.15; 0.46]† -0.12 [-0.38; 0.17] 0.03 [-0.19; 0.29] -0.26 [-0.38; -0.14]† -0.10 [-0.42; 0.21] 0.16 [0.01; 0.34]† 1.98
South Asia¶§ [Curope and Central Asia Middle East and North Africa [Latin America and Caribbean§ [Interpretation of the properties of the	0.81 0.73; 0.90] 2.23 2.06; 2.39] 1.64 1.45; 1.83] 0.97 0.90; 1.05] 2.09 1.96; 2.21] 1.74 1.47; 2.06] 2.73 2.65; 2.80] 0.84 0.62; 1.13] 2.40 2.09; 2.75] 1.79 1.79; 3.29] 0.70 0.51; 0.97] 2.24 1.65; 3.06] 2.03 1.48; 2.75] 1.98	1.30 [1.07; 1.57] 1.91 [1.82; 2.00] 2.43 [2.05; 2.81] 1.33 [1.19; 1.48] 2.96 [2.68; 3.21] 2.11 [1.71; 2.55] 2.37 [2.02; 2.79] 0.61 [0.40; 0.93] 1.52 [1.18; 1.93] 1.72 [1.49; 1.99] 3.06 [1.89; 4.99] 1.88 [1.20; 2.93]	0.49 [0.24; 0.77]† -0.32 [-0.51; -0.13]† 0.79 [0.35; 1.22]† 0.36 [0.19; 0.53]† 0.87 [0.57; 1.15]† 0.36 [-0.17; 0.90] -0.35 [-0.71; 0.90] -0.23 [-0.60; 0.18] -0.88 [-1.37; -0.35]† -0.06 [-0.53; 0.37] 0.63 [-0.93; 2.65]	4.4 [3.8; 5.0] 2.4 [2.3; 2.4] 5.5 [5.0; 6.1] 11.0 [9.9; 12.4] 6.7 [6.4; 7.0] 3.2 [2.7; 3.8] 4.0 [3.7; 4.2] 9.7 [5.8; 15.1] 1.9 [1.6; 2.2] 3.0 [2.8; 3.3]	3.4 [2.9; 3.9] 1.2 [1.2; 1.3] 2.3 [2.0; 2.6] 8.2 [7.4; 9.4] 2.3 [2.1; 2.5] 1.5 [1.2; 1.9] 1.7 [1.5; 1.9] 15.9 [9.8; 23.9] 1.2 [1.0; 1.5]	2.25 [1.93; 2.60]* 0.94 [0.74; 1.02] 1.12 [0.89; 1.32] 0.94 [0.81; 1.07] 0.87 [0.79; 0.96]* 1.13 [0.94; 1.37] 0.81 [0.78; 0.84]* 1.05 [0.63; 2.33] 0.95	1.68 [1.34; 2.08]* 1.19 [1.12; 1.25]* 1.00 [0.85; 1.18] 0.97 [0.78; 1.20] 0.61 [0.54; 0.70]* 1.03 [0.84; 1.27] 0.97 [0.82; 1.15] 3.03 [1.30; 5.32]*	-0.57 [-1.06; -0.06]† 0.25 [0.15; 0.46]† -0.12 [-0.38; 0.17] 0.03 [-0.19; 0.29] -0.26 [-0.38; -0.14]† -0.10 [-0.42; 0.21] 0.16 [0.01; 0.34]† 1.98
Europe and Central Asia Comparison Comp	0.73; 0.90] 2.23 2.06; 2.39] 1.64 1.45; 1.83] 0.97 0.90; 1.05] 2.09 1.96; 2.21] 1.74 1.47; 2.06] 2.73 2.65; 2.80] 0.84 0.62; 1.13] 2.40 2.09; 2.75] 1.79 1.45; 2.19] 2.43 1.79; 3.29] 0.70 0.51; 0.97] 2.24 1.65; 3.06] 2.03 1.48; 2.75] 1.98	[1.07; 1.57] 1.91 [1.82; 2.00] 2.43 [2.05; 2.81] 1.33 [1.19; 1.48] 2.96 [2.68; 3.21] 2.11 [1.71; 2.55] 2.37 [2.02; 2.79] 0.61 [0.40; 0.93] 1.52 [1.18; 1.93] 1.72 [1.49; 1.99] 3.06 [1.89; 4.99] 1.88 [1.20; 2.93] 2.30	[0.24; 0.77]†	[3.8; 5.0] 2.4 [2.3; 2.4] 5.5 [5.0; 6.1] 11.0 [9.9; 12.4] 6.7 [6.4; 7.0] 3.2 [2.7; 3.8] 4.0 [3.7; 4.2] 9.7 [5.8; 15.1] 1.9 [1.6; 2.2] 3.0 [2.8; 3.3]	[2.9; 3.9] 1.2 [1.2; 1.3] 2.3 [2.0; 2.6] 8.2 [7.4; 9.4] 2.3 [2.1; 2.5] 1.5 [1.2; 1.9] 1.7 [1.5; 1.9] [9.8; 23.9] 1.2 [1.0; 1.5]	[1.93; 2.60]* 0.94 [0.74; 1.02] 1.12 [0.89; 1.32] 0.94 [0.81; 1.07] 0.87 [0.79; 0.96]* 1.13 [0.94; 1.37] 0.81 [0.78; 0.84]* 1.05 [0.63; 2.33] 0.95	[1.34; 2.08]* 1.19 [1.12; 1.25]* 1.00 [0.85; 1.18] 0.97 [0.78; 1.20] 0.61 [0.54; 0.70]* 1.03 [0.84; 1.27] 0.97 [0.82; 1.15] 3.03 [1.30; 5.32]*	[-1.06; -0.06]† 0.25 [0.15; 0.46]† -0.12 [-0.38; 0.17] 0.03 [-0.19; 0.29] -0.26 [-0.38; -0.14]† -0.10 [-0.42; 0.21] 0.16 [0.01; 0.34]† 1.98
Middle East and North Africa Sub-Saharan Africa Latin America and Caribbean§ East Asia and Pacific North America Afghanistan§ (CAI) Albania Algeria Andorra (II) Angola Anguilla Antigua and Barbuda (II) Armenia Australia Azerbaijan Bahamas [II] Bahamas [II] Bangladesh¶§ [II] Belgium [II] II] II] II] III] I	2.06; 2.39] 1.64 1.45; 1.83] 0.97 0.90; 1.05] 2.09 1.96; 2.21] 1.74 1.47; 2.06] 2.73 2.65; 2.80] 0.84 0.62; 1.13] 2.40 2.09; 2.75] 1.79 1.45; 2.19] 2.43 1.79; 3.29] 0.70 0.51; 0.97] 2.24 1.65; 3.06] 2.03 1.48; 2.75]	[1.82; 2.00] 2.43 [2.05; 2.81] 1.33 [1.19; 1.48] 2.96 [2.68; 3.21] 2.11 [1.71; 2.55] 2.37 [2.02; 2.79] 0.61 [0.40; 0.93] 1.52 [1.18; 1.93] 1.72 [1.49; 1.99] 1.88 [1.20; 2.93] 2.30	[-0.51; -0.13]† 0.79 [0.35; 1.22]† 0.36 [0.19; 0.53]† 0.87 [0.57; 1.15]† 0.36 [-0.17; 0.90] -0.35 [-0.71; 0.07] -0.23 [-0.60; 0.18] -0.88 [-1.37; -0.35]† -0.06 [-0.53; 0.37] 0.63 [-0.93; 2.65]	[2.3; 2.4] 5.5 [5.0; 6.1] 11.0 [9.9; 12.4] 6.7 [6.4; 7.0] 3.2 [2.7; 3.8] 4.0 [3.7; 4.2] 9.7 [5.8; 15.1] 1.9 [1.6; 2.2] 3.0 [2.8; 3.3]	[1.2; 1.3] 2.3 [2.0; 2.6] 8.2 [7.4; 9.4] 2.3 [2.1; 2.5] 1.5 [1.2; 1.9] 1.7 [1.5; 1.9] 15.9 [9.8; 23.9] 1.2 [1.0; 1.5]	[0.74; 1.02] 1.12 [0.89; 1.32] 0.94 [0.81; 1.07] 0.87 [0.79; 0.96]* 1.13 [0.94; 1.37] 0.81 [0.78; 0.84]* 1.05 [0.63; 2.33]	[1.12; 1.25]* 1.00 [0.85; 1.18] 0.97 [0.78; 1.20] 0.61 [0.54; 0.70]* 1.03 [0.84; 1.27] 0.97 [0.82; 1.15] 3.03 [1.30; 5.32]*	[0.15; 0.46]† -0.12 [-0.38; 0.17] 0.03 [-0.19; 0.29] -0.26 [-0.38; -0.14]† -0.10 [-0.42; 0.21] 0.16 [0.01; 0.34]† 1.98
Middle East and North Africa Sub-Saharan Africa Latin America and Caribbean§ East Asia and Pacific (Interpretable of the property of the p	1.64 1.45; 1.83] 0.97 0.90; 1.05] 2.09 1.96; 2.21] 1.74 1.47; 2.06] 2.73 2.65; 2.80] 0.84 0.62; 1.13] 2.40 2.09; 2.75] 1.79 1.45; 2.19] 2.43 1.79; 3.29] 0.70 0.51; 0.97] 2.24 1.65; 3.06] 2.03 1.48; 2.75] 1.98	2.43 [2.05; 2.81] 1.33 [1.19; 1.48] 2.96 [2.68; 3.21] 2.11 [1.71; 2.55] 2.37 [2.02; 2.79] 0.61 [(.40; 0.93] 1.52 [1.18; 1.93] 1.72 [1.49; 1.99] 3.06 [1.89; 4.99] 1.88 [1.20; 2.93] 2.30	0.79 [0.35; 1.22]† 0.36 [0.19; 0.53]† 0.87 [0.57; 1.15]† 0.36 [-0.17; 0.90] -0.35 [-0.71; 0.07] -0.23 [-0.60; 0.18] -0.88 [-1.37; -0.35]† -0.06 [-0.53; 0.37] 0.63 [-0.93; 2.65]	5.5 [5.0; 6.1] 11.0 [9.9; 12.4] 6.7 [6.4; 7.0] 3.2 [2.7; 3.8] 4.0 [3.7; 4.2] 9.7 [5.8; 15.1] 1.9 [1.6; 2.2] 3.0 [2.8; 3.3]	2.3 [2.0; 2.6] 8.2 [7.4; 9.4] 2.3 [2.1; 2.5] 1.5 [1.2; 1.9] 1.7 [1.5; 1.9] [1.5; 9] [9.8; 23.9] [1.2] [1.0; 1.5]	1.12 [0.89; 1.32] 0.94 [0.81; 1.07] 0.87 [0.79; 0.96]* 1.13 [0.94; 1.37] 0.81 [0.78; 0.84]* 1.05 [0.63; 2.33] 0.95	1.00 [0.85; 1.18] 0.97 [0.78; 1.20] 0.61 [0.54; 0.70]* 1.03 [0.84; 1.27] 0.97 [0.82; 1.15] 3.03 [1.30; 5.32]*	-0.12 [-0.38; 0.17] -0.03 [-0.19; 0.29] -0.26 [-0.38; -0.14]† -0.10 [-0.42; 0.21] -0.16 [-0.01; 0.34]† -0.19
Sub-Saharan Africa Latin America and Caribbean§ East Asia and Pacific (In North America Afghanistan§ (In Albania Algeria Andorra Angola Anguilla Antigua and Barbuda Argentina Armenia Australia Australia Azerbaijan Bahamas [In Bangladesh¶§ Barbados [In Balarus [In Balarin [In Balarus [In Balarin [In Balarus [In Balaribean [I	0.97 0.97 0.90; 1.05] 2.09 1.96; 2.21] 1.74 1.47; 2.06] 2.73 2.65; 2.80] 0.84 0.62; 1.13] 2.40 2.09; 2.75] 1.79 1.45; 2.19] 2.43 1.79; 3.29] 0.70 0.51; 0.97] 2.24 1.65; 3.06] 2.03 1.48; 2.75]	1.33 [1.19; 1.48] 2.96 [2.68; 3.21] 2.11 [1.71; 2.55] 2.37 [2.02; 2.79] 0.61 [0.40; 0.93] 1.52 [1.18; 1.93] 1.72 [1.49; 1.99] 3.06 [1.89; 4.99] 1.88 [1.20; 2.93] 2.30	0.36 [0.19; 0.53]† 0.87 [0.57; 1.15]† 0.36 [-0.17; 0.90] -0.35 [-0.71; 0.07] -0.23 [-0.60; 0.18] -0.88 [-1.37; -0.35]† -0.06 [-0.53; 0.37] 0.63 [-0.93; 2.65]	11.0 [9.9; 12.4] 6.7 [6.4; 7.0] 3.2 [2.7; 3.8] 4.0 [3.7; 4.2] 9.7 [5.8; 15.1] 1.9 [1.6; 2.2] 3.0 [2.8; 3.3]	8.2 [7.4; 9.4] 2.3 [2.1; 2.5] 1.5 [1.2; 1.9] 1.7 [1.5; 1.9] 15.9 [9.8; 23.9] 1.2 [1.0; 1.5]	0.94 [0.81; 1.07] 0.87 [0.79; 0.96]* 1.13 [0.94; 1.37] 0.81 [0.78; 0.84]* 1.05 [0.63; 2.33]	0.97 [0.78; 1.20] 0.61 [0.54; 0.70]* 1.03 [0.84; 1.27] 0.97 [0.82; 1.15] 3.03 [1.30; 5.32]*	0.03 [-0.19; 0.29] -0.26 [-0.38; -0.14]† -0.10 [-0.42; 0.21] 0.16 [0.01; 0.34]† 1.98
Latin America and Caribbean§ East Asia and Pacific North America Afghanistan§ Albania Algeria Andorra Angola Anguilla Antigua and Barbuda Arrentia Armenia Australia Azerbaijan Bahamas Bahrain Bangladesh¶§ Belgium [1] [2] [3] [4] [5] [6] [6] [7] [7] [8] [8] [8] [8] [9] [9] [9] [10] [11] [12] [12] [13] [14] [15] [15] [16] [16] [17] [17] [18] [18] [18] [19] [19] [10] [10] [10] [11] [12] [12] [13] [14] [15] [16] [17] [17] [18] [18] [18] [18] [18] [18] [18] [18] [18] [18] [18] [18] [18] [18] [19] [19] [10] [10] [10] [11] [12] [12] [12] [13] [14] [15] [16] [16] [17] [17] [18] [0.90: 1.05] 2.09 1.96; 2.21] 1.74 1.47; 2.06] 2.73 2.65; 2.80] 0.84 0.62; 1.13] 2.40 2.09; 2.75] 1.79 1.45; 2.19] 2.43 1.79; 3.29] 0.70 0.51; 0.97] 2.24 1.65; 3.06] 2.03 1.48; 2.75] 1.98	[1.19; 1.48] 2.96 [2.68; 3.21] 2.11 [1.71; 2.55] 2.37 [2.02; 2.79] 0.61 [0.40; 0.93] 1.52 [1.18; 1.93] 1.72 [1.49; 1.99] 3.06 [1.89; 4.99] 1.88 [1.20; 2.93] 2.30	[0.19; 0.53]† 0.87 [0.57; 1.15]† 0.36 [-0.17; 0.90] -0.35 [-0.71; 0.07] -0.23 [-0.60; 0.18] -0.88 [-1.37; -0.35]† -0.06 [-0.53; 0.37] 0.63 [-0.93; 2.65]	[9.9; 12.4] 6.7 [6.4; 7.0] 3.2 [2.7; 3.8] 4.0 [3.7; 4.2] 9.7 [5.8; 15.1] 1.9 [1.6; 2.2] 3.0 [2.8; 3.3]	[7.4; 9.4] 2.3 [2.1; 2.5] 1.5 [1.2; 1.9] 1.7 [1.5; 1.9] 15.9 [9.8; 23.9] 1.2 [1.0; 1.5]	[0.81; 1.07] 0.87 [0.79; 0.96]* 1.13 [0.94; 1.37] 0.81 [0.78; 0.84]* 1.05 [0.63; 2.33] 0.95	[0.78; 1.20] 0.61 [0.54; 0.70]* 1.03 [0.84; 1.27] 0.97 [0.82; 1.15] 3.03 [1.30; 5.32]*	[-0.19; 0.29] -0.26 [-0.38; -0.14]† -0.10 [-0.42; 0.21] 0.16 [0.01; 0.34]† 1.98
East Asia and Pacific [1] North America [2] Afghanistan§ [6] Albania [2] Algeria [1] Andorra [1] Angola [6] Anguilla [1] Antigua and Barbuda [1] Arrenia [1] Australia [2] Azerbaijan [2] Bahamas [1] Bahrain [1] Bangladesh¶§ [6] Barbados [1] Belgium [2]	1.96; 2.21] 1.74 1.47; 2.06] 2.73 2.65; 2.80] 0.84 0.62; 1.13] 2.40 2.09; 2.75] 1.79 1.45; 2.19] 2.43 1.79; 3.29] 0.70 0.51; 0.97] 2.24 1.65; 3.06] 2.03 1.48; 2.75] 1.98	[2.68; 3.21] 2.11 [1.71; 2.55] 2.37 [2.02; 2.79] 0.61 [0.40; 0.93] 1.52 [1.18; 1.93] 1.72 [1.49; 1.99] 3.06 [1.89; 4.99] 1.88 [1.20; 2.93] 2.30	[0.57; 1.15]† 0.36 [-0.17; 0.90] -0.35 [-0.71; 0.97] -0.23 [-0.60; 0.18] -0.88 [-1.37; -0.35]† -0.06 [-0.53; 0.37] 0.63 [-0.93; 2.65]	[6.4; 7.0] 3.2 [2.7; 3.8] 4.0 [3.7; 4.2] 9.7 [5.8; 15.1] 1.9 [1.6; 2.2] 3.0 [2.8; 3.3]	[2.1; 2.5] 1.5 [1.2; 1.9] 1.7 [1.5; 1.9] 15.9 [9.8; 23.9] 1.2 [1.0; 1.5]	[0.79; 0.96]* 1.13 [0.94; 1.37] 0.81 [0.78; 0.84]* 1.05 [0.63; 2.33] 0.95	[0.54; 0.70]* 1.03 [0.84; 1.27] 0.97 [0.82; 1.15] 3.03 [1.30; 5.32]*	[-0.38; -0.14]† -0.10 [-0.42; 0.21] 0.16 [0.01; 0.34]† 1.98
East Asia and Pacific [1 North America [2 Afghanistan§ [6 Albania [2 Algeria [1 Andorra [1 Angola [6 Anguilla [1 Antigua and Barbuda [1 Argentina [1 Armenia [2 Australia [2 Azerbaijan [2 Bahamas [1 Bangladesh¶§ [6 Barbados [1 Belgium [2	1.74 1.47; 2.06] 2.73 2.65; 2.80] 0.84 0.62; 1.13] 2.40 2.09; 2.75] 1.79 1.45; 2.19] 2.43 1.79; 3.29] 0.70 0.51; 0.97] 2.24 1.65; 3.06] 2.03 1.48; 2.75] 1.98	2.11 [1.71; 2.55] 2.37 [2.02; 2.79] 0.61 [0.40; 0.93] 1.52 [1.18; 1.93] 1.72 [1.49; 1.99] 3.06 [1.89; 4.99] 1.88 [1.20; 2.93]	0.36 [-0.17; 0.90] -0.35 [-0.71; 0.07] -0.23 [-0.60; 0.18] -0.88 [-1.37; -0.35]† -0.06 [-0.53; 0.37] 0.63 [-0.93; 2.65]	3.2 [2.7; 3.8] 4.0 [3.7; 4.2] 9.7 [5.8; 15.1] 1.9 [1.6; 2.2] 3.0 [2.8; 3.3]	1.5 [1.2; 1.9] 1.7 [1.5; 1.9] 15.9 [9.8; 23.9] 1.2 [1.0; 1.5]	1.13 [0.94; 1.37] 0.81 [0.78; 0.84]* 1.05 [0.63; 2.33] 0.95	1.03 [0.84; 1.27] 0.97 [0.82; 1.15] 3.03 [1.30; 5.32]*	-0.10 [-0.42; 0.21] 0.16 [0.01; 0.34]† 1.98
North America [2] Afghanistan§ [6] Albania [2] Algeria [1] Andorra [1] Angola [6] Anguilla [1] Antigua and Barbuda [1] Argentina [1] Armenia [1] Australia [2] Azerbaijan [2] Bahamas [1] Bahrain [1] Bangladesh¶§ [6] Barbados [1] Belgium [2]	2.73 2.65; 2.80] 0.84 0.62; 1.13] 2.40 2.09; 2.75] 1.79 1.45; 2.19] 2.43 1.79; 3.29] 0.70 0.51; 0.97] 2.24 1.65; 3.06] 2.03 1.48; 2.75]	2.37 [2.02; 2.79] 0.61 [0.40; 0.93] 1.52 [1.18; 1.93] 1.72 [1.49; 1.99] 3.06 [1.89; 4.99] 1.88 [1.20; 2.93] 2.30	-0.35 [-0.71; 0.07] -0.23 [-0.60; 0.18] -0.88 [-1.37; -0.35]† -0.06 [-0.53; 0.37] 0.63 [-0.93; 2.65]	4.0 [3.7; 4.2] 9.7 [5.8; 15.1] 1.9 [1.6; 2.2] 3.0 [2.8; 3.3]	1.7 [1.5; 1.9] 15.9 [9.8; 23.9] 1.2 [1.0; 1.5]	0.81 [0.78; 0.84]* 1.05 [0.63; 2.33] 0.95	0.97 [0.82; 1.15] 3.03 [1.30; 5.32]*	0.16 [0.01; 0.34]† 1.98
Afghanistan§ [C] Albania [2] Algeria [1] Andorra [1] Angola [C] Anguilla [1] Antigua and Barbuda [1] Argentina [1] Armenia [1] Australia [2] Austria [2] Bahamas [1] Bahrain [1] Bangladesh¶§ [6] Barbados [1] Belgium [2]	2.65; 2.80] 0.84 0.62; 1.13] 2.40 2.09; 2.75] 1.79 1.45; 2.19] 2.43 1.79; 3.29] 0.70 0.51; 0.97] 2.24 1.65; 3.06] 2.03 1.48; 2.75] 1.98	[2.02; 2.79] 0.61 [0.40; 0.93] 1.52 [1.18; 1.93] 1.72 [1.49; 1.99] 3.06 [1.89; 4.99] 1.88 [1.20; 2.93] 2.30	[-0.71; 0.07] -0.23 [-0.60; 0.18] -0.88 [-1.37; -0.35]† -0.06 [-0.53; 0.37] 0.63 [-0.93; 2.65]	[3.7; 4.2] 9.7 [5.8; 15.1] 1.9 [1.6; 2.2] 3.0 [2.8; 3.3]	[1.5; 1.9] 15.9 [9.8; 23.9] 1.2 [1.0; 1.5]	[0.78; 0.84]* 1.05 [0.63; 2.33] 0.95	[0.82; 1.15] 3.03 [1.30; 5.32]*	[0.01; 0.34]† 1.98
Albania [2] Algeria [1] Andorra [1] Angola [0] Anguilla [1] Antigua and Barbuda [1] Argentina [1] Armenia [1] Australia [2] Azerbaijan [2] Bahamas [1] Bahrain [1] Bangladesh¶\$ [0] Barbados [1] Belgium [2]	0.62; 1.13] 2.40 2.09; 2.75] 1.79 11.45; 2.19] 2.43 1.79; 3.29] 0.70 0.51; 0.97] 2.24 1.65; 3.06] 2.03 1.48; 2.75]	[0.40; 0.93] 1.52 [1.18; 1.93] 1.72 [1.49; 1.99] 3.06 [1.89; 4.99] 1.88 [1.20; 2.93]	[-0.60; 0.18] -0.88 [-1.37; -0.35]† -0.06 [-0.53; 0.37] 0.63 [-0.93; 2.65]	[5.8; 15.1] 1.9 [1.6; 2.2] 3.0 [2.8; 3.3]	[9.8; 23.9] 1.2 [1.0; 1.5]	[0.63; 2.33] 0.95	[1.30; 5.32]*	
Albania [2 Algeria [1 Andorra [1 Angola [6 Anguilla [1 Antigua and Barbuda [1 Argentina [1 Armenia [2 Australia [2 Azerbaijan [2 Bahamas [1 Bahrain [1 Bangladesh¶§ [0 Barbados [1 Belgium [2	2.40 2.09; 2.75] 1.79 1.45; 2.19] 2.43 1.79; 3.29] 0.70 0.51; 0.97] 2.24 1.65; 3.06] 2.03 1.48; 2.75] 1.98	1.52 [1.18; 1.93] 1.72 [1.49; 1.99] 3.06 [1.89; 4.99] 1.88 [1.20; 2.93] 2.30	-0.88 [-1.37; -0.35]† -0.06 [-0.53; 0.37] 0.63 [-0.93; 2.65]	1.9 [1.6; 2.2] 3.0 [2.8; 3.3]	1.2 [1.0; 1.5]	0.95		
Algeria [1] Andorra [1] Angola [6] Anguilla [1] Antigua and Barbuda [1] Argentina [1] Armenia [1] Australia [2] Azerbaijan [2] Bahamas [1] Bahrain [1] Bangladesh¶§ [6] Barbados [1] Belgium [2]	1.79 1.45; 2.19] 2.43 1.79; 3.29] 0.70 0.51; 0.97] 2.24 1.65; 3.06] 2.03 1.48; 2.75] 1.98	1.72 [1.49; 1.99] 3.06 [1.89; 4.99] 1.88 [1.20; 2.93] 2.30	-0.06 [-0.53; 0.37] 0.63 [-0.93; 2.65]	3.0 [2.8; 3.3]		10.83: 1 101	1 54 4 5 4 0 0 3 15	0.52
Andorra [1] Angola [6] Anguilla [1] Antigua and Barbuda [1] Argentina [1] Armenia [1] Australia [2] Austria [2] Azerbaijan [2] Bahamas [1] Bahrain [1] Bangladesh¶§ [6] Barbados [1] Belgium [2]	2.43 1.79; 3.29] 0.70 0.51; 0.97] 2.24 1.65; 3.06] 2.03 1.48; 2.75] 1.98	3.06 [1.89; 4.99] 1.88 [1.20; 2.93] 2.30	0.63 [-0.93; 2.65]			1.22	[1.16; 1.88]* 1.35	[0.17; 0.94]† 0.13
Angola [C] Anguilla [I] Antigua and Barbuda [I] Argentina [I] Armenia [I] Australia [2] Azerbaijan [2] Bahamas [I] Bahrain [I] Bangladesh¶\$ [C] Barbados [I] Belgium [2]	1.79; 3.29] 0.70 0.51; 0.97] 2.24 1.65; 3.06] 2.03 1.48; 2.75] 1.98	[1.89; 4.99] 1.88 [1.20; 2.93] 2.30	[-0.93; 2.65]		[1.6; 2.0]	[0.98; 1.53]	[1.16; 1.56]*	[-0.23; 0.45]
Anguilla [1] Antigua and Barbuda [1] Argentina [1] Armenia [1] Australia [2] Austria [2] Azerbaijan [2] Bahamas [1] Bahrain [1] Bangladesh¶§ [0] Barbados [1] Belgium [2]	0.51; 0.97] 2.24 1.65; 3.06] 2.03 1.48; 2.75] 1.98	[1.20; 2.93] 2.30	1 12	1.9 [1.4; 2.4]	0.6 [0.4; 0.9]	0.93 [0.68; 1.28]	0.73 [0.45; 1.17]	-0.20 [-0.66; 0.34]
Anguilla [1] Antigua and Barbuda [1] Argentina [1] Armenia [1] Australia [2] Austria [2] Azerbaijan [2] Bahamas [1] Bahrain [1] Bangladesh¶§ [6] Barbados [1] Belgium [2]	2.24 1.65; 3.06] 2.03 1.48; 2.75] 1.98	2.30		15.8	8.4	1.00 [0.69; 1.78]	0.53	-0.47
Antigua and Barbuda [1] Argentina [1] Armenia [1] Australia [2] Austria [2] Azerbaijan [2] Bahamas [1] Bahrain [1] Bangladesh¶§ [6] Barbados [1] Belgium [2]	2.03 1.48; 2.75] 1.98	[1 27, 4 22]	[0.42; 2.26]† 0.06	[11.6; 20.9] 2.7	[5.7; 12.1] 1.2	1.00	[0.27; 1.22]	[-1.22; 0.25] 0.00
Argentina [1] Armenia [1] Australia [2] Austria [2] Azerbaijan [2] Bahamas [1] Bahrain [1] Bangladesh¶§ [6] Barbados [1] Belarus [2] Belgium [2]	1.48; 2.75] 1.98	[1.27; 4.23]	[-1.31; 2.08]	[2.0; 3.6]	[0.7; 1.8]	[0.72; 1.38]	[0.55; 1.77]	[-0.59; 0.84]
Armenia [1] Australia [2] Austria [2] Azerbaijan [2] Bahamas [1] Bahrain [1] Bangladesh¶§ [0] Barbados [1] Belarus [2] Belgium [2]		2.52 [1.45; 4.30]	0.49 [-0.85; 2.45]	3.6 [2.2; 5.4]	1.4 [0.8; 2.5]	0.96 [0.53; 1.42]	0.91 [0.53; 1.58]	-0.05 [-0.68; 0.75]
Armenia [1] Australia [2] Austria [2] Azerbaijan [2] Bahamas [1] Bahrain [1] Bangladesh¶§ [6] Barbados [1] Belarus [2] Belgium [2]	1.05, 2.111	2.18	0.21	3.5 [3.3; 3.8]	1.6 [1.5; 1.8]	1.16	1.06 [0.92; 1.24]	-0.09 [-0.26; 0.09]
Australia [2] Austria [2] Azerbaijan [2] Bahamas [1] Bahrain [1] Bangladesh¶§ [6] Barbados [1] Belarus [2] Belgium [2]	2.26	[1.89; 2.52] 2.86	[-0.12; 0.57] 0.59	3.1	1.1	[1.08; 1.24]* 1.03	0.81	-0.22
Austria [2] Azerbaijan [2] Bahamas [1] Bahrain [1] Bangladesh¶§ [6] Barbados [1] Belarus [2] Belgium [2]	1.95; 2.63] 2.45	[2.22; 3.66]	[-0.13; 1.46] -0.36	[2.5; 3.7]	[0.8; 1.4] 1.1	[0.88; 1.20] 0.93	[0.63; 1.04] 1.09	[-0.46; 0.05] 0.15
Azerbaijan [2] Bahamas [1] Bahrain [1] Bangladesh¶§ [6] Barbados [1] Belarus [2] Belgium [2]	2.26; 2.66]	[1.76; 2.47]	[-0.75; 0.07]	[2.0; 2.4]	[0.9; 1.2]	[0.86; 1.02]	[0.91; 1.29]	[-0.04; 0.37]
Azerbaijan [2] Bahamas [1] Bahrain [1] Bangladesh¶§ [6] Barbados [1] Belarus [2] Belgium [2]	3.12 2.78; 3.50]	1.98 [1.58; 2.47]	-1.14 [-1.68; -0.55]†	1.7 [1.5; 1.9]	0.9 [0.7; 1.0]	0.73 [0.64; 0.82]*	1.11 [0.90; 1.40]	0.39 [0.15; 0.68]†
Bahamas [1] Bahrain [1] Bangladesh¶\$ [6] Barbados [1] Belarus [2] Belgium [2]	2.39	2.02	-0.37	5.0	2.5	0.97	1.13	0.15
Bahrain [1] Bangladesh¶§ [C Barbados [1] Belarus [2] Belgium [2]	2.15; 2.65] 2.09	[1.76; 2.32]	[-0.75; 0.01] 0.30	[4.6; 5.4] 4.4	[2.2; 2.8]	[0.87; 1.08] 1.08	[0.98; 1.30] 0.96	[-0.03; 0.36] -0.12
Bangladesh¶\$ [(I Barbados [1] Belarus [2] Belgium [2]	1.61; 2.69]	[1.60; 3.64]	[-0.75; 1.67]	[3.3; 5.7]	[1.2; 2.7]	[0.83; 1.42]	[0.62; 1.44]	[-0.61; 0.45]
Bangladesh¶§ [C Barbados [1 Belarus [2 Belgium [2	2.07 1.59; 2.71]	1.80 [1.40; 2.31]	-0.27 [-1.02; 0.43]	2.2 [1.7; 2.6]	1.2 [0.9; 1.5]	1.11 [0.85; 1.47]	1.26 [0.99; 1.60]	0.14 [-0.30; 0.58]
Barbados [1] Belarus [2] Belgium [2]	0.96	1.20	0.24	2.7	2.3	2.00	1.90	-0.10
Belarus [2] Belgium [2]	0.80; 1.16] 1.90	[0.89; 1.61]	[-0.13; 0.68] 0.34	[1.7; 3.9]	[1.4; 3.3]	[1.50; 2.56]* 1.18	[1.42; 2.57]* 1.03	[-0.84; 0.75] -0.15
Belgium [2	1.46; 2.47]	[1.29; 3.82]	[-0.84; 2.01]	[1.8; 4.4]	[0.7; 2.2]	[0.89; 1.55]	[0.60; 1.78]	[-0.75; 0.68]
Belgium [2	2.40 2.19; 2.63]	2.10 [1.65; 2.69]	-0.30 [-0.81; 0.31]	2.1 [1.8; 2.4]	1.0 [0.8; 1.2]	0.93 [0.84; 1.03]	1.07 [0.84; 1.36]	0.15 [-0.10; 0.45]
	2.61	1.66	-0.95	1.2	0.7	0.88	1.28	0.40
	2.34; 2.90] 2.40	[1.33; 2.08]	[-1.39; -0.45]† -0.25	[1.1; 1.4] 5.3	[0.6; 0.9]	[0.79; 0.99]* 0.96	[1.02; 1.62]* 1.05	[0.11; 0.75]† 0.08
Belize [1	1.80; 3.24]	[1.48; 3.14]	[-1.33; 0.95]	[3.9; 7.0]	[1.7; 3.5]	[0.71; 1.29]	[0.70; 1.54]	[-0.40; 0.64]
Benin [0	0.96 0.75; 1.23]	1.09 [0.74; 1.60]	0.13 [-0.33; 0.68]	11.4 [7.1; 17.0]	10.5 [6.5; 15.9]	1.29 [0.73; 2.29]	1.50 [0.64; 2.67]	0.21 [-1.14; 1.53]
Bhutan	0.93 0.68; 1.26]	1.70 [1.01; 2.91]	0.77 [-0.03; 1.99]	6.5 [3.3; 10.5]	3.8 [1.9; 6.6]	1.08 [0.59; 2.42]	1.27 [0.68; 2.22]	0.19 [-1.31; 1.31]
Bolivia (Plurinational State of)	1.12	1.71	0.58	5.5	3.2	1.39	1.31	-0.09
, (0	0.88; 1.43] 2.13	[0.99; 2.90]	[-0.22; 1.80] 0.29	[2.7; 8.8]	[1.6; 5.6]	[0.82; 2.10] 1.09	[0.73; 2.31] 0.94	[-1.03; 1.10] -0.15
Bosnia and Herzegovina [1	1.83; 2.47]	[1.70; 3.44]	[-0.52; 1.35]	[1.7; 2.9]	[0.6; 1.3]	[0.94; 1.28]	[0.67; 1.33]	[-0.49; 0.27]
Botswana	1.16 0.87; 1.54]	2.00 [1.24; 3.23]	0.84 [-0.04; 2.12]	6.0 [3.4; 9.6]	3.0 [1.6; 5.1]	1.07 [0.56; 2.03]	1.10 [0.65; 1.83]	0.02 [-1.03; 0.94]
Brazil8	2.68	4.10	1.42	7.6	1.8	0.77	0.51	-0.26
[2	2.29; 3.14] 2.24	[3.26; 5.18]	[0.45; 2.57]† 0.07	[7.0; 8.1] 4.4	[1.5; 2.2] 1.9	[0.65; 0.92]* 0.99	[0.40; 0.66]*	[-0.45; -0.07]† 0.00
British Virgin Islands [1	1.62; 3.06]	[1.26; 4.17]	[-1.29; 2.05]	[3.2; 5.9]	[1.2; 3.0]	[0.71; 1.39]	[0.54; 1.84]	[-0.62; 0.92]
Brunei [1	2.18 1.63; 2.93]	1.66 [1.02; 2.74]	-0.52 [-1.52; 0.75]	1.3	0.8 [0.5; 1.1]	0.95 [0.68; 1.31]	1.29 [0.80; 2.07]	0.34 [-0.29; 1.19]
Rulgaria	2.09	2.10	0.01	3.2	1.5	1.09	1.11	0.01
Burkina Faso	1.90; 2.31] 0.81	[1.76; 2.52] 1.58	[-0.39; 0.46] 0.77	[2.9; 3.5] 8.6	[1.3; 1.8] 5.4	[0.99; 1.21] 1.22	[0.92; 1.33] 1.25	[-0.20; 0.25] 0.02
DUIKIÑA PASO [(0.65; 1.02]	[0.97; 2.58]	[0.09; 1.80]†	[4.8; 13.3]	[2.9; 9.0]	[0.81; 2.05]	[0.60; 2.21]	[-1.04; 1.12]
Burundi [0	0.67 0.49; 0.92]	1.53 [1.01; 2.35]	0.86 [0.27; 1.69]†	9.8 [6.1; 14.2]	6.4 [3.8; 9.6]	1.02 [0.73; 1.77]	1.21 [0.58; 2.04]	0.20 [-0.78; 1.07]
Cambodia	1.05 0.82; 1.34]	2.02	0.97 [0.08; 2.32]†	4.5 [2.5; 7.4]	2.2	0.80 [0.52; 1.43]	1.12 [0.66; 1.91]	0.32 [-0.47; 1.16]
Cameroon	0.04, 1.341	[1.20; 3.36] 1.20	0.19	12.5; 7.4]	[1.1; 3.9] 10.7	1.27	1.14	-0.47; 1.16]
Į(1.01	[0.80; 1.78]	[-0.32; 0.81] -0.96	[8.1; 19.7] 2.2	[6.7; 16.6] 1.2	[0.77; 2.12] 0.83	[0.49; 2.31] 1.28	[-1.26; 1.18] 0.45
Canada [2] ¶: Sex ratio is outlying in 1990. §: Sex ratio is		[1.51; 2.08]	[-1.29; -0.59]†	[2.1; 2.4]	[1.1; 1.4]	[0.77; 0.90]*	[1.09; 1.50]*	[0.24; 0.68]†

	1	C		nued from previ		E-4		C1- F-15
	1990	Sex ratio 5q15 2021	Change 1990–2021	Male Sex-specific 5	Female Female	1990	imated/Expected 2021	Change 1990–2021
Cape Verde	2.09	1.25	-0.83	2.0	1.6	1.09	1.79	0.69
Central African Republic	[1.58; 2.75] 0.84	[0.95; 1.66]	[-1.57; -0.18]† 0.68	[1.4; 2.7] 14.4	[1.1; 2.2] 9.5	[0.82; 1.45] 1.11	[1.36; 2.34]* 1.09	[0.13; 1.32]† -0.02
Chad	[0.67; 1.07] 1.05	[0.88; 2.67] 1.20	[-0.02; 1.84] 0.15	[6.4; 27.1] 16.3	[4.1; 18.4] 13.5	[0.72; 2.00] 1.05	[0.37; 2.57]	[-1.16; 1.46] -0.23
Chile	[0.85; 1.31]	[0.79; 1.84]	[-0.35; 0.81] -0.12	[9.6; 25.0] 3.1	[7.8; 21.0] 1.4	[0.73; 1.70] 0.97	[0.40; 2.05]	[-1.04; 1.04] 0.07
	[2.17; 2.57] 1.82	[1.82; 2.76] 2.23	[-0.59; 0.44] 0.41	[2.8; 3.3]	[1.2; 1.6] 0.8	[0.89; 1.06] 1.20	[0.84; 1.28]	[-0.15; 0.32] -0.21
China	[1.39; 2.40] 2.55	[1.45; 3.47]	[-0.62; 1.78] 0.73	[1.1; 2.5]	[0.5; 1.2]	[0.89; 1.61] 0.48	[0.64; 1.51]	[-0.77; 0.43] 0.19
Colombia¶	[1.99; 3.24] 1.15	[2.57; 4.19] 1.83	[-0.25; 1.79] 0.68	[5.7; 6.6] 4.6	[1.5; 2.3] 2.5	[0.32; 0.73]*	[0.52; 0.87]* 1.25	[-0.11; 0.45] 0.10
Comoros	[0.85; 1.55]	[1.06; 3.15]	[-0.25; 2.08]	[2.8; 6.9]	[1.4; 4.1]	[0.59; 2.13]	[0.71; 2.17]	[-1.08; 1.22]
Congo	0.87 [0.65; 1.17]	1.72 [1.04; 2.80]	0.85 [0.07; 1.99]†	5.8 [2.8; 10.4]	3.4 [1.5; 6.3]	0.82 [0.57; 1.90]	1.27 [0.71; 2.18]	0.45 [-0.75; 1.41]
Democratic Republic of the Congo	0.93 [0.69; 1.27]	1.04 [0.67; 1.62]	0.11 [-0.42; 0.76]	17.4 [9.9; 26.9]	16.7 [9.6; 25.7]	0.87 [0.54; 2.12]	0.87 [0.43; 2.39]	0.00 [-1.34; 1.54]
Cook Islands¶	2.83 [2.17; 3.71]	2.54 [1.43; 4.47]	-0.29 [-1.78; 1.81]	7.8 [3.9; 11.4]	3.1 [1.4; 5.1]	0.58 [0.31; 0.87]*	0.82 [0.42; 1.56]	0.24 [-0.28; 1.05]
Costa Rica	1.96 [1.64; 2.32]	2.66 [2.10; 3.41]	0.71 [0.02; 1.52]†	3.5 [3.1; 3.8]	1.3 [1.1; 1.6]	1.19 [1.00; 1.42]	0.87 [0.68; 1.11]	-0.31 [-0.62; -0.01]†
Cote d'Ivoire	1.20 [0.94; 1.52]	1.35 [0.82; 2.23]	0.15 [-0.50; 1.08]	11.8 [6.1; 20.0]	8.7 [4.4; 15.4]	1.03 [0.61; 1.80]	1.15 [0.41; 2.40]	0.12 [-1.03; 1.43]
Croatia	2.37 [2.08; 2.70]	2.89 [2.29; 3.63]	0.51	2.9 [2.6; 3.3]	1.0 [0.8; 1.2]	0.96 [0.84; 1.10]	0.81	-0.16 [-0.37; 0.09]
Cuba¶	1.52	1.65	0.12	2.5	1.5	1.48	1.40	-0.08
Cyprus	[1.41; 1.65]	[1.37; 1.99]	[-0.18; 0.48] -0.32	[2.2; 2.7]	[1.3; 1.7]	[1.35; 1.61]* 0.93	[1.16; 1.68]* 1.00	[-0.36; 0.23] 0.07
Czech Republic	[1.89; 3.29] 2.18	[1.35; 3.54] 2.19	[-1.54; 1.23] 0.00	[1.1; 1.9] 1.8	[0.4; 1.0] 0.8	[0.70; 1.23] 1.06	[0.62; 1.58]	[-0.43; 0.72] -0.04
Denmark	[1.98; 2.41] 2.22	[1.81; 2.64] 1.82	[-0.44; 0.50] -0.40	[1.6; 1.9] 1.2	[0.7; 0.9]	[0.95; 1.18] 1.05	[0.84; 1.23]	[-0.25; 0.20] 0.13
	[1.94; 2.54] 0.91	[1.46; 2.28] 1.50	[-0.88; 0.14] 0.58	[1.0; 1.4] 12.2	[0.5; 0.8]	[0.91; 1.20] 1.02	[0.92; 1.49]	[-0.18; 0.47] -0.02
Djibouti	[0.66; 1.25]	[0.82; 2.73]	[-0.21; 1.84] 0.26	[8.3; 16.8]	[5.1; 12.3] 0.9	[0.59; 2.06] 0.84	[0.37; 2.40]	[-1.10; 1.42] -0.08
Dominica	[2.03; 3.61]	[1.76; 5.02]	[-1.30; 2.40]	[1.3; 4.7]	[0.4; 1.8]	[0.63; 1.13]	[0.46; 1.27]	[-0.51; 0.49]
Dominican Republic	2.07 [1.56; 2.73]	2.41 [1.41; 4.12]	0.34 [-0.91; 2.18]	5.6 [3.1; 9.0]	2.3 [1.2; 4.1]	0.97 [0.65; 1.37]	0.91 [0.51; 1.60]	-0.06 [-0.66; 0.74]
Ecuador	1.70 [1.57; 1.84]	1.96 [1.68; 2.28]	0.26 [-0.06; 0.60]	4.0 [3.7; 4.4]	2.1 [1.8; 2.3]	1.24 [1.13; 1.37]*	1.18 [1.01; 1.38]*	-0.06 [-0.27; 0.17]
Egypt¶	1.33 [1.13; 1.55]	2.27 [1.72; 2.98]	0.95 [0.34; 1.68]†	5.1 [4.5; 5.6]	2.2 [1.8; 2.7]	1.63 [1.38; 1.95]*	1.00 [0.76; 1.33]	-0.63 [-1.03; -0.21]†
El Salvador¶§	3.31 [2.95; 3.71]	4.80 [3.71; 6.21]	1.48 [0.33; 2.98]†	6.9 [6.1; 7.6]	1.4 [1.1; 1.8]	0.52 [0.43; 0.64]*	0.45 [0.34; 0.59]*	-0.07 [-0.23; 0.09]
Equatorial Guinea	0.86 [0.63; 1.18]	1.41 [0.78; 2.57]	0.55 [-0.18; 1.75]	12.6 [8.7; 17.3]	8.9 [5.4; 13.3]	1.00 [0.59; 2.00]	1.01 [0.37; 2.45]	0.00 [-1.06; 1.47]
Eritrea	0.80 [0.59; 1.11]	1.84	1.04 [0.13; 2.59]†	10.3 [7.3; 13.9]	5.6 [3.4; 8.6]	1.01 [0.62; 1.95]	0.98	-0.04 [-1.06; 1.04]
Estonia	2.62 [2.26; 3.04]	1.51 [1.08; 2.12]	-1.11 [-1.73; -0.39]†	2.0 [1.5; 2.4]	1.3	0.80 [0.68; 0.94]*	1.49 [1.07; 2.05]*	0.69
Ethiopia¶	1.07	1.89	0.81	9.9	5.2	0.71	0.98	0.26
Federated States of Micronesia	[0.87; 1.33] 1.94	[1.19; 2.98] 2.18	[0.04; 1.93]† 0.24	[5.6; 14.4] 6.6	[2.8; 8.3]	[0.56; 0.95]* 0.99	[0.46; 1.74]	[-0.32; 1.05] 0.01
Fiji§	[1.42; 2.70] 1.86	[1.18; 4.00] 1.35	[-1.04; 2.11] -0.51	[4.7; 8.8] 4.6	[1.8; 4.8]	[0.64; 1.45] 1.08	[0.51; 1.91] 1.70	[-0.66; 0.99] 0.61
Finland	[1.37; 2.51] 2.61	[0.94; 1.94] 2.15	[-1.30; 0.30] -0.45	[3.6; 5.8]	[2.5; 4.4]	[0.68; 1.56] 0.87	[1.16; 2.45]* 1.07	[-0.14; 1.48] 0.19
	[2.29; 2.96] 2.41	[1.77; 2.62] 2.15	[-0.99; 0.12] -0.26	[2.2; 2.7] 1.4	[1.0; 1.3] 0.6	[0.77; 1.00]* 0.96	[0.88; 1.30]	[-0.03; 0.45] 0.03
France	[2.27; 2.55] 1.45	[1.83; 2.52] 1.58	[-0.60; 0.13] 0.13	[1.3; 1.5] 8.2	[0.6; 0.7] 5.2	[0.90; 1.03] 1.21	[0.84; 1.19]	[-0.14; 0.24] 0.04
Gabon	[1.08; 1.93] 0.91	[0.93; 2.73] 1.92	[-0.72; 1.36] 1.01	[3.3; 14.4] 10.3	[2.0; 9.7] 5.4	[0.56; 1.85]	[0.53; 2.34]	[-0.99; 1.39] -0.04
The Gambia	[0.67; 1.24]	[1.92 [1.25; 2.97] 2.23	[0.23; 2.10]†	[7.6; 13.6] 4.1	[3.6; 7.6]	[0.58; 1.94] 0.93	[0.48; 1.61]	[-0.99; 0.72] 0.11
Georgia	[2.02; 3.01]	[1.74; 2.86]	[-0.97; 0.56]	[3.6; 4.6]	[1.5; 2.2]	[0.75; 1.14]	[0.80; 1.34]	[-0.21; 0.46]
Germany	2.46 [2.32; 2.61]	2.08 [1.89; 2.30]	-0.37 [-0.62; -0.12]†	1.5 [1.4; 1.5]	0.7 [0.7; 0.8]	0.94 [0.88; 1.01]	1.04 [0.92; 1.17]	0.10 [-0.04; 0.25]
Ghana	1.23 [0.93; 1.64]	1.57 [0.95; 2.57]	0.34 [-0.46; 1.42]	8.6 [4.8; 13.0]	5.5 [2.9; 8.8]	1.08 [0.50; 2.04]	1.26 [0.63; 2.27]	0.18 [-1.06; 1.42]
Greece	2.78 [2.51; 3.10]	2.08 [1.66; 2.62]	-0.70 [-1.23; -0.11]†	1.4 [1.2; 1.5]	0.7 [0.5; 0.8]	0.83 [0.74; 0.93]*	1.03 [0.82; 1.29]	0.20 [-0.03; 0.48]
Grenada	1.99 [1.49; 2.67]	3.37 [2.09; 5.44]	1.38 [-0.12; 3.55]	3.6 [2.2; 5.2]	1.1 [0.6; 1.8]	1.13 [0.83; 1.54]	0.68 [0.42; 1.10]	-0.45 [-0.94; 0.08]
Guatemala¶	1.44 [1.35; 1.53]	2.31 [1.78; 3.00]	0.87	8.5 [7.2; 9.8]	3.7 [2.9; 4.6]	1.37 [1.25; 1.49]*	0.87	-0.50 [-0.74; -0.18]†
Guinea	0.90	1.08 [0.68; 1.73]	0.18	13.4	12.4 [7.0; 19.7]	1.02	1.22 [0.49; 2.74]	0.20
Guinea-Bissau	0.78	1.18 [0.73; 1.92]	0.40	11.4	9.7	1.01 [0.63; 1.94]	1.38	0.37
Guyana¶	[0.56; 1.07]	1.64	0.01	[8.0; 15.6] 6.8	4.1	1.33	[0.58; 2.72]	-0.02
Haiti	[1.39; 1.92] 0.81	[1.12; 2.40]	[-0.60; 0.82] 0.58	[4.7; 9.2] 7.4	[2.7; 5.9] 5.3	[1.11; 1.59]*	[0.85; 2.01]	[-0.56; 0.71] 0.28
Honduras	[0.62; 1.06] 1.88	[0.87; 2.19]	[-0.02; 1.41] 0.41	[4.0; 12.2] 5.6	[2.8; 9.0]	[0.70; 2.47] 0.97	[0.81; 2.56] 0.97	[-1.17; 1.50] 0.00
	[1.36; 2.56] 2.36	[1.27; 4.13] 2.30	[-0.89; 2.38] -0.06	[4.0; 7.4] 1.8	[1.5; 3.8] 0.8	[0.57; 1.45] 0.97	[0.52; 1.80] 0.97	[-0.68; 0.93] 0.00
Hungary	[2.14; 2.59] 2.34	[1.82; 2.88] 3.31	[-0.59; 0.57] 0.97	[1.6; 2.0] 1.9	[0.6; 0.9]	[0.88; 1.07] 0.98	[0.78; 1.22]	[-0.23; 0.27] -0.30
Iceland ¶: Sex ratio is outlying in 1990. §: Sex	[1.76; 3.11]	[2.17; 5.04]	[-0.43; 2.81]	[1.4; 2.6]	[0.4; 0.9]	[0.73; 1.31]	[0.45; 1.02]	[-0.70; 0.13]

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	1990	Sex ratio 5q15	Change	Sex-specific 5 Male	q15 in 2021 (per 1,000) Female	1990	imated/Expected 2021	Change
Y 11 00	0.75	1.25	1990-2021 0.50	3.9	3.1	2.55	1.84	1990–2021 -0.70
India¶§	[0.66; 0.86]	[0.98; 1.62] 2.08	[0.20; 0.88]† 0.56	[3.3; 4.4]	[2.6; 3.6]	[2.12; 3.04]* 1.36	[1.42; 2.38]* 1.05	[-1.34; -0.01]† -0.31
Indonesia¶	[1.20; 1.94]	[1.30; 3.37]	[-0.37; 1.96]	[3.6; 9.0]	[1.6; 4.7]	[1.02; 1.80]*	[0.62; 1.74]	[-0.97; 0.50]
Iran (Islamic Republic of)	1.41 [1.03; 1.89]	2.30 [1.66; 3.20]	0.89 [0.05; 1.88]†	6.2 [5.3; 7.2]	2.7 [2.1; 3.5]	1.00 [0.61; 1.48]	0.96 [0.68; 1.36]	-0.05 [-0.61; 0.53]
Iraq	2.11 [1.54; 2.89]	2.17 [1.22; 3.92]	0.06 [-1.22; 1.95]	5.2 [3.8; 7.0]	2.4 [1.5; 3.7]	1.00 [0.70; 1.41]	1.04 [0.56; 1.89]	0.04 [-0.62; 0.97]
Ireland	2.45	1.76	-0.70	1.1	0.6	0.95	1.21	0.27
Israel	[2.15; 2.80] 2.47	[1.41; 2.19] 2.46	[-1.18; -0.18]† -0.01	[0.9; 1.2]	[0.5; 0.7]	[0.83; 1.08] 0.94	[0.96; 1.54] 0.88	[-0.03; 0.62] -0.06
	[2.17; 2.81]	[2.06; 2.96] 2.14	[-0.53; 0.57] -1.01	[1.4; 1.7] 1.1	[0.5; 0.7]	[0.83; 1.08] 0.73	[0.74; 1.07]	[-0.26; 0.16] 0.26
Italy	[2.96; 3.35] 2.14	[1.81; 2.54] 2.49	[-1.40; -0.57]† 0.34	[1.0; 1.2] 4.9	[0.4; 0.6]	[0.68; 0.78]* 0.99	[0.82; 1.21]	[0.08; 0.49]† -0.07
Jamaica	[1.58; 2.94]	[1.42; 4.35]	[-1.06; 2.30]	[3.6; 6.5]	[1.2; 3.1]	[0.69; 1.38]	[0.51; 1.63]	[-0.65; 0.72]
Japan	2.67 [2.55; 2.80]	1.65 [1.52; 1.79]	-1.02 [-1.21; -0.84]†	1.4 [1.3; 1.4]	0.8 [0.8; 0.9]	0.87 [0.82; 0.92]*	1.30 [1.16; 1.48]*	0.43 [0.28; 0.62]†
Jordan	2.32 [1.74; 3.10]	2.15 [1.27; 3.67]	-0.17 [-1.35; 1.54]	4.2 [3.1; 5.6]	2.0 [1.2; 3.0]	0.95 [0.69; 1.28]	1.07 [0.62; 1.82]	0.12 [-0.47; 0.92]
Kazakhstan	1.91 [1.78; 2.04]	1.83 [1.65; 2.02]	-0.08 [-0.30; 0.15]	3.8	2.1 [1.9; 2.2]	1.12	1.27	0.15 [-0.01; 0.31]
Kenya¶	1.17	1.63	0.46	[3.6; 4.0] 7.4	4.5	[1.04; 1.22]* 1.63	[1.14; 1.41]* 1.28	-0.35
Kiribati	[0.92; 1.49] 1.55	[1.00; 2.62] 1.95	[-0.27; 1.52] 0.40	[4.2; 11.5] 9.2	[2.5; 7.5]	[1.06; 2.23]* 0.99	[0.70; 2.20]	[-1.23; 0.76] 0.00
Democratic People's Republic of	[1.14; 2.13] 1.97	[1.05; 3.58] 1.98	[-0.68; 2.08] 0.01	[6.5; 12.4] 4.9	[2.9; 7.3] 2.5	[0.52; 1.61] 1.01	[0.46; 2.01]	[-0.79; 1.08] 0.14
Korea	[1.44; 2.71]	[1.11; 3.45]	[-1.16; 1.59]	[3.5; 6.5]	[1.5; 3.8]	[0.68; 1.44]	[0.64; 2.08]	[-0.53; 1.13]
Republic of Korea	2.41 [2.04; 2.84]	1.67 [1.33; 2.08]	-0.75 [-1.29; -0.18]†	1.4 [1.3; 1.5]	0.8 [0.7; 1.0]	0.94 [0.79; 1.12]	1.29 [1.03; 1.64]*	0.35 [0.03; 0.73]†
Kosovo	2.16 [1.59; 2.95]	2.31 [1.26; 4.25]	0.15	3.3 [2.4; 4.4]	1.4 [0.8; 2.3]	1.00 [0.70; 1.39]	1.00 [0.54; 1.82]	0.01 [-0.60; 0.89]
Kuwait	4.34 [3.48; 5.45]	3.31 [2.49; 4.45]	-1.02 [-2.45; 0.43]	2.9 [2.4; 3.5]	0.9 [0.7; 1.2]	0.83 [0.65; 1.03]	0.70 [0.52; 0.93]*	-0.13 [-0.40; 0.16]
Kyrgyzstan§	1.71	1.33	-0.37	3.8	2.9	1.33	1.74	0.41
Lao People's Democratic Republic	[1.53; 1.91] 1.00	[1.18; 1.51] 1.51	[-0.63; -0.12]† 0.52	[3.5; 4.1] 5.4	[2.6; 3.1] 3.6	[1.18; 1.49]* 1.19	[1.52; 1.99]* 1.46	[0.14; 0.70]† 0.26
1	[0.74; 1.34] 2.75	[0.90; 2.55]	[-0.21; 1.60] -0.45	[2.7; 10.1] 3.0	[1.7; 6.9]	[0.56; 2.65]	[0.80; 2.52]	[-1.43; 1.56] 0.27
Latvia¶	[2.42; 3.13] 7.46	[1.75; 3.07] 2.33	[-1.13; 0.39] -5.12	[2.5; 3.5]	[1.0; 1.6] 1.4	[0.63; 0.85]* 1.00	[0.76; 1.33]	[-0.01; 0.60] 0.00
Lebanon	[5.47; 10.21]	[1.27; 4.18]	[-8.12; -2.31]†	[2.4; 4.4]	[0.9; 2.3]	[0.71; 1.38]	[0.55; 1.82]	[-0.62; 0.88]
Lesotho	1.22 [0.92; 1.62]	1.17 [0.74; 1.88]	-0.05 [-0.65; 0.74]	10.6 [5.6; 17.8]	9.0 [4.7; 15.2]	0.97 [0.49; 1.92]	1.47 [0.56; 2.78]	0.51 [-0.88; 1.92]
Liberia	3.32 [2.50; 4.52]	1.27 [0.81; 1.98]	-2.06 [-3.36; -0.91]†	14.0 [8.2; 21.9]	11.1 [6.3; 17.6]	1.06 [0.57; 2.26]	0.95 [0.41; 2.24]	-0.11 [-1.51; 1.32]
Libya	2.17 [1.59; 2.99]	2.34 [1.28; 4.26]	0.17	3.8 [2.8; 5.0]	1.6 [1.0; 2.6]	1.00 [0.71; 1.41]	0.99	-0.01 [-0.63; 0.86]
Lithuania	2.49	2.37	-0.12	2.9	1.2	0.86	0.98	0.11
Luxembourg	[2.22; 2.79] 2.39	[1.87; 3.03]	[-0.71; 0.59] -0.22	[2.5; 3.4]	[1.0; 1.5] 0.8	[0.76; 0.98]* 0.93	[0.77; 1.24]	[-0.13; 0.39] 0.08
	[1.82; 3.12] 2.25	[1.37; 3.46] 1.63	[-1.35; 1.20] -0.62	[1.2; 2.2] 1.8	[0.5; 1.1] 1.1	[0.70; 1.24] 1.03	[0.65; 1.58]	[-0.41; 0.70] 0.32
Macedonia	[1.84; 2.76] 0.97	[1.19; 2.24] 1.28	[-1.31; 0.12] 0.31	[1.5; 2.1] 11.5	[0.8; 1.4]	[0.84; 1.27] 1.24	[1.00; 1.84] 1.25	[-0.11; 0.84] 0.01
Madagascar	[0.77; 1.21]	[0.77; 2.17]	[-0.28; 1.23]	[5.7; 18.6]	[4.4; 14.9]	[0.75; 2.13]	[0.44; 2.62]	[-1.27; 1.50]
Malawi	0.86 [0.71; 1.05]	1.61 [1.08; 2.40]	0.74 [0.16; 1.54]†	8.7 [5.8; 12.3]	5.4 [3.4; 8.1]	1.04 [0.72; 1.68]	1.24 [0.70; 1.98]	0.20 [-0.64; 1.00]
Malaysia	2.46 [2.14; 2.84]	2.59 [2.37; 2.82]	0.12 [-0.31; 0.51]	3.1 [3.0; 3.3]	1.2 [1.1; 1.3]	0.89 [0.76; 1.03]	0.90 [0.82; 0.99]*	0.01 [-0.15; 0.16]
Maldives¶	1.47 [1.15; 1.90]	2.01 [1.26; 3.20]	0.55 [-0.36; 1.79]	2.7 [2.0; 3.4]	1.3 [0.9; 1.9]	1.48 [1.12; 1.95]*	1.14 [0.72; 1.82]	-0.34 [-0.97; 0.45]
Mali	0.74	1.27	0.53	10.7	8.4	1.40	1.37	-0.03
Malta	[0.59; 0.92] 2.58	[0.85; 1.90]	[0.06; 1.19]† -0.35	[6.7; 16.1] 1.3	[5.2; 13.0] 0.6	[0.89; 2.50] 0.90	[0.60; 2.37]	[-1.38; 1.13] 0.07
	[1.92; 3.47] 1.96	[1.35; 3.64] 2.13	[-1.66; 1.28] 0.17	[0.9; 1.8] 7.1	[0.3; 0.9]	[0.67; 1.20] 0.99	[0.60; 1.58]	[-0.43; 0.73] 0.00
Marshall Islands	[1.43; 2.68]	[1.16; 3.95]	[-1.07; 2.07]	[5.1; 9.6]	[2.0; 5.3]	[0.65; 1.44]	[0.50; 1.93]	[-0.66; 1.00]
Mauritania	1.57 [1.16; 2.14]	1.39 [0.90; 2.14]	-0.18 [-0.93; 0.68]	7.8 [4.5; 12.1]	5.6 [3.1; 9.1]	1.06 [0.54; 1.66]	1.49 [0.81; 2.44]	0.43 [-0.49; 1.52]
Mauritius¶	1.46 [1.23; 1.74]	1.99 [1.53; 2.61]	0.53 [-0.01; 1.20]	4.1 [3.5; 4.8]	2.1 [1.7; 2.6]	1.58 [1.32; 1.89]*	1.16 [0.88; 1.52]	-0.42 [-0.85; 0.02]
Mexico	2.28 [2.19; 2.36]	2.54 [2.23; 2.89]	0.26 [-0.06; 0.63]	6.3 [6.0; 6.6]	2.5 [2.2; 2.7]	0.96 [0.92; 1.01]	0.87 [0.75; 1.00]*	-0.10 [-0.22; 0.04]
Republic of Moldova	2.04	2.20	0.15	4.0	1.8	1.08	1.05	-0.03
Monaco	[1.81; 2.31] 2.32	[1.72; 2.80]	[-0.41; 0.82] -0.09	[3.5; 4.5]	[1.5; 2.2]	[0.95; 1.23] 1.00	[0.82; 1.35]	[-0.31; 0.30] 0.00
	[1.70; 3.15] 1.70	[1.20; 4.17] 2.01	[-1.45; 1.94] 0.31	[1.3; 2.4] 4.2	[0.5; 1.3]	[0.74; 1.37] 1.25	[0.54; 1.79]	[-0.60; 0.83] -0.10
Mongolia	[1.37; 2.10] 2.04	[1.51; 2.66] 1.87	[-0.34; 1.05] -0.17	[3.6; 4.9]	[1.7; 2.6] 1.1	[0.98; 1.59] 1.14	[0.86; 1.53]	[-0.56; 0.36] 0.07
Montenegro	[1.54; 2.68]	[1.19; 2.93]	[-1.16; 1.03]	[1.5; 2.7]	[0.8; 1.6]	[0.87; 1.50]	[0.78; 1.86]	[-0.52; 0.81]
Montserrat	2.23 [1.63; 3.04]	2.34 [1.26; 4.30]	0.11 [-1.25; 2.15]	2.8 [2.0; 3.8]	1.2 [0.7; 1.9]	0.99 [0.71; 1.39]	0.99 [0.54; 1.78]	0.00 [-0.62; 0.84]
Morocco	1.69 [1.33; 2.15]	2.02 [1.19; 3.43]	0.33 [-0.66; 1.80]	2.8 [1.4; 4.5]	1.4 [0.7; 2.5]	1.28 [0.97; 1.66]	1.13 [0.67; 1.91]	-0.15 [-0.77; 0.70]
Mozambique	1.08 [0.85; 1.37]	1.65 [0.99; 2.75]	0.57	11.2	6.8 [3.0; 12.9]	0.73 [0.49; 1.24]	0.98	0.25 [-0.62; 1.35]
Myanmar	1.08	2.34	1.26	5.2	2.2	1.04	1.17	0.13
Namibia	[0.78; 1.48]	[1.40; 3.92] 1.41	[0.21; 2.87]† 0.00	[2.9; 8.5] 8.3	[1.2; 3.9] 5.9	[0.53; 2.18] 0.93	[0.70; 1.98] 1.42	[-1.11; 1.13] 0.49
¶: Sex ratio is outlying in 1990. §: Sex	[1.10; 1.79]	[0.85; 2.29] 2021 * The rati	[-0.70; 0.95]	[4.6; 13.1] pected female mo	[3.2; 9.8]	[0.56; 1.53]	[0.69; 2.55]	[-0.48; 1.68]

				nued from previ				
	1990	Sex ratio 5q15 2021	Change	Sex-specific 5 Male	q15 in 2021 (per 1,000) Female	1990	imated/Expected 2021	Change
	1.80	2.15	1990-2021 0.35	6.9	3.2	0.97	1.00	1990-2021 0.02
Nauru	[1.30; 2.48]	[1.16; 3.91]	[-0.86; 2.20]	[4.9; 9.2]	[1.9; 5.0]	[0.54; 1.49]	[0.51; 1.94]	[-0.69; 1.03]
Nepal¶	0.91 [0.71; 1.15]	1.45 [0.90; 2.34]	0.55 [-0.08; 1.46]	5.1 [2.9; 8.1]	3.5 [1.9; 5.8]	2.05 [1.31; 2.85]*	1.55 [0.93; 2.54]	-0.51 [-1.54; 0.77]
Netherlands	2.02 [1.83; 2.23]	1.80 [1.54; 2.12]	-0.22 [-0.56; 0.15]	1.2	0.7 [0.6; 0.8]	1.14 [1.03; 1.27]*	1.19 [0.98; 1.42]	0.04 [-0.20; 0.31]
New Zealand	2.50 [2.24; 2.80]	1.62 [1.37; 1.92]	-0.88 [-1.27; -0.48]†	2.4 [2.2; 2.7]	1.5 [1.3; 1.7]	0.86 [0.76; 0.97]*	1.41 [1.20; 1.68]*	0.56 [0.31; 0.84]†
Nicaragua	1.93	2.28	0.35	4.9	2.2	0.99	1.00	0.01
Niger	[1.42; 2.66] 0.83	[1.24; 4.21] 1.27	[-0.94; 2.32] 0.43	[3.6; 6.7]	[1.3; 3.5] 8.9	[0.56; 1.49] 1.05	[0.53; 1.87]	[-0.70; 0.96] 0.24
	[0.66; 1.07] 0.92	[0.79; 2.05]	[-0.12; 1.25] 0.34	[5.9; 18.5] 8.9	[4.6; 15.1] 7.0	[0.67; 1.82] 1.02	[0.48; 2.54]	[-0.88; 1.56] 0.52
Nigeria	[0.69; 1.22]	[0.90; 1.78] 2.20	[-0.15; 0.93] 0.02	[5.9; 13.0] 6.9	[4.6; 10.4] 3.2	[0.60; 2.17] 1.00	[0.88; 2.36]	[-0.83; 1.46] -0.01
Niue	[1.58; 2.96]	[1.21; 4.02]	[-1.26; 1.95]	[4.8; 9.5]	[2.0; 4.8]	[0.72; 1.40]	[0.50; 1.88]	[-0.65; 0.93]
Norway	2.79 [2.44; 3.19]	1.97 [1.60; 2.45]	-0.81 [-1.36; -0.22]†	1.7 [1.5; 1.9]	0.8 [0.7; 1.0]	0.83 [0.72; 0.95]*	1.11 [0.90; 1.38]	0.29 [0.03; 0.57]†
Oman	2.19 [1.60; 2.96]	2.31 [1.25; 4.30]	0.12 [-1.24; 2.21]	3.7 [2.7; 4.9]	1.6 [0.9; 2.5]	1.00 [0.72; 1.39]	1.00 [0.53; 1.85]	0.00 [-0.62; 0.89]
Pakistan	1.16 [0.93; 1.44]	2.19 [1.37; 3.50]	1.03 [0.12; 2.41]†	7.2 [4.3; 10.8]	3.3 [1.8; 5.5]	1.47 [0.95; 2.03]	0.96 [0.55; 1.61]	-0.51 [-1.24; 0.37]
Palau¶	2.82	1.30	-1.52	8.2	6.3	0.68	1.51	0.83
Panama	[2.16; 3.66] 2.20	[0.97; 1.72] 2.35	[-2.43; -0.75]† 0.15	[3.6; 17.2] 5.0	[2.8; 13.4]	[0.43; 0.95]* 1.00	[0.64; 2.21]	[-0.11; 1.59] -0.03
Papua New Guinea§	[1.80; 2.68] 1.60	[1.90; 2.94] 1.11	[-0.51; 0.87] -0.49	[4.5; 5.4] 6.8	[1.8; 2.5]	[0.81; 1.24] 1.00	[0.77; 1.21]	[-0.35; 0.27] 0.94
•	[1.17; 2.18] 1.87	[0.68; 1.81]	[-1.23; 0.34] 0.28	[4.8; 9.3] 5.8	[4.2; 8.7] 2.7	[0.55; 1.58] 1.05	[1.10; 3.29]* 1.04	[-0.08; 2.36] -0.01
Paraguay	[1.39; 2.50]	[1.19; 3.92]	[-0.92; 2.13]	[4.1; 7.7]	[1.6; 4.2]	[0.72; 1.49]	[0.55; 1.93]	[-0.70; 0.95]
Peru	1.48 [1.24; 1.78]	1.82 [1.08; 3.02]	0.33 [-0.48; 1.57]	2.9 [1.4; 4.7]	1.6 [0.8; 2.8]	1.23 [0.90; 1.55]	1.26 [0.76; 2.09]	0.03 [-0.60; 0.92]
Philippines¶	1.61 [1.33; 1.97]	2.04 [1.55; 2.68]	0.43	5.0 [4.4; 5.5]	2.5 [2.0; 3.0]	1.35 [1.09; 1.67]*	[0.84; 1.48]	-0.23 [-0.64; 0.20]
Poland	2.90 [2.71; 3.09]	2.13 [1.92; 2.36]	-0.77 [-1.05; -0.46]†	2.5 [2.4; 2.6]	1.2 [1.1; 1.3]	0.79 [0.73; 0.84]*	1.08 [0.97; 1.21]	0.30 [0.17; 0.44]†
Portugal¶	3.51	2.10	-1.41	1.5	0.7	0.61	1.03	0.43
Qatar	[3.20; 3.84] 2.35	[1.75; 2.53] 2.92	[-1.89; -0.87]† 0.57	[1.3; 1.7] 2.8	[0.6; 0.8]	[0.55; 0.67]* 0.97	[0.85; 1.25]	[0.23; 0.66]†
Romania	[1.76; 3.13]	[1.99; 4.33] 2.34	[-0.68; 2.13] 0.25	[2.2; 3.3]	[0.7; 1.3]	[0.72; 1.29] 1.09	[0.53; 1.15]	[-0.61; 0.27] -0.10
	[1.94; 2.24] 2.56	[2.06; 2.64]	[-0.07; 0.59] -0.44	[2.6; 3.0]	[1.1; 1.3]	[1.01; 1.18]* 0.81	[0.87; 1.13]	[-0.25; 0.06] 0.28
Russian Federation	[2.47; 2.64]	[1.85; 2.43]	[-0.71; -0.12]†	[3.7; 4.1]	[1.7; 2.0] 2.5	[0.77; 0.85]*	[0.95; 1.26]	[0.13; 0.45]†
Rwanda¶	1.03 [0.82; 1.30]	1.84 [1.22; 2.79]	0.81 [0.11; 1.78]†	4.6 [2.7; 6.8]	[1.4; 3.9]	[0.49; 0.80]*	[0.80; 1.89]	0.61 [0.13; 1.29]†
Saint Kitts and Nevis	2.27 [1.68; 3.04]	2.63 [1.57; 4.50]	0.37 [-1.02; 2.32]	8.4 [5.0; 12.6]	3.2 [1.7; 5.4]	1.00 [0.74; 1.37]	0.76 [0.38; 1.37]	-0.24 [-0.80; 0.44]
Saint Lucia	2.07 [1.57; 2.77]	2.47 [1.51; 4.19]	0.40 [-0.83; 2.17]	5.5 [3.8; 7.5]	2.2 [1.3; 3.5]	1.08 [0.79; 1.44]	0.91 [0.52; 1.52]	-0.17 [-0.71; 0.52]
Samoa	1.69 [1.24; 2.30]	1.61 [1.00; 2.62]	-0.07 [-0.97; 1.04]	4.0 [2.1; 6.2]	2.5 [1.3; 4.0]	1.06 [0.39; 1.68]	1.42 [0.86; 2.29]	0.37 [-0.51; 1.50]
San Marino	2.27	2.13	-0.13	1.2	0.6	1.00	1.00	0.01
Sao Tome and Principe	[1.66; 3.10] 1.47	[1.14; 3.99] 2.19	[-1.45; 1.83] 0.73	[0.9; 1.6] 7.9	[0.3; 0.9]	[0.72; 1.37]	[0.55; 1.84] 0.92	[-0.60; 0.90] -0.22
•	[1.08; 1.99] 1.86	[1.29; 3.71]	[-0.35; 2.32] 1.23	[3.8; 13.4] 6.4	[1.6; 6.7]	[0.41; 1.92] 1.02	[0.43; 1.69]	[-1.21; 0.93] -0.32
Saudi Arabia	[1.37; 2.54] 1.05	[1.91; 4.96] 1.54	[-0.18; 3.22] 0.49	[3.8; 10.0] 7.6	[1.1; 3.6] 5.0	[0.52; 1.53] 1.48	[0.41; 1.16]	[-0.95; 0.38] -0.12
Senegal	[0.81; 1.36]	[1.00; 2.36]	[-0.16; 1.36]	[4.7; 10.8]	[2.9; 7.3]	[0.81; 2.28]	[0.80; 2.20]	[-1.11; 0.99]
Serbia	2.31 [1.95; 2.75]	2.10 [1.64; 2.67]	-0.22 [-0.87; 0.49]	2.2 [2.0; 2.4]	1.1 [0.9; 1.3]	1.00 [0.83; 1.19]	1.08 [0.85; 1.39]	0.08 [-0.23; 0.44]
Seychelles	2.28 [1.70; 3.07]	3.42 [2.15; 5.37]	1.15 [-0.43; 3.29]	6.5 [4.0; 9.0]	1.9 [1.1; 3.1]	1.01 [0.75; 1.36]	0.63 [0.39; 1.04]	-0.38 [-0.83; 0.14]
Sierra Leone	0.70 [0.52; 0.96]	1.08 [0.75; 1.54]	0.37 [-0.05; 0.87]	16.8 [10.1; 24.2]	15.7 [9.3; 22.8]	1.06 [0.71; 2.85]	0.88 [0.47; 2.07]	-0.18 [-1.99; 1.03]
Singapore	2.12 [1.73; 2.58]	1.78 [1.29; 2.46]	-0.34 [-1.04; 0.46]	1.1 [0.9; 1.4]	0.6 [0.5; 0.8]	1.10 [0.90; 1.34]	1.20 [0.85; 1.69]	0.10 [-0.33; 0.63]
Slovakia	2.28	1.95	-0.33	2.3	1.2	1.02	1.17	0.15
Slovenia	[2.03; 2.55] 2.47	[1.60; 2.40] 2.16	[-0.77; 0.18] -0.31	[2.1; 2.5]	[1.0; 1.4]	[0.90; 1.15] 0.93	[0.95; 1.43]	[-0.10; 0.43] 0.08
	[2.11; 2.90] 2.02	[1.49; 3.14] 1.82	[-1.11; 0.74] -0.20	[1.3; 1.9] 5.3	[0.5; 1.0]	[0.78; 1.09] 1.00	[0.70; 1.44]	[-0.27; 0.54] 0.24
Solomon Islands	[1.46; 2.77] 0.75	[1.03; 3.19] 0.94	[-1.32; 1.27] 0.18	[3.8; 7.1] 16.4	[1.8; 4.4] 17.4	[0.69; 1.45] 1.00	[0.69; 2.24] 1.01	[-0.49; 1.27] 0.02
Somalia	[0.55; 1.04]	[0.50; 1.74]	[-0.35; 1.02]	[10.5; 23.5]	[11.4; 24.9]	[0.64; 1.84]	[0.41; 3.38]	[-0.95; 2.35]
South Africa§	1.71 [1.32; 2.23]	1.42 [1.15; 1.78]	-0.29 [-0.88; 0.22]	8.7 [7.6; 9.9]	6.1 [5.1; 7.1]	1.07 [0.62; 1.50]	1.40 [1.08; 1.80]*	0.33 [-0.20; 0.92]
South Sudan	0.65 [0.47; 0.91]	1.00 [0.55; 1.87]	0.35 [-0.19; 1.23]	15.5 [10.1; 22.1]	15.5 [9.9; 22.3]	1.04 [0.73; 1.82]	1.01 [0.40; 3.17]	-0.03 [-0.95; 2.11]
Spain	2.62 [2.46; 2.79]	1.76 [1.48; 2.10]	-0.85 [-1.19; -0.48]†	1.0 [0.9; 1.1]	0.5 [0.5; 0.6]	0.87 [0.82; 0.94]*	1.21 [0.99; 1.48]	0.34 [0.10; 0.62]†
Sri Lanka	1.75	2.04	0.29	2.1	1.0	1.09	1.10	0.01
Saint Vincent and the Grenadines	[1.49; 2.06]	[1.40; 2.99]	[-0.43; 1.30] -0.08	[1.6; 2.7] 8.3	[0.7; 1.4]	[0.89; 1.32]	[0.77; 1.59]	[-0.41; 0.54] -0.08
	[1.69; 3.03] 2.37	[1.29; 3.67] 2.42	[-1.32; 1.59] 0.05	[5.4; 11.6] 4.7	[2.2; 6.0] 2.0	[0.74; 1.36] 0.99	[0.49; 1.66] 1.00	[-0.67; 0.72] 0.00
State of Palestine	[1.72; 3.24] 0.89	[1.33; 4.42] 1.52	[-1.43; 2.17] 0.62	[3.4; 6.3] 12.4	[1.2; 3.1] 8.2	[0.70; 1.40] 0.95	[0.54; 1.83]	[-0.62; 0.91] 0.00
Sudan	[0.66; 1.20]	[0.83; 2.78]	[-0.15; 1.91]	[8.6; 17.0]	[5.0; 12.2]	[0.58; 1.78]	[0.36; 2.33]	[-0.92; 1.39]
Suriname¶§	1.56 [1.24; 1.95]	1.26 [0.99; 1.61]	-0.30 [-0.79; 0.18]	5.5 [4.4; 6.7]	4.4 [3.5; 5.4]	1.38 [1.07; 1.76]*	1.79 [1.37; 2.32]*	0.41 [-0.17; 1.02]
¶: Sex ratio is outlying in 1990. §: Sex	ratio is outlying in	2021. *: The rati	o of estimated to ex	pected female mo	ortality is significantly diffe	rent from one. †:	Change is significa	antly different from zero.

	T	Sex ratio 5q15		nued from previ	q15 in 2021 (per 1,000)	Fet	imated/Expected	female 5a15
	1990	2021	Change	Male	Female	1990	2021	Change
			1990-2021					1990-2021
Eswatini	1.14	1.05	-0.08	9.7	9.2	1.27	1.77	0.50
	[0.84; 1.53]	[0.60; 1.85]	[-0.71; 0.80]	[6.6; 13.8]	[6.1; 13.1]	[0.66; 2.16]	[0.73; 3.54]	[-0.82; 2.36]
Sweden	2.27 [2.02; 2.54]	2.19 [1.82; 2.63]	-0.08 [-0.54; 0.43]	1.6 [1.5; 1.7]	0.7	1.02 [0.91; 1.16]	1.00 [0.83; 1.21]	-0.02 [-0.24; 0.21]
	2.45	2.09	-0.35	1.5; 1.7]	0.0; 0.8]	0.94	1.04	0.10
Switzerland	[2.18; 2.74]	[1.69; 2.58]	[-0.86; 0.20]	[1.4; 1.7]	[0.6; 0.9]	[0.83; 1.06]	[0.84; 1.29]	[-0.13; 0.38]
Syria	1.54	2.77	1.23	5.3	1.9	1.19	1.08	-0.11
Sylla	[1.17; 2.03]	[1.83; 4.24]	[0.13; 2.77]†	[3.7; 7.0]	[1.2; 2.8]	[0.75; 1.70]	[0.70; 1.64]	[-0.75; 0.62]
Tajikistan	1.65 [1.49; 1.84]	1.63	-0.02	2.1 [2.0; 2.3]	1.3	1.36	1.39	0.02
	1.06	[1.41; 1.89] 1.23	[-0.31; 0.28] 0.17	8.6	[1.2; 1.5] 7.0	[1.22; 1.53]* 1.25	[1.19; 1.61]* 1.62	[-0.24; 0.30] 0.36
Tanzania	[0.85; 1.33]	[0.80; 1.91]	[-0.37; 0.89]	[5.6; 12.2]	[4.5; 10.3]	[0.76; 2.02]	[0.87; 2.70]	[-0.74; 1.59]
Thailand¶§	2.53	3.29	0.76	8.7	2.7	0.74	0.61	-0.14
Thananagg	[2.08; 3.08]	[2.49; 4.35]	[-0.24; 1.91]	[7.9; 9.5]	[2.1; 3.3]	[0.58; 0.93]*	[0.44; 0.82]*	[-0.39; 0.13]
Timor Leste	1.73	0.67	-1.05	12.3	18.3	0.94	2.23	1.29
	[1.29; 2.33]	[0.43; 1.04] 1.56	[-1.74; -0.44]† 0.36	[7.2; 18.7] 8.7	[11.1; 26.8] 5.6	[0.42; 1.53]	[0.88; 4.63]	[-0.30; 3.78] 0.11
Togo	[0.93; 1.54]	[0.95; 2.57]	[-0.36; 1.42]	[4.8; 13.5]	[2.9; 9.1]	1.15 [0.65; 1.88]	[0.59; 2.24]	[-0.91; 1.24]
m	2.46	2.46	0.00	4.2	1.7	0.94	0.93	-0.01
Tonga	[1.82; 3.31]	[1.50; 4.08]	[-1.31; 1.78]	[2.7; 6.1]	[1.0; 2.8]	[0.70; 1.27]	[0.56; 1.54]	[-0.53; 0.64]
Trinidad and Tobago	1.86	2.73	0.87	7.2	2.6	1.22	0.78	-0.44
Trinidad and Tobago	[1.58; 2.21]	[2.04; 3.73]	[0.08; 1.88]†	[5.8; 8.6]	[1.9; 3.4]	[1.02; 1.44]*	[0.55; 1.07]	[-0.75; -0.08]†
Tunisia	1.97 [1.52; 2.55]	2.31 [1.65; 3.22]	0.34 [-0.55; 1.37]	4.2 [3.4; 5.1]	1.8 [1.4; 2.4]	1.15 [0.88; 1.51]	1.00 [0.71; 1.40]	-0.16 [-0.62; 0.34]
	1.67	2.21	0.54	2.4	1.1	1.04	1.03	-0.02; 0.34]
Turkey	[1.23; 2.28]	[1.84; 2.68]	[-0.20; 1.20]	[2.2; 2.6]	[0.9; 1.2]	[0.48; 1.68]	[0.86; 1.24]	[-0.66; 0.60]
Turkmenistan¶§	1.51	1.18	-0.33	4.7	4.0	1.46	1.93	0.48
Turkmenistangs	[1.28; 1.78]	[0.82; 1.70]	[-0.79; 0.25]	[3.6; 6.1]	[3.0; 5.2]	[1.22; 1.75]*	[1.32; 2.81]*	[-0.22; 1.38]
Turks and Caicos Islands	2.42 [1.85; 3.17]	2.23 [1.20; 4.04]	-0.19	2.9 [2.1; 4.0]	1.3	0.93	1.04 [0.58; 1.89]	0.11 [-0.46; 0.98]
	1.87	2.15	[-1.47; 1.71] 0.28	5.9	[0.8; 2.0]	[0.70; 1.23] 1.01	1.03	0.02
Tuvalu	[1.37; 2.55]	[1.17; 4.00]	[-0.94; 2.18]	[4.3; 7.9]	[1.6; 4.4]	[0.65; 1.49]	[0.53; 1.94]	[-0.67; 1.00]
Uganda	0.83	1.32	0.49	15.0	11.4	1.12	0.82	-0.29
Ogalida	[0.68; 1.01]	[0.88; 1.97]	[0.01; 1.15]†	[9.6; 21.9]	[7.1; 17.0]	[0.76; 1.83]	[0.40; 1.92]	[-1.12; 0.86]
Ukraine	2.19	2.28	0.08	3.5	1.5	1.01	1.02	0.01
	[2.08; 2.31] 2.28	[2.07; 2.50]	[-0.15; 0.33] 0.05	[3.4; 3.7]	[1.4; 1.7] 1.3	[0.95; 1.07] 1.00	[0.92; 1.13] 1.00	[-0.10; 0.13] -0.01
United Arab Emirates	[1.67; 3.12]	[1.26; 4.29]	[-1.34; 2.13]	[2.2; 4.1]	[0.8; 2.1]	[0.73; 1.37]	[0.54; 1.81]	[-0.62; 0.84]
Hair d Ria dam	2.55	1.80	-0.76	1.5	0.9	0.91	1.21	0.30
United Kingdom	[2.39; 2.72]	[1.47; 2.19]	[-1.12; -0.33]†	[1.4; 1.7]	[0.7; 1.0]	[0.85; 0.98]*	[0.99; 1.49]	[0.07; 0.59]†
United States of America	2.72	2.41	-0.31	4.1	1.7	0.81	0.95	0.15
	[2.65; 2.80] 1.88	[2.04; 2.86] 2.78	[-0.69; 0.15] 0.90	[3.9; 4.4] 5.0	[1.5; 1.9] 1.8	[0.77; 0.84]* 1.21	[0.80; 1.14]	[-0.01; 0.34] -0.40
Uruguay	[1.65; 2.15]	[2.26; 3.46]	[0.31; 1.62]†	[4.4; 5.5]	[1.5; 2.1]	[1.05; 1.40]*	[0.65; 1.02]	[-0.64; -0.15]†
TT 1 1'	1.61	1.14	-0.47	3.7	3.2	1.40	2.03	0.63
Uzbekistan§	[1.36; 1.91]	[0.94; 1.39]	[-0.83; -0.11]†	[3.3; 4.0]	[2.9; 3.6]	[1.17; 1.67]*	[1.66; 2.50]*	[0.16; 1.14]†
Vanuatu	2.06	1.80	-0.26	5.9	3.3	1.00	1.23	0.23
	[1.50; 2.83]	[1.03; 3.18]	[-1.36; 1.22]	[4.2; 7.9]	[2.1; 5.0]	[0.69; 1.43]	[0.67; 2.22]	[-0.48; 1.27]
Venezuela (Bolivarian Republic of)§	2.51 [2.10; 2.99]	4.26 [3.00; 6.14]	1.75 [0.38; 3.67]†	17.9 [14.8; 21.2]	4.2 [2.9; 5.8]	0.84 [0.69; 1.02]	0.20 [0.13; 0.33]*	-0.64 [-0.84; -0.44]†
XP .	1.89	2.78	0.90	4.0	1.4	1.10	0.83	-0.27
Vietnam	[1.41; 2.52]	[1.89; 4.14]	[-0.21; 2.36]	[3.0; 5.2]	[1.0; 2.1]	[0.77; 1.54]	[0.55; 1.23]	[-0.80; 0.24]
Yemen	1.88	3.07	1.19	12.5	4.1	0.98	0.99	0.00
	[1.37; 2.60]	[1.65; 5.66]	[-0.41; 3.87]	[9.0; 16.6]	[2.4; 6.5]	[0.59; 1.46]	[0.50; 1.95]	[-0.68; 1.04]
Zambia	0.79 [0.65; 0.96]	1.83 [1.24; 2.71]	1.04 [0.42; 1.94]†	11.1 [7.2; 16.5]	6.1 [3.8; 9.5]	1.20 [0.81; 1.96]	0.91 [0.41; 1.58]	-0.29 [-1.19; 0.49]
	1.29	1.44	0.14	11.0	7.6	1.56	1.18	-0.38
Zimbabwe¶	[1.03; 1.62]	[0.94; 2.18]	[-0.47; 0.96]	[7.2; 16.0]	[4.8; 11.6]	[1.17; 2.04]*	[0.52; 2.10]	[-1.21; 0.65]

Table 19: Estimates and 90% uncertainty intervals for sex ratios for 5q20 in 1990 and 2021, the change in sex ratios from 1990 to 2021, sex-specific 5q20 in 2021, and ratios of estimated to expected female 5q20 and their change from 1990 to 2021 for the world, UNICEF regions, and all countries. ¶: Sex ratio is outlying in 1990. §: Sex ratio is outlying in 2021. *: The ratio of estimated to expected female mortality is significantly different from one. †: Change is significantly different from zero.

	1	Sex ratio 5q20		Sex-specific 5	q20 in 2021 (per 1,000)	Estin	nated/Expected fe	emale 5q20
	1990	2021	Change 1990–2021	Male	Female	1990	2021	Change 1990–2021
World¶	1.35 [1.24; 1.45]	1.73 [1.54; 1.89]	0.38	7.7 [7.3; 9.3]	4.4 [4.1; 5.5]	1.26 [1.10; 1.40]*	1.02 [0.81; 1.21]	-0.24 [-0.49; 0.01]
South Asia¶	0.83	1.54	0.72	6.6	4.2	2.70	1.59	-1.12
Europe and Central Asia	[0.74; 0.92]	[1.20; 1.99]	[0.36; 1.17]†	[5.2; 9.0]	[3.3; 5.8]	[2.23; 3.18]* 0.85	[0.79; 2.09]	[-2.01; -0.42]† 0.21
Middle East and North Africa	[2.78; 3.13] 1.98	[2.32; 2.58]	[-0.74; -0.30]† 1.02	[3.5; 3.8]	[1.4; 1.6]	[0.61; 0.91]* 1.16	[1.00; 1.13]* 1.05	[0.13; 0.47]† -0.10
	[1.69; 2.39]	[2.41; 3.56] 1.29	[0.25; 1.64]† 0.15	[6.3; 9.1] 14.4	[2.1; 3.2]	[0.52; 1.50] 0.88	[0.81; 1.29]	[-0.53; 0.58] 0.08
Sub-Saharan Africa	[1.00; 1.24] 2.54	[1.10; 1.47] 3.63	[-0.07; 0.39] 1.08	[12.6; 19.5] 11.0	[9.8; 15.6] 3.0	[0.74; 1.06]	[0.71; 1.28] 0.57	[-0.21; 0.41] -0.15
Latin America and Caribbean¶§	[2.35; 2.74] 1.98	[3.18; 3.99] 2.43	[0.60; 1.50]† 0.45	[10.2; 12.2] 4.8	[2.8; 3.5]	[0.61; 0.89]* 1.17	[0.46; 0.72]*	[-0.35; 0.03] -0.11
East Asia and Pacific	[1.64; 2.36]	[1.83; 3.07]	[-0.30; 1.21]	[3.4; 8.0]	[1.4; 3.4]	[0.89; 1.46]	[0.63; 1.40]	[-0.61; 0.35]
North America	3.21 [3.14; 3.29]	2.66 [2.18; 3.23]	-0.55 [-1.04; 0.02]	7.7 [6.7; 8.8]	2.9 [2.4; 3.5]	0.83 [0.80; 0.87]*	1.01 [0.82; 1.23]	0.17 [-0.01; 0.40]
Afghanistan	0.82 [0.56; 1.21]	0.62 [0.37; 1.03]	-0.20 [-0.67; 0.30]	13.7 [3.2; 36.2]	22.0 [5.4; 57.4]	1.01 [0.63; 3.79]	3.38 [0.86; 6.75]	2.38 [-1.37; 5.56]
Albania	2.71 [2.35; 3.11]	1.91 [1.51; 2.42]	-0.80 [-1.38; -0.17]†	2.5 [1.9; 3.2]	1.3 [1.0; 1.8]	0.99 [0.86; 1.14]	1.32 [1.03; 1.69]*	0.33 [0.00; 0.73]
Algeria¶	1.56 [1.20; 2.02]	1.87 [1.57; 2.21]	0.31 [-0.23; 0.81]	3.9 [3.4; 4.4]	2.1 [1.8; 2.4]	1.72 [1.32; 2.24]*	1.42 [1.20; 1.68]*	-0.31 [-0.88; 0.18]
Andorra	2.71	2.79 [1.36; 5.78]	0.08	2.7 [1.9; 3.5]	1.0	0.99	0.91 [0.45; 1.83]	-0.08 [-0.78; 0.91]
Angola	0.73	1.66 [0.97; 2.83]	0.93	22.2 [15.7; 29.9]	13.4	1.01	0.59	-0.42 [-1.30; 0.98]
Anguilla	2.66	2.66	0.00	4.2	1.6	1.00	1.00	0.01
Antigua and Barbuda	[1.79; 3.93]	[1.27; 5.75]	0.28	[3.0; 5.7]	1.6	0.89	0.93	[-0.75; 1.09]
Argentina	[1.71; 3.74] 2.10	[1.43; 5.59] 2.81	[-1.64; 3.15] 0.72	[1.3; 9.8] 5.9	[0.4; 3.9]	[0.25; 1.46]	[0.47; 1.83] 0.96	[-0.71; 1.17] -0.32
	[1.97; 2.22] 2.42	[2.37; 3.33]	[0.25; 1.26]† 0.85	[5.1; 6.7] 4.7	[1.8; 2.5]	[1.19; 1.37]* 1.11	[0.80; 1.14]	[-0.50; -0.12]† -0.30
Armenia	[2.11; 2.79] 2.97	[2.55; 4.27] 2.74	[0.03; 1.88]† -0.22	[3.5; 5.9]	[1.0; 1.9] 1.2	[0.96; 1.29] 0.90	[0.63; 1.05] 0.94	[-0.55; -0.02]† 0.04
Australia	[2.73; 3.22] 3.47	[2.26; 3.33] 2.99	[-0.77; 0.40] -0.48	[2.8; 3.7]	[1.0; 1.4]	[0.83; 0.99]*	[0.77; 1.14]	[-0.15; 0.25] 0.07
Austria	[3.09; 3.89]	[2.32; 3.83]	[-1.27; 0.45] 0.28	[2.0; 3.0] 5.9	[0.6; 1.1]	[0.68; 0.87]*	[0.65; 1.09]	[-0.15; 0.34]
Azerbaijan	[1.91; 2.32]	2.38 [2.07; 2.74]	[-0.10; 0.70]	[4.9; 7.0]	[2.0; 3.0]	1.29 [1.17; 1.43]*	1.13 [0.98; 1.31]	-0.16 [-0.36; 0.05]
Bahamas§	2.13 [1.61; 2.81]	4.10 [2.70; 6.27]	1.98 [0.39; 4.21]†	11.3 [8.0; 15.0]	2.8 [1.7; 4.2]	1.19 [0.88; 1.60]	0.62 [0.39; 0.96]*	-0.57 [-1.04; -0.10]†
Bahrain	2.29 [1.69; 3.12]	1.65 [1.24; 2.20]	-0.64 [-1.56; 0.18]	2.9 [2.0; 3.9]	1.8 [1.2; 2.5]	1.17 [0.86; 1.57]	1.55 [1.17; 2.06]*	0.39 [-0.18; 0.97]
Bangladesh¶§	0.76 [0.61; 0.94]	1.41 [0.99; 2.01]	0.65 [0.19; 1.26]†	6.6 [4.3; 8.7]	4.6 [3.0; 6.4]	3.25 [2.40; 4.19]*	1.90 [1.33; 2.73]*	-1.35 [-2.45; -0.14]†
Barbados	2.27 [1.68; 3.03]	1.74 [0.96; 3.16]	-0.53 [-1.67; 1.05]	4.6 [1.7; 10.0]	2.6 [0.9; 6.2]	1.18 [0.88; 1.59]	1.50 [0.82; 2.74]	0.32 [-0.51; 1.60]
Belarus¶	4.01 [3.66; 4.41]	3.41 [2.57; 4.55]	-0.60 [-1.54; 0.59]	3.5 [2.6; 4.6]	1.0 [0.7; 1.5]	0.63 [0.56; 0.70]*	0.76 [0.57; 1.01]	0.13 [-0.07; 0.38]
Belgium	2.80 [2.53; 3.10]	2.67 [2.11; 3.38]	-0.13 [-0.77; 0.63]	2.4	0.9	0.96	0.94 [0.73; 1.21]	-0.02 [-0.25; 0.27]
Belize	2.58 [1.86; 3.61]	3.17 [2.08; 4.84]	0.59	11.5	3.6 [2.1; 5.9]	1.03 [0.72; 1.44]	0.78	-0.24 [-0.78; 0.31]
Benin	1.21	1.46	0.25	13.0	9.0	1.70	1.51	-0.19
Bhutan	[0.90; 1.62] 1.50	[0.91; 2.30]	[-0.45; 1.16] 0.42	[3.3; 29.2]	[2.2; 20.9]	[0.60; 2.68]	[0.43; 2.75]	[-1.70; 1.53]
Bolivia (Plurinational State of)	[1.04; 2.19] 1.55	[1.01; 3.72] 2.32	[-0.80; 2.26] 0.76	[1.8; 23.8] 7.3	[0.9; 13.5]	[0.37; 2.31]	[0.38; 2.57]	[-1.38; 1.76] -0.37
Bosnia and Herzegovina	[1.18; 2.03] 3.10	[1.20; 4.54] 3.70	[-0.48; 3.09] 0.60	[1.2; 24.0] 3.9	[0.5; 10.8]	[0.58; 2.08] 0.87	[0.34; 2.16]	[-1.37; 1.02] -0.16
-	[2.68; 3.58] 0.93	[2.43; 5.68] 2.11	[-0.75; 2.60] 1.18	[2.2; 6.3] 8.2	[0.5; 1.9]	[0.75; 1.02] 0.93	[0.46; 1.07] 1.19	[-0.45; 0.22] 0.27
Botswana	[0.65; 1.33] 3.22	[1.19; 3.84] 4.51	[0.14; 2.94]† 1.29	[2.1; 18.3] 11.9	[0.9; 9.3]	[0.56; 2.96]	[0.54; 2.20]	[-1.87; 1.30] -0.22
Brazil¶§	[2.71; 3.85] 2.64	[3.44; 5.94] 2.68	[0.03; 2.80]†	[10.6; 13.3] 7.0	[2.1; 3.4] 2.6	[0.63; 0.93]*	[0.41; 0.74]*	[-0.43; 0.02] 0.01
British Virgin Islands	[1.78; 3.96] 3.08	[1.24; 5.75]	[-1.90; 3.18]	[4.9; 9.5] 2.5	[1.4; 4.5]	[0.65; 1.49] 0.84	[0.46; 2.18]	[-0.74; 1.19] 0.70
Brunei	[2.22; 4.31]	1.64 [1.01; 2.64]	-1.45 [-2.88; -0.07]†	[1.4; 3.9]	1.5 [0.8; 2.6]	[0.59; 1.19]	1.55 [0.97; 2.49]	[0.01; 1.70]†
Bulgaria	2.57 [2.32; 2.86]	2.49 [2.10; 2.96]	-0.08 [-0.57; 0.45]	4.8 [4.2; 5.4]	1.9 [1.6; 2.3]	1.04 [0.93; 1.16]	1.08 [0.91; 1.29]	0.04 [-0.17; 0.28]
Burkina Faso	0.82 [0.63; 1.06]	1.40 [0.77; 2.51]	0.58 [-0.12; 1.73]	12.6 [3.5; 33.2]	9.0 [2.4; 24.5]	2.09 [0.86; 3.63]	1.55 [0.40; 3.28]	-0.55 [-2.62; 1.69]
Burundi	0.77 [0.52; 1.16]	2.10 [1.27; 3.44]	1.33 [0.38; 2.70]†	12.0 [2.6; 31.5]	5.7 [1.1; 15.9]	0.99 [0.66; 3.46]	1.05 [0.29; 1.96]	0.06 [-2.50; 1.05]
Cambodia	1.57 [1.18; 2.09]	2.07 [1.14; 3.76]	0.50 [-0.61; 2.26]	6.2 [1.3; 16.6]	3.0 [0.6; 8.7]	0.58 [0.36; 1.75]	1.24 [0.60; 2.30]	0.66 [-0.71; 1.71]
Cameroon	1.24	1.26	0.02	19.4 [7.4; 35.3]	15.4	1.09	1.15	0.06
Canada	3.08	2.16	-0.93	4.1	1.9	0.87	1.23	0.36
¶: Sex ratio is outlying in 1990. §: Sex	[2.86; 3.33] ratio is outlying in 2	[1.81; 2.58] 021. *: The ratio	[-1.35; -0.45]† of estimated to expect	[3.6; 4.6] ted female mortal	[1.6; 2.2] lity is significantly differen	[0.80; 0.95]* t from one. †: Cha	[1.03; 1.47]* nge is significantl	[0.15; 0.61]† y different from zero.

	_		Table 19 – continue					
	1990	Sex ratio 5q20 2021	Change	Male Sex-specific 5	fq20 in 2021 (per 1,000) Female	1990	nated/Expected for 2021	Change
a v .	2.27	2.93	1990–2021 0.65	5.7	1.9	1.17	0.92	1990–2021 -0.25
Cape Verde	[1.66; 3.10] 0.87	[2.12; 4.02] 1.02	[-0.54; 1.91] 0.15	[3.6; 8.3] 27.0	[1.2; 3.0] 26.6	[0.84; 1.62] 0.97	[0.67; 1.26] 1.51	[-0.77; 0.24] 0.54
Central African Republic	[0.68; 1.12]	[0.53; 2.06]	[-0.42; 1.22]	[6.2; 89.1]	[5.8; 89.0]	[0.66; 2.68]	[0.50; 5.90]	[-1.33; 4.84]
Chad	2.24 [1.73; 3.30]	1.36 [0.81; 2.30]	-0.88 [-2.09; 0.18]	21.8 [6.0; 51.6]	16.0 [4.3; 38.6]	2.24 [0.81; 3.36]	0.83 [0.34; 2.80]	-1.41 [-2.66; 1.14]
Chile	3.46 [3.17; 3.76]	2.77 [2.19; 3.48]	-0.69 [-1.34; 0.08]	5.0 [4.3; 5.7]	1.8 [1.5; 2.2]	0.78 [0.71; 0.85]*	0.98 [0.78; 1.23]	0.20 [-0.02; 0.46]
China	2.00 [1.43; 2.81]	2.64 [1.51; 4.54]	0.63	3.5 [1.4; 7.8]	1.3 [0.5; 3.1]	1.32 [0.94; 1.86]	0.99 [0.57; 1.72]	-0.33 [-1.04; 0.50]
Colombia¶§	2.59	4.20	1.61	10.5	2.5	0.35	0.61	0.27
Comoros	[1.90; 3.51] 2.02	[3.19; 5.51] 1.80	[0.22; 3.12]† -0.21	[9.4; 11.8] 5.3	[2.0; 3.2] 3.0	[0.22; 0.78]* 0.97	[0.46; 0.82]* 1.46	[-0.17; 0.51] 0.49
	[1.38; 2.96] 0.77	[0.93; 3.40]	[-1.58; 1.56] 0.90	[1.5; 11.2]	[0.8; 6.6]	[0.30; 1.75] 1.09	[0.76; 2.81]	[-0.64; 2.06] 0.19
Congo	[0.54; 1.10] 0.95	[0.90; 3.04] 0.98	[0.02; 2.28]† 0.03	[4.2; 32.0] 19.2	[2.4; 20.2] 19.5	[0.68; 4.02] 0.93	[0.33; 2.79]	[-3.03; 1.73] 0.51
Democratic Republic of the Congo	[0.65; 1.39] 2.58	[0.56; 1.71]	[-0.60; 0.83] 0.07	[4.4; 50.3] 5.0	[4.5; 52.3] 1.9	[0.53; 3.27]	[0.48; 4.15]	[-2.21; 3.18] 0.04
Cook Islands	[1.80; 3.72]	[1.23; 5.60]	[-1.81; 3.17]	[0.7; 23.8]	[0.3; 9.9]	[0.37; 1.38]	[0.29; 2.09]	[-0.77; 1.29]
Costa Rica	2.38 [1.97; 2.88]	3.19 [2.41; 4.19]	0.81 [-0.13; 1.89]	6.3 [5.2; 7.6]	2.0 [1.5; 2.6]	1.14 [0.94; 1.37]	0.84 [0.64; 1.12]	-0.29 [-0.60; 0.05]
Cote d'Ivoire	0.96 [0.74; 1.24]	1.21 [0.66; 2.24]	0.25 [-0.38; 1.31]	17.4 [4.5; 44.5]	14.4 [3.8; 38.4]	1.61 [0.71; 3.06]	1.34 [0.38; 3.59]	-0.27 [-2.21; 2.24]
Croatia¶	4.18 [3.65; 4.80]	3.10 [2.44; 3.93]	-1.08 [-1.99; -0.12]†	2.9 [2.3; 3.6]	1.0 [0.7; 1.3]	0.62 [0.54; 0.72]*	0.82 [0.65; 1.05]	0.20 [0.00; 0.45]†
Cuba¶	1.79	2.12 [1.71; 2.61]	0.33	3.6 [3.1; 4.2]	1.7 [1.4; 2.1]	1.50 [1.38; 1.63]*	1.23 [1.01; 1.52]*	-0.27 [-0.53; 0.04]
Cyprus	2.79	2.87	0.08	2.8	1.0	0.97	0.89	-0.08
Czech Republic	[2.02; 3.82] 3.09	[1.74; 4.76]	[-1.56; 2.20] -0.38	[1.8; 3.9]	[0.5; 1.6]	[0.70; 1.33] 0.88	[0.54; 1.46]	[-0.61; 0.56] 0.07
•	[2.78; 3.44] 2.64	[2.28; 3.25]	[-0.94; 0.24]	[2.7; 3.5]	[1.0; 1.4]	[0.78; 0.98]*	[0.78; 1.13] 1.04	[-0.12; 0.28] 0.02
Denmark	[2.31; 3.02] 0.90	[1.95; 2.96] 1.57	[-0.82; 0.41] 0.67	[1.7; 2.4] 18.6	[0.7; 1.1] 11.9	[0.89; 1.17] 1.01	[0.83; 1.32] 0.97	[-0.23; 0.34] -0.04
Djibouti	[0.60; 1.35]	[0.75; 3.35]	[-0.30; 2.47]	[12.0; 26.2]	[6.6; 18.8]	[0.56; 3.12]	[0.26; 3.27]	[-1.98; 2.19]
Dominica	2.53 [1.74; 3.70]	2.52 [1.26; 4.98]	0.00 [-1.80; 2.62]	6.6 [2.5; 13.6]	2.6 [0.9; 6.1]	1.05 [0.72; 1.52]	1.04 [0.50; 2.09]	-0.02 [-0.77; 1.10]
Dominican Republic	2.30 [1.65; 3.16]	2.58 [1.35; 4.87]	0.28	11.7 [3.5; 26.5]	4.5 [1.2; 11.6]	1.10 [0.67; 1.57]	0.88 [0.25; 1.85]	-0.22 [-1.05; 0.90]
Ecuador	2.12 [1.97; 2.29]	2.98 [2.49; 3.56]	0.85 [0.34; 1.45]†	8.2 [7.3; 9.1]	2.7 [2.3; 3.2]	1.19 [1.08; 1.31]*	0.90 [0.75; 1.08]	-0.29 [-0.48; -0.08]†
Egypt¶	1.40 [1.17; 1.67]	2.45 [1.77; 3.37]	1.05 [0.30; 2.01]†	5.6 [4.3; 7.1]	2.3 [1.6; 3.1]	1.92 [1.60; 2.31]*	1.10 [0.80; 1.53]	-0.82 [-1.31; -0.28]†
El Salvador¶§	6.22	5.00	-1.22	10.2	2.0	0.20	0.52	0.32
Equatorial Guinea	[5.46; 7.11] 0.96	[3.76; 6.74] 1.80	[-2.74; 0.66] 0.84	[8.3; 12.2] 17.3	[1.5; 2.8] 9.6	[0.16; 0.24]* 1.03	[0.38; 0.70]* 0.98	[0.17; 0.50]† -0.05
	[0.65; 1.44] 0.81	[0.83; 3.82]	[-0.26; 2.86] 1.24	[11.5; 23.8] 16.6	[5.2; 16.1] 8.1	[0.54; 3.12]	[0.27; 2.95]	[-2.13; 1.82] -0.05
Eritrea	[0.53; 1.20] 3.57	[0.93; 4.44]	[0.04; 3.62]†	[11.0; 22.7] 2.5	[4.3; 13.5]	[0.61; 2.96] 0.69	[0.24; 2.69]	[-1.81; 1.65] 0.55
Estonia¶	[3.05; 4.19]	[1.40; 2.98]	[-2.42; -0.47]† 0.49	[1.5; 3.5] 11.2	[0.7; 1.8]	[0.58; 0.82]* 0.62	[0.85; 1.79]	[0.14; 1.11]† 0.57
Ethiopia¶	[1.11; 1.84]	[1.12; 3.28]	[-0.43; 1.90]	[2.5; 27.2]	[1.3; 15.0]	[0.47; 0.84]*	[0.34; 2.27]	[-0.32; 1.65]
Federated States of Micronesia	2.49 [1.67; 3.68]	2.63 [1.23; 5.71]	0.14 [-1.76; 3.35]	8.9 [6.1; 11.9]	3.4 [1.7; 5.8]	0.99 [0.62; 1.53]	1.00 [0.45; 2.17]	0.01 [-0.77; 1.27]
Fiji§	2.02 [1.40; 2.94]	1.62 [1.07; 2.40]	-0.40 [-1.50; 0.62]	7.4 [5.2; 9.8]	4.6 [3.1; 6.5]	1.12 [0.36; 1.80]	1.66 [1.10; 2.52]*	0.53 [-0.35; 1.69]
Finland	3.29 [2.90; 3.73]	2.44 [2.02; 2.95]	-0.85 [-1.47; -0.21]†	4.1 [3.5; 4.7]	1.7 [1.4; 2.0]	0.81 [0.72; 0.93]*	1.09 [0.90; 1.31]	0.27 [0.06; 0.52]†
France	3.46 [3.27; 3.66]	2.70 [2.26; 3.23]	-0.75 [-1.24; -0.19]†	2.6 [2.3; 2.9]	1.0 [0.8; 1.1]	0.78 [0.73; 0.83]*	0.93 [0.77; 1.13]	0.15 [-0.02; 0.36]
Gabon	1.28	1.77	0.49	10.5	5.9	1.61	1.22	-0.38
The Gambia	[0.94; 1.76] 0.97	[0.90; 3.45] 1.73	[-0.56; 2.24] 0.76	[1.7; 32.3]	[0.9; 20.1] 7.6	[0.53; 2.61] 1.09	[0.31; 2.77] 1.39	[-1.88; 1.62] 0.30
Georgia	[0.66; 1.44] 3.02	[1.08; 2.76]	[-0.08; 1.84] 0.01	[9.6; 17.5] 6.1	[5.1; 11.0] 2.0	[0.56; 3.21] 0.88	[0.73; 2.38]	[-1.88; 1.42] 0.00
	[2.40; 3.80] 2.73	[2.31; 3.98]	[-1.03; 1.16] -0.34	[5.0; 7.2] 2.1	[1.5; 2.6]	[0.70; 1.12] 0.99	[0.67; 1.17] 1.05	[-0.32; 0.34] 0.06
Germany	[2.59; 2.87] 1.09	[2.19; 2.61] 1.51	[-0.58; -0.08]† 0.42	[1.9; 2.2] 8.9	[0.8; 0.9] 5.9	[0.94; 1.06] 1.39	[0.91; 1.22] 1.58	[-0.10; 0.24] 0.19
Ghana	[0.77; 1.55]	[0.84; 2.75]	[-0.45; 1.73]	[1.7; 25.0]	[1.1; 17.8]	[0.51; 3.10]	[0.47; 3.04]	[-1.95; 2.01]
Greece	3.42 [3.07; 3.80]	3.36 [2.64; 4.29]	-0.07 [-0.90; 0.93]	2.6 [2.2; 3.0]	0.8 [0.6; 1.0]	0.78 [0.70; 0.88]*	0.75 [0.58; 0.96]*	-0.03 [-0.23; 0.20]
Grenada	2.37 [1.65; 3.37]	2.09 [1.13; 3.93]	-0.28 [-1.73; 1.71]	4.5 [1.6; 8.5]	2.1 [0.7; 4.5]	1.09 [0.75; 1.60]	1.26 [0.66; 2.32]	0.16 [-0.64; 1.30]
Guatemala¶	1.85 [1.73; 1.97]	3.03 [2.19; 4.17]	1.19 [0.34; 2.32]†	12.7 [8.4; 18.3]	4.2 [2.6; 6.5]	1.14 [1.00; 1.28]*	0.79 [0.46; 1.16]	-0.36 [-0.70; 0.03]
Guinea	1.11	1.08	-0.03 [-0.66; 0.86]	19.0 [5.6; 43.9]	17.6 [5.1; 40.4]	1.77 [0.61; 2.92]	1.33 [0.43; 3.84]	-0.43 [-2.06; 2.56]
Guinea-Bissau	0.87	1.34	0.47	15.3	11.4	1.03	1.62	0.59
Guyana	[0.58; 1.30] 2.12	[0.73; 2.49]	[-0.32; 1.68] 0.42	[10.2; 21.3] 16.0	[7.1; 17.0]	[0.57; 3.34] 1.18	[0.47; 3.51]	[-1.79; 2.45] -0.40
•	[1.81; 2.48] 0.73	[1.60; 4.05] 1.50	[-0.58; 1.91] 0.77	[8.4; 28.5] 13.2	[3.1; 12.1] 8.8	[0.98; 1.40] 1.74	[0.24; 1.49] 1.49	[-1.00; 0.34] -0.25
Haiti	[0.55; 0.98] 2.22	[0.88; 2.54]	[0.09; 1.82]† 0.55	[4.5; 27.6] 8.7	[2.9; 18.9] 3.2	[0.83; 4.24] 0.95	[0.41; 2.88]	[-3.09; 1.45] 0.01
Honduras	[1.51; 3.28]	[1.31; 5.82]	[-1.36; 3.66]	[6.2; 11.7]	[1.7; 5.5]	[0.40; 1.58]	[0.44; 2.04]	[-0.82; 1.25]
Hungary	2.73 [2.48; 3.02]	2.23 [1.78; 2.82]	-0.50 [-1.04; 0.13]	2.8 [2.3; 3.3]	1.2 [1.0; 1.6]	0.98 [0.88; 1.09]	1.13 [0.89; 1.44]	0.15 [-0.11; 0.47]
Iceland	3.04 [2.16; 4.27]	2.23 [1.24; 4.02]	-0.80 [-2.47; 1.23]	1.9 [0.8; 3.1]	0.8 [0.3; 1.6]	0.89 [0.63; 1.24]	1.14 [0.63; 2.00]	0.25 [-0.39; 1.17]
¶: Sex ratio is outlying in 1990. §: Sex								

^{¶:} Sex ratio is outlying in 1990. §: Sex ratio is outlying in 2021. *: The ratio of estimated to expected female mortality is significantly different from one. †: Change is significantly different from zero.

Continued on next page

	1		Table 19 – continue				. 100	1
	1990	Sex ratio 5q20 2021	Change 1990–2021	Sex-specific 5 Male	Female Female	1990	ated/Expected fe 2021	Change 1990–2021
India¶§	0.78	1.54	0.76	6.0	3.9	3.12	1.75	-1.37
	[0.68; 0.89]	[1.16; 2.06]	[0.36; 1.29]†	[4.6; 7.5]	[2.9; 5.1]	[2.56; 3.73]*	[1.30; 2.33]*	[-2.12; -0.55]†
Indonesia¶	1.35	2.65	1.29	7.3	2.8	1.97	0.94	-1.04
	[1.02; 1.76]	[1.47; 4.68]	[0.01; 3.38]†	[1.6; 20.4]	[0.6; 8.5]	[1.51; 2.62]*	[0.36; 1.77]	[-1.91; -0.05]†
Iran (Islamic Republic of)	1.77	2.78	1.01	7.6	2.7	1.00	0.96	-0.05
	[1.18; 2.63]	[1.86; 4.12]	[-0.29; 2.54]	[4.8; 11.3]	[1.6; 4.4]	[0.33; 1.68]	[0.64; 1.45]	[-0.80; 0.77]
Iraq	2.64	2.44	-0.20	6.1	2.5	1.01	1.10	0.09
	[1.79; 3.91]	[1.16; 5.16]	[-2.08; 2.66]	[4.3; 8.2]	[1.3; 4.3]	[0.67; 1.50]	[0.52; 2.31]	[-0.70; 1.37]
Ireland	3.17	3.29	0.12	2.0	0.6	0.86	0.76	-0.09
	[2.74; 3.68]	[2.59; 4.17]	[-0.73; 1.09]	[1.5; 2.4]	[0.4; 0.8]	[0.73; 0.99]*	[0.59; 0.99]*	[-0.31; 0.16]
Israel	2.56	3.03	0.47	2.4	0.8	1.04	0.82	-0.22
	[2.24; 2.95]	[2.55; 3.63]	[-0.15; 1.13]	[2.1; 2.8]	[0.7; 1.0]	[0.91; 1.20]	[0.68; 1.01]	[-0.43; 0.01]
Italy	3.41	2.78	-0.63	1.7	0.6	0.79	0.91	0.11
	[3.21; 3.63]	[2.28; 3.37]	[-1.17; -0.01]†	[1.5; 1.9]	[0.5; 0.7]	[0.74; 0.85]*	[0.72; 1.14]	[-0.08; 0.35]
Jamaica	2.55	3.17	0.62	7.9	2.5	0.99	0.84	-0.15
	[1.72; 3.76]	[1.58; 6.23]	[-1.43; 3.80]	[5.7; 10.3]	[1.3; 4.2]	[0.64; 1.52]	[0.42; 1.71]	[-0.83; 0.77]
Japan	2.53	1.89	-0.64	2.4	1.3	1.04	1.32	0.28
	[2.41; 2.66]	[1.77; 2.02]	[-0.82; -0.47]†	[2.2; 2.5]	[1.2; 1.3]	[0.97; 1.11]	[1.18; 1.49]*	[0.14; 0.45]†
Jordan	2.53	2.57	0.04	5.2	2.0	1.06	1.05	-0.01
	[1.74; 3.71]	[1.31; 4.96]	[-1.75; 2.59]	[3.7; 6.9]	[1.1; 3.4]	[0.72; 1.54]	[0.54; 2.03]	[-0.73; 1.04]
Kazakhstan	2.28	2.21	-0.07	6.0	2.7	1.10	1.22	0.12
	[2.14; 2.44]	[2.01; 2.43]	[-0.33; 0.20]	[5.5; 6.4]	[2.5; 3.0]	[1.01; 1.19]*	[1.10; 1.35]*	[-0.03; 0.28]
Kenya	1.15	1.54	0.39	11.8	7.7	1.88	1.48	-0.40
	[0.87; 1.52]	[0.89; 2.64]	[-0.39; 1.55]	[3.4; 28.1]	[2.2; 18.7]	[0.73; 2.82]	[0.40; 2.89]	[-1.88; 1.41]
Kiribati	2.11	2.48	0.37	12.3	5.0	0.97	0.99	0.02
	[1.42; 3.13]	[1.15; 5.23]	[-1.33; 3.25]	[8.5; 16.8]	[2.7; 8.5]	[0.39; 1.65]	[0.40; 2.29]	[-0.89; 1.41]
Democratic People's Republic of	2.51	2.30	-0.21	6.7	2.9	1.00	1.16	0.17
Korea	[1.68; 3.74]	[1.14; 4.61]	[-1.90; 2.33]	[4.7; 9.0]	[1.6; 4.8]	[0.64; 1.53]	[0.58; 2.38]	[-0.68; 1.43]
Republic of Korea	2.26	1.50	-0.75	2.1	1.4	1.18	1.67	0.48
	[1.87; 2.74]	[1.18; 1.93]	[-1.35; -0.18]†	[1.9; 2.4]	[1.2; 1.7]	[0.98; 1.44]	[1.27; 2.20]*	[0.00; 1.05]†
Kosovo	2.52	2.70	0.18	5.1	1.9	1.00	1.00	0.00
	[1.70; 3.75]	[1.27; 5.80]	[-1.75; 3.40]	[3.6; 6.9]	[1.0; 3.3]	[0.65; 1.53]	[0.46; 2.10]	[-0.76; 1.14]
Kuwait	6.95	2.47	-4.48	4.1	1.7	0.96	1.08	0.12
	[5.53; 8.86]	[1.83; 3.32]	[-6.45; -2.80]†	[3.0; 5.3]	[1.1; 2.3]	[0.76; 1.21]	[0.80; 1.45]	[-0.25; 0.54]
Kyrgyzstan¶	2.02	1.85	-0.17	5.3	2.8	1.29	1.46	0.17
	[1.82; 2.25]	[1.62; 2.11]	[-0.50; 0.16]	[4.7; 5.9]	[2.5; 3.3]	[1.15; 1.46]*	[1.28; 1.68]*	[-0.08; 0.43]
Lao People's Democratic Republic	1.81	1.33	-0.47	8.2	6.2	0.87	1.88	1.01
	[1.24; 2.60]	[0.70; 2.51]	[-1.53; 0.87]	[1.8; 20.7]	[1.3; 16.1]	[0.31; 1.89]	[0.66; 3.74]	[-0.68; 2.96]
Latvia¶	3.71	2.51	-1.19	4.9	1.9	0.66	1.07	0.41
	[3.24; 4.25]	[1.93; 3.28]	[-1.99; -0.30]†	[3.9; 6.0]	[1.4; 2.5]	[0.56; 0.77]*	[0.82; 1.39]	[0.14; 0.74]†
Lebanon	16.02	2.69	-13.33	4.3	1.6	0.99	0.99	0.00
	[11.46; 22.85]	[1.25; 5.67]	[-20.44; -7.73]†	[3.0; 5.7]	[0.8; 2.8]	[0.69; 1.43]	[0.48; 2.06]	[-0.70; 1.12]
Lesotho	1.20	1.64	0.45	21.1	12.8	1.23	0.74	-0.49
	[0.84; 1.69]	[0.96; 2.85]	[-0.43; 1.70]	[6.5; 45.5]	[4.0; 29.0]	[0.46; 2.80]	[0.28; 2.31]	[-2.15; 1.32]
Liberia	5.66	1.13	-4.52	16.4	14.5	0.90	1.68	0.78
	[4.02; 8.52]	[0.70; 1.81]	[-7.43; -2.64]†	[5.1; 33.4]	[4.6; 29.6]	[0.50; 2.89]	[0.48; 3.46]	[-1.82; 2.62]
Libya	2.70	2.72	0.03	4.7	1.7	0.99	0.98	-0.01
	[1.81; 4.03]	[1.28; 5.91]	[-1.98; 3.33]	[3.3; 6.2]	[0.9; 3.0]	[0.66; 1.49]	[0.46; 2.05]	[-0.75; 1.12]
Lithuania¶	4.18	2.99	-1.20	4.7	1.6	0.60	0.90	0.30
	[3.68; 4.76]	[2.37; 3.78]	[-2.05; -0.26]†	[3.9; 5.7]	[1.2; 2.0]	[0.52; 0.69]*	[0.71; 1.14]	[0.09; 0.55]†
Luxembourg	2.76	2.46	-0.30	1.4	0.6	0.97	1.02	0.05
	[2.09; 3.69]	[1.41; 4.24]	[-1.75; 1.64]	[0.5; 2.6]	[0.2; 1.2]	[0.72; 1.28]	[0.59; 1.79]	[-0.51; 0.86]
Macedonia	2.00	2.31	0.31	2.3	1.0	1.33	1.09	-0.24
	[1.60; 2.47]	[1.62; 3.28]	[-0.54; 1.36]	[1.6; 3.2]	[0.7; 1.5]	[1.08; 1.64]*	[0.77; 1.57]	[-0.70; 0.31]
Madagascar	1.05	1.33	0.28	13.5	10.1	1.67	1.47	-0.19
	[0.81; 1.36]	[0.70; 2.50]	[-0.45; 1.51]	[2.6; 43.1]	[1.9; 34.0]	[0.68; 2.86]	[0.37; 3.48]	[-1.98; 2.11]
Malawi	0.92	1.68	0.76	14.0	8.3	1.13	1.29	0.16
	[0.73; 1.15]	[1.05; 2.70]	[0.08; 1.81]†	[5.0; 27.2]	[2.8; 17.0]	[0.68; 2.93]	[0.37; 2.38]	[-1.95; 1.30]
Malaysia	2.56	2.34	-0.22	4.7	2.0	1.02	1.15	0.13
	[2.16; 3.03]	[2.17; 2.51]	[-0.72; 0.21]	[4.3; 5.0]	[1.8; 2.2]	[0.85; 1.22]	[1.06; 1.25]*	[-0.09; 0.32]
Maldives¶	1.19	1.85	0.66	1.8	1.0	2.24	1.36	-0.88
	[0.90; 1.57]	[1.09; 3.11]	[-0.22; 1.95]	[0.6; 3.2]	[0.3; 1.9]	[1.68; 2.98]*	[0.82; 2.29]	[-1.82; 0.23]
Mali	0.93	1.23	0.29	12.9	10.6	1.91	1.86	-0.05
	[0.71; 1.22]	[0.77; 1.93]	[-0.26; 1.05]	[4.3; 26.2]	[3.5; 21.7]	[0.73; 3.29]	[0.54; 3.30]	[-2.07; 1.93]
Malta	2.68	3.07	0.39	1.8	0.6	0.98	0.82	-0.16
	[1.87; 3.81]	[1.80; 5.26]	[-1.38; 2.75]	[0.8; 3.0]	[0.2; 1.1]	[0.69; 1.39]	[0.48; 1.39]	[-0.70; 0.50]
Marshall Islands	2.49	2.61	0.12	9.6	3.7	0.99	1.00	0.01
	[1.67; 3.74]	[1.22; 5.59]	[-1.79; 3.22]	[6.8; 12.9]	[1.9; 6.4]	[0.61; 1.54]	[0.45; 2.18]	[-0.79; 1.26]
Mauritania	1.93	1.24	-0.69	8.5	6.9	1.09	2.03	0.94
	[1.32; 2.83]	[0.80; 1.96]	[-1.69; 0.27]	[2.1; 19.8]	[1.6; 15.8]	[0.35; 1.85]	[0.87; 3.29]	[-0.42; 2.46]
Mauritius¶	1.40	2.74	1.34	7.1	2.6	1.93	0.98	-0.95
	[1.16; 1.68]	[2.07; 3.64]	[0.60; 2.28]†	[5.7; 8.7]	[1.9; 3.4]	[1.60; 2.33]*	[0.73; 1.31]	[-1.42; -0.49]†
Mexico§	2.73	3.30	0.57	11.8	3.6	0.95	0.76	-0.19
	[2.64; 2.82]	[2.81; 3.88]	[0.08; 1.16]†	[10.5; 13.3]	[3.0; 4.2]	[0.90; 1.00]	[0.64; 0.91]*	[-0.32; -0.04]†
Republic of Moldova¶	3.34	2.80	-0.54	5.9	2.1	0.74	0.96	0.22
	[2.95; 3.77]	[2.16; 3.63]	[-1.30; 0.37]	[4.8; 7.1]	[1.6; 2.7]	[0.65; 0.85]*	[0.74; 1.25]	[-0.03; 0.52]
Monaco	2.72	2.53	-0.18	2.8	1.1	0.99	1.00	0.01
	[1.82; 4.02]	[1.16; 5.40]	[-2.15; 2.79]	[1.9; 3.7]	[0.6; 1.9]	[0.67; 1.48]	[0.48; 2.16]	[-0.72; 1.20]
Mongolia	1.84 [1.43; 2.37]	2.34 [1.68; 3.24]	0.50	5.5 [4.1; 7.2]	2.4 [1.6; 3.3]	1.30 [0.95; 1.74]	1.15	-0.15 [-0.71; 0.43]
Montenegro	2.16 [1.67; 2.80]	2.83 [1.70; 4.67]	0.66	3.3	1.2	1.25	0.92	-0.33 [-0.86; 0.33]
Montserrat	2.65 [1.79; 3.93]	2.66 [1.24; 5.72]	0.01	4.1 [2.9; 5.4]	1.5	0.99	1.00	0.01
Morocco¶	1.83	2.47 [1.27; 4.72]	0.63	4.3 [0.9; 12.2]	1.7	1.43 [1.03; 1.95]*	1.05	-0.38 [-1.15; 0.72]
Mozambique	1.06 [0.79; 1.44]	0.99	-0.07	21.1 [6.3; 52.4]	21.3 [6.4; 53.5]	1.16 [0.56; 2.90]	1.26 [0.44; 4.27]	0.10
Myanmar	1.88	2.05	0.17	9.8	4.8 [1.3; 11.3]	0.97	1.76 [0.90; 3.16]	0.79 [-0.53; 2.41]
Namibia	1.41 [1.08; 1.84]	1.70 [0.96; 3.01]	0.29	17.9 [5.9; 41.6]	10.5	1.01 [0.48; 2.06]	0.96 [0.28; 2.48]	-0.05 [-1.40; 1.59]
¶: Sex ratio is outlying in 1990. §: Sex i								

			Table 19 – continue		1 0			1.5.00
	1990	Sex ratio 5q20 2021	Change	Sex-specific 5 Male	q20 in 2021 (per 1,000) Female	1990	ated/Expected for 2021	Change
Nauru	2.35	2.64	0.30	9.4	3.6	0.98	0.99	0.01
Nepal¶	[1.57; 3.45]	[1.21; 5.55]	[-1.53; 3.33]	[6.5; 12.6] 6.5	[1.9; 6.2]	[0.53; 1.57]	[0.46; 2.21]	[-0.82; 1.29]
Netherlands	[0.93; 1.62]	[0.78; 2.51]	[-0.60; 1.32] -0.24	[1.7; 15.1]	[1.2; 10.9]	[1.34; 2.80]*	[0.95; 3.33]	[-1.41; 1.49]
New Zealand	[2.04; 2.49] 3.40	[1.75; 2.33]	[-0.60; 0.14]	[1.7; 2.1] 3.6	[0.8; 1.1]	[1.04; 1.29]* 0.77	[1.03; 1.50]*	[-0.15; 0.36] 0.51
Nicaragua	[3.00; 3.85] 2.44	[1.72; 2.44] 2.62	[-1.90; -0.78]† 0.18	[3.1; 4.2] 7.7	[1.5; 2.1]	[0.67; 0.88]* 0.97	[1.07; 1.52]* 0.99	[0.27; 0.77]† 0.02
Niger	[1.66; 3.62] 1.01	[1.27; 5.68] 0.92	[-1.64; 3.34] -0.09	[5.4; 10.4] 15.9	[1.5; 5.0]	[0.38; 1.68]	[0.47; 2.12]	[-0.86; 1.31] 0.88
	[0.76; 1.34]	[0.52; 1.67] 1.10	[-0.63; 0.71] 0.04	[4.2; 40.9] 10.7	[4.5; 44.2] 9.7	[0.59; 2.94] 1.01	[0.52; 4.75]	[-1.70; 3.58] 1.26
Nigeria§	[0.75; 1.51] 2.64	[0.72; 1.65]	[-0.57; 0.67] 0.04	[4.3; 19.5] 11.4	[3.9; 18.0]	[0.52; 2.96] 1.00	[1.02; 3.62]*	[-1.12; 2.69] -0.01
Niue	[1.79; 3.91] 3.31	[1.24; 5.78] 2.43	[-1.93; 3.21] -0.87	[6.7; 17.1] 2.6	[2.6; 6.3] 1.1	[0.67; 1.50] 0.82	[0.41; 2.18] 1.03	[-0.79; 1.22] 0.22
Norway	[2.85; 3.83] 2.67	[1.96; 3.03] 2.69	[-1.57; -0.13]† 0.03	[2.2; 3.0]	[0.8; 1.3]	[0.70; 0.95]* 1.00	[0.82; 1.30]	[-0.04; 0.50] -0.01
Oman	[1.79; 3.98] 1.29	[1.25; 5.79] 3.16	[-2.00; 3.23] 1.87	[3.1; 5.7]	[0.8; 3.0]	[0.67; 1.50]	[0.47; 2.10]	[-0.76; 1.16] -1.14
Pakistan¶	[1.02; 1.65]	[1.76; 5.69]	[0.37; 4.46]†	[2.0; 25.2]	[0.6; 8.7]	[1.33; 2.53]*	[0.24; 1.44]	[-1.97; -0.19]†
Palau	2.57 [1.80; 3.63]	0.89 [0.64; 1.24]	-1.68 [-2.78; -0.82]†	19.9 [7.5; 38.3]	22.5 [8.5; 42.7]	0.89 [0.42; 1.37]	1.52 [0.64; 3.66]	0.63 [-0.44; 2.84]
Panama	2.62 [2.09; 3.31]	3.05 [2.38; 3.90]	0.43 [-0.54; 1.43]	8.9 [8.0; 9.9]	2.9 [2.4; 3.6]	1.00 [0.78; 1.27]	0.87 [0.67; 1.12]	-0.13 [-0.47; 0.20]
Papua New Guinea	2.12 [1.44; 3.16]	1.46 [0.86; 2.51]	-0.66 [-1.87; 0.64]	9.6 [6.8; 12.9]	6.5 [4.3; 9.5]	1.01 [0.46; 1.66]	1.78 [0.99; 3.12]	0.77 [-0.28; 2.24]
Paraguay	2.20 [1.52; 3.18]	2.61 [1.26; 5.54]	0.42 [-1.33; 3.41]	9.0 [6.3; 12.0]	3.4 [1.8; 5.9]	1.06 [0.61; 1.64]	1.00 [0.46; 2.14]	-0.06 [-0.89; 1.20]
Peru	2.13 [1.74; 2.59]	3.45 [1.85; 6.41]	1.31 [-0.40; 4.34]	6.5 [1.9; 16.5]	1.9 [0.5; 5.3]	1.13 [0.81; 1.45]	0.75 [0.35; 1.41]	-0.38 [-0.90; 0.37]
Philippines	1.98 [1.60; 2.44]	2.39 [1.71; 3.29]	0.41 [-0.41; 1.37]	7.8 [6.3; 9.5]	3.3 [2.4; 4.4]	1.26 [1.00; 1.60]	1.12 [0.81; 1.57]	-0.14 [-0.60; 0.37]
Poland¶	4.27 [3.99; 4.58]	3.32 [3.02; 3.66]	-0.95 [-1.37; -0.51]†	4.6 [4.3; 4.9]	1.4 [1.2; 1.5]	0.63 [0.58; 0.68]*	0.81 [0.73; 0.90]*	0.18 [0.09; 0.28]†
Portugal	3.55 [3.23; 3.88]	2.42 [2.01; 2.91]	-1.12 [-1.66; -0.54]†	2.4 [2.0; 2.7]	1.0 [0.8; 1.2]	0.74 [0.67; 0.82]*	1.03 [0.85; 1.28]	0.29 [0.09; 0.55]†
Qatar	2.77 [1.94; 3.94]	2.13 [1.37; 3.26]	-0.64 [-2.07; 0.80]	1.5 [0.8; 2.3]	0.7	0.97	1.18	0.22
Romania	2.36 [2.20; 2.53]	2.82 [2.50; 3.18]	0.46	4.2	1.5 [1.3; 1.7]	1.14 [1.05; 1.23]*	0.95	-0.19 [-0.33; -0.03]†
Russian Federation¶	3.62	2.85 [2.42; 3.34]	-0.78	7.0	2.5	0.67	0.94	0.27
Rwanda¶	[3.52; 3.73] 1.38	1.62	0.25	[6.1; 8.0] 7.0	[2.1; 2.9] 4.3	[0.63; 0.71]* 0.54	[0.80; 1.11]	[0.12; 0.45]† 1.05
Saint Kitts and Nevis	[1.07; 1.76] 2.51	[1.03; 2.56]	[-0.48; 1.26]	[1.7; 16.3]	[1.1; 10.3] 5.3	[0.39; 0.90]*	[0.90; 2.54]	[0.16; 2.02]† -0.32
Saint Lucia	[1.73; 3.67]	[1.41; 5.53]	[-1.59; 3.16] -0.26	[5.7; 29.0]	[1.8; 12.1] 3.2	[0.70; 1.53]	[0.20; 1.74]	[-1.07; 0.76] 0.15
Samoa	[1.75; 3.43] 1.30	[1.28; 3.71] 1.68	[-1.65; 1.47] 0.38	[3.1; 11.9] 5.0	[1.3; 6.0]	[0.74; 1.51] 0.89	[0.70; 2.08]	[-0.56; 1.10] 0.66
San Marino	[0.88; 1.93] 2.68	[0.93; 3.02]	[-0.63; 1.82] -0.15	[1.1; 11.8] 1.9	[0.7; 7.4] 0.8	[0.40; 2.60] 0.99	[0.84; 2.83] 0.99	[-1.25; 1.97] 0.00
Sao Tome and Principe	[1.81; 3.99] 1.60	[1.20; 5.52] 1.80	[-2.08; 2.94] 0.19	[1.4; 2.6] 15.8	[0.4; 1.3] 8.8	[0.66; 1.48] 0.67	[0.46; 2.09]	[-0.75; 1.15] 0.35
Saudi Arabia	[1.09; 2.36] 2.51	[0.94; 3.39]	[-1.03; 1.89] 0.54	[4.0; 40.2] 7.7	[2.1; 24.2] 2.5	[0.33; 2.12] 0.88	[0.27; 2.59]	[-1.47; 1.86] -0.04
	[1.73; 3.70] 1.30	[1.75; 5.27] 1.54	[-1.27; 2.90] 0.24	[1.9; 17.0] 6.6	[0.6; 6.0]	[0.25; 1.44]	[0.43; 1.49]	[-0.75; 0.91] 0.05
Senegal	[0.96; 1.75] 2.67	[0.93; 2.55]	[-0.55; 1.31] 0.45	[1.5; 15.1] 3.6	[1.0; 10.2] 1.1	[0.61; 2.51] 1.01	[0.93; 2.86] 0.84	[-1.13; 1.60] -0.17
Serbia	[2.20; 3.22] 2.67	[2.38; 4.07] 3.31	[-0.47; 1.50] 0.64	[3.0; 4.2] 5.5	[0.9; 1.5]	[0.83; 1.23]	[0.64; 1.10]	[-0.47; 0.13] -0.21
Seychelles	[1.88; 3.81] 0.84	[1.89; 5.81] 1.31	[-1.27; 3.31] 0.48	[1.2; 13.0] 20.0	[0.3; 4.4] 15.2	[0.69; 1.43]	[0.43; 1.39]	[-0.80; 0.50] -0.08
Sierra Leone	[0.57; 1.21]	[0.88; 2.00]	[-0.12; 1.23] -0.04	[4.6; 40.7] 1.5	[3.4; 31.1] 0.7	[0.62; 3.74]	[0.39; 2.64]	[-2.92; 1.64] -0.07
Singapore	[1.84; 2.80]	[1.56; 3.17]	[-0.87; 1.03]	[1.0; 2.0]	[0.4; 1.0]	[0.97; 1.46]	[0.78; 1.65]	[-0.52; 0.49]
Slovakia	3.27 [2.86; 3.71]	2.80 [2.28; 3.46]	-0.47 [-1.16; 0.30]	3.5 [3.0; 4.0]	1.2 [1.0; 1.5]	0.82 [0.72; 0.94]*	0.93 [0.75; 1.14]	0.10 [-0.11; 0.34]
Slovenia	3.49 [2.98; 4.12]	2.59 [1.72; 3.87]	-0.90 [-1.98; 0.47]	2.1 [1.6; 2.7]	0.8 [0.5; 1.2]	0.77 [0.65; 0.91]*	0.97 [0.65; 1.46]	0.20 [-0.15; 0.70]
Solomon Islands	2.55 [1.71; 3.79]	2.27 [1.13; 4.58]	-0.28 [-2.02; 2.17]	7.4 [5.2; 9.9]	3.2 [1.8; 5.3]	1.00 [0.65; 1.53]	1.18 [0.58; 2.39]	0.18 [-0.64; 1.43]
Somalia	0.77 [0.51; 1.15]	0.91 [0.42; 1.96]	0.14 [-0.49; 1.22]	22.8 [13.3; 34.8]	25.0 [15.1; 37.0]	1.01 [0.63; 2.37]	1.03 [0.37; 5.57]	0.02 [-1.25; 4.41]
South Africa	2.37 [1.74; 3.23]	1.72 [1.36; 2.17]	-0.65 [-1.59; 0.12]	16.0 [12.8; 19.5]	9.3 [7.2; 11.7]	0.63 [0.27; 1.29]	1.23 [0.66; 1.72]	0.59 [-0.28; 1.23]
South Sudan	0.72 [0.47; 1.10]	0.95 [0.44; 2.06]	0.23 [-0.42; 1.37]	21.6 [12.8; 32.2]	22.7 [13.4; 34.3]	1.02 [0.67; 1.85]	1.06 [0.36; 5.35]	0.04 [-1.00; 4.24]
Spain	3.56 [3.35; 3.77]	2.67 [2.19; 3.27]	-0.89 [-1.42; -0.26]†	1.8 [1.5; 2.0]	0.7 [0.5; 0.8]	0.76 [0.71; 0.81]*	0.94 [0.75; 1.19]	0.19 [-0.02; 0.43]
Sri Lanka¶	2.58 [2.13; 3.12]	2.40 [1.51; 3.85]	-0.18 [-1.24; 1.33]	3.4 [1.8; 6.2]	1.4	0.53	1.08	0.55 [0.06; 1.21]†
Saint Vincent and the Grenadines	2.70 [1.91; 3.76]	2.31 [1.27; 4.28]	-0.38 [-1.98; 1.81]	10.7	4.6 [1.6; 9.5]	0.99	1.05	0.06
State of Palestine	3.37 [2.28; 4.96]	3.03	-0.33	6.2	2.1	0.99	0.99	0.01 [-0.74; 1.15]
Sudan	0.89	[1.43; 6.45]	[-2.70; 3.26] 0.68	[4.4; 8.3]	[1.1; 3.6] 12.0	0.95	0.94	-0.01
Suriname§	[0.61; 1.30]	[0.73; 3.36]	[-0.29; 2.48]	[12.0; 26.5] 7.5	[6.7; 19.2] 5.5	[0.57; 2.59]	[0.26; 3.34]	[-1.48; 2.32] 0.67
¶: Sex ratio is outlying in 1990. §: Sex	[1.54; 2.56] ratio is outlying in 2	[1.05; 1.83] 021. *: The ratio of	[-1.27; 0.03] of estimated to expect	[5.0; 10.4] ted female mortal	[3.6; 7.7] lity is significantly different	[0.95; 1.66] t from one. †: Cha	[1.44; 2.56]* nge is significantl	[0.03; 1.37]† y different from zero.

Table 19 – continued from previous page								
		Sex ratio 5q20			q20 in 2021 (per 1,000)		nated/Expected fe	
	1990	2021	Change 1990–2021	Male	Female	1990	2021	Change 1990–2021
Eswatini	1.12	0.81	-0.31	12.8	15.7	1.48	2.99	1.51
	[0.79; 1.61]	[0.42; 1.60]	[-0.99; 0.59]	[7.8; 19.0]	[10.1; 22.6]	[0.57; 2.94]	[0.98; 6.41]	[-0.94; 5.13]
Sweden	2.68 [2.37; 3.03]	2.25 [1.91; 2.65]	-0.43 [-0.92; 0.07]	2.9 [2.6; 3.3]	1.3 [1.1; 1.5]	1.00 [0.88; 1.13]	1.13 [0.96; 1.34]	0.13 [-0.08; 0.37]
	3.31	2.74	-0.57	2.3	0.8	0.81	0.91	0.10
Switzerland	[2.96; 3.69]	[2.24; 3.35]	[-1.21; 0.14]	[1.9; 2.6]	[0.7; 1.0]	[0.72; 0.92]*	[0.73; 1.15]	[-0.11; 0.36]
Syria	1.76	3.64	1.88	8.3	2.3	1.44	1.23	-0.21
Syria	[1.25; 2.49]	[2.14; 8.04]	[-1.42; 6.06]	[1.9; 27.7]	[0.3; 8.8]	[0.74; 2.09]	[0.66; 2.11]	[-1.13; 0.92]
Tajikistan¶	1.23	1.42	0.19	3.0	2.1	2.19	1.80	-0.39
K	[1.10; 1.36]	[1.25; 1.60]	[-0.03; 0.40]	[2.7; 3.3]	[1.9; 2.4]	[1.97; 2.44]*	[1.57; 2.06]*	[-0.72; -0.04]†
Tanzania	1.17 [0.91; 1.50]	1.48 [0.88; 2.48]	0.32	11.5 [2.7; 31.5]	[1.8; 21.6]	1.71 [0.64; 2.65]	1.53 [0.40; 2.87]	-0.18 [-1.72; 1.63]
	3.24	3.33	0.10	9.8	2.9	0.74	0.78	0.05
Thailand¶	[2.57; 4.09]	[2.38; 4.65]	[-1.19; 1.57]	[7.9; 12.0]	[2.1; 4.0]	[0.56; 0.95]*	[0.55; 1.11]	[-0.27; 0.42]
Timor Leste	1.95	0.65	-1.30	12.6	19.4	0.93	3.18	2.26
Tillioi Leste	[1.36; 2.80]	[0.39; 1.08]	[-2.19; -0.54]†	[2.0; 43.7]	[3.2; 66.7]	[0.29; 1.76]	[0.81; 6.45]	[-0.45; 5.68]
Togo	1.25	1.20	-0.06	10.9	9.1	1.79	1.94	0.15
	[0.94; 1.70]	[0.68; 2.12]	[-0.78; 0.93]	[2.6; 27.7]	[2.2; 23.7]	[0.66; 2.67]	[0.51; 3.80]	[-1.57; 2.35]
Tonga	2.75 [1.89; 4.02]	2.95 [1.56; 5.47]	0.19	8.2 [4.0; 13.6]	2.8 [1.2; 5.4]	0.96 [0.65; 1.41]	0.89 [0.46; 1.70]	-0.08 [-0.73; 0.82]
	2.02	3.52	1.50	13.9	3.9	1.31	0.64	-0.67
Trinidad and Tobago¶	[1.72; 2.36]	[2.45; 5.03]	[0.36; 3.01]†	[8.7; 22.0]	[2.3; 6.7]	[1.11; 1.55]*	[0.25; 1.00]	[-1.11; -0.26]†
Tunisia	2.22	3.07	0.85	6.8	2.2	1.20	0.87	-0.33
Tullisia	[1.63; 3.04]	[2.05; 4.60]	[-0.50; 2.52]	[4.3; 9.9]	[1.3; 3.5]	[0.87; 1.66]	[0.58; 1.31]	[-0.88; 0.23]
Turkey	2.47	2.71	0.23	3.0	1.1	0.97	0.94	-0.02
" "	[1.67; 3.65]	[2.14; 3.41] 1.50	[-1.09; 1.30] -0.07	[2.4; 3.7]	[0.9; 1.4]	[0.32; 1.52]	[0.75; 1.20]	[-0.61; 0.63] 0.09
Turkmenistan¶§	1.56 [1.30; 1.88]	[0.96; 2.32]	[-0.70; 0.81]	6.8 [3.5; 12.1]	[2.3; 8.3]	[1.37; 2.04]*	[1.11; 2.77]*	[-0.67; 1.13]
	2.59	2.66	0.07	4.6	1.7	1.03	1.01	-0.02
Turks and Caicos Islands	[1.76; 3.80]	[1.23; 5.59]	[-1.84; 3.11]	[3.1; 6.2]	[0.9; 3.0]	[0.70; 1.52]	[0.48; 2.09]	[-0.77; 1.12]
Tuvalu	2.72	3.06	0.34	8.6	2.8	0.88	0.87	-0.01
74.14.4	[1.87; 3.97]	[1.47; 6.49]	[-1.80; 3.94]	[6.1; 11.4]	[1.5; 4.9]	[0.55; 1.34]	[0.40; 1.83]	[-0.70; 1.03]
Uganda	0.90	1.47 [0.91; 2.35]	0.57	16.8 [4.0; 40.5]	11.4 [2.6; 28.4]	0.87	1.20 [0.36; 2.65]	0.33 [-0.72; 1.79]
	3.69	3.03	-0.66	5.7	1.9	0.69	0.89	0.20
Ukraine¶	[3.49; 3.88]	[2.77; 3.31]	[-0.98; -0.33]†	[5.3; 6.1]	[1.7; 2.1]	[0.64; 0.74]*	[0.81; 0.98]*	[0.11; 0.30]†
United Arab Emirates	2.69	2.61	-0.08	3.2	1.2	1.00	1.01	0.01
United Arab Emirates	[1.80; 3.97]	[1.23; 5.55]	[-2.09; 3.02]	[2.4; 4.1]	[0.6; 2.4]	[0.68; 1.49]	[0.48; 2.12]	[-0.75; 1.18]
United Kingdom	2.92	2.39	-0.53	2.7	1.1	0.92	1.05	0.13
	[2.74; 3.11] 3.22	[1.88; 3.02] 2.70	[-1.06; 0.13] -0.53	[2.2; 3.2] 8.1	[0.9; 1.4]	[0.86; 0.99]*	[0.83; 1.35]	[-0.10; 0.43] 0.16
United States of America	[3.14; 3.31]	[2.19; 3.32]	[-1.05; 0.11]	[7.0; 9.3]	[2.4; 3.6]	[0.79; 0.87]*	[0.80; 1.23]	[-0.03; 0.40]
**	2.51	3.76	1.26	9.0	2.4	1.07	0.70	-0.37
Uruguay§	[2.16; 2.91]	[3.00; 4.75]	[0.40; 2.29]†	[7.5; 10.6]	[1.9; 3.0]	[0.92; 1.25]	[0.55; 0.89]*	[-0.61; -0.13]†
Uzbekistan¶§	1.55	1.27	-0.28	4.3	3.3	1.73	2.10	0.38
O Z O CKISTAII J S	[1.29; 1.88]	[1.02; 1.58]	[-0.70; 0.13]	[3.8; 4.8]	[2.9; 3.9]	[1.41; 2.10]*	[1.70; 2.60]*	[-0.18; 0.97]
Vanuatu	2.58 [1.74; 3.86]	2.65 [1.32; 5.34]	0.07 [-1.85; 2.91]	8.7 [6.2; 11.6]	3.3 [1.8; 5.5]	0.99 [0.64; 1.52]	1.00 [0.48; 2.03]	0.01 [-0.72; 1.11]
	2.98	5.75	2.77	26.7	4.6	0.87	0.15	-0.72; 1.11]
Venezuela (Bolivarian Republic of)§	[2.43; 3.66]	[3.72; 9.09]	[0.59; 6.14]†	[14.2; 43.5]	[2.2; 8.6]	[0.70; 1.08]	[0.08; 0.45]*	[-0.93; -0.39]†
Vietnam	2.35	2.42	0.07	4.8	2.0	1.09	1.10	0.01
viemani	[1.63; 3.40]	[1.49; 3.94]	[-1.37; 1.78]	[2.6; 7.6]	[1.0; 3.4]	[0.68; 1.62]	[0.68; 1.78]	[-0.68; 0.82]
Yemen	2.56	5.51	2.95	22.3	4.0	0.99	0.99	0.00
	[1.72; 3.74]	[2.70; 11.30]	[-0.14; 8.84]	[16.0; 29.8]	[2.1; 7.0]	[0.64; 1.51]	[0.47; 2.15]	[-0.76; 1.21]
Zambia	0.76 [0.62; 0.92]	1.44 [0.91; 2.29]	0.68 [0.12; 1.55]†	[4.8; 27.6]	9.8 [3.2; 19.5]	1.06 [0.77; 2.10]	1.50 [0.43; 2.76]	0.44 [-0.95; 1.72]
	1.18	1.20	0.02	16.0	13.3	1.85	1.64	-0.93; 1.72]
Zimbabwe	[0.92; 1.51]	[0.73; 2.01]	[-0.57; 0.86]	[5.6; 33.0]	[4.7; 27.2]	[0.79; 2.64]	[0.44; 3.40]	[-1.76; 1.86]
	,	, =	,	[,]	/ = = j	,, <u></u> ,	(/e)	,

Table 20: Estimates and 90% uncertainty intervals for sex ratios for 10q15 in 1990 and 2021, the change in sex ratios from 1990 to 2021, sex-specific 10q15 in 2021, and ratios of estimated to expected female 10q15 and their change from 1990 to 2021 for the world, UNICEF regions, and all countries. ¶: Sex ratio is outlying in 1990. §: Sex ratio is outlying in 2021. *: The ratio of estimated to expected female mortality is significantly different from one. †: Change is significantly different from zero.

	1	Sex ratio 10q1	5	Sex-specific 10	q15 in 2021 (per 1,000)	Estin	nated/Expected fe	male 10q15
	1990	2021	Change 1990–2021	Male	Female	1990	2021	Change 1990–2021
World¶	1.29	1.65	0.36	13.2	8.0	1.25	1.04	-0.21
South Asia¶	[1.23; 1.35] 0.82	[1.52; 1.75] 1.44	[0.22; 0.49]† 0.61	[12.7; 14.9] 10.9	[7.7; 9.2] 7.6	[1.16; 1.34]* 2.47	[0.89; 1.16] 1.62	[-0.38; -0.07]† -0.85
	[0.76; 0.89]	[1.21; 1.70] 2.20	[0.38; 0.89]†	[9.3; 13.7] 6.0	[6.6; 9.3] 2.7	[2.18; 2.75]* 0.88	[0.99; 1.96]	[-1.51; -0.39]† 0.23
Europe and Central Asia	[2.49; 2.75] 1.81	[2.12; 2.28] 2.72	[-0.57; -0.27]† 0.91	[5.9; 6.2] 12.7	[2.7; 2.8] 4.7	[0.71; 0.94]* 1.11	[1.07; 1.17]* 1.03	[0.16; 0.41]† -0.09
Middle East and North Africa	[1.64; 2.04]	[2.35; 3.04]	[0.44; 1.27]†	[11.6; 14.8]	[4.3; 5.6]	[0.67; 1.32]	[0.87; 1.18]	[-0.35; 0.37]
Sub-Saharan Africa	1.06 [0.98; 1.13]	1.30 [1.17; 1.42]	0.24 [0.09; 0.40]†	25.2 [23.4; 30.7]	19.3 [17.8; 24.2]	0.90 [0.80; 1.01]	0.96 [0.78; 1.16]	0.06 [-0.15; 0.27]
Latin America and Caribbean¶§	2.34 [2.22; 2.45]	3.33 [3.05; 3.54]	0.99 [0.69; 1.24]†	17.6 [16.8; 18.9]	5.3 [5.0; 5.9]	0.78 [0.70; 0.88]*	0.59 [0.51; 0.68]*	-0.19 [-0.32; -0.08]†
East Asia and Pacific	1.85 [1.62; 2.09]	2.29 [1.88; 2.70]	0.44	8.0 [6.2; 11.5]	3.5 [2.8; 5.1]	1.14 [0.98; 1.33]	1.05	-0.09 [-0.44; 0.19]
North America¶	2.98	2.55	-0.43	11.6	4.5	0.82	0.99	0.17
Afghanistan§	[2.92; 3.03] 0.83	[2.21; 2.91]	[-0.77; -0.06]† -0.21	[10.6; 12.7]	[4.0; 5.2] 37.5	0.99	[0.87; 1.14]	[0.04; 0.32]†
Albania	[0.63; 1.08] 2.57	[0.44; 0.88]	[-0.52; 0.12] -0.85	[11.9; 47.5] 4.4	[19.6; 74.2] 2.6	[0.69; 1.79] 0.97	[1.07; 5.06]* 1.39	[-0.10; 4.03] 0.42
	[2.33; 2.84] 1.66	[1.44; 2.03] 1.80	[-1.23; -0.45]† 0.14	[3.9; 5.1] 6.9	[2.2; 3.0] 3.8	[0.88; 1.08]	[1.17; 1.66]* 1.38	[0.17; 0.70]† -0.07
Algeria¶§	[1.40; 1.96] 2.58	[1.60; 2.02] 2.89	[-0.22; 0.49] 0.31	[6.4; 7.5] 4.5	[3.5; 4.2] 1.6	[1.21; 1.74]* 0.97	[1.23; 1.55]* 0.84	[-0.39; 0.22] -0.12
Andorra	[1.97; 3.31]	[1.77; 4.55]	[-1.08; 2.11]	[3.4; 5.9]	[1.0; 2.4]	[0.75; 1.26]	[0.53; 1.33]	[-0.57; 0.43]
Angola	0.72 [0.55; 0.95]	1.74 [1.21; 2.48]	1.01 [0.41; 1.79]†	37.7 [28.1; 49.1]	21.7 [15.4; 30.1]	1.01 [0.75; 1.55]	0.57 [0.32; 1.27]	-0.44 [-0.95; 0.25]
Anguilla	2.47 [1.88; 3.19]	2.50 [1.50; 4.07]	0.03 [-1.23; 1.75]	6.9 [5.2; 9.1]	2.8 [1.8; 4.2]	1.00 [0.76; 1.32]	1.02 [0.62; 1.64]	0.02 [-0.51; 0.68]
Antigua and Barbuda	2.26 [1.75; 2.87]	2.67 [1.71; 4.07]	0.41 [-0.77; 1.89]	8.3 [5.0; 13.5]	3.1 [1.8; 5.5]	0.86 [0.31; 1.27]	0.93 [0.59; 1.49]	0.08 [-0.48; 0.86]
Argentina¶	2.04	2.54	0.49	9.5	3.7	1.22	1.00	-0.22
Armenia	[1.95; 2.13] 2.36	[2.25; 2.84] 3.09	[0.20; 0.81]† 0.74	[8.7; 10.2] 7.7	[3.3; 4.2] 2.5	[1.16; 1.28]* 1.08	[0.89; 1.13]	[-0.34; -0.08]† -0.26
	[2.12; 2.61] 2.73	[2.57; 3.72] 2.43	[0.15; 1.41]† -0.29	[6.7; 8.8] 5.4	[2.1; 3.0] 2.2	[0.97; 1.20] 0.92	[0.68; 0.98]*	[-0.45; -0.07]† 0.09
Australia	[2.57; 2.89]	[2.13; 2.77] 2.47	[-0.64; 0.07]	[5.0; 5.9] 4.2	[2.0; 2.5]	[0.86; 0.98]* 0.75	[0.88; 1.15]	[-0.05; 0.24] 0.21
Austria¶	[3.04; 3.57]	[2.09; 2.91]	[-1.30; -0.31]†	[3.7; 4.7]	[1.4; 2.0]	[0.69; 0.82]*	[0.81; 1.14]	[0.05; 0.40]†
Azerbaijan	2.21 [2.05; 2.37]	2.20 [1.99; 2.43]	-0.01 [-0.28; 0.27]	10.9 [9.9; 11.9]	5.0 [4.5; 5.5]	1.15 [1.06; 1.23]*	1.13 [1.02; 1.25]*	-0.02 [-0.15; 0.13]
Bahamas	2.11 [1.72; 2.58]	3.41 [2.47; 4.57]	1.30 [0.22; 2.55]†	15.7 [12.6; 19.2]	4.6 [3.5; 6.1]	1.15 [0.92; 1.43]	0.72 [0.51; 1.01]	-0.43 [-0.79; -0.06]†
Bahrain	2.18 [1.78; 2.66]	1.71 [1.41; 2.08]	-0.47 [-1.04; 0.08]	5.1 [4.2; 6.0]	3.0 [2.4; 3.7]	1.14 [0.93; 1.40]	1.42 [1.17; 1.72]*	0.28 [-0.08; 0.65]
Bangladesh¶§	0.84	1.34	0.51	9.3	6.9	2.59	1.91	-0.68
Barbados	[0.72; 0.97]	[1.03; 1.75] 1.90	[0.16; 0.92]† -0.19	[7.3; 11.2] 7.5	[5.4; 8.6] 3.9	[2.07; 3.13]* 1.18	[1.47; 2.48]* 1.31	[-1.39; 0.10] 0.13
	[1.71; 2.55]	[1.22; 2.89]	[-1.04; 0.91] -0.49	[4.1; 13.6] 5.6	[2.0; 7.7] 2.0	[0.96; 1.45] 0.74	[0.85; 2.04]	[-0.44; 0.92] 0.15
Belarus¶	[3.05; 3.48] 2.72	[2.29; 3.33] 2.21	[-1.01; 0.12] -0.50	[4.6; 6.7] 3.6	[1.7; 2.5] 1.6	[0.69; 0.80]* 0.92	[0.74; 1.07] 1.07	[-0.01; 0.34] 0.15
Belgium	[2.52; 2.92]	[1.88; 2.60]	[-0.90; -0.07]†	[3.2; 4.0]	[1.4; 1.9]	[0.85; 1.00]*	[0.90; 1.27]	[-0.04; 0.36]
Belize	2.51 [1.98; 3.20]	2.75 [2.03; 3.65]	0.23 [-0.77; 1.31]	16.7 [12.5; 22.2]	6.1 [4.4; 8.6]	1.00 [0.78; 1.28]	0.87 [0.59; 1.21]	-0.13 [-0.54; 0.28]
Benin	1.08 [0.89; 1.30]	1.26 [0.93; 1.68]	0.18 [-0.24; 0.64]	24.3 [14.8; 40.9]	19.3 [12.5; 31.6]	1.29 [0.76; 2.03]	1.33 [0.58; 2.30]	0.04 [-1.05; 1.17]
Bhutan	1.16 [0.92; 1.45]	1.82 [1.17; 2.77]	0.66 [-0.07; 1.66]	15.2 [7.7; 31.3]	8.3 [4.2; 18.1]	0.88 [0.52; 1.76]	1.24 [0.47; 2.06]	0.36 [-0.76; 1.28]
Bolivia (Plurinational State of)	1.33 [1.11; 1.58]	2.01 [1.30; 3.03]	0.68 [-0.09; 1.76]	12.7 [5.5; 30.9]	6.4 [2.9; 15.0]	1.32 [0.77; 1.83]	1.17 [0.45; 1.91]	-0.15 [-1.02; 0.79]
Bosnia and Herzegovina	2.64	3.09	0.45	6.2	2.0	0.96	0.81	-0.15
Botswana	[2.38; 2.93]	[2.32; 4.07]	[-0.38; 1.46] 1.06	[4.2; 8.9] 14.2	[1.3; 3.0] 6.9	[0.86; 1.07]	[0.61; 1.07]	[-0.38; 0.12] 0.20
Brazil¶§	[0.77; 1.29] 2.97	[1.38; 3.00] 4.33	[0.31; 2.04]† 1.35	[8.1; 24.4] 19.4	[3.9; 12.6] 4.5	[0.63; 1.78] 0.77	[0.63; 1.76]	[-0.76; 0.90] -0.24
	[2.64; 3.36] 2.46	[3.58; 5.20] 2.52	[0.51; 2.28]† 0.06	[18.0; 20.8] 11.4	[3.8; 5.3] 4.5	[0.68; 0.88]*	[0.44; 0.66]* 1.02	[-0.38; -0.09]† 0.02
British Virgin Islands	[1.87; 3.17] 2.59	[1.49; 4.08] 1.64	[-1.23; 1.72] -0.94	[8.4; 15.0] 3.8	[2.9; 7.0] 2.3	[0.76; 1.31]	[0.61; 1.69]	[-0.50; 0.73] 0.56
Brunei	[2.08; 3.21]	[1.14; 2.36]	[-1.77; -0.03]†	[2.7; 5.2]	[1.6; 3.3]	[0.70; 1.14]	[1.02; 2.08]*	[0.05; 1.23]†
Bulgaria	2.34 [2.18; 2.52]	2.32 [2.05; 2.62]	-0.03 [-0.35; 0.31]	8.0 [7.4; 8.6]	3.4 [3.1; 3.8]	1.06 [0.99; 1.15]	1.09 [0.97; 1.24]	0.03 [-0.12; 0.19]
Burkina Faso	0.81 [0.69; 0.97]	1.47 [0.97; 2.18]	0.65 [0.13; 1.38]†	21.1 [10.1; 43.8]	14.4 [6.6; 31.3]	1.42 [0.96; 2.17]	1.36 [0.48; 2.32]	-0.07 [-1.23; 1.02]
Burundi	0.74 [0.56; 0.97]	1.79 [1.26; 2.53]	1.06 [0.44; 1.82]†	21.7 [12.0; 41.8]	12.1 [7.1; 22.9]	1.00	1.06	0.06
Cambodia	1.29	2.05	0.75	10.7	5.2	0.67	1.19	0.52
Cameroon	[1.07; 1.55] 1.14	[1.35; 3.01] 1.24	[-0.01; 1.74] 0.10	[5.5; 21.8] 32.1	[2.6; 11.3] 26.0	[0.48; 1.04] 1.10	[0.70; 1.84] 0.96	[-0.13; 1.20] -0.14
Canada	[0.94; 1.37] 2.91	[0.90; 1.68]	[-0.32; 0.59] -0.91	[20.5; 48.4] 6.3	[16.4; 40.0] 3.1	[0.70; 1.80] 0.85	[0.51; 2.03]	[-0.97; 1.01] 0.40
¶: Sex ratio is outlying in 1990. §: Sex	[2.76; 3.07]	[1.77; 2.27]	[-1.19; -0.60]†	[5.8; 6.8]	[2.8; 3.5]	[0.81; 0.90]*	[1.10; 1.42]*	[0.24; 0.57]†

	_	C	Table 20 – contin			E-ti-	4-1/E4-1 f-	
	1990	Sex ratio 10q1 2021	Change	Male	q15 in 2021 (per 1,000) Female	1990	nated/Expected fe 2021	Change
		2.45	1990-2021		2.5			1990-2021
Cape Verde	2.20 [1.75; 2.74]	2.17 [1.69; 2.74]	-0.03 [-0.78; 0.70]	7.7 [5.6; 10.3]	3.5 [2.7; 4.7]	1.14 [0.90; 1.43]	1.19 [0.93; 1.49]	0.05 [-0.34; 0.44]
Central African Republic	0.86 [0.72; 1.03]	1.15 [0.70; 1.92]	0.29 [-0.20; 1.09]	41.0 [15.8; 109.0]	35.8 [12.7; 101.3]	1.01 [0.75; 1.55]	1.19 [0.53; 3.27]	0.17 [-0.69; 2.29]
Chad	1.54	1.28	-0.26	37.7	29.3	1.22	0.74	-0.48
	[1.30; 1.84] 2.94	[0.89; 1.83]	[-0.77; 0.35] -0.41	[20.9; 69.3] 8.1	[16.6; 53.9] 3.2	[0.86; 1.80]	[0.42; 1.80]	[-1.13; 0.65] 0.15
Chile	[2.77; 3.12]	[2.16; 2.97]	[-0.83; 0.04]	[7.4; 8.8]	[2.8; 3.6]	[0.80; 0.92]*	[0.86; 1.18]	[-0.01; 0.33]
China	1.89 [1.53; 2.35]	2.48 [1.67; 3.56]	0.59 [-0.38; 1.75]	5.2 [2.7; 10.1]	2.1 [1.1; 4.2]	1.25 [0.98; 1.57]	1.00 [0.69; 1.46]	-0.25 [-0.72; 0.30]
Colombia¶§	2.56 [2.05; 3.14]	3.80 [3.13; 4.57]	1.24 [0.32; 2.16]†	16.6 [15.4; 17.9]	4.4 [3.7; 5.2]	0.38 [0.28; 0.62]*	0.64 [0.53; 0.78]*	0.26 [0.00; 0.44]
Comoros	1.50	1.81	0.31	9.9	5.5	0.90	1.35	0.45
Congo	[1.18; 1.89] 0.81	[1.18; 2.74] 1.68	[-0.48; 1.30] 0.87	[6.2; 15.6] 19.0	[3.2; 9.2]	[0.45; 1.60] 0.94	[0.86; 2.13]	[-0.42; 1.38] 0.31
	[0.63; 1.05] 0.94	[1.06; 2.61] 1.01	[0.16; 1.82]† 0.07	[9.4; 38.8] 36.2	[5.4; 24.5] 35.9	[0.69; 1.40] 0.87	[0.39; 2.23]	[-0.68; 1.33] 0.07
Democratic Republic of the Congo	[0.73; 1.23]	[0.70; 1.46]	[-0.38; 0.59]	[19.6; 69.3]	[18.9; 70.3]	[0.60; 1.46]	[0.53; 2.33]	[-0.67; 1.46]
Cook Islands¶	2.68 [2.10; 3.38]	2.58 [1.62; 3.97]	-0.10 [-1.33; 1.46]	12.8 [6.7; 32.2]	4.9 [2.4; 13.5]	0.67 [0.38; 0.97]*	0.85 [0.36; 1.49]	0.18 [-0.39; 0.88]
Costa Rica	2.18 [1.92; 2.49]	2.97 [2.44; 3.58]	0.79 [0.17; 1.46]†	9.8 [8.6; 11.1]	3.3 [2.7; 4.0]	1.16 [1.02; 1.32]*	0.86 [0.71; 1.04]	-0.30 [-0.53; -0.07]†
Cote d'Ivoire	1.05	1.26	0.21	28.9	22.9	1.21	1.04	-0.17
	[0.87; 1.25]	[0.83; 1.90]	[-0.27; 0.90] -0.36	[14.4; 58.6] 5.9	[11.0; 49.0] 2.0	[0.77; 1.95]	[0.45; 2.42] 0.82	[-1.13; 1.28] 0.07
Croatia¶	[3.03; 3.68] 1.67	[2.52; 3.50] 1.90	[-0.93; 0.23] 0.23	[5.3; 6.5] 6.1	[1.7; 2.3] 3.2	[0.67; 0.82]* 1.49	[0.69; 0.97]*	[-0.07; 0.24] -0.18
Cuba¶	[1.58; 1.76]	[1.64; 2.19]	[-0.04; 0.53]	[5.6; 6.7]	[2.9; 3.6]	[1.40; 1.58]*	[1.14; 1.50]*	[-0.38; 0.03]
Cyprus	2.65 [2.13; 3.26]	2.58 [1.79; 3.66]	-0.06 [-1.13; 1.18]	4.2 [3.3; 5.3]	1.6 [1.2; 2.3]	0.95 [0.77; 1.18]	0.94 [0.66; 1.34]	-0.01 [-0.39; 0.44]
Czech Republic	2.64	2.49	-0.15 [-0.52; 0.24]	4.9	2.0	0.96	0.97	0.02
Denmark	[2.46; 2.84] 2.45	[2.19; 2.83] 2.15	-0.30	[4.5; 5.3] 3.3	[1.8; 2.2] 1.5	[0.88; 1.03] 1.03	[0.86; 1.11]	[-0.13; 0.18] 0.06
	[2.23; 2.69]	[1.85; 2.51] 1.54	[-0.69; 0.12] 0.63	[2.9; 3.6] 30.6	[1.3; 1.7] 19.9	[0.94; 1.14] 1.01	[0.93; 1.30]	[-0.14; 0.29] -0.05
Djibouti	[0.69; 1.17]	[0.93; 2.50]	[-0.05; 1.62]	[21.7; 41.0]	[13.2; 28.9]	[0.65; 2.09]	[0.38; 2.20]	[-1.06; 1.11]
Dominica	2.60 [2.02; 3.32]	2.63 [1.53; 4.34]	0.03	9.2 [5.0; 16.6]	3.5 [1.7; 7.1]	0.96 [0.73; 1.24]	0.95 [0.55; 1.64]	-0.01 [-0.51; 0.73]
Dominican Republic	2.18 [1.75; 2.69]	2.52 [1.55; 3.90]	0.34 [-0.82; 1.85]	17.2 [8.6; 33.0]	6.8 [3.2; 14.4]	1.01 [0.66; 1.32]	0.88 [0.31; 1.53]	-0.13 [-0.79; 0.64]
Ecuador¶	1.93	2.54	0.61	12.2	4.8	1.21	1.00	-0.21
_	[1.83; 2.04] 1.36	[2.24; 2.86]	[0.29; 0.94]†	[11.3; 13.1] 10.7	[4.3; 5.4] 4.5	[1.13; 1.30]* 1.78	[0.88; 1.14]	[-0.35; -0.06]† -0.72
Egypt¶	[1.21; 1.54] 4.81	[1.90; 2.91] 4.90	[0.50; 1.57]† 0.09	[9.2; 12.3]	[3.7; 5.5]	[1.56; 2.01]*	[0.85; 1.31]	[-1.03; -0.39]† 0.21
El Salvador¶§	[4.40; 5.25]	[4.00; 5.99]	[-0.92; 1.23]	17.0 [15.0; 19.2]	3.5 [2.8; 4.3]	0.28 [0.24; 0.33]*	[0.40; 0.60]*	[0.10; 0.33]†
Equatorial Guinea	0.91 [0.71; 1.18]	1.61 [0.98; 2.57]	0.70 [-0.01; 1.67]	29.7 [21.5; 39.4]	18.4 [12.3; 27.2]	1.02 [0.65; 2.03]	0.97 [0.40; 2.05]	-0.05 [-1.01; 0.98]
Eritrea	0.81 [0.62; 1.05]	1.96 [1.14; 3.21]	1.15 [0.29; 2.42]†	26.7 [19.2; 35.4]	13.6 [8.9; 20.4]	1.01 [0.69; 1.94]	0.96 [0.37; 1.90]	-0.05 [-0.96; 0.90]
Estonia¶	3.12	1.77	-1.36	4.4	2.5	0.74	1.36	0.62
_	[2.80; 3.48]	[1.37; 2.26] 1.90	[-1.89; -0.76]† 0.63	[3.5; 5.4]	[2.0; 3.1]	[0.65; 0.83]*	[1.06; 1.74]* 1.01	[0.31; 1.02]† 0.35
Ethiopia¶	[1.07; 1.51]	[1.30; 2.72]	[-0.04; 1.48]	[11.8; 38.2]	[6.0; 20.7]	[0.55; 0.81]*	[0.41; 1.68]	[-0.28; 1.04]
Federated States of Micronesia	2.21 [1.70; 2.85]	2.41 [1.45; 3.88]	0.20 [-0.99; 1.75]	15.4 [11.3; 20.2]	6.4 [4.1; 9.8]	0.99 [0.71; 1.34]	1.02 [0.61; 1.69]	0.03 [-0.51; 0.75]
Fiji§	1.95 [1.51; 2.49]	1.50 [1.12; 1.96]	-0.44 [-1.12; 0.22]	12.0 [9.7; 14.4]	8.0 [6.3; 10.0]	1.05 [0.43; 1.49]	1.68 [1.27; 2.24]*	0.63 [0.00; 1.45]†
Finland	2.97	2.32 [2.02; 2.66]	-0.65	6.5	2.8	0.84	1.08	0.24
France	[2.71; 3.25]	2.48	[-1.06; -0.23]† -0.52	[6.0; 7.2] 4.0	[2.5; 3.2] 1.6	[0.77; 0.93]* 0.85	[0.94; 1.24] 0.95	[0.08; 0.42]† 0.11
	[2.88; 3.13] 1.34	[2.19; 2.82] 1.68	[-0.84; -0.17]† 0.34	[3.7; 4.3]	[1.4; 1.8] 11.1	[0.81; 0.89]*	[0.83; 1.09]	[-0.02; 0.25] -0.02
Gabon	[1.08; 1.67]	[1.09; 2.57]	[-0.38; 1.29]	[8.8; 41.9]	[5.1; 26.1]	[0.59; 1.94]	[0.39; 2.15]	[-1.16; 1.16]
The Gambia	0.94 [0.74; 1.21]	1.80 [1.30; 2.48]	0.86 [0.27; 1.57]†	23.3 [17.7; 30.3]	12.9 [9.4; 17.7]	1.03 [0.65; 2.05]	1.15 [0.70; 1.72]	0.12 [-0.87; 0.75]
Georgia	2.79 [2.38; 3.26]	2.64 [2.19; 3.19]	-0.15 [-0.81; 0.54]	10.1 [9.2; 11.2]	3.8 [3.3; 4.5]	0.90 [0.77; 1.06]	0.96 [0.79; 1.15]	0.05 [-0.18; 0.29]
Germany	2.60	2.25	-0.35	3.5	1.6	0.97	1.05	0.08
Ghana	[2.50; 2.70] 1.14	[2.11; 2.40] 1.54	[-0.52; -0.17]† 0.39	[3.4; 3.7] 17.4	[1.5; 1.7]	[0.93; 1.01] 0.95	[0.95; 1.16]	[-0.03; 0.20] 0.41
	[0.90; 1.46]	[1.04; 2.25] 2.77	[-0.22; 1.17] -0.36	[9.5; 34.2] 4.0	[6.0; 23.7] 1.4	[0.56; 2.05] 0.80	[0.55; 2.26]	[-0.93; 1.39] 0.05
Greece	[2.90; 3.38]	[2.35; 3.28]	[-0.85; 0.19]	[3.6; 4.4]	[1.2; 1.7]	[0.74; 0.87]*	[0.72; 1.02]	[-0.10; 0.23]
Grenada	2.22 [1.72; 2.83]	2.51 [1.64; 3.82]	0.29 [-0.82; 1.74]	8.0 [5.3; 12.1]	3.2 [1.8; 5.6]	1.11 [0.85; 1.45]	0.98 [0.62; 1.57]	-0.13 [-0.63; 0.53]
Guatemala¶	1.67 [1.60; 1.75]	2.69 [2.16; 3.29]	1.02 [0.49; 1.63]†	21.0 [15.9; 27.5]	7.8 [5.8; 10.5]	1.23 [1.12; 1.33]*	0.83 [0.58; 1.06]	-0.40 [-0.66; -0.14]†
Guinea	0.99	1.08	0.09	32.1	29.8	1.11	1.07	-0.03
	[0.82; 1.19] 0.83	[0.74; 1.59] 1.26	[-0.33; 0.63] 0.44	[17.2; 59.4] 26.5	[15.9; 54.3] 21.0	[0.72; 1.75] 1.02	[0.52; 2.55] 1.45	[-0.91; 1.54] 0.42
Guinea-Bissau	[0.65; 1.07]	[0.85; 1.88]	[-0.07; 1.08] 0.26	[19.3; 35.4] 22.6	[14.8; 29.2] 10.4	[0.68; 1.99]	[0.64; 2.52]	[-0.62; 1.47] -0.31
Guyana¶	[1.71; 2.15]	[1.57; 2.95]	[-0.40; 1.05]	[13.7; 36.6]	[6.4; 17.1]	[1.08; 1.40]*	[0.34; 1.49]	[-0.93; 0.27]
Haiti	0.76 [0.63; 0.94]	1.45 [0.99; 2.11]	0.69 [0.18; 1.37]†	20.5 [12.1; 35.2]	14.1 [8.1; 24.6]	1.33 [0.88; 2.31]	1.43 [0.52; 2.33]	0.10 [-1.25; 1.13]
Honduras	2.07 [1.59; 2.67]	2.56 [1.54; 4.02]	0.49	14.3 [10.5; 18.6]	5.6 [3.6; 8.6]	0.96 [0.51; 1.37]	0.98	0.02 [-0.54; 0.79]
Hungary	2.56	2.26	-0.31	4.6	2.0	0.98	1.07	0.09
	[2.39; 2.75] 2.65	[1.91; 2.66] 2.67	[-0.70; 0.13] 0.02	[4.1; 5.1] 3.8	[1.7; 2.4] 1.4	[0.91; 1.05] 0.94	[0.90; 1.26]	[-0.09; 0.30] -0.05
Iceland	[2.13; 3.27]	[1.82; 3.83]	[-1.08; 1.33]	[2.9; 5.0]	[0.9; 2.1]	[0.75; 1.17]	[0.61; 1.29]	[-0.42; 0.40]
¶: Sex ratio is outlying in 1990. §: Sex i	ratio is outlying in	2021. *: The rati	o or estimated to exp	ected female morta	anty is significantly differe	nt from one. †: Ch	iange is significant	iy aifferent from zero.

		C		ued from previou		E-4		
	1990	Sex ratio 10q1 2021	Change	Male	q15 in 2021 (per 1,000) Female	1990	nated/Expected fe 2021	Change
T., 31.000	0.77	1.41	1990-2021 0.64	9.8	7.0	2.82	1.79	1990–2021 -1.03
India¶§	[0.70; 0.85] 1.44	[1.16; 1.71] 2.35	[0.38; 0.95]† 0.92	[8.4; 11.3] 13.3	[5.9; 8.2] 5.7	[2.46; 3.19]* 1.60	[1.47; 2.17]* 1.00	[-1.52; -0.49]† -0.60
Indonesia¶	[1.19; 1.72] 1.58	[1.57; 3.47] 2.53	[0.04; 2.09]†	[6.6; 27.8]	[2.9; 12.0]	[1.29; 1.99]* 0.95	[0.48; 1.53]	[-1.25; 0.04]
Iran (Islamic Republic of)	[1.21; 2.04]	[1.94; 3.24]	0.95 [0.18; 1.78]†	13.8 [10.4; 18.2]	5.4 [4.0; 7.5]	[0.44; 1.35]	[0.74; 1.26]	0.01 [-0.47; 0.60]
Iraq	2.36 [1.83; 3.01]	2.30 [1.42; 3.62]	-0.06 [-1.20; 1.40]	11.4 [8.5; 14.8]	4.9 [3.2; 7.4]	1.01 [0.77; 1.31]	1.08 [0.67; 1.75]	0.07 [-0.45; 0.79]
Ireland	2.84 [2.57; 3.14]	2.52 [2.14; 2.96]	-0.32 [-0.80; 0.19]	3.0 [2.6; 3.5]	1.2 [1.0; 1.4]	0.90 [0.81; 0.99]*	0.94 [0.79; 1.13]	0.04 [-0.14; 0.25]
Israel	2.52 [2.29; 2.78]	2.78	0.26	4.0	1.4	1.00	0.85	-0.15 [-0.29; 0.01]
Italy	3.29	[2.44; 3.16]	-0.80	2.8	[1.3; 1.6] 1.1	[0.90; 1.10]	[0.74; 0.98]* 0.94	0.18
Jamaica	[3.15; 3.44] 2.37	[2.18; 2.83] 2.86	[-1.14; -0.43]† 0.49	[2.6; 3.0] 12.7	[1.0; 1.3] 4.5	[0.73; 0.80]* 0.99	[0.81; 1.10] 0.89	[0.04; 0.34]† -0.10
	[1.81; 3.06] 2.59	[1.78; 4.39] 1.79	[-0.80; 2.12] -0.80	[9.6; 16.5] 3.7	[3.0; 6.7] 2.1	[0.74; 1.32] 0.96	[0.56; 1.40]	[-0.58; 0.46] 0.35
Japan	[2.50; 2.68] 2.42	[1.70; 1.89] 2.36	[-0.93; -0.67]† -0.06	[3.6; 3.9] 9.4	[2.0; 2.2]	[0.92; 1.00] 1.00	[1.21; 1.43]* 1.07	[0.25; 0.48]† 0.07
Jordan	[1.90; 3.06]	[1.51; 3.57]	[-1.14; 1.27]	[7.0; 12.2]	[2.7; 5.8]	[0.79; 1.28]	[0.70; 1.65]	[-0.41; 0.68]
Kazakhstan	2.12 [2.02; 2.22]	2.04 [1.90; 2.19]	-0.08 [-0.25; 0.10]	9.7 [9.3; 10.1]	4.8 [4.5; 5.0]	1.11 [1.05; 1.18]*	1.24 [1.15; 1.34]*	0.13 [0.02; 0.25]†
Kenya	1.16 [0.95; 1.41]	1.57 [1.06; 2.26]	0.41	19.2 [10.0; 36.6]	12.2 [6.1; 24.0]	1.70 [0.87; 2.29]	1.35 [0.48; 2.18]	-0.35 [-1.40; 0.83]
Kiribati	1.82 [1.41; 2.33]	2.22 [1.34; 3.55]	0.39 [-0.65; 1.79]	21.4 [15.8; 28.2]	9.7 [6.4; 14.5]	0.98 [0.50; 1.45]	0.99 [0.55; 1.73]	0.01 [-0.58; 0.83]
Democratic People's Republic of Korea	2.24 [1.73; 2.88]	2.15 [1.34; 3.37]	-0.09 [-1.17; 1.25]	11.5 [8.5; 15.1]	5.4 [3.6; 8.0]	1.00 [0.74; 1.34]	1.17 [0.73; 1.86]	0.17
Republic of Korea	2.32	1.56	-0.75	3.5	2.2	1.07	1.50	0.44
Kosovo	[2.03; 2.64] 2.37	[1.31; 1.86] 2.53	[-1.17; -0.33]† 0.16	[3.2; 3.8] 8.4	[2.0; 2.5]	[0.93; 1.22] 1.00	[1.25; 1.82]* 1.01	[0.13; 0.78]† 0.01
	[1.81; 3.06] 5.70	[1.50; 4.12] 2.76	[-1.11; 1.88] -2.94	[6.2; 11.0] 7.0	[2.1; 5.1] 2.6	[0.74; 1.34] 0.89	[0.61; 1.66] 0.91	[-0.52; 0.72] 0.02
Kuwait	[4.82; 6.74] 1.90	[2.20; 3.41] 1.59	[-4.12; -1.82]† -0.31	[5.9; 8.2] 9.1	[2.0; 3.2] 5.7	[0.75; 1.06]	[0.73; 1.14] 1.59	[-0.23; 0.29] 0.28
Kyrgyzstan¶§	[1.75; 2.05]	[1.46; 1.74]	[-0.51; -0.10]†	[8.5; 9.7]	[5.3; 6.1]	[1.20; 1.42]*	[1.45; 1.75]*	[0.10; 0.47]†
Lao People's Democratic Republic	1.29 [1.03; 1.61]	1.40 [0.90; 2.14]	0.11 [-0.51; 0.93]	13.6 [7.1; 26.5]	9.7 [4.9; 20.1]	0.75 [0.43; 1.71]	1.66 [0.73; 2.76]	0.90 [-0.39; 2.02]
Latvia¶	3.25 [2.96; 3.57]	2.43 [1.99; 2.94]	-0.83 [-1.37; -0.23]†	7.9 [6.9; 8.9]	3.2 [2.7; 3.9]	0.69 [0.62; 0.77]*	1.05 [0.86; 1.27]	0.35 [0.15; 0.59]†
Lebanon	11.95 [9.28; 15.39]	2.52 [1.51; 3.96]	-9.43 [-13.13; -6.34]†	7.6 [5.7; 9.8]	3.0 [1.9; 4.6]	1.00 [0.77; 1.30]	1.01 [0.63; 1.63]	0.02 [-0.48; 0.68]
Lesotho	1.21 [0.96; 1.51]	1.45 [1.00; 2.08]	0.24	31.4 [17.1; 56.4]	21.7 [12.4; 38.8]	0.87 [0.53; 1.81]	0.81	-0.06 [-1.06; 1.17]
Liberia	4.60	1.19	-3.41	30.2	25.4	0.91	0.99	0.08
Libya	[3.58; 5.98] 2.42	[0.85; 1.67]	[-4.82; -2.24]† 0.12	[19.8; 46.9] 8.5	[16.2; 40.3] 3.3	[0.60; 1.72] 1.00	[0.52; 2.19]	[-0.86; 1.31] 0.00
-	[1.87; 3.10]	[1.52; 4.02] 2.72	[-1.14; 1.73] -0.61	[6.3; 10.9] 7.6	[2.1; 5.2] 2.8	[0.77; 1.30]	[0.62; 1.62]	[-0.50; 0.68] 0.22
Lithuania¶	[3.05; 3.62] 2.59	[2.29; 3.20] 2.29	[-1.13; -0.05]† -0.29	[6.9; 8.5] 3.1	[2.4; 3.3]	[0.65; 0.78]* 0.95	[0.79; 1.11]	[0.06; 0.41]† 0.07
Luxembourg	[2.11; 3.15] 2.10	[1.61; 3.22] 1.96	[-1.22; 0.75] -0.14	[2.3; 4.2] 4.1	[0.9; 2.0]	[0.77; 1.17]	[0.72; 1.47]	[-0.31; 0.56] 0.03
Macedonia	[1.80; 2.44]	[1.54; 2.48]	[-0.69; 0.46]	[3.4; 5.0]	[1.7; 2.6]	[1.03; 1.39]*	[0.96; 1.55]	[-0.29; 0.39]
Madagascar	1.01 [0.85; 1.20]	1.31 [0.86; 1.97]	0.30 [-0.21; 0.98]	24.8 [11.4; 57.4]	19.0 [8.7; 45.4]	1.29 [0.81; 2.01]	1.16 [0.45; 2.47]	-0.13 [-1.20; 1.32]
Malawi	0.89 [0.77; 1.04]	1.65 [1.19; 2.27]	0.75 [0.27; 1.40]†	22.5 [13.9; 35.9]	13.7 [8.3; 22.6]	1.08 [0.78; 1.64]	1.21 [0.47; 1.89]	0.13 [-0.77; 0.88]
Malaysia	2.51 [2.24; 2.82]	2.43 [2.29; 2.57]	-0.08 [-0.42; 0.22]	7.7 [7.4; 8.1]	3.2 [3.0; 3.4]	0.96 [0.85; 1.09]	1.04 [0.98; 1.11]	0.08 [-0.06; 0.21]
Maldives¶	1.30 [1.08; 1.57]	1.94 [1.34; 2.75]	0.64 [-0.04; 1.49]	4.5 [3.3; 5.8]	2.3 [1.6; 3.3]	1.86 [1.51; 2.27]*	1.24 [0.87; 1.76]	-0.61 [-1.19; 0.03]
Mali	0.83	1.24	0.41	23.5	18.9	1.42	1.44	0.01
Malta	[0.70; 0.99] 2.63	[0.91; 1.68] 2.65	[0.04; 0.88]† 0.02	[15.3; 36.8] 3.1	[12.1; 30.4] 1.2	[0.91; 2.21] 0.94	[0.63; 2.38] 0.90	[-1.14; 1.10] -0.05
Marshall Islands	[2.06; 3.32] 2.23	[1.83; 3.74] 2.38	[-1.10; 1.32] 0.15	[2.2; 4.2] 16.7	[0.8; 1.7] 7.0	[0.75; 1.20] 1.00	[0.62; 1.30]	[-0.43; 0.42] 0.02
	[1.71; 2.88] 1.75	[1.42; 3.77] 1.31	[-1.04; 1.68] -0.44	[12.4; 21.8] 16.3	[4.5; 10.7] 12.4	[0.71; 1.33] 0.96	[0.60; 1.70] 1.68	[-0.52; 0.75] 0.72
Mauritania	[1.37; 2.24]	[0.96; 1.79]	[-1.05; 0.19] 0.98	[10.4; 27.4] 11.2	[7.7; 21.1] 4.7	[0.46; 1.49]	[0.82; 2.49]	[-0.26; 1.71] -0.71
Mauritius¶	[1.25; 1.62]	[1.97; 2.92]	[0.50; 1.53]†	[9.9; 12.7]	[3.9; 5.6]	[1.55; 2.02]*	[0.86; 1.28]	[-1.03; -0.39]†
Mexico§	2.53 [2.47; 2.59]	2.98 [2.67; 3.32]	0.45 [0.13; 0.80]†	18.0 [16.7; 19.5]	6.1 [5.4; 6.8]	0.96 [0.92; 0.99]*	0.80 [0.71; 0.91]*	-0.16 [-0.25; -0.05]†
Republic of Moldova¶	2.75 [2.52; 2.99]	2.52 [2.09; 3.01]	-0.23 [-0.72; 0.30]	9.9 [8.8; 11.1]	3.9 [3.3; 4.6]	0.86 [0.78; 0.95]*	1.00 [0.83; 1.21]	0.14 [-0.05; 0.36]
Monaco	2.54 [1.93; 3.27]	2.40 [1.42; 3.88]	-0.14 [-1.41; 1.51]	4.6 [3.4; 5.9]	1.9 [1.2; 3.0]	1.00 [0.77; 1.31]	1.02 [0.63; 1.68]	0.02 [-0.49; 0.72]
Mongolia¶	1.79 [1.49; 2.12]	2.18 [1.75; 2.71]	0.40	9.7 [8.2; 11.5]	4.5 [3.6; 5.5]	1.28 [1.03; 1.57]*	1.15	-0.13 [-0.50; 0.25]
Montenegro	2.11	2.36	0.25	5.4	2.3	1.21	1.05	-0.16
Montserrat	[1.74; 2.56] 2.46	[1.67; 3.28]	[-0.62; 1.25] 0.05	[4.3; 6.6] 6.9	[1.7; 3.1]	[0.99; 1.47] 1.00	[0.75; 1.47]	[-0.56; 0.33] 0.01
	[1.89; 3.18] 1.77	[1.51; 4.05] 2.27	[-1.21; 1.72] 0.50	[5.1; 8.9] 7.0	[1.8; 4.2] 3.1	[0.76; 1.31] 1.35	[0.62; 1.63] 1.10	[-0.51; 0.69] -0.25
Morocco¶	[1.45; 2.15] 1.07	[1.44; 3.43] 1.15	[-0.45; 1.73] 0.08	[3.3; 15.3] 32.0	[1.5; 7.0] 27.9	[1.08; 1.67]* 0.84	[0.67; 1.74] 1.00	[-0.81; 0.46] 0.16
Mozambique	[0.88; 1.30]	[0.74; 1.77]	[-0.41; 0.75]	[15.5; 66.5]	[12.3; 61.6]	[0.60; 1.28]	[0.47; 2.66]	[-0.57; 1.85]
Myanmar	1.39 [1.02; 1.88]	2.14 [1.40; 3.27]	0.75 [-0.13; 1.98]	[8.0; 27.5]	7.0 [3.4; 13.9]	0.82 [0.45; 1.59]	1.51 [0.92; 2.34]	0.68 [-0.32; 1.61]
Namibia	1.41 [1.17; 1.68]	1.59 [1.05; 2.37]	0.19 [-0.43; 1.02]	26.1 [12.9; 51.6]	16.4 [8.2; 32.7]	0.90 [0.58; 1.45]	1.05 [0.37; 2.08]	0.14 [-0.79; 1.24]
¶: Sex ratio is outlying in 1990. §: Sex							ange is significant	

^{¶:} Sex ratio is outlying in 1990. §: Sex ratio is outlying in 2021. *: The ratio of estimated to expected female mortality is significantly different from one. †: Change is significantly different from zero.

Continued on next page

		C		ued from previou		E-4		
	1990	Sex ratio 10q1 2021	Change	Male	Pq15 in 2021 (per 1,000) Female	1990	nated/Expected fe 2021	Change
Nauru	2.06	2.40	1990–2021 0.34	16.2	6.8	0.98	1.01	1990-2021 0.03
Nepal¶§	[1.59; 2.64] 1.06	[1.43; 3.78] 1.43	[-0.82; 1.82] 0.37	[11.9; 21.2] 11.6	[4.4; 10.3] 8.1	[0.60; 1.36] 1.99	[0.61; 1.70] 1.69	[-0.53; 0.81] -0.30
	[0.87; 1.27] 2.15	[0.96; 2.10] 1.92	[-0.17; 1.09] -0.22	[6.5; 20.8] 3.1	[4.5; 14.8] 1.6	[1.38; 2.55]* 1.15	[1.07; 2.55]* 1.22	[-1.17; 0.77] 0.07
Netherlands	[2.00; 2.30] 2.95	[1.73; 2.14] 1.85	[-0.47; 0.04] -1.10	[2.9; 3.3] 6.0	[1.5; 1.8]	[1.07; 1.24]* 0.81	[1.07; 1.39]* 1.34	[-0.10; 0.25] 0.53
New Zealand¶	[2.71; 3.21] 2.21	[1.64; 2.09] 2.47	[-1.43; -0.76]† 0.26	[5.6; 6.6] 12.6	[2.9; 3.6] 5.1	[0.74; 0.89]*	[1.18; 1.51]* 1.00	[0.35; 0.71]† 0.02
Nicaragua	[1.71; 2.88]	[1.50; 4.03]	[-0.97; 1.89]	[9.4; 16.6]	[3.3; 7.8]	[0.48; 1.42]	[0.61; 1.67]	[-0.56; 0.85]
Niger	0.92 [0.77; 1.12]	1.04 [0.70; 1.56]	0.11 [-0.29; 0.67]	27.0 [13.6; 54.8]	26.0 [12.2; 54.7]	1.04 [0.72; 1.62]	1.41 [0.58; 2.96]	0.37 [-0.69; 1.97]
Nigeria	1.00 [0.80; 1.25]	1.17 [0.89; 1.52]	0.17 [-0.22; 0.59]	19.5 [13.3; 28.8]	16.7 [11.1; 25.2]	0.96 [0.63; 1.68]	1.82 [0.97; 2.60]	0.86 [-0.22; 1.72]
Niue	2.41 [1.86; 3.10]	2.47 [1.47; 4.08]	0.05 [-1.19; 1.78]	18.2 [12.4; 25.4]	7.4 [5.1; 10.5]	1.00 [0.77; 1.31]	0.98 [0.55; 1.66]	-0.02 [-0.57; 0.71]
Norway	3.05 [2.76; 3.37]	2.23 [1.91; 2.60]	-0.82 [-1.26; -0.36]†	4.2 [3.8; 4.7]	1.9 [1.7; 2.2]	0.82 [0.74; 0.91]*	1.07 [0.91; 1.25]	0.25 [0.06; 0.44]†
Oman	2.42 [1.87; 3.06]	2.50 [1.50; 3.98]	0.09 [-1.16; 1.67]	8.0 [6.0; 10.3]	3.2 [2.0; 5.0]	1.01 [0.78; 1.30]	1.02 [0.63; 1.65]	0.01 [-0.50; 0.69]
Pakistan¶	1.22 [1.04; 1.44]	2.63 [1.76; 3.82]	1.41 [0.45; 2.64]†	16.1 [7.4; 34.5]	6.1 [2.9; 13.1]	1.62 [1.18; 2.04]*	0.86 [0.33; 1.33]	-0.76 [-1.43; -0.08]†
Palau	2.65 [2.08; 3.36]	0.98	-1.68 [-2.41; -1.02]†	27.9 [17.2; 46.5]	28.6 [16.6; 49.0]	0.77 [0.45; 1.05]	1.25	0.48
Panama	2.43	2.75	0.32	13.8	5.0	1.00	0.91	-0.09
Papua New Guinea§	[2.08; 2.84] 1.86	[2.32; 3.24] 1.29	[-0.28; 0.93] -0.56	[12.9; 14.8] 16.3	[4.4; 5.8]	[0.85; 1.17] 1.00	[0.76; 1.08]	[-0.32; 0.14] 0.85
Paraguay	[1.44; 2.39] 2.05	[0.90; 1.85] 2.41	[-1.23; 0.15] 0.36	[12.2; 21.5] 14.7	[9.2; 17.3] 6.1	[0.56; 1.44] 1.06	[1.24; 2.72]* 1.03	[0.10; 1.80]† -0.03
	[1.59; 2.60] 1.78	[1.45; 3.84]	[-0.79; 1.88] 0.92	[10.9; 19.2] 9.3	[3.9; 9.2] 3.5	[0.72; 1.42]	[0.63; 1.70]	[-0.60; 0.73] -0.22
Peru	[1.56; 2.03] 1.82	[1.74; 3.98] 2.23	[-0.09; 2.24] 0.41	[4.2; 20.0] 12.8	[1.7; 7.4] 5.7	[0.91; 1.39]	[0.53; 1.47]	[-0.71; 0.38] -0.17
Philippines¶	[1.57; 2.11]	[1.78; 2.76] 2.77	[-0.12; 0.99] -0.83	[11.1; 14.6] 7.1	[4.7; 6.9]	[1.10; 1.53]* 0.70	[0.90; 1.41]	[-0.49; 0.17] 0.22
Poland¶	[3.43; 3.77]	[2.58; 2.97] 2.28	[-1.09; -0.57]† -1.23	[6.8; 7.4]	[2.4; 2.7]	[0.66; 0.73]*	[0.85; 0.99]*	[0.14; 0.30]†
Portugal¶	3.52 [3.30; 3.75]	[2.00; 2.60]	[-1.60; -0.84]†	[3.6; 4.2]	1.7 [1.5; 1.9]	0.67 [0.63; 0.73]*	1.03 [0.90; 1.20]	0.36 [0.21; 0.53]†
Qatar	2.53 [2.00; 3.13]	2.58 [1.91; 3.41]	0.05 [-0.90; 1.06]	4.3 [3.6; 5.1]	1.7 [1.2; 2.2]	0.97 [0.77; 1.22]	0.93 [0.69; 1.24]	-0.04 [-0.40; 0.34]
Romania	2.24 [2.13; 2.35]	2.60 [2.38; 2.84]	0.37 [0.12; 0.63]†	7.0 [6.7; 7.4]	2.7 [2.5; 2.9]	1.12 [1.06; 1.18]*	0.97 [0.88; 1.06]	-0.15 [-0.26; -0.04]†
Russian Federation¶	3.12 [3.05; 3.19]	2.53 [2.27; 2.82]	-0.59 [-0.86; -0.29]†	10.9 [10.0; 11.9]	4.3 [3.9; 4.8]	0.73 [0.70; 0.76]*	1.00 [0.89; 1.12]	0.27 [0.16; 0.40]†
Rwanda¶	1.20 [1.00; 1.43]	1.70 [1.22; 2.38]	0.50 [-0.04; 1.23]	11.6 [6.5; 20.8]	6.8 [3.6; 12.7]	0.58 [0.48; 0.73]*	1.43 [0.94; 2.02]	0.84 [0.32; 1.45]†
Saint Kitts and Nevis	2.39 [1.85; 3.06]	2.71 [1.68; 4.23]	0.32 [-0.94; 1.99]	22.9 [13.1; 38.6]	8.5 [4.5; 15.9]	1.03 [0.78; 1.35]	0.71 [0.26; 1.32]	-0.32 [-0.88; 0.35]
Saint Lucia	2.29 [1.82; 2.87]	2.30 [1.58; 3.30]	0.01	12.4 [8.6; 17.4]	5.4	1.07	1.07 [0.72; 1.58]	0.00 [-0.46; 0.58]
Samoa	1.41	1.65	0.24	9.0	5.5	0.74	1.49	0.75
San Marino	[1.02; 1.93]	[1.10; 2.45]	[-0.71; 1.15] -0.14	[5.1; 15.8]	[3.1; 10.1]	[0.42; 1.86]	[0.97; 2.25]	[-0.48; 1.56] 0.02
Sao Tome and Principe	[1.92; 3.23] 1.54	[1.39; 3.81] 1.91	[-1.39; 1.44] 0.36	[2.3; 4.1] 23.6	[0.9; 2.0]	[0.76; 1.30] 0.63	[0.62; 1.67] 0.91	[-0.50; 0.72] 0.28
Saudi Arabia	[1.19; 1.99] 2.13	[1.18; 3.01] 3.06	[-0.55; 1.53] 0.93	[10.9; 49.5] 14.0	[5.3; 28.5] 4.6	[0.37; 1.70] 0.85	[0.31; 1.86] 0.76	[-1.04; 1.23] -0.09
	[1.67; 2.69] 1.18	[2.09; 4.36] 1.54	[-0.24; 2.32] 0.36	[8.8; 23.3] 14.1	[2.7; 8.3]	[0.30; 1.31]	[0.45; 1.17]	[-0.65; 0.60] 0.07
Senegal	[0.97; 1.43] 2.50	[1.10; 2.11] 2.63	[-0.16; 0.97] 0.12	[8.8; 22.8] 5.8	[5.6; 15.3] 2.2	[0.79; 2.06] 1.01	[0.95; 2.16] 0.94	[-0.80; 1.02] -0.07
Serbia	[2.20; 2.85] 2.53	[2.18; 3.13] 3.36	[-0.45; 0.72] 0.84	[5.2; 6.4] 11.9	[1.9; 2.6]	[0.88; 1.15] 1.00	[0.79; 1.13]	[-0.28; 0.16] -0.30
Seychelles	[1.96; 3.22] 0.78	[2.31; 4.73] 1.19	[-0.51; 2.37] 0.42	[7.5; 19.6] 36.5	[2.1; 6.5] 30.6	[0.77; 1.29]	[0.46; 1.06]	[-0.69; 0.14] -0.21
Sierra Leone	[0.59; 1.04]	[0.89; 1.59]	[-0.01; 0.86] -0.19	[21.5; 56.4]	[18.9; 46.2] 1.3	[0.71; 1.67]	[0.49; 1.69]	[-0.96; 0.68]
Singapore	2.20 [1.90; 2.55]	2.01 [1.58; 2.54]	[-0.74; 0.42]	2.6 [2.2; 3.1]	[1.1; 1.6]	1.15 [1.00; 1.33]	1.16 [0.91; 1.49]	0.01 [-0.30; 0.37]
Slovakia	2.78 [2.55; 3.03]	2.39 [2.06; 2.76]	-0.40 [-0.81; 0.04]	5.8 [5.3; 6.2]	2.4 [2.1; 2.7]	0.91 [0.83; 0.99]*	1.03 [0.89; 1.19]	0.12 [-0.04; 0.30]
Slovenia	3.02 [2.69; 3.39]	2.39 [1.80; 3.12]	-0.63 [-1.34; 0.16]	3.7 [3.2; 4.3]	1.5 [1.2; 2.0]	0.83 [0.74; 0.94]*	0.99 [0.76; 1.31]	0.16 [-0.10; 0.48]
Solomon Islands	2.29 [1.75; 2.92]	2.05 [1.29; 3.17]	-0.23 [-1.25; 1.05]	12.6 [9.4; 16.6]	6.1 [4.1; 9.0]	1.00 [0.75; 1.34]	1.22 [0.77; 1.93]	0.22 [-0.36; 0.96]
Somalia	0.76 [0.59; 1.00]	0.92 [0.56; 1.54]	0.16 [-0.27; 0.79]	38.8 [26.6; 54.4]	42.0 [29.0; 58.1]	1.00 [0.71; 1.74]	1.03 [0.49; 2.85]	0.02 [-0.76; 1.72]
South Africa	2.09 [1.69; 2.58]	1.60 [1.35; 1.88]	-0.49 [-1.04; 0.00]	24.5 [21.4; 28.0]	15.3 [13.2; 17.8]	0.72 [0.37; 1.19]	1.28 [0.82; 1.62]	0.56 [-0.10; 1.07]
South Sudan	0.69 [0.53; 0.92]	0.97 [0.59; 1.62]	0.28	36.8 [25.2; 50.8]	37.9 [25.7; 52.9]	1.04 [0.78; 1.54]	1.04 [0.48; 2.91]	0.00
Spain	3.13	2.26	-0.87	2.7	1.2	0.81	1.05	0.24
Sri Lanka¶	[3.00; 3.27]	[1.97; 2.58]	0.03	[2.5; 3.0] 5.6	[1.1; 1.4]	[0.77; 0.85]* 0.68	[0.89; 1.23]	[0.08; 0.43]† 0.42
Saint Vincent and the Grenadines	[1.95; 2.52] 2.49	[1.63; 3.08] 2.25	[-0.67; 0.89] -0.25	[3.5; 8.8] 19.0	[1.5; 4.0] 8.5	[0.49; 0.90]* 1.00	[0.80; 1.50] 0.97	[0.05; 0.85]† -0.03
	[1.97; 3.11] 2.85	[1.47; 3.33] 2.73	[-1.29; 1.00] -0.12	[12.3; 28.4] 11.0	[5.2; 13.7] 4.0	[0.79; 1.27] 1.00	[0.48; 1.58] 1.01	[-0.59; 0.63] 0.01
State of Palestine	[2.20; 3.63] 0.89	[1.64; 4.32] 1.55	[-1.53; 1.60] 0.65	[8.1; 14.4] 31.0	[2.6; 6.1]	[0.77; 1.30] 0.95	[0.63; 1.64]	[-0.48; 0.69] -0.02
Sudan	[0.70; 1.15] 1.80	[0.93; 2.53]	[-0.05; 1.66] -0.47	[21.9; 41.6] 13.0	[13.2; 29.4] 9.8	[0.65; 1.80]	[0.37; 2.16]	[-0.86; 1.15] 0.55
Suriname¶§ ¶: Sex ratio is outlying in 1990. §: Sex	[1.51; 2.14]	[1.10; 1.60]	[-0.87; -0.07]†	[10.6; 15.8]	[7.9; 12.1]	[1.08; 1.58]*	[1.52; 2.27]*	[0.11; 1.01]†

^{¶:} Sex ratio is outlying in 1990. §: Sex ratio is outlying in 2021. *: The ratio of estimated to expected female mortality is significantly different from one. †: Change is significantly different from zero.

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	Table 20 – continued from previous page							
		Sex ratio 10q1			q15 in 2021 (per 1,000)		nated/Expected fe	
	1990	2021	Change 1990–2021	Male	Female	1990	2021	Change 1990–2021
Eswatini§	1.13	0.90	-0.23	22.4	24.8	1.36	2.30	0.95
•	[0.89; 1.44]	[0.58; 1.43]	[-0.71; 0.38]	[15.7; 31.1]	[17.5; 34.0]	[0.68; 2.24]	[1.08; 3.94]*	[-0.44; 2.69]
Sweden	2.49	2.22	-0.27	4.5	2.0	1.01 [0.93; 1.10]	1.08	0.07
	[2.29; 2.71] 2.93	[1.96; 2.52]	[-0.61; 0.09] -0.50	[4.2; 4.8] 3.8	[1.8; 2.3]	0.86	[0.95; 1.23]	[-0.09; 0.24] 0.11
Switzerland	[2.70; 3.18]	[2.10; 2.81]	[-0.92; -0.06]†	[3.5; 4.1]	[1.4; 1.8]	[0.79; 0.94]*	[0.83; 1.14]	[-0.05; 0.30]
	1.63	3.24	1.61	13.6	4.2	1.26	1.17	-0.08
Syria	[1.29; 2.03]	[2.19; 4.58]	[0.42; 3.15]†	[7.1; 32.7]	[2.1; 10.8]	[0.74; 1.68]	[0.76; 1.72]	[-0.71; 0.67]
Tajikistan¶§	1.38	1.50	0.12	5.1	3.4	1.80	1.61	-0.19
Tajikistangs	[1.28; 1.48]	[1.36; 1.64]	[-0.05; 0.30]	[4.8; 5.4]	[3.2; 3.7]	[1.66; 1.95]*	[1.46; 1.79]*	[-0.40; 0.04]
Tanzania	1.12	1.36	0.25	20.0	14.7	1.32	1.51	0.18
	[0.94; 1.33]	[0.96; 1.91]	[-0.22; 0.83]	[10.5; 40.9]	[8.0; 29.4]	[0.79; 1.96]	[0.53; 2.39]	[-0.99; 1.24]
Thailand¶§	2.88 [2.47; 3.36]	3.30	0.42	18.4 [16.2; 20.9]	5.6	0.74	0.69	-0.05
	1.84	[2.63; 4.07]	[-0.43; 1.31] -1.18	24.7	[4.6; 6.9] 37.4	[0.62; 0.88]*	[0.55; 0.87]*	[-0.25; 0.17] 1.45
Timor Leste	[1.44; 2.33]	[0.48; 0.93]	[-1.72; -0.68]†	[12.7; 56.5]	[19.5; 86.0]	[0.35; 1.40]	[0.94; 4.40]	[-0.06; 3.70]
_	1.23	1.33	0.10	19.5	14.7	1.29	1.51	0.23
Togo	[1.01; 1.49]	[0.91; 1.97]	[-0.42; 0.81]	[10.2; 38.0]	[7.0; 30.1]	[0.75; 1.91]	[0.58; 2.51]	[-0.91; 1.40]
Tongo	2.64	2.76	0.12	12.3	4.5	0.96	0.91	-0.05
Tonga	[2.02; 3.42]	[1.75; 4.15]	[-1.22; 1.67]	[8.3; 17.7]	[2.9; 7.2]	[0.73; 1.25]	[0.58; 1.43]	[-0.51; 0.55]
Trinidad and Tobago¶§	1.96	3.20	1.24	21.0	6.6	1.27	0.69	-0.58
Timuda and Tooligo Is	[1.74; 2.20]	[2.46; 4.09]	[0.47; 2.14]†	[15.1; 29.7]	[4.6; 9.7]	[1.13; 1.44]*	[0.32; 0.94]*	[-0.97; -0.29]†
Tunisia	2.11	2.72	0.61	11.0	4.0	1.18	0.93	-0.25
	[1.70; 2.60]	[2.06; 3.55]	[-0.23; 1.54]	[8.1; 14.6]	[2.9; 5.6]	[0.95; 1.47]	[0.70; 1.23]	[-0.62; 0.13]
Turkey	1.97 [1.50; 2.68]	2.46 [2.11; 2.86]	0.49 [-0.28; 1.15]	5.4 [4.7; 6.1]	2.2 [1.9; 2.6]	0.91 [0.40; 1.37]	0.99 [0.85; 1.15]	0.08 [-0.41; 0.61]
	1.54	1.35	-0.19	11.6	8.6	1.58	1.84	0.26
Turkmenistan¶§	[1.35; 1.76]	[1.01; 1.79]	[-0.60; 0.29]	[7.5; 17.6]	[5.6; 13.0]	[1.37; 1.82]*	[1.35; 2.49]*	[-0.30; 0.96]
m 1 10: 11 1	2.51	2.47	-0.05	7.5	3.1	0.99	1.03	0.04
Turks and Caicos Islands	[1.94; 3.20]	[1.46; 3.97]	[-1.31; 1.57]	[5.5; 9.9]	[2.0; 4.6]	[0.77; 1.28]	[0.64; 1.69]	[-0.46; 0.75]
Tuvalu	2.28	2.61	0.33	14.4	5.5	0.95	0.96	0.01
Tuvalu	[1.79; 2.90]	[1.60; 4.13]	[-0.91; 1.97]	[10.8; 18.8]	[3.6; 8.4]	[0.66; 1.26]	[0.58; 1.56]	[-0.49; 0.68]
Uganda	0.87	1.39	0.52	31.5	22.7	0.94	0.81	-0.13
	[0.75; 1.01]	[1.02; 1.89] 2.69	[0.12; 1.02]† -0.28	[18.1; 56.8] 9.2	[13.2; 40.6]	[0.74; 1.28] 0.81	[0.43; 1.75]	[-0.64; 0.81] 0.13
Ukraine¶	[2.86; 3.08]	[2.52; 2.87]	[-0.48; -0.08]†	[8.8; 9.6]	[3.2; 3.6]	[0.77; 0.85]*	[0.88; 1.01]	[0.06; 0.21]†
	2.48	2.46	-0.02	6.2	2.5	1.01	1.02	0.01
United Arab Emirates	[1.91; 3.15]	[1.48; 3.85]	[-1.23; 1.54]	[4.7; 8.1]	[1.6; 4.1]	[0.78; 1.31]	[0.64; 1.65]	[-0.49; 0.68]
United Kingdom	2.74	2.13	-0.61	4.2	2.0	0.92	1.12	0.20
Office Kingdom	[2.62; 2.87]	[1.81; 2.49]	[-0.96; -0.23]†	[3.7; 4.8]	[1.7; 2.3]	[0.87; 0.97]*	[0.95; 1.32]	[0.03; 0.41]†
United States of America¶	2.98	2.59	-0.39	12.1	4.7	0.82	0.98	0.16
omed states of timered j	[2.93; 3.04]	[2.23; 2.99]	[-0.76; 0.01]	[11.1; 13.4]	[4.1; 5.4]	[0.79; 0.84]*	[0.85; 1.14]	[0.02; 0.32]†
Uruguay§	2.18	3.34	1.16	13.9	4.2	1.14	0.75	-0.39
.	[1.97; 2.40] 1.57	[2.84; 3.91]	[0.62; 1.77]†	[12.5; 15.5] 7.9	[3.6; 4.9]	[1.03; 1.27]* 1.59	[0.63; 0.88]*	[-0.57; -0.22]† 0.48
Uzbekistan¶§	[1.38; 1.80]	[1.04; 1.40]	[-0.65; -0.09]†	[7.3; 8.5]	[6.0; 7.2]	[1.38; 1.81]*	[1.78; 2.39]*	[0.11; 0.89]†
	2.33	2.22	-0.11	14.6	6.6	1.00	1.11	0.12
Vanuatu	[1.79; 3.00]	[1.39; 3.42]	[-1.21; 1.23]	[10.8; 19.0]	[4.4; 9.6]	[0.74; 1.33]	[0.70; 1.78]	[-0.42; 0.82]
Venezuela (Bolivarian Republic of)¶§	2.76	5.00	2.24	44.2	8.8	0.86	0.17	-0.68
venezueia (Bonvarian Republic 01)][§	[2.40; 3.15]	[3.68; 6.68]	[0.85; 3.96]†	[32.1; 60.2]	[6.2; 12.9]	[0.74; 0.99]*	[0.11; 0.28]*	[-0.83; -0.52]†
Vietnam	2.11	2.57	0.46	8.8	3.4	1.09	0.97	-0.11
·	[1.67; 2.65]	[1.85; 3.53]	[-0.48; 1.53]	[6.7; 11.5]	[2.4; 4.9]	[0.78; 1.42]	[0.70; 1.35]	[-0.56; 0.39]
Yemen	2.18	4.26	2.08	34.5	8.1	0.99	1.01	0.02
	[1.69; 2.76] 0.78	[2.60; 6.86] 1.59	[0.31; 4.73]† 0.81	[25.6; 45.3] 25.1	[5.3; 12.3] 15.8	[0.69; 1.33]	[0.59; 1.66]	[-0.50; 0.74] -0.03
Zambia	[0.67; 0.89]	[1.16; 2.18]	[0.36; 1.42]†	[15.9; 39.0]	[9.4; 25.8]	[0.86; 1.52]	[0.47; 1.80]	[-0.75; 0.75]
	1.22	1.29	0.07	26.9	20.9	1.71	1.24	-0.47
Zimbabwe	[1.02; 1.45]	[0.91; 1.82]	[-0.38; 0.63]	[16.1; 44.7]	[11.9; 35.3]	[0.92; 2.19]	[0.52; 2.30]	[-1.38; 0.83]
	[]	[, 1.02]	[[[,]	[,]	[]	[, 0.00]

Table 21: **Sex ratio data sources for age group 0–1, by country.** For each country, the total number of observations and the most recent reference year are shown after the country name. For each country-specific data series, the number of observations and the most recent reference year within that series is shown before each data series name. The source type that each data series falls in is shown in parentheses after each data series name.

Country	# obs.	Most recent	Data series name [source type]
		obs. year	
Afghanistan	18	2015.5	
	8	2008.5	2010 Afghanistan Mortality Survey [DHS Direct]
	5	2012.5	2015 Demographic and Health Survey [DHS Direct]
	5	2015.5	2018 Afghanistan Health Survey [Others Direct]
Albania	26	2021.5	
	5	1999.5	2002 Reproductive Health Survey [Others Direct]
	5	2005.5	2008-2009 Demographic and Health Survey [DHS Direct]
	16	2021.5	WHO Vital Registration Data 2022 version [VR]
Algeria	39	2020.5	
	1	1976.5	1986 Enquete nationale sur la fecondite [Others Direct]
	5	1989.5	1992 Pan Arab Project for Child Development Maternal and Child Health Survey [Others Direct]
	1	1993	1995 Enquete nationale sur les objectifs [Others Direct]
	5	2000	2002 Pan Arab Project for Family Health Family Health Survey [Other Direct]
	22	2020.5	Vital Registration from Demographie Algerienne [VR]
	5	1986.5	WHO Vital Registration Data 2022 version [VR]
Andorra	58	2014.5	Will the state of
Tindona	11	2014.5	WHO Vital Registration Data 2019 version [VR]
	7	2014.5	WHO Vital Registration Data 2020 version [VR]
	19	2014.5	WHO Vital Registration Data 2021 version [VR]
	21	2014.5	WHO Vital Registration Data 2022 version [VR]
Angola	5	2012.5	
6	5	2012.5	2015-2016 Inquerito de Indicadores Multiplos e de Saude [DHS Direct
Anguilla	16	2016.5	
	16	2016.5	2019 UNPD Vital Registration Data 2019 version [VR]
Antigua and Bar-	58	2017.5	
buda			
	11	1960.5	UNPD Demographic Yearbook Data 2020 version [VR]
	47	2017.5	WHO Vital Registration Data 2022 version [VR]
Argentina	45	2020.5	
	45	2020.5	2021 WHO Vital Registration Data 2022 version [VR]
Armenia	15	2007.5	
	5	1997.5	2000 Demographic and Health Survey [DHS Direct]
	5	2002.5	2005 Demographic and Health Survey [DHS Direct]
	5	2007.5	2010 Demographic and Health Survey [DHS Direct]
Australia	71	2020.5	
	71	2020.5	2021 WHO Vital Registration Data 2022 version [VR]
Austria	66	2020.5	
	66	2020.5	2021 WHO Vital Registration Data 2022 version [VR]
Azerbaijan	11	2008.5	
	1	1996	2001 Reproductive Health Survey [Others Direct]

Table 21 – continued from previous page

			e 21 – continued from previous page
	#	Most	
Country	obs.	recent	Data series name [source type]
	uns.	obs. year	
	5	2003.5	2006 Demographic and Health Survey [DHS Direct]
	5	2008.5	2011 Azerbaijan National Demographic and Health Survey [Other DHS
			Direct]
Bahamas	48	2020.5	
Danamas	48	2020.5	2021 WHO Vital Registration Data 2022 version [VR]
Bahrain	42	2019.5	2021 WHO Vital Registration Data 2022 Version [VR]
Daillaill		1984	1000 Child Health Comrey [Others Disset]
	1		1989 Child Health Survey [Others Direct]
	1	1990.5	1995 Gulf Family Health Survey [Others Direct]
	5	2019.5	UNPD Vital Registration Data 2019 version [VR]
	35	2014.5	WHO Vital Registration Data 2022 version [VR]
Bangladesh	94	2020.5	
	5	1973	1975-1976 World Fertility Survey [Other DHS Direct]
	1	1981	1988-1989 Fertility Survey [Others Direct]
	5	1991	1993-1994 Demographic and Health Survey [DHS Direct]
	5	1994	1996-1997 Demographic and Health Survey [DHS Direct]
	5	1996.5	1999-2000 Demographic and Health Survey [DHS Direct]
	1	1999	2001 Maternal Health Services and Maternal Mortality Survey [Other
			DHS Direct]
	5	2001.5	2004 Demographic and Health Survey [DHS Direct]
	5	2004.5	2007 Demographic and Health Survey [DHS Direct]
	1	2010.7	2011 Census [Others Direct]
	5	2008.5	2011 Census [Others Bricet] 2011 Demographic and Health Survey [DHS Direct]
	1	2008.3	2012-2013 Multiple Indicator Cluster Survey [MICS Direct]
			•
	5	2011.5	2014 Demographic and Health Survey [DHS Direct]
	5	2014.5	2017-2018 Demographic and Health Survey [DHS Direct]
	5	2016.5	2019 Multiple Indicator Cluster Survey [MICS Direct]
	10	2020.5	Sample Vital Statistics [VR]
	30	2010.5	SVital Registration from Report on Sample Vital Registration System
			2010 [VR]
Barbados	59	2013.5	
	59	2013.5	2021 WHO Vital Registration Data 2022 version [VR]
Belarus	39	2019.5	
	39	2019.5	2021 WHO Vital Registration Data 2022 version [VR]
Belgium	70	2019.5	
<u> </u>	4	1953.5	UNPD Demographic Yearbook Data 2020 version [VR]
	66	2019.5	WHO Vital Registration Data 2022 version [VR]
Belize	23	2018.5	Willowing Registration But 2022 Version [VII]
Delle	5	1988.5	1991 Family Health Survey [Others Direct]
	18	2018.5	WHO Vital Registration Data 2022 version [VR]
Donin			WITO VITAL REGISTRATION DATA 2022 VERSION [VK]
Benin	33	2015	1001 1000 Wald Fastility Communication DUC D
	5	1979	1981-1982 World Fertility Survey [Other DHS Direct]
	5	1994	1996 Demographic and Health Survey [DHS Direct]
	5	1998.5	2001 Demographic and Health Survey [DHS Direct]
	8	2004.5	2006 Demographic and Health Survey [DHS Direct]
	5	2011.5	2014 Multiple Indicator Cluster Survey [MICS Direct]
			Continued on next page

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	Table 21 – continued from previous page			
Country	# obs.	Most recent	Data series name [source type]	
	_	obs. year	2017 2010 D 1' 1H 1/1 C [DHCD' /]	
DI .	5	2015	2017-2018 Demographic and Health Survey [DHS Direct]	
Bhutan	3	1999.7	1004 B	
	1	1983.5	1984 Demographic Sample Survey [Others Direct]	
	1	1993.5	1994 National Health Survey [Others Direct]	
D 11 1 (D1 1	1	1999.7	2000 National Health Survey [Others Direct]	
Bolivia (Pluri-	30	2013.5		
national State				
of)	_	1006	1000 5	
	5	1986.5	1989 Demographic and Health Survey [DHS Direct]	
	5	1990.5	1993-1994 Demographic and Health Survey [DHS Direct]	
	5	1995.5	1998 Demographic and Health Survey [DHS Direct]	
	5	2000.5	2003 Demographic and Health Survey [DHS Direct]	
	5	2005.5	2008 Demographic and Health Survey [DHS Direct]	
	5	2013.5	2016 Demographic and Health Survey [Other DHS Direct]	
Bosnia and Herze-	25	2016.5		
govina				
	25	2016.5	2021 WHO Vital Registration Data 2022 version [VR]	
Botswana	11	2005.4		
	5	1985.5	1988 Family Health Survey [DHS Direct]	
	6	2005.4	2007 Family Health Survey [Others Direct]	
Brazil	10	1993.5		
	5	1983.5	1986 Demographic and Health Survey [DHS Direct]	
	5	1993.5	1996 Demographic and Health Survey [DHS Direct]	
British Virgin Is-	40	2008.5		
lands				
	40	2008.5	2019 UNPD Vital Registration Data 2019 version [VR]	
Brunei	63	2019.5		
	25	1978.5	UNPD Demographic Yearbook Data 2020 version [VR]	
	38	2019.5	WHO Vital Registration Data 2022 version [VR]	
Bulgaria	58	2021.5		
	58	2021.5	2021 WHO Vital Registration Data 2022 version [VR]	
Burkina Faso	23	2008.5		
	5	1989.5	1993 Demographic and Health Survey [DHS Direct]	
	6	1996.5	1998-1999 Demographic and Health Survey [DHS Direct]	
	5	2000.5	2003 Demographic and Health Survey [DHS Direct]	
	7	2008.5	2010 Demographic and Health Survey [DHS Direct]	
Burundi	15	2013.5		
	1	1970.5	1970 Demographic Survey [Others Direct]	
	5	1984.5	1987 Demographic and Health Survey [DHS Direct]	
	5	2007.5	2010-2011 Demographic and Health Survey [DHS Direct]	
	4	2013.5	2016-2017 Demographic and Health Survey [DHS Direct]	
Cambodia	22	2011.5		
	7	1998.5	2000 Demographic and Health Survey [DHS Direct]	
	5	2002.5	2005 Demographic and Health Survey [DHS Direct]	
	5	2007.5	2010 Demographic and Health Survey [DHS Direct]	
1	'		Continued on next page	

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	Table 21 – continued from previous page			
	#	Most		
Country	obs.	recent	Data series name [source type]	
	ons.	obs. year		
	5	2011.5	2014 Demographic and Health Survey [DHS Direct]	
Cameroon	31	2015.5		
	5	1975.5	1978 World Fertility Survey [Other DHS Direct]	
	5	1988.5	1991 Demographic and Health Survey [DHS Direct]	
	5	1995.5	1998 Demographic and Health Survey [DHS Direct]	
	6	2002	2004 Demographic and Health Survey [DHS Direct]	
	5	2008.5	2011 Demographic and Health Survey [DHS Direct]	
	5	2015.5	2018 Demographic and Health Survey [DHS Direct]	
Canada	71	2020.5		
	71	2020.5	2021 WHO Vital Registration Data 2022 version [VR]	
Cape Verde	32	2016.5		
	5	1995.5	1998 Demographic and Reproductive Health Survey [Others Direct]	
	1	2002.2	2005 Demographic and Health Survey [DHS Direct]	
	26	2016.5	WHO Vital Registration Data 2022 version [VR]	
Central African	10	2015.5	THE TIME TO GLOW AND A WAR A COLOR (TIL)	
Republic	10	2013.3		
перионе	5	1991.5	1994-1995 Demographic and Health Survey [DHS Direct]	
	5	2015.5	2018-2019 Multiple Indicator Cluster Survey [MICS Direct]	
Chad	16	2011.5	2010 2017 Watapie maleator cluster survey [Mics Breet]	
Ciluu	6	1994.5	1996-1997 Demographic and Health Survey [DHS Direct]	
	5	2001.5	2004 Demographic and Health Survey [DHS Direct]	
	5	2011.5	2014-2015 Demographic and Health Survey [DHS Direct]	
Chile	56	2011.5	2014-2013 Demographic and Hearth Survey [D113 Direct]	
Cilic	56	2015.5	2021 WHO Vital Registration Data 2022 version [VR]	
China	5	1986	2021 WHO Vital Registration Data 2022 Version [VR]	
Ciliia	5	1986	1988 National Survey on Fertility and Birth Control [Others Direct]	
Colombia	35	2012.5	1700 National Burvey on Tertificy and Birth Condition [Others Birect]	
Coloniola	5	1983.5	1986 Demographic and Health Survey [DHS Direct]	
	5	1987.5	1990 Demographic and Health Survey [DHS Direct]	
	5	1992.5	1995 Demographic and Health Survey [DHS Direct]	
	5	1992.5	2000 Demographic and Health Survey [DHS Direct]	
	5	2001.5	2005 Demographic and Health Survey [DHS Direct]	
	5	2001.5	2010 Demographic and Health Survey [DHS Direct]	
	5	2000.5	2015 Demographic and Health Survey [DHS Direct]	
Comoros	6	2012.5	2013 Demographic and Health Survey [DHS Direct]	
Comoros	5	1993.5	1996 Demographic and Health Survey [DHS Direct]	
	1	2017.5	2017 Census [Others Direct]	
Congo	10	2017.5	2017 Celisus [Oulers Direct]	
Collgo	5	2008.5	2005 Demographic and Health Survey [DHS Direct]	
	5	2002.3	2003 Demographic and Health Survey [DHS Direct] 2011-2012 Demographic and Health Survey [DHS Direct]	
Democratic Re-	10	2010.5	2011-2012 Demographic and Health Survey [DIIS Direct]	
public of the	10	2010.3		
•				
Congo	5	2004.5	2007 Damagraphia and Haalth Survey (DUS Direct)	
	5	2004.5	2007 Demographic and Health Survey [DHS Direct]	
Cools Islands		2010.5	2013-2014 Demographic and Health Survey [DHS Direct]	
Cook Islands	22	2009.5	Continued on next page	

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Table 21 – continued from previous page			
	#	Most	
Country	obs.	recent	Data series name [source type]
	ODS.	obs. year	
	22	2009.5	2021 WHO Vital Registration Data 2022 version [VR]
Costa Rica	71	2020.5	
	6	1955.5	UNPD Demographic Yearbook Data 2020 version [VR]
	65	2020.5	WHO Vital Registration Data 2022 version [VR]
Cote d'Ivoire	33	2013.5	
	1	1978.5	1978 Demographic Survey Repeated Passages [Others Direct]
	6	1978.5	1980-1981 World Fertility Survey [Other DHS Direct]
	6	1992	1994 Demographic and Health Survey [DHS Direct]
	5	1995.5	1998-1999 Demographic and Health Survey [DHS Direct]
	5	2002.5	2005 AIDS Indicator Survey [Other DHS Direct]
	5	2008.5	2011-2012 Demographic and Health Survey [DHS Direct]
	5	2013.5	2016 Multiple Indicator Cluster Survey [MICS Direct]
Croatia	39	2021.5	• • • • • • • • • • • • • • • • • • • •
	39	2021.5	2021 WHO Vital Registration Data 2022 version [VR]
Cuba	55	2020.5	
	55	2020.5	2021 WHO Vital Registration Data 2022 version [VR]
Cyprus	41	2020.5	5
71	41	2020.5	2021 WHO Vital Registration Data 2022 version [VR]
Czech Republic	39	2021.5	g t j
1	39	2021.5	2021 WHO Vital Registration Data 2022 version [VR]
Denmark	71	2021.5	
	71	2021.5	2021 WHO Vital Registration Data 2022 version [VR]
Djibouti	6	2010	
2 jie o wii	5	1999.5	2002 Pan Arab Project for Family Health Family Health Survey [Others
			Direct]
	1	2010	2012 Pan Arab Project for Family Health Family Health Survey [Others
			Direct]
Dominica	49	2015.5	
2 cililite	49	2015.5	2021 WHO Vital Registration Data 2022 version [VR]
Dominican Repub-	45	2016.5	2021 Willow Ham Foggiowanian Zum 2022 Volumen (111)
lic		2010.5	
	5	1972.5	1975 World Fertility Survey [Other DHS Direct]
	5	1983.5	1986 Demographic and Health Survey [DHS Direct]
	5	1988.5	1991 Demographic and Health Survey [DHS Direct]
	5	1993.5	1996 Demographic and Health Survey [DHS Direct]
	5	1999.5	2002 Demographic and Health Survey [DHS Direct]
	5	2004.5	2007 Demographic and Health Survey [DHS Direct]
	5	2010.5	2013 Demographic and Health Survey [DHS Direct]
	5	2011.5	2014 Multiple Indicator Cluster Survey [MICS Direct]
	5	2016.5	2019 Multiple Indicator Cluster Survey [MICS Direct]
Ecuador	30	2017.5	
	5	1976.5	1979-1980 World Fertility Survey [Other DHS Direct]
	5	1984.5	1987 Demographic and Health Survey [DHS Direct]
	3	1986.5	1989 Demographic and Maternal and Child Health Survey [Others Di-
		1,50.0	rect]
	I	I	Continued on next page

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	Table 21 – continued from previous page			
	#	Most		
Country	obs.	recent	Data series name [source type]	
	UDS.	obs. year		
	5	1996.5	1999 Demographic and Maternal and Child Health Survey [Others Di-	
			rect]	
	5	2001.5	2004 Demographic and Maternal and Child Health Survey [Others Di-	
			rect]	
	5	2009.5	2012 Encuesta Nacional de Salud y Nutricion, Imputed birth and deaths	
			[Others Direct]	
	2	2017.5	Adjusted Vital Registration (Live Births) [VR]	
Egypt	61	2011.5	7	
271	11	1979	1980 World Fertility Survey [Other DHS Direct]	
	6	1986	1988 Demographic and Health Survey [DHS Direct]	
	6	1989	1991 Pan Arab Project for Child Development Maternal and Child	
		1,0,	Health Survey [Others Direct]	
	5	1989.5	1992 Demographic and Health Survey [DHS Direct]	
	6	1993	1995 Demographic and Health Survey [DHS Direct]	
	1	1993	1997 Interim Demographic and Health Survey [Other DHS Direct]	
	1	1994	1998 Interim Demographic and Health Survey [Other DHS Direct]	
	5	1997.5	2000 Demographic and Health Survey [DHS Direct]	
	5	2000.5	2003 Demographic and Health Survey [Other DHS Direct]	
		2000.5		
	5		2005 Demographic and Health Survey [DHS Direct]	
	5	2005.5	2008 Demographic and Health Survey [DHS Direct]	
E1 C 1 1	5	2011.5	2014 Demographic and Health Survey [DHS Direct]	
El Salvador	8	2011.5	1000 M (* 1E * 1 H 14 C	
	1	1985.5	1988 National Family Health Survey [Others Direct]	
	1	1996	1998 National Family Health Survey [Others Direct]	
	1	1999.5	2002-2003 National Family Health Survey [Others Direct]	
	5	2011.5	2014 Multiple Indicator Cluster Survey [MICS Direct]	
Equatorial Guinea	1	2006.7		
	1	2006.7	2011 Demographic and Health Survey [DHS Direct]	
Eritrea	15	2007.5		
	4	1992.5	1995-1996 Demographic and Health Survey [DHS Direct]	
	5	1999.5	2002 Demographic and Health Survey [DHS Direct]	
	5	2007.5	2010 Population and Health Survey [Other DHS Direct]	
	1	2005	2010 Population and Health Survey (Preliminary) [Other DHS Direct]	
Estonia	40	2020.5		
	40	2020.5	2021 WHO Vital Registration Data 2022 version [VR]	
Ethiopia	22	2013.5		
_	1	1977.7	1981 Demographic Survey [Others Direct]	
	6	1998.5	2000 Demographic and Health Survey [DHS Direct]	
	5	2002.5	2005 Demographic and Health Survey [DHS Direct]	
	5	2007.5	2011 Demographic and Health Survey [DHS Direct]	
	5	2013.5	2016 Demographic and Health Survey [DHS Direct]	
Federated States of	_	7-2-10		
Micronesia				
Fiji	19	2019.5		
1 1/1	5	1971.5	1974 World Fertility Survey [Other DHS Direct]	
	, ,	17/1.3	17/7 HORGE CHARTY SHEVEY [OHICE DIES DIESCE]	

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	#	Most		
Country	obs.	recent	Data series name [source type]	
	UDS.	obs. year		
	14	2019.5	WHO Vital Registration Data 2022 version [VR]	
Finland	72	2021.5		
	2	1951.5	UNPD Demographic Yearbook Data 2020 version [VR]	
	70	2021.5	WHO Vital Registration Data 2022 version [VR]	
France	70	2019.5		
	70	2019.5	2021 WHO Vital Registration Data 2022 version [VR]	
Gabon	10	2009.5		
	5	1997.5	2000 Demographic and Health Survey [DHS Direct]	
	5	2009.5	2012 Demographic and Health Survey [DHS Direct]	
The Gambia	10	2016.5		
	5	2015.5	2018 Multiple Indicator Cluster Survey [MICS Direct]	
	5	2016.5	2019-2020 Demographic and Health Survey [DHS Direct]	
Georgia	10	2002.5		
	5	1996.5	1999-2000 Reproductive Health Survey [Others Direct]	
	5	2002.5	2005 Reproductive Health Survey [Others Direct]	
Germany	52	2021.5		
J	52	2021.5	2021 WHO Vital Registration Data 2022 version [VR]	
Ghana	46	2014.5		
	5	1985.5	1988 Demographic and Health Survey [DHS Direct]	
	5	1990.5	1993-1994 Demographic and Health Survey [DHS Direct]	
	5	1995.5	1998-1999 Demographic and Health Survey [DHS Direct]	
	5	2000.5	2003 Demographic and Health Survey [DHS Direct]	
	1	2002	2007 Maternal Health Survey [Other DHS Direct]	
	5	2005.5	2008 Demographic and Health Survey [DHS Direct]	
	5	2008.5	2011 Multiple Indicator Cluster Survey [MICS Direct]	
	5	2011.5	2014 Demographic and Health Survey [DHS Direct]	
	5	2014.5	2017 Maternal Health Survey [Other DHS Direct]	
	5	2014.5	2017-2018 Multiple Indicator Cluster Survey [MICS Direct]	
Greece	65	2020.5	2017 2010 Manapar Maround Consort Survey [Maroo 2 11000]	
Greece	65	2020.5	2021 WHO Vital Registration Data 2022 version [VR]	
Grenada	56	2020.5	2021 Wile Vital Registration Bata 2022 Version [VR]	
Grenada	21	1978.5	UNPD Demographic Yearbook Data 2020 version [VR]	
	35	2020.5	WHO Vital Registration Data 2022 version [VR]	
Guatemala	21	2011.5	WITO VIAIL REGISTRATION Data 2022 VOISION [VIX]	
Jamoinaia	5	1984.5	1987 Demographic and Health Survey [DHS Direct]	
	4	1992.5	1995 Demographic and Health Survey [DHS Direct]	
	5	1995.5	1998-1999 Demographic and Health Survey [Other DHS Direct]	
	1	1996.5	2002 Reproductive Health Survey-CDC [Others Direct]	
	1	2003.8	2008-2009 Encuesta Nacional de Salud Materno Infantil (ENSMI) [Oth-	
	1	2005.0	ers Direct]	
	5	2011.5	2014-2015 Demographic and Health Survey [DHS Direct]	
Guinea	23	2010.5	201. 2010 Demographic and Heatin Survey [DHS Direct]	
Junica	1	1955	1954-1955 Survey [Others Direct]	
	1	1933	1992 Demographic and Health Survey [DHS Direct]	
	7	1987.8	1992 Demographic and Health Survey [DHS Direct]	
	5	2002.5	2005 Demographic and Health Survey [DHS Direct]	
	3	2002.3	Continued on next page	

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	#	Most	
Country	obs.	recent	Data series name [source type]
		obs. year	
	5	2009.5	2012 Demographic and Health Survey [DHS Direct]
	4	2010.5	2018 Demographic and Health Survey [DHS Direct]
Guinea-Bissau	10	2011.5	
	5	2007.5	2010 Multiple Indicator Cluster Survey [MICS Direct]
	5	2011.5	2014 Multiple Indicator Cluster Survey [MICS Direct]
Guyana	20	2011.5	
	5	1972.5	1975 World Fertility Survey [Other DHS Direct]
	5	2002.5	2005 AIDS Indicator Survey [Other DHS Direct]
	5	2006.5	2009 Demographic and Health Survey [DHS Direct]
	5	2011.5	2014 Multiple Indicator Cluster Survey [MICS Direct]
Haiti	30	2013.5	
	4	1974.5	1977 World Fertility Survey [Other DHS Direct]
	1	1984.5	1987 Mortality, morbidity and service utilization survey [Others Direct]
	5	1991.5	1994-1995 Demographic and Health Survey [DHS Direct]
	5	1997.5	2000 Demographic and Health Survey [DHS Direct]
	5	2002.5	2005-2006 Demographic and Health Survey [DHS Direct]
	5	2009.5	2012 Demographic and Health Survey [DHS Direct]
	5	2013.5	2016-2017 Demographic and Health Survey [DHS Direct]
Honduras	17	2016.5	
	1	1971.5	1972 National Demographic Survey [Others Direct]
	2	1979	1987 National Survey of Epidemiology and Family Health [Others Di-
			rect]
	5	2002.5	2005-2006 Demographic and Health Survey [DHS Direct]
	4	2008.5	2011-2012 Demographic and Health Survey [DHS Direct]
	5	2016.5	2019 Multiple Indicator Cluster Survey [MICS Direct]
Hungary	71	2020.5	7 7 7
	5	1954.5	UNPD Demographic Yearbook Data 2020 version [VR]
	66	2020.5	WHO Vital Registration Data 2022 version [VR]
Iceland	72	2021.5	<u> </u>
	1	1950.5	UNPD Demographic Yearbook Data 2020 version [VR]
	71	2021.5	WHO Vital Registration Data 2022 version [VR]
India	98	2020.5	
	22	1991.5	1992-1993 Demographic and Health Survey [DHS Direct]
	12	1997	1998-1999 Demographic and Health Survey [DHS Direct]
	12	2004	2005-2006 Demographic and Health Survey [DHS Direct]
	21	1989.5	Sample Registration System [VR]
	22	2011.5	Sample Registration System [VR]
	1	2012.5	Sample Registration System [VR]
	1	2013.5	Sample Registration System [VR]
	2	2015.5	Sample Registration System [VR]
	1	2017.5	Sample Registration System [VR]
	1	2017.5	Sample Registration System [VR]
	1	2019.5	Sample Registration System [VR]
	1	2020.5	Sample Registration System [VR]
	1	2016.5	Sample Registration System [VR] Sample Registration System Statistical Report [VR]
Indonesia	44	2010.5	Sample Registration System Statistical Report [VR]
madnesia	7-1	2017.3	Continued on next nego

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	#	Most		
Country	obs.	recent	Data series name [source type]	
	ODS.	obs. year		
	6	1974	1976 World Fertility Survey [Other DHS Direct]	
	6	1985	1987 Demographic and Health Survey [DHS Direct]	
	5	1989.5	1991 Demographic and Health Survey [DHS Direct]	
	5	1991.5	1994 Demographic and Health Survey [DHS Direct]	
	5	1994.5	1997 Demographic and Health Survey [DHS Direct]	
	5	1999.5	2002-2003 Demographic and Health Survey [DHS Direct]	
	4	1999.5	2007 Demographic and Health Survey [DHS Direct]	
	4	2009.5	2012 Demographic and Health Survey [DHS Direct]	
	4	2014.5	2017 Demographic and Health Survey [DHS Direct]	
Iran (Islamic Re-	28	2008.5		
public of)				
,	1	1974.5	1973-1976 Population Growth Survey [Others Direct]	
	26	2000	2000 Demographic and Health Survey [Other DHS Direct]	
	1	2008.5	2010 National Multiple-Indicator Demographic and Health Survey	
			[Other DHS Direct]	
Iraq	14	2008.5		
1	1	1973.5	1973 Demographic Sample Survey and Sample Registration System	
			[Others Direct]	
	3	2001	2004 Living Conditions Survey [Others Direct]	
	5	2003.5	2006 Multiple Indicator Cluster Survey [MICS Direct]	
	5	2008.5	2011 Multiple Indicator Cluster Survey [MICS Direct]	
Ireland	69	2018.5	2011 Manapie indicator Glaster Sarvey [Mico Bricet]	
Helana	69	2018.5	2021 WHO Vital Registration Data 2022 version [VR]	
Israel	69	2021.5	2021 Willo Vital Registration Data 2022 Version [VIV]	
Israel	22	1974.5	UNPD Demographic Yearbook Data 2020 version [VR]	
	47	2021.5	WHO Vital Registration Data 2022 version [VR]	
Italy	70	2020.5	WHO That Registration Data 2022 Version [VR]	
itary	70	2020.5	2021 WHO Vital Registration Data 2022 version [VR]	
Jamaica	11	2005.5	2021 WHO Vital Registration Data 2022 Version [VR]	
Jamaica	5	1972.5	1975-1976 World Fertility Survey [Other DHS Direct]	
	$\begin{vmatrix} 3 \\ 6 \end{vmatrix}$	2005.5	2008-2009 Reproductive Health Survey [Others Direct]	
Japan	71	2003.5	2000-2009 Reproductive Health Survey [Others Direct]	
Japan	71	2021.5	2021 WHO Vital Registration Data 2022 version [VR]	
Jordan	35	2014.5	2021 WHO VItal Registration Data 2022 Version [VR]	
Joidan		1973.5	1076 World Fartility Survey [Other DUS Direct]	
	5 5	1973.5	1976 World Fertility Survey [Other DHS Direct]	
			1990 Demographic and Health Survey [DHS Direct]	
	5	1994.5	1997 Demographic and Health Survey [DHS Direct]	
	5	1999.5	2002 Demographic and Health Survey [DHS Direct]	
	5	2004.5	2007 Demographic and Health Survey [DHS Direct]	
	5	2009.5	2012 Demographic and Health Survey [DHS Direct]	
IZ 1.1	5	2014.5	2017 Demographic and Health Survey [DHS Direct]	
Kazakhstan	10	1996.5	1005 D 1' 111 11 0 EDITO D' 1	
	5	1992.5	1995 Demographic and Health Survey [DHS Direct]	
T7	5	1996.5	1999 Demographic and Health Survey [DHS Direct]	
Kenya	37	2019.2	1077 1070 W 11F (1), G 104 DIG 5	
	6	1976	1977-1978 World Fertility Survey [Other DHS Direct]	

Table 21 – continued from previous page

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	#	Most	
Country	obs.	recent	Data series name [source type]
	005.	obs. year	
	5	1985.5	1989 Demographic and Health Survey [DHS Direct]
	5	1990.5	1993 Demographic and Health Survey [DHS Direct]
	5	1995.5	1998 Demographic and Health Survey [DHS Direct]
	5	2000.5	2003 Demographic and Health Survey [DHS Direct]
	5	2005.5	2008-2009 Demographic and Health Survey [DHS Direct]
	5	2011.5	2014 Demographic and Health Survey [DHS Direct]
	$\begin{bmatrix} 1 \\ 1 \end{bmatrix}$	2019.2	2019 Census [Others Direct]
Kiribati	1	2017.2	2017 Census [Others Direct]
Democratic Peo-			
ple's Republic of Korea			
	26	2021 5	
Republic of Korea	26	2021.5	1074 W. 11 F. d'l' (Comme [Other DHC D') (d)
	5	1971.5	1974 World Fertility Survey [Other DHS Direct]
***	21	2021.5	WHO Vital Registration Data 2022 version [VR]
Kosovo	12	2019.5	
	5	2010.5	2013-2014 Multiple Indicator Cluster Survey [MICS Direct]
	5	2016.5	2019-2020 Multiple Indicator Cluster Survey [MICS Direct]
Kuwait	44	2019.5	
	44	2019.5	2021 WHO Vital Registration Data 2022 version [VR]
Kyrgyzstan	19	2015.5	
	4	1994.5	1997 Demographic and Health Survey [DHS Direct]
	5	2009.5	2012 Demographic and Health Survey [DHS Direct]
	5	2011.5	2014 Multiple Indicator Cluster Survey [MICS Direct]
	5	2015.5	2018 Multiple Indicator Cluster Survey [MICS Direct]
Lao People's	11	2008.5	
Democratic Re-			
public			
1	1	1989.5	1994 Fertility and Birth Spacing Survey [Others Direct]
	5	2002.5	2005 Reproductive Health Survey [Others Direct]
	5	2008.5	2012 Lao Social Indicator Survey (combined Multiple Indicator Cluster
			Survey4/Demographic and Health Survey) [DHS Direct]
Latvia	42	2021.5	,
	42	2021.5	2021 WHO Vital Registration Data 2022 version [VR]
Lebanon	5	2002	
Lounon	5	2002	2004 Pan Arab Project for Family Health Family Health Survey [Others
		2002	Direct]
Lesotho	26	2016.3	DION;
Lesonio	5	1974.5	1977 World Fertility Survey [Other DHS Direct]
	5	2001.5	2004 Demographic and Health Survey [DHS Direct]
	5	2001.5	2004 Demographic and Health Survey [DHS Direct]
	5	2006.5	
			2014 Demographic and Health Survey [DHS Direct]
	1	2016.3	2016 Census [Others Direct]
T 11	5	2015.5	2018 Multiple Indicator Cluster Survey [MICS Direct]
Liberia	26	2016.5	1000 D 11 111 11 0 EDITO D
	6	1984	1986 Demographic and Health Survey [DHS Direct]
	5	2003.5	2006-2007 Demographic and Health Survey [DHS Direct]

Table 21 – continued from previous page

Country	Table 21 – continued from previous page			
Data series name Source type Sobs. year Sobs. year Source Sobs. year Source Sobs. year Source Source		#	Most	
Solution	Country		recent	Data series name [source type]
S 2010.5 2016.5 2019.2020 Demographic and Health Survey [DHS Direct] 2019-2020 Demographic and Health Survey [DHS Direct] 2019-2020 Demographic and Health Survey [DHS Direct] 5 1992.5 1995 Pan Arab Project for Child Development Maternal and Child Health Survey [Others Direct] 5 2005 2007 Pan Arab Project for Family Health Family Health Survey [Others Direct] 1 1901.5 2021 WHO Vital Registration Data 2022 version [VR] 1 1961.5 2019.		UDS.	obs. year	
S 2016.5 2019-2020 Demographic and Health Survey [DHS Direct]		5	2005.5	2008-2009 Malaria Indicator Survey [Other DHS Direct]
Libya		5	2010.5	2013 Demographic and Health Survey [DHS Direct]
Libya		5	2016.5	2019-2020 Demographic and Health Survey [DHS Direct]
S	Libya	10	2005	
Health Survey [Others Direct] 2007 Pan Arab Project for Family Health Family Health Survey [Others Direct] 2007 Pan Arab Project for Family Health Family Health Survey [Others Direct] 54 2021.5 2021 WHO Vital Registration Data 2022 version [VR] 10 1959.5 UNPD Demographic Yearbook Data 2020 version [VR] 1961.5 WHO Good Vital Registration Data 2018 version [VR] WHO Vital Registration Data 2018 version [VR] WHO Vital Registration Data 2018 version [VR] WHO Vital Registration Data 2022 version [VR] WHO VITAL REGISTANCE WHO VITAL REGISTAN	,			1995 Pan Arab Project for Child Development Maternal and Child
S				1
Direct Direct Direct Direct		5	2005	•
Lithuania				
Luxembourg	Lithuania	54	2021.5	•
Luxembourg				2021 WHO Vital Registration Data 2022 version [VR]
10	Luxembourg			2021 Hillo Ham Hogistianion 2 am 2022 Holston [Hil]
1	Luxemoouig			LINPD Demographic Yearbook Data 2020 version [VR]
Macedonia 39 2020.5				
Macedonia 39 2020.5 2021 WHO Vital Registration Data 2022 version [VR] Madagascar 26 2015.5 5 1989.5 1992 Demographic and Health Survey [DHS Direct] 5 2000.5 2003-2004 Demographic and Health Survey [DHS Direct] 5 2005.5 2008-2009 Demographic and Health Survey [DHS Direct] 6 2005.4 2012-2013 National Survey on Monitoring the MDGs (ENSOMD) IDHS Direct] 5 2015.5 2018 Multiple Indicator Cluster Survey [MICS Direct] Malawi 47 2016.5 1998.5 1998 Population Change Survey [Others Direct] 5 1989.5 1992 Demographic and Health Survey [DHS Direct] 2000 Demographic and Health Survey [DHS Direct] 6 1989.5 1992 Demographic and Health Survey [DHS Direct] 2004 Demographic and Health Survey [DHS Direct] 8 1999 2000 Demographic and Health Survey [DHS Direct] 2004 Demographic and Health Survey [DHS Direct] 5 2001.5 2013-2014 MDG Endline Survey [MICS Direct] 2013-2015 Direct] 5 2016.5 2019-2020 Multiple Indicator Cluster Survey [MICS Direct] 6 2016.5 <th< td=""><td></td><td></td><td></td><td></td></th<>				
Madagascar 26	Macedonia			WHO With Registration Data 2022 Version [VR]
Madagascar	Waccdoma			2021 WHO Vital Pagistration Data 2022 version [VP]
5	Modogocor			2021 WITO VItal Registration Data 2022 Version [VR]
5	Madagascai			1002 Damagraphia and Haalth Survey [DUS Direct]
5				, , , , , , , , , , , , , , , , , , , ,
S 2005.5 2008-2009 Demographic and Health Survey [DHS Direct] 2015.4 2012-2013 National Survey on Monitoring the MDGs (ENSOMD) [DHS Direct] 2018 Multiple Indicator Cluster Survey [MICS Direct] 1 1971 1970 Population Change Survey [Others Direct] 1 1983.5 1984 Family Formation Survey [Others Direct] 1 1983.5 1989.5 1992 Demographic and Health Survey [DHS Direct] 5 2001.5 2004 Demographic and Health Survey [DHS Direct] 7 2004.5 2006 Multiple Indicator Cluster Survey [MICS Direct] 5 2010.5 2010 Demographic and Health Survey [DHS Direct] 5 2010.5 2013-2014 MDG Endline Survey [MICS Direct] 5 2016.5 2015-2016 Demographic and Health Survey [DHS Direct] 5 2016.5 2019-2020 Multiple Indicator Cluster Survey [MICS Direct] 2019-2020 Multiple Indicator Cluster Survey [MICS Direct] 2019-2020 Multiple Indicator Cluster Survey [MICS Direct] 2015.5				, , ,
1 2005.4 2012-2013 National Survey on Monitoring the MDGs (ENSOMD) [DHS Direct] 5 2015.5 2018 Multiple Indicator Cluster Survey [MICS Direct] 1 1971 1970 Population Change Survey [Others Direct] 1 1983.5 1984 Family Formation Survey [Others Direct] 1 1983.5 1984 Family Formation Survey [Others Direct] 5 1989.5 1992 Demographic and Health Survey [DHS Direct] 5 2001.5 2000 Demographic and Health Survey [DHS Direct] 7 2004.5 2006 Multiple Indicator Cluster Survey [MICS Direct] 5 2010.5 2010 Demographic and Health Survey [DHS Direct] 5 2012.5 2013-2014 MDG Endline Survey [MICS Direct] 5 2016.5 2015-2016 Demographic and Health Survey [DHS Direct] 5 2016.5 2019-2020 Multiple Indicator Cluster Survey [MICS Direct] 5 2015.5 Vital Statistics [VR] 1 2013.5 Vital Statistics [VR] 2 2015.5 Vital Statistics [VR] 2 2015.5 Vital Statistics [VR] 5 2006.5 2009 Demographic and Health Survey [DHS Direct] 5 2006.5 2009 Demographic and Health Survey [DHS Direct] 5 2013.5 2016-2017 Demographic and Health Survey [DHS Direct] 5 2013.5 2016-2017 Demographic and Health Survey [DHS Direct] 5 2020.5 WHO Vital Registration Data 2022 version [VR] Mali				, , , , , , , , , , , , , , , , , , , ,
DHS Direct 2015.5 2018 Multiple Indicator Cluster Survey [MICS Direct Malawi 47 2016.5 1 1971 1970 Population Change Survey [Others Direct 1 1983.5 1984 Family Formation Survey [Others Direct 5 1989.5 1992 Demographic and Health Survey [DHS Direct 8 1999 2000 Demographic and Health Survey [DHS Direct 7 2004.5 2004 Demographic and Health Survey [DHS Direct 5 2007.5 2010 Demographic and Health Survey [MICS Direct 5 2010.5 2013-2014 MDG Endline Survey [MICS Direct 5 2012.5 2015-2016 Demographic and Health Survey [DHS Direct 5 2016.5 2019-2020 Multiple Indicator Cluster Survey [MICS Direct 5 2015.5 2015-2016 Demographic and Health Survey [DHS Direct 7 2015.5 2015-2016 Demographic and Health Survey [MICS Direct 7 2015.5 2015-2016 Demographic Survey [MICS Direct 7 2015.5 2015-2016 Demographic Survey [MICS Direct 2015.5 2015-2016 Demographic Survey [DHS Direct 2015.5 2015-2016 Demographic Survey [DHS Direct 201				
Malawi 47 2016.5 1 1971 1970 Population Change Survey [Others Direct] 1 1983.5 1984 Family Formation Survey [Others Direct] 5 1989.5 1992 Demographic and Health Survey [DHS Direct] 8 1999 2000 Demographic and Health Survey [DHS Direct] 7 2004.5 2004 Demographic and Health Survey [DHS Direct] 5 2007.5 2010 Demographic and Health Survey [DHS Direct] 5 2010.5 2013-2014 MDG Endline Survey [MICS Direct] 5 2012.5 2015-2016 Demographic and Health Survey [DHS Direct] 5 2012.5 2015-2016 Demographic and Health Survey [MICS Direct] 5 2015.5 2019-2020 Multiple Indicator Cluster Survey [MICS Direct] Malaysia 5 2015.5 Vital Statistics [VR] 2 1 2013.5 Vital Statistics [VR] Maldives 26 2020.5 1 1998 1997 Poverty and Vulnerability Survey [Others Direct] 5 2013.5 2016-2017 Demographic and Health Survey [DHS Direct] 5 2020.5 <t< td=""><td></td><td>1</td><td>2005.4</td><td></td></t<>		1	2005.4	
Malawi 47 2016.5 1 1971 1970 Population Change Survey [Others Direct] 1 1983.5 1984 Family Formation Survey [Others Direct] 5 1989.5 1992 Demographic and Health Survey [DHS Direct] 8 1999 2000 Demographic and Health Survey [DHS Direct] 5 2001.5 2004 Demographic and Health Survey [MICS Direct] 6 2007.5 2010 Demographic and Health Survey [DHS Direct] 5 2010.5 2013-2014 MDG Endline Survey [MICS Direct] 5 2012.5 2015-2016 Demographic and Health Survey [DHS Direct] 5 2016.5 2019-2020 Multiple Indicator Cluster Survey [MICS Direct] Malaysia 5 2015.5 2 2015.5 Vital Statistics [VR] 1 2013.5 Vital Statistics [VR] Maldives 26 2020.5 1 1998 1997 Poverty and Vulnerability Survey [Others Direct] 5 2013.5 2016-2017 Demographic and Health Survey [DHS Direct] 5 2013.5 2016-2017 Demographic and Health Survey [DHS Direct] 5 <t< td=""><td></td><td>_</td><td>2015.5</td><td></td></t<>		_	2015.5	
1	361			2018 Multiple Indicator Cluster Survey [MICS Direct]
1	Malawi			1070 7 1 2 61 6 7 101 7 1
5				,
8				· · · · · · · · · · · · · · · · · · ·
5 2001.5 2004 Demographic and Health Survey [DHS Direct] 7 2004.5 2006 Multiple Indicator Cluster Survey [MICS Direct] 5 2007.5 2010 Demographic and Health Survey [DHS Direct] 5 2010.5 2013-2014 MDG Endline Survey [MICS Direct] 5 2012.5 2015-2016 Demographic and Health Survey [DHS Direct] 5 2016.5 2019-2020 Multiple Indicator Cluster Survey [MICS Direct] 1 2013.5 Vital Statistics [VR] 2 2015.5 Vital Statistics [VR] 2 2015.5 Vital Statistics [VR] 2 2015.5 Vital Statistics [VR] 1 1998 1997 Poverty and Vulnerability Survey [Others Direct] 5 2006.5 2009 Demographic and Health Survey [DHS Direct] 5 2013.5 2016-2017 Demographic and Health Survey [DHS Direct] 15 2020.5 WHO Vital Registration Data 2022 version [VR] Mali 38 2015.5 2015.5 2016-2017 Demographic Data 2022 version [VR] 2016-2015				, , , , , , , , , , , , , , , , , , , ,
7 2004.5 2006 Multiple Indicator Cluster Survey [MICS Direct] 5 2007.5 2010 Demographic and Health Survey [DHS Direct] 5 2010.5 2013-2014 MDG Endline Survey [MICS Direct] 5 2012.5 2015-2016 Demographic and Health Survey [DHS Direct] 5 2016.5 2019-2020 Multiple Indicator Cluster Survey [MICS Direct] Malaysia 5 2015.5 2015.5 Vital Statistics [VR] 1 2013.5 Vital Statistics [VR] 2 2015.5 Vital Statistics [VR] 2 2015.5 Vital Statistics [VR]				
5 2007.5 2010 Demographic and Health Survey [DHS Direct] 5 2010.5 2013-2014 MDG Endline Survey [MICS Direct] 5 2012.5 2015-2016 Demographic and Health Survey [DHS Direct] 5 2016.5 2019-2020 Multiple Indicator Cluster Survey [MICS Direct] Malaysia				, , , , , , , , , , , , , , , , , , , ,
5 2010.5 2013-2014 MDG Endline Survey [MICS Direct] 5 2012.5 2015-2016 Demographic and Health Survey [DHS Direct] 5 2016.5 2019-2020 Multiple Indicator Cluster Survey [MICS Direct] Malaysia 5 2015.5 2 2012.5 Vital Statistics [VR] 1 2013.5 Vital Statistics [VR] 2 2015.5 Vital Statistics [VR] 2 2015.5 Vital Statistics [VR] 2 2015.5 Vital Statistics [VR] 2 2015.5 Vital Statistics [VR] 2 2015.5 Vital Statistics [VR] 2 2015.5 Vital Statistics [VR] 2 2015.5 2006.5 2009 Demographic and Health Survey [DHS Direct] 5 2013.5 2016-2017 Demographic and Health Survey [DHS Direct] 15 2020.5 WHO Vital Registration Data 2022 version [VR] Mali 38 2015.5 2015.5 2015.5 2015				1
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Malaysia 5 2016.5 2019-2020 Multiple Indicator Cluster Survey [MICS Direct] Malaysia 5 2015.5 Vital Statistics [VR] 1 2013.5 Vital Statistics [VR] 2 2015.5 Vital Statistics [VR] Maldives 26 2020.5 1 1998 1997 Poverty and Vulnerability Survey [Others Direct] 5 2006.5 2009 Demographic and Health Survey [DHS Direct] 5 2013.5 2016-2017 Demographic and Health Survey [DHS Direct] 15 2020.5 WHO Vital Registration Data 2022 version [VR] Mali 38 2015.5				·
Malaysia 5 2015.5 2 2012.5 Vital Statistics [VR] 1 2013.5 Vital Statistics [VR] 2 2015.5 Vital Statistics [VR] Maldives 26 2020.5 1 1998 1997 Poverty and Vulnerability Survey [Others Direct] 5 2006.5 2009 Demographic and Health Survey [DHS Direct] 5 2013.5 2016-2017 Demographic and Health Survey [DHS Direct] 15 2020.5 WHO Vital Registration Data 2022 version [VR] Mali 38 2015.5				, , , , , , , , , , , , , , , , , , , ,
2 2012.5 Vital Statistics [VR] 1 2013.5 Vital Statistics [VR] 2 2015.5 Vital Statistics [VR] 2 2020.5 1 1998 1997 Poverty and Vulnerability Survey [Others Direct] 5 2006.5 2009 Demographic and Health Survey [DHS Direct] 5 2013.5 2016-2017 Demographic and Health Survey [DHS Direct] 15 2020.5 WHO Vital Registration Data 2022 version [VR] Mali 38 2015.5				2019-2020 Multiple Indicator Cluster Survey [MICS Direct]
1 2013.5 Vital Statistics [VR] 2 2015.5 Vital Statistics [VR] Maldives 26 2020.5 1 1998 1997 Poverty and Vulnerability Survey [Others Direct] 5 2006.5 2009 Demographic and Health Survey [DHS Direct] 5 2013.5 2016-2017 Demographic and Health Survey [DHS Direct] 15 2020.5 WHO Vital Registration Data 2022 version [VR] Mali 38 2015.5	Malaysia			
Maldives Vital Statistics [VR] 1 1998 1997 Poverty and Vulnerability Survey [Others Direct] 5 2006.5 2009 Demographic and Health Survey [DHS Direct] 5 2013.5 2016-2017 Demographic and Health Survey [DHS Direct] 15 2020.5 WHO Vital Registration Data 2022 version [VR] Mali 38 2015.5		2	2012.5	Vital Statistics [VR]
Maldives 26 2020.5 1 1998 1997 Poverty and Vulnerability Survey [Others Direct] 5 2006.5 2009 Demographic and Health Survey [DHS Direct] 5 2013.5 2016-2017 Demographic and Health Survey [DHS Direct] 15 2020.5 WHO Vital Registration Data 2022 version [VR] Mali 38 2015.5				
1 1998 1997 Poverty and Vulnerability Survey [Others Direct] 5 2006.5 2009 Demographic and Health Survey [DHS Direct] 5 2013.5 2016-2017 Demographic and Health Survey [DHS Direct] 15 2020.5 WHO Vital Registration Data 2022 version [VR] Mali 38 2015.5		2		Vital Statistics [VR]
5 2006.5 2009 Demographic and Health Survey [DHS Direct] 5 2013.5 2016-2017 Demographic and Health Survey [DHS Direct] 15 2020.5 WHO Vital Registration Data 2022 version [VR] Mali 38 2015.5	Maldives	26		
5 2013.5 2016-2017 Demographic and Health Survey [DHS Direct] 15 2020.5 WHO Vital Registration Data 2022 version [VR] Mali 38 2015.5		1	1998	
15 2020.5 WHO Vital Registration Data 2022 version [VR] Mali 38 2015.5		5	2006.5	, , ,
Mali 38 2015.5		5	2013.5	2016-2017 Demographic and Health Survey [DHS Direct]
		15	2020.5	WHO Vital Registration Data 2022 version [VR]
5 1984.5 1987 Demographic and Health Survey [DHS Direct]	Mali	38	2015.5	
		5	1984.5	1987 Demographic and Health Survey [DHS Direct]

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Table 21 – continued from previous page			
# obs.	Most recent obs. year	Data series name [source type]	
10	1994	1995-1996 Demographic and Health Survey [DHS Direct]	
10	2000	2001 Demographic and Health Survey [DHS Direct]	
8	2004.5	2006 Demographic and Health Survey [DHS Direct]	
5	2015.5	2018 Demographic and Health Survey [DHS Direct]	
67	2021.5		
67	2021.5	2021 WHO Vital Registration Data 2022 version [VR]	
2	2010.8		
1	2002.1	2007 Demographic and Health Survey [Other DHS Direct]	
1	2010.8	2011 Census [Others Direct]	
25	2016.5		
5	1979	1981-1982 World Fertility Survey [Other DHS Direct]	
3	1985	1990 Maternal and Child Health Survey [Others Direct]	
5	1997.5	2000-2001 Demographic and Health Survey [DHS Direct]	
1	1998.9	2003-2004 EMIP survey [Others Direct]	
1	2012.8	2013 Census [Others Direct]	
5	2012.5	2015 Multiple Indicator Cluster Survey [MICS Direct]	
5	2016.5	2019-2021 Demographic and Health Survey [DHS Direct]	
70	2020.5		
6	1956.5	UNPD Demographic Yearbook Data 2020 version [VR]	
64	2020.5	WHO Vital Registration Data 2022 version [VR]	
21	2016.5		
5	1984.5	1987 Demographic and Health Survey [DHS Direct]	
5	2015.5	2018 Encuesta Nacional de la Dinamica Demografica (ENADID) [Oth-	
		ers Direct]	
		Vital Registration Data From Mexico Ministry Of Health [VR]	
10	2009.5		
5	2002.5	2005 Demographic and Health Survey [DHS Direct]	
5	2009.5	2012 Multiple Indicator Cluster Survey [MICS Direct]	
22	2011.5		
22		2018 WHO Vital Registration Data 2018 version neighbouring [VR]	
16	2019.5		
1	1993	1998 Reproductive Health Survey [Others Direct]	
		2013-2014 Multiple Indicator Cluster Survey [MICS Direct]	
		WHO Vital Registration Data 2022 version [VR]	
		2021 WHO Vital Registration Data 2022 version [VR]	
		2019 UNPD Vital Registration Data 2019 version [VR]	
		ACCOUNT THE CITY OF THE COLUMN TO THE COLUMN	
1		1980 World Fertility Survey [Other DHS Direct]	
		1987 Demographic and Health Survey [DHS Direct]	
		1992 Demographic and Health Survey [DHS Direct]	
		1995 Demographic and Health Survey [DHS Direct]	
1		1997 PAPG ENSME petit-echantillon 1997 [Others Direct]	
5	2000.5	2003-2004 Demographic and Health Survey [DHS Direct]	
	0bs. 10 10 8 5 67 67 2 1 1 25 5 3 5 1 1 5 70 6 64 21 5 5 11 10 5 22 22 16	# Most recent obs. year 10 1994 10 2000 8 2004.5 5 2015.5 67 2021.5 67 2021.5 2 2010.8 1 2002.1 1 2010.8 25 2016.5 5 1979 3 1985 5 1997.5 1 1998.9 1 2012.8 5 2012.5 5 2016.5 70 2020.5 6 1956.5 64 2020.5 21 2016.5 5 1984.5 5 2015.5 11 2016.5 10 2009.5 11 2016.5 10 2009.5 22 2011.5 10 2009.5 11 1993 11 1994	

Table 21 – continued from previous page

Table 21 – continued from previous page			
~	#	Most	
Country	obs.	recent	Data series name [source type]
	UDS.	obs. year	
	1	2015.5	2018 National Survey of Population and Family Health [Others Direct]
Mozambique	25	2008.5	
	7	2001.5	2003-2004 Demographic and Health Survey [DHS Direct]
	13	2006.5	2008 Multiple Indicator Cluster Survey [MICS Direct]
	5	2008.5	2011 Demographic and Health Survey [DHS Direct]
Myanmar	10	2012.5	
•	2	1985.5	1991 Population Change and Fertility Survey [Others Direct]
	1	1992	1997 Fertility and Reproductive Health Survey [Others Direct]
	1	1996	2001 Fertility and Reproductive Health Survey [Others Direct]
	1	2001	2007 Fertility and Reproductive Health Survey [Others Direct]
	5	2012.5	2015-2016 Demographic and Health Survey [DHS Direct]
Namibia	20	2010.5	
	5	1989.5	1992 Demographic and Health Survey [DHS Direct]
	5	1997.5	2000 Demographic and Health Survey [DHS Direct]
	5	2003.5	2006-2007 Demographic and Health Survey [DHS Direct]
	5	2010.5	2013 Demographic and Health Survey [DHS Direct]
Nauru		2010.0	2013 Demographic and Headin Survey (2013 Direct)
Nepal	44	2016.5	
тюриг	7	1974.5	1976 World Fertility Survey [Other DHS Direct]
	1	1986	1991 Fertility and Family Planning Survey [Others Direct]
	6	1994	1996 Demographic and Health Survey [DHS Direct]
	5	1998.5	2001 Demographic and Health Survey [DHS Direct]
	5	2003.5	2006 Demographic and Health Survey [DHS Direct]
	5	2003.5	2011 Demographic and Health Survey [DHS Direct]
	5	2008.5	2011 Demographic and recault survey [DHS Direct] 2014 Multiple Indicator Cluster Survey [MICS Direct]
	5	2011.5	2014 Multiple indicator Cluster Survey [MICS Direct] 2016 Demographic and Health Survey [DHS Direct]
	5	2015.5	2019 Multiple Indicator Cluster Survey [MICS Direct]
Netherlands	72		2019 Muniple indicator Cluster Survey [MICS Direct]
Netherlands		2021.5	2021 WHO Vital Designation Data 2022 seguing [VD]
N 7 1 1	72	2021.5	2021 WHO Vital Registration Data 2022 version [VR]
New Zealand	67	2016.5	2021 WHIO VI. 1 D. 1 4 4 7 D. 4 2022
NT'	67	2016.5	2021 WHO Vital Registration Data 2022 version [VR]
Nicaragua	18	2008.5	1000 D
	5	1994.5	1998 Demographic and Health Survey [DHS Direct]
	4	1993.5	2001 Demographic and Health Survey [DHS Direct]
	1	2004	2006 Demographic and Health Survey [Other DHS Direct]
	4	2003.5	2006-2007 Encuesta Nicaraguense de Demografia y Salud [Others Di-
		• • • •	rect]
	4	2008.5	2011-2012 Encuesta Nicaraguense de Demografia y Salud [Others Di-
			rect]
Niger	32	2018.5	
	6	1990.5	1992 Demographic and Health Survey [DHS Direct]
	7	1996.5	1998 Demographic and Health Survey [DHS Direct]
	6	2004	2006 Demographic and Health Survey [DHS Direct]
	3	2007.5	2010 Child Survival and Mortality Survey New [Others Direct]
	5	2009.5	2012 Demographic and Health Survey [DHS Direct]
			Continued on payt page

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	Table 21 – continued from previous page			
	#	Most		
Country	obs.	recent	Data series name [source type]	
	UDS.	obs. year		
	5	2018.5	2021 Enquete Nationale sur la Fecondite et la Mortalite des Enfants de	
			moins de 5 ans (ENAFEME) [Others Direct]	
Nigeria	46	2016.5		
	5	1987.5	1990 Demographic and Health Survey [DHS Direct]	
	5	2000.5	2003 Demographic and Health Survey [DHS Direct]	
	16	2007.5	2008 Demographic and Health Survey [DHS Direct]	
	5	2007.5	2010 Malaria Indicator Survey [Other DHS Direct]	
	8	2011.5	2013 Demographic and Health Survey [DHS Direct]	
	7	2016.5	2018 Demographic and Health Survey [DHS Direct]	
Niue	2	2002.5		
	2	2002.5	2021 WHO Vital Registration Data 2022 version [VR]	
Norway	71	2021.5		
	71	2021.5	2021 WHO Vital Registration Data 2022 version [VR]	
Oman	4	1990		
Oman	3	1983.5	1988 Child Health Survey [Others Direct]	
	1	1990	1995 Family Health Survey [Others Direct]	
Pakistan	67	2019.5	1773 Family Health Strivey [Others Direct]	
1 akistan	1	1969.5	1971 Population Growth Survey I [Others Direct]	
	6	1909.5	1971 Population Growth Survey [Other DHS Direct]	
	1	1973.3	1975 World Petulity Survey [Other Diris Direct] 1976-1978 Population Growth Survey II [Others Direct]	
	1	1986	1988 Demographic Survey [Others Direct]	
	5	1987.5	1990-1991 Demographic and Health Survey [DHS Direct]	
	4	1987.5	1990-1991 Demographic and Health Survey [DHS Direct] 1998 Integrated Household Survey [Others Direct]	
		1993.3	2000-2001 Reproductive Health and Family Planning Survey [Others	
	1	1999	Direct]	
	4	1997.5	2001 Integrated Household Survey [Others Direct]	
	6	2004	2006-2007 Demographic and Health Survey [DHS Direct]	
	20	2007.5	2008 Pakistan Demographic Survey [Others Direct]	
	5	2009.5	2012-2013 Demographic and Health Survey [DHS Direct]	
	1	2010.5	2013-2014 Social	
Living Standard				
Measurement				
Survey [Others				
Direct]				
	5	2014.5	2017-2018 Demographic and Health Survey [DHS Direct]	
	5	2016.5	2018-2019 Social	
Living Standard		1		
Measurement				
Survey [Others				
Direct]				
,	1	2019.5	2020 Pakistan Demographic Survey [Others Direct]	
	1	1964	Population Growth Estimation Experiment [VR]	
Palau	17	2005.5	F Cross at Zoumanon Zisperment [114]	
_ 111111	17	2005.5	2021 WHO Vital Registration Data 2022 version [VR]	
Panama	5	1972.5	2022 110 Interest to the total control [110]	
1 anama	5	1712.3	Continued on next nego	

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	#	Most	
Country	obs.	recent	Data series name [source type]
	UDS.	obs. year	
	5	1972.5	1975-1976 World Fertility Survey [Other DHS Direct]
Papua New Guinea	7	2013.5	
_	1	1991	1996 Demographic and Health Survey [Other DHS Direct]
	1	2001	2006 Demographic and Health Survey [Other DHS Direct]
	5	2013.5	2016-2018 Demographic and Health Survey [DHS Direct]
Paraguay	19	2005.5	
a agaay	5	1976.5	1979 World Fertility Survey [Other DHS Direct]
	5	1987.5	1990 Demographic and Health Survey [DHS Direct]
	4	2001.5	2004 Reproductive Health Survey [Others Direct]
	5	2005.5	2008 Encuesta Nacional de Demografia y Salud Sexual y Reproductiva
		2003.3	[Others Direct]
Peru	83	2018.5	[Concis Breek]
2 010	6	1975	1977-1978 World Fertility Survey [Other DHS Direct]
	5	1983.5	1986 Demographic and Health Survey [DHS Direct]
	5	1988.5	1991-1992 Demographic and Health Survey [DHS Direct]
	7	1994.5	1996 Demographic and Health Survey [DHS Direct]
	5	1994.5	2000 Demographic and Health Survey [DHS Direct]
		2000.5	, ,
	4		2003-2008 Demographic and Health Survey [DHS Direct]
	4	2006.5	2009 Demographic and Health Survey [DHS Direct]
	5	2007.5	2010 Demographic and Health Survey [DHS Direct]
	5	2008.5	2011 Demographic and Health Survey [DHS Direct]
	5	2009.5	2012 Demographic and Health Survey [DHS Direct]
	1	2008	2013 Demographic and Health Survey [DHS Direct]
	1	2009.5	2014 Encuesta Demografica y de Salud Familiar-ENDES Continua
			[DHS Direct]
	5	2011.5	2014 National Demographic and Health Survey [Other DHS Direct]
	5	2014.5	2017 Demographic and Family Health Survey [Others Direct]
	5	2015.5	2018 Demographic and Family Health Survey [Other DHS Direct]
	5	2016.5	2019 Encuesta Demografica y de Salud Familiar [Other DHS Direct]
	5	2017.5	2020 Encuesta Demografica y de Salud Familiar [Other DHS Direct]
	5	2018.5	2021 Encuesta Demografica y de Salud Familiar [Other DHS Direct]
Philippines	35	2014.5	
	5	1975.5	1978 World Fertility Survey [Other DHS Direct]
	5	1990.5	1993 Demographic and Health Survey [DHS Direct]
	5	1995.5	1998 Demographic and Health Survey [DHS Direct]
	5	2000.5	2003 Demographic and Health Survey [DHS Direct]
	5	2005.5	2008 Demographic and Health Survey [DHS Direct]
	5	2010.5	2013 National Demographic and Health Survey [DHS Direct]
	5	2014.5	2017 Demographic and Health Survey [DHS Direct]
Poland	72	2021.5	
	9	1958.5	UNPD Demographic Yearbook Data 2020 version [VR]
	63	2021.5	WHO Vital Registration Data 2022 version [VR]
Portugal	72	2021.5	
	5	1954.5	UNPD Demographic Yearbook Data 2020 version [VR]
	67	2021.5	WHO Vital Registration Data 2022 version [VR]
Qatar	30	2020.5	
Ç	2.5		Continued on next page

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	Table 21 – continued from previous page			
	#	Most		
Country	obs.	recent	Data series name [source type]	
	uns.	obs. year		
	30	2020.5	2021 WHO Vital Registration Data 2022 version [VR]	
Romania	65	2021.5		
	3	1958.5	UNPD Demographic Yearbook Data 2020 version [VR]	
	62	2021.5	WHO Vital Registration Data 2022 version [VR]	
Russian Federation	41	2020.5	2	
	41	2020.5	2021 WHO Vital Registration Data 2022 version [VR]	
Rwanda	34	2016.5		
	5	1981	1983 World Fertility Survey [Other DHS Direct]	
	5	1989.5	1992 Demographic and Health Survey [DHS Direct]	
	4	1992.5	2000 Demographic and Health Survey [DHS Direct]	
	4	2003	2005 Demographic and Health Survey [DHS Direct]	
	3	2004.5	2007-2008 Interim Demographic and Health Survey [Other DHS Di-	
		2004.5	rect]	
	4	2007.5	2010 Demographic and Health Survey [DHS Direct]	
	4	2011.5	2014-2015 Demographic and Health Survey [DHS Direct]	
	5	2016.5	2019-2020 Demographic and Health Survey [DHS Direct]	
Saint Kitts and	45	2016.5	2017-2020 Demographic and Hearth Survey [D115 Direct]	
Nevis	73	2010.3		
TVCVIS	45	2016.5	2021 WHO Vital Registration Data 2022 version [VR]	
Saint Lucia	61	2018.5	2021 WITO VItal Registration Data 2022 Version [VR]	
Saint Lucia	14	1968.5	UNPD Demographic Yearbook Data 2020 version [VR]	
	47	2018.5	WHO Vital Registration Data 2022 version [VR]	
Comoo	8		WHO VITAL REGISTRATION Data 2022 VEISION [VR]	
Samoa		2016.5 1999	1000 Dans a graphic and Haalth Common [Others Direct]	
	1		1999 Demographic and Health Survey [Others Direct]	
	1	1995	2000 Demographic and Vital Statistics Survey [Others Direct]	
	1	2011.4	2011 Population and Housing Census [Others Direct]	
C M :	5	2016.5	2019-2020 Multiple Indicator Cluster Survey [MICS Direct]	
San Marino	11	2003.5	WHIO YEAR DA 2020 CONDI	
	2	2003.5	WHO Vital Registration Data 2020 version [VR]	
	9	1998.5	WHO Vital Registration Data 2022 version [VR]	
Sao Tome and	15	2016.5		
Principe	_	2005 5	2000 2000 Dama analis ca LH - 14 Common FDHC D'	
	5	2005.5	2008-2009 Demographic and Health Survey [DHS Direct]	
	5	2011.5	2014 Multiple Indicator Cluster Survey [MICS Direct]	
0 1 4 1 1	5	2016.5	2019 Multiple Indicator Cluster Survey [MICS Direct]	
Saudi Arabia	6	2017.4	1000 5	
	1	1998.6	1999 Demographic Survey [Others Direct]	
	1	1999.6	2000 Demographic Survey [Others Direct]	
	1	2004.2	2004 Census [Others Direct]	
	1	2006.6	2007 Demographic Survey [Others Direct]	
	1	2013.9	2016 Demographic Survey [Others Direct]	
	1	2017.4	2017 Household Health Survey [Others Direct]	
Senegal	77	2016.5		
	5	1975.5	1978 World Fertility Survey [Other DHS Direct]	
	5	1983.5	1986 Demographic and Health Survey [DHS Direct]	
	5	1989.5	1992-1993 Demographic and Health Survey [DHS Direct]	
			Continued on next nage	

Table 21 – continued from previous page

			e 21 – continued from previous page
Country	# obs.	Most recent	Data series name [source type]
		obs. year	1007 Dans a graphic and Health Commercipals Direction
	5	1994.5	1997 Demographic and Health Survey [DHS Direct]
	6	1997	1999-2000 Demographic and Health Survey [DHS Direct]
	6	2003	2005 Demographic and Health Survey [DHS Direct]
	5	2005.5	2008-2009 Malaria Indicator Survey [Other DHS Direct]
	5	2007.5	2010-2011 Demographic and Health Survey [DHS Direct]
	5	2009.5	2012-2013 Demographic and Health Survey [DHS Direct]
	5	2011.5	2014 Demographic and Health Survey [DHS Direct]
	5	2012.5	2015 Demographic and Health Survey [DHS Direct]
	5	2013.5	2016 Demographic and Health Survey [DHS Direct]
	5	2014.5	2017 Demographic and Health Survey [DHS Direct]
	5	2015.5	2018 Demographic and Health Survey [DHS Direct]
G 1:	5	2016.5	2019 Demographic and Health Survey [DHS Direct]
Serbia	37	2021.5	2021 WHO WALL D. C. A. C. C. D. A. 2022
Q 1 11	37	2021.5	2021 WHO Vital Registration Data 2022 version [VR]
Seychelles	51	2019.5	2021 WHO W: 1D 1 4 4 5 D 4 2022
~. ~	51	2019.5	2021 WHO Vital Registration Data 2022 version [VR]
Sierra Leone	18	2016.5	
	1	1992	1992 DSMS [Others Direct]
	5	2000	2004 Census [Census Indirect]
	7	2011.5	2013 Demographic and Health Survey [DHS Direct]
	5	2016.5	2019 Demographic and Health Survey [DHS Direct]
Singapore	71	2020.5	
	5	1954.5	UNPD Demographic Yearbook Data 2020 version [VR]
	66	2020.5	WHO Vital Registration Data 2022 version [VR]
Slovakia	40	2021.5	
	40	2021.5	2021 WHO Vital Registration Data 2022 version [VR]
Slovenia	40	2021.5	
	40	2021.5	2021 WHO Vital Registration Data 2022 version [VR]
Solomon Islands	6	2012.5	
	1	2002	2007 Demographic and Health Survey [Other DHS Direct]
	5	2012.5	2015 Demographic and Health Survey [Other DHS Direct]
Somalia	5	2004	
	5	2004	2006 Multiple Indicator Cluster Survey [MICS Direct]
South Africa	54	2021.5	
	5	1995.5	1998 Demographic and Health Survey [DHS Direct]
	5	2013.5	2016 Demographic and Health Survey [DHS Direct]
	44	2021.5	Rapid Mortality Surveillance (Preliminary) [VR]
South Sudan			
Spain	71	2020.5	
	71	2020.5	2021 WHO Vital Registration Data 2022 version [VR]
Sri Lanka	79	2014.5	
	5	1972.5	1975 World Fertility Survey [Other DHS Direct]
	5	1984.5	1987 Demographic and Health Survey [DHS Direct]
	6	1990.5	1993 Demographic and Health Survey [Other DHS Direct]
	6	1997.5	2000 Demographic and Health Survey [Other DHS Direct]
	6	2003.5	2006 Demographic and Health Survey [Other DHS Direct]
			Continued on next page

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	Table 21 – continued from previous page			
	#	Most		
Country	obs.	recent	Data series name [source type]	
	UDS.	obs. year		
	5	2013.5	2016 Demographic and Health Survey [Other DHS Direct]	
	46	2014.5	WHO Vital Registration Data 2022 version [VR]	
Saint Vincent and	58	2017.5		
the Grenadines				
	10	1964.5	UNPD Demographic Yearbook Data 2020 version [VR]	
	48	2017.5	WHO Vital Registration Data 2022 version [VR]	
State of Palestine	25	2016.5		
	1	1992.5	1995 Demographic Survey [Others Direct]	
	1	1997.5	2000 Health Survey [Others Direct]	
	1	2002.3	2004 Demographic and Health Survey [Other DHS Direct]	
	6	2005	2006 Pan Arab Project for Family Health Family Health Survey [Others	
			Direct]	
	5	2008.1	2010 Multiple Indicator Cluster Survey-Family Health Survey [MICS	
			Direct]	
	1	2008	2011 Palestinian Family Survey [Others Direct]	
	5	2011.5	2014 Multiple Indicator Cluster Survey [MICS Direct]	
	5	2016.5	2019-2020 Multiple Indicator Cluster Survey [MICS Direct]	
Sudan	24	2011.5		
	5	1975.5	1978-1979 World Fertility Survey [Other DHS Direct]	
	5	1986.5	1989-1990 Demographic and Health Survey [DHS Direct]	
	4	1989.5	1992 Pan Arab Project for Child Development Maternal and Child	
			Health Survey [Others Direct]	
	1	1995	1999 Safe Motherhood Survey [Others Direct]	
	4	2007.5	2010 Multiple Indicator Cluster Survey [MICS Direct]	
	5	2011.5	2014 Multiple Indicator Cluster Survey [MICS Direct]	
Suriname	5	2015.5		
	5	2015.5	2018 Multiple Indicator Cluster Survey [MICS Direct]	
Swaziland	14	2011.5		
	4	2003.5	2006-2007 Demographic and Health Survey [DHS Direct]	
	5	2007.5	2010 Multiple Indicator Cluster Survey [MICS Direct]	
	5	2011.5	2014 Multiple Indicator Cluster Survey [MICS Direct]	
Sweden	71	2021.5		
	71	2021.5	2021 WHO Vital Registration Data 2022 version [VR]	
Switzerland	71	2021.5		
	71	2021.5	2021 WHO Vital Registration Data 2022 version [VR]	
Syria	16	1999		
	5	1976	1978 World Fertility Survey [Other DHS Direct]	
	5	1990.5	1993 Pan Arab Project for Child Development Maternal and Child	
			Health Survey [Others Direct]	
	6	1999	2001 Pan Arab Project for Family Health Family Health Survey [Others	
			Direct]	
Tajikistan	5	2014.5		
	5	2014.5	2017 Demographic and Health Survey [DHS Direct]	
Tanzania	30	2012.5		
	5	1988.5	1991-1992 Demographic and Health Survey [DHS Direct]	
	5	1994	1996 Demographic and Health Survey [DHS Direct]	
			Continued on next page	

Table 21 – continued from previous page

	Table 21 – continued from previous page			
	#	Most		
Country	obs.	recent	Data series name [source type]	
	UDS.	obs. year		
	5	1996.5	1999 Demographic and Health Survey [DHS Direct]	
	5	2001.5	2004-2005 Demographic and Health Survey [DHS Direct]	
	5	2006.5	2010 Demographic and Health Survey [DHS Direct]	
	5	2012.5	2015-2016 Demographic and Health Survey [DHS Direct]	
Thailand	14	1991		
	1	1975	1974-1975 Survey of Population Change [Others Direct]	
	5	1972.5	1975 World Fertility Survey [Other DHS Direct]	
	1	1985	1985-1986 Survey of Population Change [Others Direct]	
	5	1984.5	1987 Demographic and Health Survey [DHS Direct]	
	2	1991	1989 Survey of Population Change [Others Direct]	
Timor Leste	6	2006.5	read and region of the graph of	
	1	1999	2003 Demographic and Health Survey [Other DHS Direct]	
	5	2006.5	2009-2010 Demographic and Health Survey [DHS Direct]	
Togo	21	2014.5		
1080	5	1985.5	1988 Demographic and Health Survey [DHS Direct]	
	6	1996	1998 Demographic and Health Survey [DHS Direct]	
	5	2010.5	2013 Demographic and Health Survey [DHS Direct]	
	5	2010.5	2017 Multiple Indicator Cluster Survey [MICS Direct]	
Tonga	5	2014.5	2017 Multiple indicator cluster survey [Mics Direct]	
Tonga	1	2010.3	2012 National Demographic and Health Survey [DHS Direct]	
	4	2007.8	2012 National Demographic and Health Survey [DTIS Direct] 2019 Multiple Indicator Cluster Survey [MICS Direct]	
Trinidad and To-	10	1984.5	2019 Multiple findicator Cluster Survey [MICS Direct]	
	10	1904.3		
bago	_	1974.5	1077 Would Fastility Common [Other DUC Discort]	
	5		1977 World Fertility Survey [Other DHS Direct]	
Therefore	5	1984.5	1987 Demographic and Health Survey [DHS Direct]	
Tunisia	24	2017.5	1000 D 1' 1H 14 C (DHCD' 4)	
	5	1985.5	1988 Demographic and Health Survey [DHS Direct]	
	5	1992.4	1994 Pan Arab Project for Child Development Maternal and Child	
	_	1000	Health Survey [Others Direct]	
	5	1999	2001 Pan Arab Project for Family Health Family Health Survey [Others	
		2000 5	Direct]	
	1	2009.6	2011-2012 Multiple Indicator Cluster Survey [MICS Direct]	
	5	2014.5	Vital Registration from Institut National de la Statistique [VR]	
	3	2017.5	WHO Vital Registration Data 2022 version [VR]	
Turkey	38	2019.5		
	5	1975.5	1978 World Fertility Survey [Other DHS Direct]	
	5	1990.5	1993 Demographic and Health Survey [DHS Direct]	
	5	1995.5	1998 Demographic and Health Survey [DHS Direct]	
	5	2000.5	2003-2004 Demographic and Health Survey [Other DHS Direct]	
	1	2003.8	2008 Turkey Demographic and Health Survey [Other DHS Direct]	
	6	2010.5	2013 Demographic and Health Survey [Other DHS Direct]	
	11	2019.5	WHO Vital Registration Data 2022 version [VR]	
Turkmenistan	6	2016.5		
	1	1995.6	2000 Demographic and Health Survey [DHS Direct]	
	5	2016.5	2019 Multiple Indicator Cluster Survey [MICS Direct]	
			Continued on next page	

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	Table 21 – continued from previous page			
	#	Most		
Country	obs.	recent	Data series name [source type]	
	ODS.	obs. year		
Turks and Caicos	39	2018.5		
Islands				
	2	2011.5	2019-2020 Multiple Indicator Cluster Survey [MICS Direct]	
	37	2018.5	UNPD Vital Registration Data 2019 version [VR]	
Tuvalu	18	2016.5		
	1	2000.3	2002 Census [Others Direct]	
	1	2002.7	2007 Demographic and Health Survey [Other DHS Direct]	
	5	2016.5	2019-2020 Multiple Indicator Cluster Survey [MICS Direct]	
	11	2005.5	WHO Vital Registration Data 2022 version [VR]	
Uganda	36	2013.5		
	5	1985.5	1988-1989 Demographic and Health Survey [DHS Direct]	
	5	1992.5	1995 Demographic and Health Survey [DHS Direct]	
	5	1998	2000-2001 Demographic and Health Survey [DHS Direct]	
	6	2004	2006 Demographic and Health Survey [DHS Direct]	
	5	2007.5	2009-2010 Malaria Indicator Survey [Other DHS Direct]	
	5	2008.5	2011 Demographic and Health Survey [DHS Direct]	
	5	2013.5	2016 Demographic and Health Survey [DHS Direct]	
Ukraine	10	2009.5		
	1	1995	1999 Reproductive Health Survey [Others Direct]	
	5	2004.5	2007 Demographic and Health Survey [DHS Direct]	
	4	2009.5	2012 Multiple Indicator Cluster Survey [MICS Direct]	
United Arab Emi-	9	2019.5		
rates				
	1	1991	1995 Family Health Survey [Others Direct]	
	2	2019.5	Vital Registration by Federal Competitiveness and Statistics Center	
			[VR]	
	6	2014.5	Vital Registration Data published in UAE IN FIGURES 2014 [VR]	
United Kingdom	71	2020.5		
C	71	2020.5	2021 WHO Vital Registration Data 2022 version [VR]	
United States of	70	2019.5		
America				
	70	2019.5	2021 WHO Vital Registration Data 2022 version [VR]	
Uruguay	62	2020.5		
	62	2020.5	2021 WHO Vital Registration Data 2022 version [VR]	
Uzbekistan	1	1997		
	1	1997	2002 Demographic and Health Survey [Other DHS Direct]	
Vanuatu	1	2009		
	1	2009	2013 Demographic and Health Survey [Other DHS Direct]	
Venezuela (Boli-	31	2014.5		
varian Republic				
of)				
	5	1974.5	1977 World Fertility Survey [Other DHS Direct]	
	1	1995.5	1998 National Population and Family Survey [Others Direct]	
	25	2014.5	WHO Vital Registration Data 2022 version [VR]	
Vietnam	34	2020.8		
	5	1985.5	1988 National Demographic and Health Survey [Other DHS Direct]	
	1 - 1		Continued on next nega	

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Table 21 – continued from previous page			
	#	Most	
Country	obs.	recent	Data series name [source type]
		obs. year	
	1	1988.5	1994 Intercensal Demographic Survey [Others Direct]
	5	1994.5	1997 Demographic and Health Survey [DHS Direct]
	3	1993.4	1998 Vietnam Longitudinal Survey (VLSS) [Others Direct]
	5	1999.5	2002 Demographic and Health Survey [DHS Direct]
	1	2011.8	2012 Population Change and Family Planning Survey [Others Direct]
	5	2010.5	2013-2014 Multiple Indicator Cluster Survey [MICS Direct]
	1	2012.8	2013 Population Change and Family Planning Survey [Others Direct]
	1	2013.8	2014 Intercensal Population and Housing Survey [Others Direct]
	1	2014.8	2015 Population Change and Family Planning Survey [Others Direct]
	1	2015.8	2016 Population Change and Family Planning Survey [Others Direct]
	1	2016.8	2017 Population Change and Family Planning Survey [Others Direct]
	1	2017.8	2018 Population Change and Family Planning Survey [Others Direct]
	1	2018.8	2019 Census [Others Direct]
	1	2019.8	2020 Population Change and Family Planning Survey (Preliminary)
			[Others Direct]
	1	2020.8	2021 Population Change and Family Planning Survey (Preliminary)
			[Others Direct]
Yemen	32	2010.5	
	3	1977	1979 World Fertility Survey [Other DHS Direct]
	6	1989.5	1991-1992 Demographic and Health Survey [DHS Direct]
	8	1996	1997 Demographic and Health Survey [DHS Direct]
	5	2001.5	2003 Pan Arab Project for Family Health Family Health Survey [Others
			Direct]
	5	2003.5	2006 Multiple Indicator Cluster Survey [MICS Direct]
	5	2010.5	2013 Demographic and Health Survey [DHS Direct]
Zambia	33	2015.5	
	5	1990	1992 Demographic and Health Survey [DHS Direct]
	6	1994.5	1996-1997 Demographic and Health Survey [DHS Direct]
	6	1999.5	2001-2002 Demographic and Health Survey [DHS Direct]
	6	2004.5	2007 Demographic and Health Survey [DHS Direct]
	5	2010.5	2013-2014 Demographic and Health Survey [DHS Direct]
	5	2015.5	2018 Demographic and Health Survey [DHS Direct]
Zimbabwe	41	2016.5	
	5	1985.5	1988-1989 Demographic and Health Survey [DHS Direct]
	5	1991.5	1994 Demographic and Health Survey [DHS Direct]
	1	1997	1997 Inter-censal Demographic Survey [Others Direct]
	5	1996.5	1999 Demographic and Health Survey [DHS Direct]
	5	2006.5	2009 Multiple Indicator Cluster Survey [MICS Direct]
	5	2007.5	2010-2011 Demographic and Health Survey [DHS Direct]
	5	2011.5	2014 Multiple Indicator Cluster Survey [MICS Direct]
	5	2012.5	2015 Demographic and Health Survey [DHS Direct]
	5	2016.5	2019 Multiple Indicator Cluster Survey [MICS Direct]

Table 22: **Sex ratio data sources for age group 1–4, by country.** For each country, the total number of observations and the most recent reference year are shown after the country name. For each country-specific data series, the number of observations and the most recent reference year within that series is shown before each data series name. The source type that each data series falls in is shown in parentheses after each data series name.

		Most	
Country	#	recent	Data series name [source type]
•	obs.	obs. year	
Afghanistan	15	2015.5	
-	5	2007.5	2010 Afghanistan Mortality Survey [DHS Direct]
	5	2012.5	2015 Demographic and Health Survey [DHS Direct]
	5	2015.5	2018 Afghanistan Health Survey [Others Direct]
Albania	24	2021.5	
	4	1999.5	2002 Reproductive Health Survey [Others Direct]
	4	2000.5	2008-2009 Demographic and Health Survey [DHS Direct]
	16	2021.5	WHO Vital Registration Data 2022 version [VR]
Algeria	39	2020.5	
	1	1976.5	1986 Enquete nationale sur la fecondite [Others Direct]
	5	1989.5	1992 Pan Arab Project for Child Development Maternal and Child
			Health Survey [Others Direct]
	1	1993	1995 Enquete nationale sur les objectifs [Others Direct]
	5	2000	2002 Pan Arab Project for Family Health Family Health Survey [Others
			Direct]
	22	2020.5	Vital Registration from Demographie Algerienne [VR]
	5	1986.5	WHO Vital Registration Data 2022 version [VR]
Andorra	32	2014.5	
	5	2014.5	WHO Vital Registration Data 2019 version [VR]
	5	2014.5	WHO Vital Registration Data 2020 version [VR]
	10	2014.5	WHO Vital Registration Data 2021 version [VR]
	12	2014.5	WHO Vital Registration Data 2022 version [VR]
Angola	5	2012.5	
	5	2012.5	2015-2016 Inquerito de Indicadores Multiplos e de Saude [DHS Direct]
Anguilla	11	2015.5	AND
4 1 D	11	2015.5	2019 UNPD Vital Registration Data 2019 version [VR]
Antigua and Barbuda	51	2017.5	
	11	1960.5	UNPD Demographic Yearbook Data 2020 version [VR]
	40	2017.5	WHO Vital Registration Data 2022 version [VR]
Argentina	45	2020.5	
	45	2020.5	2021 WHO Vital Registration Data 2022 version [VR]
Armenia	12	2007.5	
	5	1997.5	2000 Demographic and Health Survey [DHS Direct]
	4	1997.5	2005 Demographic and Health Survey [DHS Direct]
	3	2007.5	2010 Demographic and Health Survey [DHS Direct]
Australia	71	2020.5	
	71	2020.5	2021 WHO Vital Registration Data 2022 version [VR]
Austria	66	2020.5	
	66	2020.5	2021 WHO Vital Registration Data 2022 version [VR]
Azerbaijan	11	2008.5	2004 P
	1	1996	2001 Reproductive Health Survey [Others Direct]

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Table 22 – continued from previous page			
	#	Most	
Country	obs.	recent	Data series name [source type]
	UDS.	obs. year	
	5	2003.5	2006 Demographic and Health Survey [DHS Direct]
	5	2008.5	2011 Azerbaijan National Demographic and Health Survey [Other DHS
			Direct]
Bahamas	48	2020.5	
	48	2020.5	2021 WHO Vital Registration Data 2022 version [VR]
Bahrain	42	2019.5	•
	1	1984	1989 Child Health Survey [Others Direct]
	1	1990.5	1995 Gulf Family Health Survey [Others Direct]
	5	2019.5	UNPD Vital Registration Data 2019 version [VR]
	35	2014.5	WHO Vital Registration Data 2022 version [VR]
Bangladesh	91	2020.5	
8	5	1972.5	1975-1976 World Fertility Survey [Other DHS Direct]
	1	1981	1988-1989 Fertility Survey [Others Direct]
	4	1990.5	1993-1994 Demographic and Health Survey [DHS Direct]
	5	1993.5	1996-1997 Demographic and Health Survey [DHS Direct]
	5	1996.5	1999-2000 Demographic and Health Survey [DHS Direct]
	1	1999	2001 Maternal Health Services and Maternal Mortality Survey [Other
	1	1,,,,	DHS Direct]
	5	2001.5	2004 Demographic and Health Survey [DHS Direct]
	5	2004.5	2007 Demographic and Health Survey [DHS Direct]
	5	2004.5	2011 Demographic and Health Survey [DHS Direct]
	$\begin{vmatrix} 3 \\ 1 \end{vmatrix}$	2008.1	2012-2013 Multiple Indicator Cluster Survey [MICS Direct]
	5	2011.5	2012-2013 Withtiple indicator claster survey [MICS Direct] 2014 Demographic and Health Survey [DHS Direct]
	5	2011.5	2017-2018 Demographic and Health Survey [DHS Direct]
	5	2014.5	2019 Multiple Indicator Cluster Survey [MICS Direct]
	10	2020.5	Sample Vital Statistics [VR]
	29	2010.5	SVital Registration from Report on Sample Vital Registration System
	29	2010.3	2010 [VR]
Barbados	54	2013.5	2010 [()]
Buroudos	54	2013.5	2021 WHO Vital Registration Data 2022 version [VR]
Belarus	39	2019.5	2021 Wile Vital Registration Data 2022 Version [VR]
Delarus	39	2019.5	2021 WHO Vital Registration Data 2022 version [VR]
Belgium	70	2019.5	2021 WHO Vital Registration Data 2022 Version [VR]
Deigiuiii	4	1953.5	UNPD Demographic Yearbook Data 2020 version [VR]
	66	2019.5	WHO Vital Registration Data 2022 version [VR]
Belize	23	2019.5	WHO VITAL REGISTRATION Data 2022 VEISION [VR]
DUILZE	5	1988.5	1001 Family Health Survey [Others Direct]
	18	2018.5	1991 Family Health Survey [Others Direct] WHO Vital Registration Data 2022 version [VR]
Donin			WITO VITAL REGISTRATION DATA 2022 VEISION [VK]
Benin	30	2014.5	1001 1002 World Fortility Common [Othern DUC Diment]
	5	1978.5	1981-1982 World Fertility Survey [Other DHS Direct]
	5	1993.5	1996 Demographic and Health Survey [DHS Direct]
	5	1998.5	2001 Demographic and Health Survey [DHS Direct]
	5	2003.5	2006 Demographic and Health Survey [DHS Direct]
	5	2011.5	2014 Multiple Indicator Cluster Survey [MICS Direct]
Dhutan	5	2014.5	2017-2018 Demographic and Health Survey [DHS Direct]
Bhutan	3	1999.7	Continued on next page

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			e 22 – continued from previous page
	#	Most	
Country	obs.	recent	Data series name [source type]
	ons.	obs. year	
	1	1983.5	1984 Demographic Sample Survey [Others Direct]
	1	1993.5	1994 National Health Survey [Others Direct]
	1	1999.7	2000 National Health Survey [Others Direct]
Bolivia (Pluri-	30	2013.5	,
national State			
of)			
01)	5	1986.5	1989 Demographic and Health Survey [DHS Direct]
	5	1990.5	1993-1994 Demographic and Health Survey [DHS Direct]
	5	1995.5	1998 Demographic and Health Survey [DHS Direct]
	5	2000.5	2003 Demographic and Health Survey [DHS Direct]
	5	2005.5	2008 Demographic and Health Survey [DHS Direct]
	5	2003.5	2016 Demographic and Health Survey [Other DHS Direct]
Bosnia and Herze-	25		2010 Demographic and Health Survey [Other DRS Direct]
	23	2016.5	
govina	25	2016.5	2021 WHO Vital Pagistration Data 2022
D (25	2016.5	2021 WHO Vital Registration Data 2022 version [VR]
Botswana	11	2005.4	1000 5 11 77 11 9 15 77
	5	1985.5	1988 Family Health Survey [DHS Direct]
	6	2005.4	2007 Family Health Survey [Others Direct]
Brazil	10	1993.5	
	5	1983.5	1986 Demographic and Health Survey [DHS Direct]
	5	1993.5	1996 Demographic and Health Survey [DHS Direct]
British Virgin Is-	37	2008.5	
lands			
	37	2008.5	2019 UNPD Vital Registration Data 2019 version [VR]
Brunei	63	2019.5	
	25	1978.5	UNPD Demographic Yearbook Data 2020 version [VR]
	38	2019.5	WHO Vital Registration Data 2022 version [VR]
Bulgaria	58	2021.5	
	58	2021.5	2021 WHO Vital Registration Data 2022 version [VR]
Burkina Faso	20	2007.5	
	5	1989.5	1993 Demographic and Health Survey [DHS Direct]
	5	1995.5	1998-1999 Demographic and Health Survey [DHS Direct]
	5	2000.5	2003 Demographic and Health Survey [DHS Direct]
	5	2007.5	2010 Demographic and Health Survey [DHS Direct]
Burundi	15	2013.5	
	1	1970.5	1970 Demographic Survey [Others Direct]
	5	1984.5	1987 Demographic and Health Survey [DHS Direct]
	5	2007.5	2010-2011 Demographic and Health Survey [DHS Direct]
	4	2013.5	2016-2017 Demographic and Health Survey [DHS Direct]
Cambodia	20	2011.5	
	5	1997.5	2000 Demographic and Health Survey [DHS Direct]
	5	2002.5	2005 Demographic and Health Survey [DHS Direct]
	5	2007.5	2010 Demographic and Health Survey [DHS Direct]
	5	2011.5	2014 Demographic and Health Survey [DHS Direct]
Cameroon	30	2011.5	201. Demographic and Heatin Burrey [D110 D11001]
Cameroon	5	1975.5	1978 World Fertility Survey [Other DHS Direct]
	5	1913.3	Continued on next page

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	Table 22 – continued from previous page			
	#	Most		
Country		recent	Data series name [source type]	
	obs.	obs. year		
	5	1988.5	1991 Demographic and Health Survey [DHS Direct]	
	5	1995.5	1998 Demographic and Health Survey [DHS Direct]	
	5	2001.5	2004 Demographic and Health Survey [DHS Direct]	
	5	2008.5	2011 Demographic and Health Survey [DHS Direct]	
	5	2015.5	2018 Demographic and Health Survey [DHS Direct]	
Canada	71	2020.5	2010 20110 grup into unit 110uini 2011 of [2110 21100]	
Culludu	71	2020.5	2021 WHO Vital Registration Data 2022 version [VR]	
Cape Verde	32	2016.5	2021 Willo Wall registration Batta 2022 Version [VII]	
cupe verde	5	1995.5	1998 Demographic and Reproductive Health Survey [Others Direct]	
	1	2002.2	2005 Demographic and Health Survey [DHS Direct]	
	26	2016.5	WHO Vital Registration Data 2022 version [VR]	
Central African	10	2015.5	WHO Vital Registration Data 2022 Version [VR]	
	10	2015.5		
Republic	5	1991.5	1994-1995 Demographic and Health Survey [DHS Direct]	
	5	2015.5	2018-2019 Multiple Indicator Cluster Survey [MICS Direct]	
CI 1			2018-2019 Multiple indicator Cluster Survey [MICS Direct]	
Chad	15	2011.5	1007 1007 D 1' 111 141 0 [D110 D' 4]	
	5	1993.5	1996-1997 Demographic and Health Survey [DHS Direct]	
	5	2001.5	2004 Demographic and Health Survey [DHS Direct]	
	5	2011.5	2014-2015 Demographic and Health Survey [DHS Direct]	
Chile	56	2015.5		
	56	2015.5	2021 WHO Vital Registration Data 2022 version [VR]	
China	5	1986		
	5	1986	1988 National Survey on Fertility and Birth Control [Others Direct]	
Colombia	35	2012.5		
	5	1983.5	1986 Demographic and Health Survey [DHS Direct]	
	5	1987.5	1990 Demographic and Health Survey [DHS Direct]	
	5	1992.5	1995 Demographic and Health Survey [DHS Direct]	
	5	1997.5	2000 Demographic and Health Survey [DHS Direct]	
	5	2001.5	2005 Demographic and Health Survey [DHS Direct]	
	5	2006.5	2010 Demographic and Health Survey [DHS Direct]	
	5	2012.5	2015 Demographic and Health Survey [DHS Direct]	
Comoros	6	2017.5		
	5	1993.5	1996 Demographic and Health Survey [DHS Direct]	
	1	2017.5	2017 Census [Others Direct]	
Congo	10	2008.5		
	5	2002.5	2005 Demographic and Health Survey [DHS Direct]	
	5	2008.5	2011-2012 Demographic and Health Survey [DHS Direct]	
Democratic Re-	10	2010.5		
public of the				
Congo				
	5	2004.5	2007 Demographic and Health Survey [DHS Direct]	
	5	2010.5	2013-2014 Demographic and Health Survey [DHS Direct]	
Cook Islands	7	2001.5		
	7	2001.5	2021 WHO Vital Registration Data 2022 version [VR]	
Costa Rica	71	2020.5		
	6	1955.5	UNPD Demographic Yearbook Data 2020 version [VR]	
	1	1	Continued on next page	

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	#	Most	
Country	obs.	recent	Data series name [source type]
		obs. year	
	65	2020.5	WHO Vital Registration Data 2022 version [VR]
Cote d'Ivoire	31	2013.5	
	1	1978.5	1978 Demographic Survey Repeated Passages [Others Direct]
	5	1977.5	1980-1981 World Fertility Survey [Other DHS Direct]
	5	1991.5	1994 Demographic and Health Survey [DHS Direct]
	5	1995.5	1998-1999 Demographic and Health Survey [DHS Direct]
	5	2002.5	2005 AIDS Indicator Survey [Other DHS Direct]
	5	2008.5	2011-2012 Demographic and Health Survey [DHS Direct]
	5	2013.5	2016 Multiple Indicator Cluster Survey [MICS Direct]
Croatia	39	2021.5	
	39	2021.5	2021 WHO Vital Registration Data 2022 version [VR]
Cuba	55	2020.5	
	55	2020.5	2021 WHO Vital Registration Data 2022 version [VR]
Cyprus	35	2020.5	
	35	2020.5	2021 WHO Vital Registration Data 2022 version [VR]
Czech Republic	39	2021.5	
•	39	2021.5	2021 WHO Vital Registration Data 2022 version [VR]
Denmark	70	2021.5	C c c
	70	2021.5	2021 WHO Vital Registration Data 2022 version [VR]
Djibouti	6	2010	
J	5	1999.5	2002 Pan Arab Project for Family Health Family Health Survey [Others
			Direct]
	1	2010	2012 Pan Arab Project for Family Health Family Health Survey [Others
			Direct]
Dominica	36	2015.5	u
	36	2015.5	2021 WHO Vital Registration Data 2022 version [VR]
Dominican Repub-	45	2016.5	
lic		2010.0	
110	5	1972.5	1975 World Fertility Survey [Other DHS Direct]
	5	1983.5	1986 Demographic and Health Survey [DHS Direct]
	5	1988.5	1991 Demographic and Health Survey [DHS Direct]
	5	1993.5	1996 Demographic and Health Survey [DHS Direct]
	5	1999.5	2002 Demographic and Health Survey [DHS Direct]
	5	2004.5	2007 Demographic and Health Survey [DHS Direct]
	5	2010.5	2013 Demographic and Health Survey [DHS Direct]
	5	2010.5	2014 Multiple Indicator Cluster Survey [MICS Direct]
	5	2011.5	2019 Multiple Indicator Cluster Survey [MICS Direct]
Ecuador	30	2010.5	2017 Manaple Medicator Cluster Survey [MICO Direct]
Loudon	5	1976.5	1979-1980 World Fertility Survey [Other DHS Direct]
	5	1970.5	1979-1980 World Tertifity Survey [Other Dirs Direct] 1987 Demographic and Health Survey [DHS Direct]
	$\begin{vmatrix} 3 \\ 3 \end{vmatrix}$	1984.5	1989 Demographic and Maternal and Child Health Survey [Others Di-
		1700.3	rect]
	5	1996.5	1999 Demographic and Maternal and Child Health Survey [Others Di-
		1770.3	rect]
	5	2001.5	2004 Demographic and Maternal and Child Health Survey [Others Di-
	5	2001.3	rect]
			Continued on next nage

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	#	Most	
Country	obs.	recent	Data series name [source type]
	uns.	obs. year	
	5	2009.5	2012 Encuesta Nacional de Salud y Nutricion, Imputed birth and deaths
			[Others Direct]
	2	2017.5	Adjusted Vital Registration (Live Births) [VR]
Egypt	52	2011.5	
	5	1977.5	1980 World Fertility Survey [Other DHS Direct]
	5	1985.5	1988 Demographic and Health Survey [DHS Direct]
	5	1988.5	1991 Pan Arab Project for Child Development Maternal and Child
			Health Survey [Others Direct]
	5	1989.5	1992 Demographic and Health Survey [DHS Direct]
	5	1992.5	1995 Demographic and Health Survey [DHS Direct]
	1	1993	1997 Interim Demographic and Health Survey [Other DHS Direct]
	1	1994	1998 Interim Demographic and Health Survey [Other DHS Direct]
	5	1997.5	2000 Demographic and Health Survey [DHS Direct]
	5	2000.5	2003 Demographic and Health Survey [Other DHS Direct]
	5	2002.5	2005 Demographic and Health Survey [DHS Direct]
	5	2005.5	2008 Demographic and Health Survey [DHS Direct]
	5	2011.5	2014 Demographic and Health Survey [DHS Direct]
El Salvador	8	2010.5	
	1	1985.5	1988 National Family Health Survey [Others Direct]
	1	1996	1998 National Family Health Survey [Others Direct]
	1	1999.5	2002-2003 National Family Health Survey [Others Direct]
	5	2010.5	2014 Multiple Indicator Cluster Survey [MICS Direct]
Equatorial Guinea	1	2006.7	
1	1	2006.7	2011 Demographic and Health Survey [DHS Direct]
Eritrea	15	2007.5	
	4	1992.5	1995-1996 Demographic and Health Survey [DHS Direct]
	5	1999.5	2002 Demographic and Health Survey [DHS Direct]
	5	2007.5	2010 Population and Health Survey [Other DHS Direct]
	1	2005	2010 Population and Health Survey (Preliminary) [Other DHS Direct]
Estonia	40	2020.5	1 3 371 3
	40	2020.5	2021 WHO Vital Registration Data 2022 version [VR]
Ethiopia	21	2013.5	
1	1	1977.7	1981 Demographic Survey [Others Direct]
	5	1997.5	2000 Demographic and Health Survey [DHS Direct]
	5	2002.5	2005 Demographic and Health Survey [DHS Direct]
	5	2007.5	2011 Demographic and Health Survey [DHS Direct]
	5	2013.5	2016 Demographic and Health Survey [DHS Direct]
Federated States of			
Micronesia			
Fiji	19	2019.5	
	5	1971.5	1974 World Fertility Survey [Other DHS Direct]
	14	2019.5	WHO Vital Registration Data 2022 version [VR]
Finland	72	2021.5	
	2	1951.5	UNPD Demographic Yearbook Data 2020 version [VR]
	70	2021.5	WHO Vital Registration Data 2022 version [VR]
France	70	2019.5	
			Continued on next page

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Table 22 – continued from previous page			
	#	Most	
Country	obs.	recent	Data series name [source type]
		obs. year	
	70	2019.5	2021 WHO Vital Registration Data 2022 version [VR]
Gabon	9	2009.5	
	4	1997.5	2000 Demographic and Health Survey [DHS Direct]
	5	2009.5	2012 Demographic and Health Survey [DHS Direct]
The Gambia	10	2016.5	
	5	2015.5	2018 Multiple Indicator Cluster Survey [MICS Direct]
	5	2016.5	2019-2020 Demographic and Health Survey [DHS Direct]
Georgia	6	2002.5	
C	4	1996.5	1999-2000 Reproductive Health Survey [Others Direct]
	2	2002.5	2005 Reproductive Health Survey [Others Direct]
Germany	52	2021.5	
,	52	2021.5	2021 WHO Vital Registration Data 2022 version [VR]
Ghana	46	2014.5	
	5	1985.5	1988 Demographic and Health Survey [DHS Direct]
	5	1990.5	1993-1994 Demographic and Health Survey [DHS Direct]
	5	1995.5	1998-1999 Demographic and Health Survey [DHS Direct]
	5	2000.5	2003 Demographic and Health Survey [DHS Direct]
	$\begin{vmatrix} 3 \\ 1 \end{vmatrix}$	2002	2007 Maternal Health Survey [Other DHS Direct]
	5	2002	2008 Demographic and Health Survey [DHS Direct]
	5	2003.5	2011 Multiple Indicator Cluster Survey [MICS Direct]
	5	2008.5	2011 Multiple indicator Cluster Survey [Mics Direct] 2014 Demographic and Health Survey [DHS Direct]
	5	2011.5	2014 Demographic and Health Survey [DHS Direct] 2017 Maternal Health Survey [Other DHS Direct]
	5	2014.5	·
Carre			2017-2018 Multiple Indicator Cluster Survey [MICS Direct]
Greece	65	2020.5	2021 WHO Vital Designation Data 2022 services [VD]
C1.	65	2020.5	2021 WHO Vital Registration Data 2022 version [VR]
Grenada	48	2018.5	TIMED D. 1. W. 1. 1. D. (2020 IND)
	21	1978.5	UNPD Demographic Yearbook Data 2020 version [VR]
~ .	27	2018.5	WHO Vital Registration Data 2022 version [VR]
Guatemala	21	2011.5	1007 D
	5	1984.5	1987 Demographic and Health Survey [DHS Direct]
	4	1992.5	1995 Demographic and Health Survey [DHS Direct]
	5	1995.5	1998-1999 Demographic and Health Survey [Other DHS Direct]
	1	1996.5	2002 Reproductive Health Survey-CDC [Others Direct]
	1	2003.8	2008-2009 Encuesta Nacional de Salud Materno Infantil (ENSMI) [Oth-
			ers Direct]
	5	2011.5	2014-2015 Demographic and Health Survey [DHS Direct]
Guinea	21	2010.5	
	1	1955	1954-1955 Survey [Others Direct]
	1	1987.8	1992 Demographic and Health Survey [DHS Direct]
	5	1996.5	1999 Demographic and Health Survey [DHS Direct]
	5	2002.5	2005 Demographic and Health Survey [DHS Direct]
	5	2009.5	2012 Demographic and Health Survey [DHS Direct]
	4	2010.5	2018 Demographic and Health Survey [DHS Direct]
Guinea-Bissau	10	2011.5	
	5	2007.5	2010 Multiple Indicator Cluster Survey [MICS Direct]
			Continued on part page

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	#	Most	
Country	obs.	recent	Data series name [source type]
	UDS.	obs. year	
	5	2011.5	2014 Multiple Indicator Cluster Survey [MICS Direct]
Guyana	18	2011.5	
	5	1972.5	1975 World Fertility Survey [Other DHS Direct]
	4	2002.5	2005 AIDS Indicator Survey [Other DHS Direct]
	4	2001.5	2009 Demographic and Health Survey [DHS Direct]
	5	2011.5	2014 Multiple Indicator Cluster Survey [MICS Direct]
Haiti	30	2013.5	
	4	1974.5	1977 World Fertility Survey [Other DHS Direct]
	1	1984.5	1987 Mortality, morbidity and service utilization survey [Others Direct]
	5	1991.5	1994-1995 Demographic and Health Survey [DHS Direct]
	5	1997.5	2000 Demographic and Health Survey [DHS Direct]
	5	2002.5	2005-2006 Demographic and Health Survey [DHS Direct]
	5	2009.5	2012 Demographic and Health Survey [DHS Direct]
	5	2013.5	2016-2017 Demographic and Health Survey [DHS Direct]
Honduras	17	2016.5	
	1	1971.5	1972 National Demographic Survey [Others Direct]
	2	1979	1987 National Survey of Epidemiology and Family Health [Others Di-
			rect]
	5	2002.5	2005-2006 Demographic and Health Survey [DHS Direct]
	4	2008.5	2011-2012 Demographic and Health Survey [DHS Direct]
	5	2016.5	2019 Multiple Indicator Cluster Survey [MICS Direct]
Hungary	71	2020.5	• • • • • • • • • • • • • • • • • • • •
<i>C</i> ,	5	1954.5	UNPD Demographic Yearbook Data 2020 version [VR]
	66	2020.5	WHO Vital Registration Data 2022 version [VR]
Iceland	59	2018.5	
	1	1950.5	UNPD Demographic Yearbook Data 2020 version [VR]
	58	2018.5	WHO Vital Registration Data 2022 version [VR]
India	60	2020.5	
	5	1989.5	1992-1993 Demographic and Health Survey [DHS Direct]
	5	1995.5	1998-1999 Demographic and Health Survey [DHS Direct]
	5	2002.5	2005-2006 Demographic and Health Survey [DHS Direct]
	15	1989.5	Sample Registration System [VR]
	21	2011.5	Sample Registration System [VR]
	1	2012.5	Sample Registration System [VR]
	1	2013.5	Sample Registration System [VR]
	2	2015.5	Sample Registration System [VR]
	1	2017.5	Sample Registration System [VR]
	1	2018.5	Sample Registration System [VR]
	1	2019.5	Sample Registration System [VR]
	1	2020.5	Sample Registration System [VR]
	1	2016.5	Sample Registration System [VR]
Indonesia	42	2014.5	
	5	1973.5	1976 World Fertility Survey [Other DHS Direct]
	5	1984.5	1987 Demographic and Health Survey [DHS Direct]
	5	1988.5	1991 Demographic and Health Survey [DHS Direct]
	5	1988.5	1991 Demographic and Health Survey [DHS Direct]
	1 3	1771.3	Continued on next page

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	#	Most	
Country	obs.	recent	Data series name [source type]
	uns.	obs. year	
	5	1994.5	1997 Demographic and Health Survey [DHS Direct]
	5	1999.5	2002-2003 Demographic and Health Survey [DHS Direct]
	4	1999.5	2007 Demographic and Health Survey [DHS Direct]
	4	2009.5	2012 Demographic and Health Survey [DHS Direct]
	4	2014.5	2017 Demographic and Health Survey [DHS Direct]
Iran (Islamic Re-	28	2008.5	
public of)		2000.2	
puelle el)	1	1974.5	1973-1976 Population Growth Survey [Others Direct]
	26	2000	2000 Demographic and Health Survey [Other DHS Direct]
	1	2008.5	2010 National Multiple-Indicator Demographic and Health Survey
	1	2006.3	[Other DHS Direct]
Iroa	14	2008.5	[Ould Dits Ditect]
Iraq	14	1973.5	1973 Demographic Sample Survey and Sample Registration System
	1	17/3.3	[Others Direct]
	2	2001	2004 Living Conditions Survey [Others Direct]
	3		,
	5	2003.5	2006 Multiple Indicator Cluster Survey [MICS Direct]
т 1 1	5	2008.5	2011 Multiple Indicator Cluster Survey [MICS Direct]
Ireland	69	2018.5	ACCOUNTION OF THE PROPERTY OF
	69	2018.5	2021 WHO Vital Registration Data 2022 version [VR]
Israel	69	2021.5	
	22	1974.5	UNPD Demographic Yearbook Data 2020 version [VR]
	47	2021.5	WHO Vital Registration Data 2022 version [VR]
Italy	70	2020.5	
	70	2020.5	2021 WHO Vital Registration Data 2022 version [VR]
Jamaica	7	2003	
	5	1972.5	1975-1976 World Fertility Survey [Other DHS Direct]
	2	2003	2008-2009 Reproductive Health Survey [Others Direct]
Japan	71	2021.5	
	71	2021.5	2021 WHO Vital Registration Data 2022 version [VR]
Jordan	35	2014.5	
	5	1973.5	1976 World Fertility Survey [Other DHS Direct]
	5	1987.5	1990 Demographic and Health Survey [DHS Direct]
	5	1994.5	1997 Demographic and Health Survey [DHS Direct]
	5	1999.5	2002 Demographic and Health Survey [DHS Direct]
	5	2004.5	2007 Demographic and Health Survey [DHS Direct]
	5	2009.5	2012 Demographic and Health Survey [DHS Direct]
	5	2014.5	2017 Demographic and Health Survey [DHS Direct]
Kazakhstan	9	1996.5	
	4	1992.5	1995 Demographic and Health Survey [DHS Direct]
	5	1996.5	1999 Demographic and Health Survey [DHS Direct]
Kenya	36	2019.2	
<i>J</i>	5	1974.5	1977-1978 World Fertility Survey [Other DHS Direct]
	5	1985.5	1989 Demographic and Health Survey [DHS Direct]
	5	1990.5	1993 Demographic and Health Survey [DHS Direct]
	5	1995.5	1998 Demographic and Health Survey [DHS Direct]
	5	2000.5	2003 Demographic and Health Survey [DHS Direct]
	1 5	2000.5	Continued on next page

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	#	Most	
Country	obs.	recent	Data series name [source type]
	ons.	obs. year	
	5	2005.5	2008-2009 Demographic and Health Survey [DHS Direct]
	5	2011.5	2014 Demographic and Health Survey [DHS Direct]
	1	2019.2	2019 Census [Others Direct]
Kiribati			
Democratic Peo-			
ple's Republic of			
Korea			
Republic of Korea	26	2021.5	
Republic of Roica	5	1971.5	1974 World Fertility Survey [Other DHS Direct]
	21	2021.5	WHO Vital Registration Data 2022 version [VR]
Vacana	11	2019.5	WHO VITAL REGISTRATION DATA 2022 VEISION [VK]
Kosovo			2012 2014 Matrials I. I. I'm and Claster Common PMICC Directal
	5	2010.5	2013-2014 Multiple Indicator Cluster Survey [MICS Direct]
17 .	4	2016.5	2019-2020 Multiple Indicator Cluster Survey [MICS Direct]
Kuwait	44	2019.5	
	44	2019.5	2021 WHO Vital Registration Data 2022 version [VR]
Kyrgyzstan	17	2015.5	
	4	1994.5	1997 Demographic and Health Survey [DHS Direct]
	5	2009.5	2012 Demographic and Health Survey [DHS Direct]
	5	2011.5	2014 Multiple Indicator Cluster Survey [MICS Direct]
	3	2015.5	2018 Multiple Indicator Cluster Survey [MICS Direct]
Lao People's	11	2008.5	
Democratic Re-			
public			
_	1	1989.5	1994 Fertility and Birth Spacing Survey [Others Direct]
	5	2002.5	2005 Reproductive Health Survey [Others Direct]
	5	2008.5	2012 Lao Social Indicator Survey (combined Multiple Indicator Cluster
			Survey4/Demographic and Health Survey) [DHS Direct]
Latvia	42	2021.5	<i>y</i> 21 <i>y</i> /t 1
	42	2021.5	2021 WHO Vital Registration Data 2022 version [VR]
Lebanon	4	2002	2021 Willow Man 108 Southard Battle 2022 Volume [Viv]
Leounon	4	2002	2004 Pan Arab Project for Family Health Family Health Survey [Others
	•	2002	Direct]
Lesotho	26	2016.3	Direction of the control of the cont
Lesonio	5	1974.5	1977 World Fertility Survey [Other DHS Direct]
	5	2001.5	2004 Demographic and Health Survey [DHS Direct]
	5	2001.5	2004 Demographic and Health Survey [DHS Direct]
	5	2000.5	2014 Demographic and Health Survey [DHS Direct]
		2011.3	2014 Demographic and Health Survey [DHS Direct] 2016 Census [Others Direct]
	1 5	2016.3	
Liboria			2018 Multiple Indicator Cluster Survey [MICS Direct]
Liberia	25	2016.5	1006 Damagraphia and Health Comment [DHC Discott
	5	1983.5	1986 Demographic and Health Survey [DHS Direct]
	5	2003.5	2006-2007 Demographic and Health Survey [DHS Direct]
	5	2005.5	2008-2009 Malaria Indicator Survey [Other DHS Direct]
	5	2010.5	2013 Demographic and Health Survey [DHS Direct]
	5	2016.5	2019-2020 Demographic and Health Survey [DHS Direct]
Libya	10	2005	

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	#	Most		
Country	obs.	recent	Data series name [source type]	
	UDS.	obs. year		
	5	1992.5	1995 Pan Arab Project for Child Development Maternal and Child	
			Health Survey [Others Direct]	
	5	2005	2007 Pan Arab Project for Family Health Family Health Survey [Others	
			Direct]	
Lithuania	54	2021.5		
	54	2021.5	2021 WHO Vital Registration Data 2022 version [VR]	
Luxembourg	60	2017.5		
	10	1959.5	UNPD Demographic Yearbook Data 2020 version [VR]	
	1	1961.5	WHO Good Vital Registration Data 2018 version [VR]	
	49	2017.5	WHO Vital Registration Data 2022 version [VR]	
Macedonia	39	2020.5		
	39	2020.5	2021 WHO Vital Registration Data 2022 version [VR]	
Madagascar	26	2015.5		
	5	1989.5	1992 Demographic and Health Survey [DHS Direct]	
	5	1994.5	1997 Demographic and Health Survey [DHS Direct]	
	5	2000.5	2003-2004 Demographic and Health Survey [DHS Direct]	
	5	2005.5	2008-2009 Demographic and Health Survey [DHS Direct]	
	1	2005.4	2012-2013 National Survey on Monitoring the MDGs (ENSOMD)	
			[DHS Direct]	
	5	2015.5	2018 Multiple Indicator Cluster Survey [MICS Direct]	
Malawi	37	2016.5	1 31	
	1	1971	1970 Population Change Survey [Others Direct]	
	1	1983.5	1984 Family Formation Survey [Others Direct]	
	5	1989.5	1992 Demographic and Health Survey [DHS Direct]	
	5	1997.5	2000 Demographic and Health Survey [DHS Direct]	
	5	2001.5	2004 Demographic and Health Survey [DHS Direct]	
	5	2007.5	2010 Demographic and Health Survey [DHS Direct]	
	5	2010.5	2013-2014 MDG Endline Survey [MICS Direct]	
	5	2012.5	2015-2016 Demographic and Health Survey [DHS Direct]	
	5	2016.5	2019-2020 Multiple Indicator Cluster Survey [MICS Direct]	
Malaysia	5	2015.5	The state of the s	
<i>j</i>	2	2012.5	Vital Statistics [VR]	
	1	2013.5	Vital Statistics [VR]	
	2	2015.5	Vital Statistics [VR]	
Maldives	25	2020.5	The second secon	
	1	1998	1997 Poverty and Vulnerability Survey [Others Direct]	
	5	2006.5	2009 Demographic and Health Survey [DHS Direct]	
	5	2013.5	2016-2017 Demographic and Health Survey [DHS Direct]	
	14	2020.5	WHO Vital Registration Data 2022 version [VR]	
Mali	25	2015.5		
	5	1984.5	1987 Demographic and Health Survey [DHS Direct]	
	5	1992.5	1995-1996 Demographic and Health Survey [DHS Direct]	
	5	1998.5	2001 Demographic and Health Survey [DHS Direct]	
	5	2003.5	2006 Demographic and Health Survey [DHS Direct]	
	5	2015.5	2018 Demographic and Health Survey [DHS Direct]	
Malta	58	2020.5	2010 Demographic and Heaten Survey [D110 Direct]	
1,141144	50	2020.3	Continued on next page	

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	#	Most	
Country	obs.	recent	Data series name [source type]
	ons.	obs. year	
	58	2020.5	2021 WHO Vital Registration Data 2022 version [VR]
Marshall Islands	1	2002.1	
	1	2002.1	2007 Demographic and Health Survey [Other DHS Direct]
Mauritania	25	2016.5	
	5	1978.5	1981-1982 World Fertility Survey [Other DHS Direct]
	3	1985	1990 Maternal and Child Health Survey [Others Direct]
	5	1997.5	2000-2001 Demographic and Health Survey [DHS Direct]
	1	1998.9	2003-2004 EMIP survey [Others Direct]
	1	2012.8	2013 Census [Others Direct]
	5	2012.5	2015 Multiple Indicator Cluster Survey [MICS Direct]
	5	2016.5	2019-2021 Demographic and Health Survey [DHS Direct]
Mauritius	70	2020.5	
	6	1956.5	UNPD Demographic Yearbook Data 2020 version [VR]
	64	2020.5	WHO Vital Registration Data 2022 version [VR]
Mexico	21	2016.5	
	5	1984.5	1987 Demographic and Health Survey [DHS Direct]
	5	2015.5	2018 Encuesta Nacional de la Dinamica Demografica (ENADID) [Oth-
		2010.0	ers Direct]
	11	2016.5	Vital Registration Data From Mexico Ministry Of Health [VR]
Republic of	9	2009.5	The registration batter roll from the first of the state [, re]
Moldova		2007.5	
1,10100 / 4	5	2002.5	2005 Demographic and Health Survey [DHS Direct]
	4	2009.5	2012 Multiple Indicator Cluster Survey [MICS Direct]
Monaco	22	2011.5	2012 Manapie maleuter etaster survey (Miess Briese)
Wonded	22	2011.5	2018 WHO Vital Registration Data 2018 version neighbouring [VR]
Mongolia	16	2019.5	2010 Wile Vian registration Data 2010 Version neighbouring [VR]
Wongona	1	1993	1998 Reproductive Health Survey [Others Direct]
	5	2010.5	2013-2014 Multiple Indicator Cluster Survey [MICS Direct]
	10	2019.5	WHO Vital Registration Data 2022 version [VR]
Montenegro	36	2021.5	WHO Vital Registration Data 2022 Version [VR]
Wiontenegro	36	2021.5	2021 WHO Vital Registration Data 2022 version [VR]
Montserrat	24	2008.5	2021 WHO Vital Registration Data 2022 Version [VR]
Wioniscitat	24	2008.5	2019 UNPD Vital Registration Data 2019 version [VR]
Morocco	27	2008.5	2019 ONI D Vital Registration Data 2019 Version [VR]
Molocco	5	1977.5	1980 World Fertility Survey [Other DHS Direct]
	5	1977.5	1987 Demographic and Health Survey [DHS Direct]
	5	1984.5	1997 Demographic and Health Survey [DHS Direct]
	5	1989.5	1992 Demographic and Health Survey [DHS Direct]
	1	1992.5	1993 PAPG ENSME petit-echantillon 1997 [Others Direct]
	5	2000.5	2003-2004 Demographic and Health Survey [DHS Direct]
	1	2000.5	2018 National Survey of Population and Family Health [Others Direct]
Mozambique	15	2013.5	2010 Ivanonai Survey of Fopulation and Family Health [Others Direct]
wiozamoique		2008.5	2002 2004 Damagraphia and Haalth Survey [DUS Direct]
	5	2000.5	2003-2004 Demographic and Health Survey [DHS Direct]
	5	2005.5	2008 Multiple Indicator Cluster Survey [MICS Direct]
Myonman	5		2011 Demographic and Health Survey [DHS Direct]
Myanmar	10	2012.5	Continued on next neces

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Table 22 – continued from previous page			
	#	Most	
Country	obs.	recent	Data series name [source type]
	UDS.	obs. year	
	2	1985.5	1991 Population Change and Fertility Survey [Others Direct]
	1	1992	1997 Fertility and Reproductive Health Survey [Others Direct]
	1	1996	2001 Fertility and Reproductive Health Survey [Others Direct]
	1	2001	2007 Fertility and Reproductive Health Survey [Others Direct]
	5	2012.5	2015-2016 Demographic and Health Survey [DHS Direct]
Namibia	20	2010.5	
Tumoru	5	1989.5	1992 Demographic and Health Survey [DHS Direct]
	5	1997.5	2000 Demographic and Health Survey [DHS Direct]
	5	2003.5	2006-2007 Demographic and Health Survey [DHS Direct]
	5	2010.5	2013 Demographic and Health Survey [DHS Direct]
Nauru	3	2010.3	2013 Demographic and Health Survey [D113 Direct]
	41	2016.5	
Nepal			1076 Would Fautility Cymray [Oth on DHC Dinget]
	5	1973.5	1976 World Fertility Survey [Other DHS Direct]
	1	1986	1991 Fertility and Family Planning Survey [Others Direct]
	5	1993.5	1996 Demographic and Health Survey [DHS Direct]
	5	1998.5	2001 Demographic and Health Survey [DHS Direct]
	5	2003.5	2006 Demographic and Health Survey [DHS Direct]
	5	2008.5	2011 Demographic and Health Survey [DHS Direct]
	5	2011.5	2014 Multiple Indicator Cluster Survey [MICS Direct]
	5	2013.5	2016 Demographic and Health Survey [DHS Direct]
	5	2016.5	2019 Multiple Indicator Cluster Survey [MICS Direct]
Netherlands	72	2021.5	
	72	2021.5	2021 WHO Vital Registration Data 2022 version [VR]
New Zealand	67	2016.5	
	67	2016.5	2021 WHO Vital Registration Data 2022 version [VR]
Nicaragua	17	2008.5	
	5	1994.5	1998 Demographic and Health Survey [DHS Direct]
	4	1993.5	2001 Demographic and Health Survey [DHS Direct]
	4	2003.5	2006-2007 Encuesta Nicaraguense de Demografia y Salud [Others Di-
			rect]
	4	2008.5	2011-2012 Encuesta Nicaraguense de Demografia y Salud [Others Di-
			rect]
Niger	28	2018.5	
8	5	1989.5	1992 Demographic and Health Survey [DHS Direct]
	5	1995.5	1998 Demographic and Health Survey [DHS Direct]
	5	2003.5	2006 Demographic and Health Survey [DHS Direct]
	3	2007.5	2010 Child Survival and Mortality Survey New [Others Direct]
	5	2007.5	2012 Demographic and Health Survey [DHS Direct]
	5	2018.5	2021 Enquete Nationale sur la Fecondite et la Mortalite des Enfants de
		2010.3	moins de 5 ans (ENAFEME) [Others Direct]
Nigeria	36	2017.5	monis de 5 ans (Ervit Eivit) [Others Direct]
Nigelia		1987.5	1000 Demographic and Health Survey [DUS Direct]
	5 5	2000.5	1990 Demographic and Health Survey [DHS Direct]
			2003 Demographic and Health Survey [DHS Direct]
	5	2005.5	2008 Demographic and Health Survey [DHS Direct]
	5	2007.5	2010 Malaria Indicator Survey [Other DHS Direct]
	8	2011.5	2013 Demographic and Health Survey [DHS Direct]

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		Most	e 22 – Continued from previous page
Country	#	Most	Data garias nama [gayras type]
Country	obs.	recent	Data series name [source type]
		obs. year	
	8	2017.5	2018 Demographic and Health Survey [DHS Direct]
Niue			
Norway	71	2021.5	
	71	2021.5	2021 WHO Vital Registration Data 2022 version [VR]
Oman	4	1990	
	3	1983.5	1988 Child Health Survey [Others Direct]
	1	1990	1995 Family Health Survey [Others Direct]
Pakistan	69	2016.5	
	1	1969.5	1971 Population Growth Survey I [Others Direct]
	5	1972.5	1975 World Fertility Survey [Other DHS Direct]
	1	1977	1976-1978 Population Growth Survey II [Others Direct]
	1	1986	1988 Demographic Survey [Others Direct]
	5	1987.5	1990-1991 Demographic and Health Survey [DHS Direct]
	7	1995.5	1998 Integrated Household Survey [Others Direct]
	1	1999	2000-2001 Reproductive Health and Family Planning Survey [Others
			Direct]
	7	1997.5	2001 Integrated Household Survey [Others Direct]
	5	2003.5	2006-2007 Demographic and Health Survey [DHS Direct]
	20	2007.5	2008 Pakistan Demographic Survey [Others Direct]
	5	2009.5	2012-2013 Demographic and Health Survey [DHS Direct]
	5	2014.5	2017-2018 Demographic and Health Survey [DHS Direct]
	5	2016.5	2018-2019 Social
Living Standard	'		
Measurement			
Survey [Others			
Direct]			
	1	1964	Population Growth Estimation Experiment [VR]
Palau	10	2002.5	
	10	2002.5	2021 WHO Vital Registration Data 2022 version [VR]
Panama	5	1972.5	
	5	1972.5	1975-1976 World Fertility Survey [Other DHS Direct]
Papua New Guinea	7	2013.5	, , , ,
•	1	1991	1996 Demographic and Health Survey [Other DHS Direct]
	1	2001	2006 Demographic and Health Survey [Other DHS Direct]
	5	2013.5	2016-2018 Demographic and Health Survey [DHS Direct]
Paraguay	18	2005.5	
	5	1976.5	1979 World Fertility Survey [Other DHS Direct]
	5	1987.5	1990 Demographic and Health Survey [DHS Direct]
	4	2001.5	2004 Reproductive Health Survey [Others Direct]
	4	2005.5	2008 Encuesta Nacional de Demografia y Salud Sexual y Reproductiva
			[Others Direct]
Peru	80	2018.5	
	5	1974.5	1977-1978 World Fertility Survey [Other DHS Direct]
	5	1983.5	1986 Demographic and Health Survey [DHS Direct]
	5	1988.5	1991-1992 Demographic and Health Survey [DHS Direct]
	5	1993.5	1996 Demographic and Health Survey [DHS Direct]
		1775.5	Continued on next page

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Table 22 – continued from previous page			
	#	Most	
Country	obs.	recent	Data series name [source type]
		obs. year	
	5	1997.5	2000 Demographic and Health Survey [DHS Direct]
	4	2000.5	2003-2008 Demographic and Health Survey [DHS Direct]
	4	2006.5	2009 Demographic and Health Survey [DHS Direct]
	5	2007.5	2010 Demographic and Health Survey [DHS Direct]
	5	2008.5	2011 Demographic and Health Survey [DHS Direct]
	5	2009.5	2012 Demographic and Health Survey [DHS Direct]
	1	2008	2013 Demographic and Health Survey [DHS Direct]
	1	2009.5	2014 Encuesta Demografica y de Salud Familiar-ENDES Continua [DHS Direct]
	5	2011.5	2014 National Demographic and Health Survey [Other DHS Direct]
	5	2014.5	2017 Demographic and Family Health Survey [Others Direct]
	5	2015.5	2018 Demographic and Family Health Survey [Other DHS Direct]
	5	2016.5	2019 Encuesta Demografica y de Salud Familiar [Other DHS Direct]
	5	2017.5	2020 Encuesta Demografica y de Salud Familiar [Other DHS Direct]
	5	2017.5	2021 Encuesta Demografica y de Salud Familiar [Other DHS Direct]
Philippines	35	2014.5	2021 Enedesta Bernogranea y de Sarad I annitat [Other B115 Birece]
1 mappines	5	1975.5	1978 World Fertility Survey [Other DHS Direct]
	5	1990.5	1993 Demographic and Health Survey [DHS Direct]
	5	1995.5	1998 Demographic and Health Survey [DHS Direct]
	5	2000.5	2003 Demographic and Health Survey [DHS Direct]
	5	2005.5	2008 Demographic and Health Survey [DHS Direct]
	5	2010.5	2013 National Demographic and Health Survey [DHS Direct]
	5	2010.5	2017 Demographic and Health Survey [DHS Direct]
Poland	71	2021.5	2017 Belliographic and Health Survey [B118 Birect]
1 Olana	8	1958.5	UNPD Demographic Yearbook Data 2020 version [VR]
	63	2021.5	WHO Vital Registration Data 2022 version [VR]
Portugal	72	2021.5	WHO With Registration Data 2022 Version [VR]
Tortugar	5	1954.5	UNPD Demographic Yearbook Data 2020 version [VR]
	67	2021.5	WHO Vital Registration Data 2022 version [VR]
Qatar	30	2020.5	WHO Vital Registration Data 2022 Version [VR]
Qatai	30	2020.5	2021 WHO Vital Registration Data 2022 version [VR]
Romania	65	2020.5	2021 WITO VItal Registration Data 2022 Version [VR]
Nomania	3	1958.5	UNPD Demographic Yearbook Data 2020 version [VR]
	62	2021.5	WHO Vital Registration Data 2022 version [VR]
Russian Federation	41	2021.5	WHO VITAL REGISTRATION DATA 2022 VEISION [VK]
Russian rederation			2021 WHO Vital Registration Data 2022 version [VR]
D1-	41	2020.5	2021 WHO VItal Registration Data 2022 Version [VR]
Rwanda	34	2016.5	1002 World Fartility Curryey [Other DUC Direct]
	5	1980.5	1983 World Fertility Survey [Other DHS Direct]
	5	1989.5	1992 Demographic and Health Survey [DHS Direct]
	4	1992.5	2000 Demographic and Health Survey [DHS Direct]
	4	2002.5	2005 Demographic and Health Survey [DHS Direct]
	3	2004.5	2007-2008 Interim Demographic and Health Survey [Other DHS Di-
	_	2007.5	rect]
	4	2007.5	2010 Demographic and Health Survey [DHS Direct]
	4	2011.5	2014-2015 Demographic and Health Survey [DHS Direct]

Table 22 – continued from previous page

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	#	Most		
Country	obs.	recent	Data series name [source type]	
	UDS.	obs. year		
	5	2016.5	2019-2020 Demographic and Health Survey [DHS Direct]	
Saint Kitts and	30	2015.5		
Nevis				
	30	2015.5	2021 WHO Vital Registration Data 2022 version [VR]	
Saint Lucia	54	2017.5		
	14	1968.5	UNPD Demographic Yearbook Data 2020 version [VR]	
	40	2017.5	WHO Vital Registration Data 2022 version [VR]	
Samoa	7	2016.5		
	1	1999	1999 Demographic and Health Survey [Others Direct]	
	1	1995	2000 Demographic and Vital Statistics Survey [Others Direct]	
	1	2011.4	2011 Population and Housing Census [Others Direct]	
	4	2016.5	2019-2020 Multiple Indicator Cluster Survey [MICS Direct]	
San Marino	3	2003.5	the state of the s	
	2	2003.5	WHO Vital Registration Data 2020 version [VR]	
	1	1993.5	WHO Vital Registration Data 2022 version [VR]	
Sao Tome and	15	2015.5	Willowian Registration Batta 2022 Version [VII]	
Principe and	13	2013.3		
Timespe	5	2005.5	2008-2009 Demographic and Health Survey [DHS Direct]	
	5	2011.5	2014 Multiple Indicator Cluster Survey [MICS Direct]	
	5	2011.5	2019 Multiple Indicator Cluster Survey [MICS Direct]	
Saudi Arabia	6	2017.4	2017 Multiple indicator cluster survey [Mics Direct]	
Saudi Maoia	1	1998.6	1999 Demographic Survey [Others Direct]	
	1	1999.6	2000 Demographic Survey [Others Direct]	
	1	2004.2	2004 Census [Others Direct]	
	1	2004.2	2007 Census [Others Direct] 2007 Demographic Survey [Others Direct]	
	1	2013.9	2016 Demographic Survey [Others Direct]	
	$\begin{vmatrix} 1 \\ 1 \end{vmatrix}$	2013.5	2017 Household Health Survey [Others Direct]	
Senegal	75	2017.4	2017 Household Health But vey [Others Direct]	
Schegar	5	1975.5	1978 World Fertility Survey [Other DHS Direct]	
	5	1973.5	1978 World Pettinly Survey [Other Dris Direct] 1986 Demographic and Health Survey [DHS Direct]	
	5	1989.5	1990 Demographic and Health Survey [DHS Direct]	
	5	1989.5	1997 Demographic and Health Survey [DHS Direct]	
	5	1994.5	1997 Demographic and Health Survey [DHS Direct]	
	5	2002.5	2005 Demographic and Health Survey [DHS Direct]	
	5	2002.5	2008-2009 Malaria Indicator Survey [Other DHS Direct]	
	5	2003.5	2010-2011 Demographic and Health Survey [DHS Direct]	
	5	2007.5	2010-2011 Demographic and Health Survey [DHS Direct] 2012-2013 Demographic and Health Survey [DHS Direct]	
	5	2009.5	2012-2013 Demographic and Health Survey [DHS Direct]	
	5	2011.5	2014 Demographic and Health Survey [DHS Direct] 2015 Demographic and Health Survey [DHS Direct]	
	5	2012.5	2013 Demographic and Health Survey [DHS Direct]	
	5	2013.5	2017 Demographic and Health Survey [DHS Direct]	
	5	2014.5	2017 Demographic and Health Survey [DHS Direct] 2018 Demographic and Health Survey [DHS Direct]	
	5	2015.5	2018 Demographic and Health Survey [DHS Direct] 2019 Demographic and Health Survey [DHS Direct]	
Carbia			2017 Demographic and Health Survey [DHS Direct]	
Serbia	37 37	2021.5 2021.5	2021 WHO Vital Pagistration Data 2022 varsion [VD]	
Cayaballas			2021 WHO Vital Registration Data 2022 version [VR]	
Seychelles	37	2017.5	Continued on next page	

Table 22 – continued from previous page

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	#	Most	
Country	obs.	recent	Data series name [source type]
	UDS.	obs. year	
	37	2017.5	2021 WHO Vital Registration Data 2022 version [VR]
Sierra Leone	11	2016.5	
	1	1992	1992 DSMS [Others Direct]
	5	2010.5	2013 Demographic and Health Survey [DHS Direct]
	5	2016.5	2019 Demographic and Health Survey [DHS Direct]
Singapore	71	2020.5	
	5	1954.5	UNPD Demographic Yearbook Data 2020 version [VR]
	66	2020.5	WHO Vital Registration Data 2022 version [VR]
Slovakia	40	2021.5	
	40	2021.5	2021 WHO Vital Registration Data 2022 version [VR]
Slovenia	40	2021.5	
3-3-1 (3-3-3)	40	2021.5	2021 WHO Vital Registration Data 2022 version [VR]
Solomon Islands	6	2012.5	
- La	1	2002	2007 Demographic and Health Survey [Other DHS Direct]
	5	2012.5	2015 Demographic and Health Survey [Other DHS Direct]
Somalia	4	2003.5	2013 Demographic and Headin Survey [Caner B113 Birect]
Somana	4	2003.5	2006 Multiple Indicator Cluster Survey [MICS Direct]
South Africa	55	2021.5	2000 Munipie indicator Cluster Survey [MICS Direct]
South Africa	5	1995.5	1998 Demographic and Health Survey [DHS Direct]
	$\begin{vmatrix} 3 \\ 1 \end{vmatrix}$	2006.7	2007 Community Survey [Others Direct]
	5	2000.7	2016 Demographic and Health Survey [DHS Direct]
	44	2013.5	Rapid Mortality Surveillance (Preliminary) [VR]
South Sudan	44	2021.3	Rapid Mortanty Survemance (Flemminary) [VK]
	71	2020.5	
Spain	71	2020.5	2021 WHO Vital Registration Data 2022 version [VR]
Sri Lanka	79	2020.5	2021 WHO VItal Registration Data 2022 Version [VR]
SII Lanka		1972.5	1075 Would Fortility Compay [Other DIIC Direct]
	5		1975 World Fertility Survey [Other DHS Direct]
	5	1984.5	1987 Demographic and Health Survey [DHS Direct]
	6	1990.5	1993 Demographic and Health Survey [Other DHS Direct]
	6	1997.5	2000 Demographic and Health Survey [Other DHS Direct]
	6	2003.5	2006 Demographic and Health Survey [Other DHS Direct]
	5	2013.5	2016 Demographic and Health Survey [Other DHS Direct]
G ' . T' 1	46	2014.5	WHO Vital Registration Data 2022 version [VR]
Saint Vincent and	55	2017.5	
the Grenadines	10	1064.5	THIRD D
	10	1964.5	UNPD Demographic Yearbook Data 2020 version [VR]
G. CD 1	45	2017.5	WHO Vital Registration Data 2022 version [VR]
State of Palestine	25	2016.5	1005 D
	1	1992.5	1995 Demographic Survey [Others Direct]
	1	1997.5	2000 Health Survey [Others Direct]
	1	2002.3	2004 Demographic and Health Survey [Other DHS Direct]
	6	2005	2006 Pan Arab Project for Family Health Family Health Survey [Others Direct]
	5	2008.1	2010 Multiple Indicator Cluster Survey-Family Health Survey [MICS Direct]
	1	2008	2011 Palestinian Family Survey [Others Direct]

Table 22 – continued from previous page

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	#	Most	
Country	obs.	recent	Data series name [source type]
	UDS.	obs. year	
	5	2011.5	2014 Multiple Indicator Cluster Survey [MICS Direct]
	5	2016.5	2019-2020 Multiple Indicator Cluster Survey [MICS Direct]
Sudan	24	2011.5	
	5	1975.5	1978-1979 World Fertility Survey [Other DHS Direct]
	5	1986.5	1989-1990 Demographic and Health Survey [DHS Direct]
	4	1989.5	1992 Pan Arab Project for Child Development Maternal and Child
			Health Survey [Others Direct]
	1	1995	1999 Safe Motherhood Survey [Others Direct]
	4	2007.5	2010 Multiple Indicator Cluster Survey [MICS Direct]
	5	2011.5	2014 Multiple Indicator Cluster Survey [MICS Direct]
Suriname	3	2015.5	
	3	2015.5	2018 Multiple Indicator Cluster Survey [MICS Direct]
Swaziland	14	2011.5	
	4	2003.5	2006-2007 Demographic and Health Survey [DHS Direct]
	5	2007.5	2010 Multiple Indicator Cluster Survey [MICS Direct]
	5	2011.5	2014 Multiple Indicator Cluster Survey [MICS Direct]
Sweden	71	2021.5	
	71	2021.5	2021 WHO Vital Registration Data 2022 version [VR]
Switzerland	71	2021.5	
	71	2021.5	2021 WHO Vital Registration Data 2022 version [VR]
Syria	16	1999	
3	5	1975.5	1978 World Fertility Survey [Other DHS Direct]
	5	1990.5	1993 Pan Arab Project for Child Development Maternal and Child
			Health Survey [Others Direct]
	6	1999	2001 Pan Arab Project for Family Health Family Health Survey [Others
			Direct]
Tajikistan	5	2014.5	170
	5	2014.5	2017 Demographic and Health Survey [DHS Direct]
Tanzania	30	2012.5	The state of the s
	5	1988.5	1991-1992 Demographic and Health Survey [DHS Direct]
	5	1993.5	1996 Demographic and Health Survey [DHS Direct]
	5	1996.5	1999 Demographic and Health Survey [DHS Direct]
	5	2001.5	2004-2005 Demographic and Health Survey [DHS Direct]
	5	2006.5	2010 Demographic and Health Survey [DHS Direct]
	5	2012.5	2015-2016 Demographic and Health Survey [DHS Direct]
Thailand	14	1991	
	1	1975	1974-1975 Survey of Population Change [Others Direct]
	5	1972.5	1975 World Fertility Survey [Other DHS Direct]
	1	1985	1985-1986 Survey of Population Change [Others Direct]
	5	1984.5	1987 Demographic and Health Survey [DHS Direct]
	2	1991	1989 Survey of Population Change [Others Direct]
Timor Leste	6	2006.5	, 1 O. F
	1	1999	2003 Demographic and Health Survey [Other DHS Direct]
	5	2006.5	2009-2010 Demographic and Health Survey [DHS Direct]
Togo	20	2014.5	
-000	5	1985.5	1988 Demographic and Health Survey [DHS Direct]
		1,00.0	Continued on next negative

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	#	Most	
Country	obs.	recent	Data series name [source type]
		obs. year	
	5	1995.5	1998 Demographic and Health Survey [DHS Direct]
	5	2010.5	2013 Demographic and Health Survey [DHS Direct]
	5	2014.5	2017 Multiple Indicator Cluster Survey [MICS Direct]
Tonga	3	2011.5	
	1	2007.8	2012 National Demographic and Health Survey [DHS Direct]
	2	2011.5	2019 Multiple Indicator Cluster Survey [MICS Direct]
Trinidad and To-	10	1984.5	
bago			
-	5	1974.5	1977 World Fertility Survey [Other DHS Direct]
	5	1984.5	1987 Demographic and Health Survey [DHS Direct]
Tunisia	19	2017.5	
	5	1985.5	1988 Demographic and Health Survey [DHS Direct]
	5	1992.4	1994 Pan Arab Project for Child Development Maternal and Child
			Health Survey [Others Direct]
	5	1999	2001 Pan Arab Project for Family Health Family Health Survey [Others
			Direct]
	1	2009.6	2011-2012 Multiple Indicator Cluster Survey [MICS Direct]
	3	2017.5	WHO Vital Registration Data 2022 version [VR]
Turkey	38	2019.5	Willo Vian Registration Batta 2022 Version [VR]
Turkey	5	1975.5	1978 World Fertility Survey [Other DHS Direct]
	5	1990.5	1993 Demographic and Health Survey [DHS Direct]
	5	1995.5	1998 Demographic and Health Survey [DHS Direct]
	5	2000.5	2003-2004 Demographic and Health Survey [Other DHS Direct]
	1	2003.8	2008 Turkey Demographic and Health Survey [Other DHS Direct]
	6	2010.5	2013 Demographic and Health Survey [Other DHS Direct]
	11	2010.5	WHO Vital Registration Data 2022 version [VR]
Turkmenistan	6	2015.5	WHO Vital Registration Data 2022 Version [VR]
Turkinchistan	1	1995.6	2000 Demographic and Health Survey [DHS Direct]
	5	2016.5	2019 Multiple Indicator Cluster Survey [MICS Direct]
Turks and Caisas			2019 Multiple findicator Cluster Survey [MICS Direct]
Turks and Caicos	23	2016.5	
Islands	22	2016.5	2010 LINDD Vital Desistantian Data 2010 maring [VD]
T1	23	2016.5	2019 UNPD Vital Registration Data 2019 version [VR]
Tuvalu	14	2016.5	2002 Canava [Othana Dinast]
	1	2000.3	2002 Census [Others Direct]
	1	2002.7	2007 Demographic and Health Survey [Other DHS Direct]
	3	2016.5	2019-2020 Multiple Indicator Cluster Survey [MICS Direct]
TT 1	9	2005.5	WHO Vital Registration Data 2022 version [VR]
Uganda	35	2013.5	1000 1000 D
	5	1985.5	1988-1989 Demographic and Health Survey [DHS Direct]
	5	1992.5	1995 Demographic and Health Survey [DHS Direct]
	5	1997.5	2000-2001 Demographic and Health Survey [DHS Direct]
	5	2003.5	2006 Demographic and Health Survey [DHS Direct]
	5	2007.5	2009-2010 Malaria Indicator Survey [Other DHS Direct]
	5	2008.5	2011 Demographic and Health Survey [DHS Direct]
	5	2013.5	2016 Demographic and Health Survey [DHS Direct]
Ukraine	7	2004.5	

Table 22 – continued from previous page

	Table 22 – continued from previous page			
Country	# obs.	Most recent obs. year	Data series name [source type]	
	1	1995	1999 Reproductive Health Survey [Others Direct]	
	5	2004.5	2007 Demographic and Health Survey [DHS Direct]	
	1	1989.5	2012 Multiple Indicator Cluster Survey [MICS Direct]	
United Arab Emirates	7	2014.5		
	1	1991	1995 Family Health Survey [Others Direct]	
	6	2014.5	Vital Registration Data published in UAE IN FIGURES 2014 [VR]	
United Kingdom	71	2020.5		
	71	2020.5	2021 WHO Vital Registration Data 2022 version [VR]	
United States of America	70	2019.5		
	70	2019.5	2021 WHO Vital Registration Data 2022 version [VR]	
Uruguay	62	2020.5		
	62	2020.5	2021 WHO Vital Registration Data 2022 version [VR]	
Uzbekistan	1	1997		
	1	1997	2002 Demographic and Health Survey [Other DHS Direct]	
Vanuatu	1	2009		
	1	2009	2013 Demographic and Health Survey [Other DHS Direct]	
Venezuela (Bolivarian Republic of)	31	2014.5		
01)	5	1974.5	1977 World Fertility Survey [Other DHS Direct]	
	1	1995.5	1998 National Population and Family Survey [Others Direct]	
	25	2014.5	WHO Vital Registration Data 2022 version [VR]	
Vietnam	20	2014.8	Willowing Registration Butta 2022 Volston [VR]	
, 1 0 0110111	1	1988.5	1994 Intercensal Demographic Survey [Others Direct]	
	5	1994.5	1997 Demographic and Health Survey [DHS Direct]	
	5	1999.5	2002 Demographic and Health Survey [DHS Direct]	
	1	2011.8	2012 Population Change and Family Planning Survey [Others Direct]	
	5	2010.5	2013-2014 Multiple Indicator Cluster Survey [MICS Direct]	
	1	2012.8	2013 Population Change and Family Planning Survey [Others Direct]	
	1	2013.8	2014 Intercensal Population and Housing Survey [Others Direct]	
	1	2014.8	2015 Population Change and Family Planning Survey [Others Direct]	
Yemen	28	2010.5		
	3	1976.5	1979 World Fertility Survey [Other DHS Direct]	
	5	1988.5	1991-1992 Demographic and Health Survey [DHS Direct]	
	5	1994.5	1997 Demographic and Health Survey [DHS Direct]	
	5	2000.5	2003 Pan Arab Project for Family Health Family Health Survey [Others Direct]	
	5	2003.5	2006 Multiple Indicator Cluster Survey [MICS Direct]	
	5	2010.5	2013 Demographic and Health Survey [DHS Direct]	
Zambia	31	2015.5		
	5	1989.5	1992 Demographic and Health Survey [DHS Direct]	
	5	1993.5	1996-1997 Demographic and Health Survey [DHS Direct]	
	5	1998.5	2001-2002 Demographic and Health Survey [DHS Direct]	
	6	2004.5	2007 Demographic and Health Survey [DHS Direct]	
T.	'		Continued on next page	

Table 22 – continued from previous page

Country	# obs.	Most recent obs. year	Data series name [source type]
	5	2010.5	2013-2014 Demographic and Health Survey [DHS Direct]
	5	2015.5	2018 Demographic and Health Survey [DHS Direct]
Zimbabwe	41	2016.5	
	5	1985.5	1988-1989 Demographic and Health Survey [DHS Direct]
	5	1991.5	1994 Demographic and Health Survey [DHS Direct]
	1	1997	1997 Inter-censal Demographic Survey [Others Direct]
	5	1996.5	1999 Demographic and Health Survey [DHS Direct]
	5	2006.5	2009 Multiple Indicator Cluster Survey [MICS Direct]
	5	2007.5	2010-2011 Demographic and Health Survey [DHS Direct]
	5	2011.5	2014 Multiple Indicator Cluster Survey [MICS Direct]
	5	2012.5	2015 Demographic and Health Survey [DHS Direct]
	5	2016.5	2019 Multiple Indicator Cluster Survey [MICS Direct]

Table 23: Sex ratio data sources for age group 0–4, by country. For each country, the total number of observations and the most recent reference year are shown after the country name. For each country-specific data series, the number of observations and the most recent reference year within that series is shown before each data series name. The source type that each data series falls in is shown in parentheses after each data series name.

	#	Most	
Country	obs.	recent	Data series name [source type]
	ons.	obs. year	
Afghanistan	8	2006.6	
	3	1969.4	1972 National Demographic and Family Guidance Survey [Others Indi-
			rect]
	1	2004.3	2007-2008 National Risk and Vulnerability Assessment Survey [Others
			Indirect]
	4	2006.6	2010-2011 Multiple Indicator Cluster Survey [MICS Indirect]
Albania	7	1997.4	
	4	1995.3	2000 Multiple Indicator Cluster Survey [MICS Indirect]
	3	1997.4	2005 Multiple Indicator Cluster Survey [MICS Indirect]
Algeria	6	2002.9	
	1	1993.8	2000 Multiple Indicator Cluster Survey [MICS Indirect]
	5	2002.9	2006 Multiple Indicator Cluster Survey [MICS Indirect]
Andorra	20	2014.5	
	20	2014.5	2018 WHO Vital Registration Data 2018 version [VR]
Angola	15	2003.7	
	5	1992	1996 Multiple Indicator Cluster Survey [MICS Indirect]
	4	1997	2001 Multiple Indicator Cluster Survey [MICS Indirect]
	5	2002.7	2006-2007 Malaria Indicator Survey [Others Indirect]
	1	2003.7	2008-2009 Household Incomes and Expenditures Survey IBEP [Others
			Indirect]
Anguilla			
Antigua and Bar-			
buda			
Argentina			
Armenia			
Australia			
Austria	4	1005 (
Azerbaijan	4	1995.6	2000 Mulkiula Indiantan Charten Commun [MICC Indianat]
Dahamaa	4	1995.6	2000 Multiple Indicator Cluster Survey [MICS Indirect]
Bahamas			
Bahrain	13	2008.3	
Bangladesh			1074 Datagraphics Contility and Montality Courses (LIN CA) [Others In
	4	1967.9	1974 Retrospective Fertility and Mortality Survey (UN SA) [Others Indirect]
	5	2005.1	2009 Multiple Indicator Cluster Survey [Others Indirect]
	4	2003.1	2012-2013 Multiple Indicator Cluster Survey [MICS Indirect]
Barbados	7	2000.3	2012 2013 Multiple indicator Cluster Survey [MICS multeet]
Belarus			
Belgium			
Belize	8	2006.8	
DOILLO	4	2001.5	2006 Multiple Indicator Cluster Survey [MICS Indirect]
	+	2001.3	2000 Muniple indicator Cluster but vey [Mics mancet]

Table 23 – continued from previous page

Table 23 – continued from previous page			
~	#	Most	
Country	obs.	recent	Data series name [source type]
		obs. year	
	4	2006.8	2011 Multiple Indicator Cluster Survey [MICS Indirect]
Benin	5	1997.6	
	5	1997.6	2002 Census [Census Indirect]
Bhutan	9	2005.7	
	5	1980.6	1984 Demographic Sample Survey [Others Indirect]
	4	2005.7	2010 Multiple Indicator Cluster Survey [MICS Indirect]
Bolivia (Pluri-	14	1996.1	
national State			
of)			
,	5	1972	1975 EDEN [Others Indirect]
	5	1976.9	1980 National Demographic Survey [Others Indirect]
	4	1996.1	2000 Multiple Indicator Cluster Survey [MICS Indirect]
Bosnia and Herze-			The section of the se
govina			
Botswana	4	2007.2	
2 July Walla	1	1996	2000 Multiple Indicator Cluster Survey [MICS Indirect]
	1	1997.2	2001 Census [Census Indirect]
	1	2002	2006 Demographic Survey [Others Indirect]
	1	2002	2011 Census [Census Indirect]
Brazil	1	2007.2	2011 Census [Census munect]
British Virgin Is-			
lands			
Brunei			
Bulgaria	1.5	2015.7	
Burkina Faso	15	2015.7	
	4	2002	2006 Multiple Indicator Cluster Survey [MICS Indirect]
	5	2010.4	2014 Malaria Indicator Survey [Others Indirect]
	6	2015.7	2017-2018 Malaria Indicator Survey [Others Indirect]
Burundi	12	2011.5	
	3	1995.7	2000 Multiple Indicator Cluster Survey [MICS Indirect]
	3	2001.5	2005 Multiple Indicator Cluster Survey [MICS Indirect]
	1	2011.5	2012 Enquete menages pour le suivi et lÃevaluation de lÃimpact de lÃ-
			appui au systeme de remboursement du Paquet Minimum des Services
			de sante [Others Indirect]
	5	2007	2012 Malaria Indicator Survey [Others Indirect]
Cambodia	8	2002.2	
	5	1994.3	1998 Census [Census Indirect]
	3	2002.2	2004 Inter-censal Population Survey [Others Indirect]
Cameroon	4	1996.2	
	4	1996.2	2000 Multiple Indicator Cluster Survey [MICS Indirect]
Canada			
Cape Verde	5	2005.8	
•	5	2005.8	2010 Census [Census Indirect]
Central African	12	2006.4	
Republic			
1	4	1996.4	2000 Multiple Indicator Cluster Survey [MICS Indirect]
	· ·	1	Continued on next page

Table 23 – continued from previous page

Γ	Table 23 – continued from previous page			
Country	# obs.	Most recent obs. year	Data series name [source type]	
	4	2002.3	2006 Multiple Indicator Cluster Survey [MICS Indirect]	
	4	2006.4	2010 Multiple Indicator Cluster Survey [MICS Indirect]	
Chad	8	2005.8	The state of the s	
	4	1996.1	2000 Multiple Indicator Cluster Survey [MICS Indirect]	
	4	2005.8	2010 Multiple Indicator Cluster Survey [MICS Indirect]	
Chile			1 71	
China	13	2011		
	1	1986	1987 Population Sample Survey [Others Indirect]	
	12	2011	Sample Vital Registration [VR]	
Colombia			1 &	
Comoros				
Congo	5	2004.9		
6.	5	2004.9	2009 AIDS Indicator Survey [Others Indirect]	
Democratic Re-	8	2005.8		
public of the		_000.0		
Congo				
2 8 -	4	1997	2001 Multiple Indicator Cluster Survey [MICS Indirect]	
	4	2005.8	2010 Multiple Indicator Cluster Survey [MICS Indirect]	
Cook Islands	5	2002.7		
	5	2002.7	2006 Census [Census Indirect]	
Costa Rica			The state of the s	
Cote d'Ivoire				
Croatia				
Cuba				
Cyprus				
Czech Republic				
Denmark				
Djibouti	4	2002		
_ j== =================================	4	2002	2006 Multiple Indicator Cluster Survey [MICS Indirect]	
Dominica			and Fig. 10 and 10 and 10 feet 20 months.	
Dominican Repub-	9	1996.2		
lic				
	5	1977.5	1981 Census [Census Indirect]	
	4	1996.2	2000 Multiple Indicator Cluster Survey [MICS Indirect]	
Ecuador				
Egypt	5	2011.7		
<i>3</i> ,1	5	2011.7	2015 Health Indicator Survey [Others Indirect]	
El Salvador	4	1978.6		
	4	1978.6	1985 Demographic and Health Survey [Others Indirect]	
Equatorial Guinea				
Eritrea				
Estonia				
Ethiopia				
Federated States of	4	2006.5		
Micronesia States of				
			Continued on next page	

Table 23 – continued from previous page

Table 23 – continued from previous page			
	#	Most	
Country	obs.	recent	Data series name [source type]
	UDS.	obs. year	
	4	2006.5	2010 Census [Census Indirect]
Fiji	10	2003.5	
J	5	1973.1	1976 Census [Census Indirect]
	5	2003.5	2007 Census [Census Indirect]
Finland		2003.3	2007 Census [census maneet]
France			
Gabon	10	2001.0	
The Gambia	13	2001.9	
	4	1995.5	2000 Multiple Indicator Cluster Survey [MICS Indirect]
	4	2001.9	2005-2006 Multiple Indicator Cluster Survey [MICS Indirect]
Georgia	4	2000.7	
	4	2000.7	2005 Multiple Indicator Cluster Survey [MICS Indirect]
Germany			
Ghana	19	2015.7	
	4	2002	2006 Multiple Indicator Cluster Survey [MICS Indirect]
	5	2006.9	2010 Census [Census Indirect]
	5	2012.5	2016 Malaria Indicator Survey [Others Indirect]
	5	2015.7	2019 Malaria Indicator Survey [Others Indirect]
Greece		2015.7	2017 Mataria marcator parvey (Outers marcet)
Grenada			
	26	2014	
Guatemala	26		1001 C [C L. l']
	4	1974.4	1981 Census [Census Indirect]
	4	1980.7	1987 Enc. Nacional SocioDemografica [Others Indirect]
	4	1985.1	1989 Enc. Nacional Sociodemografica [Others Indirect]
	4	1989.8	1994 Census [Census Indirect]
	5	1998.5	2002 Census [Census Indirect]
	5	2014	2018 Census [Census Indirect]
Guinea	19	2017.1	
	5	1992.3	1996 Census [Census Indirect]
	5	1999	2003 Multiple Indicator Cluster Survey [Others Indirect]
	5	2009.7	2014 Census [Census Indirect]
	4	2017.1	2021 Malaria Indicator Survey [Others Indirect]
Guinea-Bissau	8	2000.9	
	4	1995.8	2000 Multiple Indicator Cluster Survey [MICS Indirect]
	4	2000.9	2006 Multiple Indicator Cluster Survey [MICS Indirect]
Guyana	8	2001.6	
Gayana	4	1996	2000-2001 Multiple Indicator Cluster Survey [MICS Indirect]
	4	2001.6	2006-2007 Multiple Indicator Cluster Survey [MICS Indirect]
Haiti	4	2001.0	2000 Multiple indicator cluster survey [MICS multert]
	4	1070.4	
Honduras	4	1979.4	1002 N C 1D 1' C 101 X Y 2
	4	1979.4	1983 National Demographic Survey [Others Indirect]
Hungary			
Iceland			
Iceland India	18	2007.4 1994.5	1999 District Level Household Survey [Others Indirect]

Table 23 – continued from previous page

	Table 23 – continued from previous page			
	#	Most		
Country	obs.	recent	Data series name [source type]	
	UDS.	obs. year		
	4	1999.3	2004 District Level Household Survey [Others Indirect]	
	5	2003.6	2008 District Level Household Survey [Others Indirect]	
	5	2007.4	2011 Census [Census Indirect]	
Indonesia	9	2006.4		
	5	1986.9	1990 Census [Census Indirect]	
	4	2006.4	2010 Census [Census Indirect]	
Iran (Islamic Re-	10	2003.9		
public of)				
	5	2003.1	2006 Census [Census Indirect]	
	5	2003.9	2011 Census [Census Indirect]	
Iraq	5	1986		
	5	1986	1990 Immunization, Diarrhoeal Disease, Maternal and Child Mortality	
			Survey [Others Indirect]	
Ireland				
Israel				
Italy				
Jamaica	4	2001		
	4	2001	2005 Multiple Indicator Cluster Survey [MICS Indirect]	
Japan				
Jordan	20	1987.5		
	5	1970.9	1972 Jordan Fertility Survey [Others Indirect]	
	5	1978.5	1981 Jordan Demographic Survey [Others Indirect]	
	5	1984.9	1988 EPI/CDD and Child Mortality Survey [Others Indirect]	
	5	1987.5	1990 EPI/CDD and Child Mortality Survey [Others Indirect]	
Kazakhstan	12	2010.6	, , , ,	
	4	2000.9	2006 Multiple Indicator Cluster Survey [MICS Indirect]	
	4	2005.9	2010-2011 Multiple Indicator Cluster Survey [MICS Indirect]	
	4	2010.6	2015 Multiple Indicator Cluster Survey [MICS Indirect]	
Kenya	8	2016.9		
•	1	1985.2	1989 Census [Census Indirect]	
	1	1995.2	1999 Census [Census Indirect]	
	4	1996	2000 Multiple Indicator Cluster Survey [MICS Indirect]	
	1	2011.3	2015 Malaria Indicator Survey [Others Indirect]	
	1	2016.9	2020 Malaria Indicator Survey [Others Indirect]	
Kiribati	15	2006.9		
	5	1991.9	1995 Census [Census Indirect]	
	5	1997	2000 Census [Census Indirect]	
	5	2006.9	2010 Census [Census Indirect]	
Democratic Peo-				
ple's Republic of				
Korea				
Republic of Korea				
Kosovo				
Kuwait	5	1987		
	5	1987	1987 Child Health Survey [Others Indirect]	
Kyrgyzstan	4	2001.2		

Table 23 – continued from previous page

			e 23 – continued from previous page
	#	Most	
Country	obs.	recent	Data series name [source type]
	UDS.	obs. year	
	4	2001.2	2005-2006 Multiple Indicator Cluster Survey [MICS Indirect]
Lao People's			
Democratic Re-			
public			
Latvia			
Lebanon	11	2006.6	
200411011	5	1992.9	1996 Population and Housing Survey [Others Indirect]
	1	1996.6	2000 Multiple Indicator Cluster Survey [MICS Indirect]
	5	2006.6	2009 Multiple Indicator Cluster Survey [Others Indirect]
Lesotho	6	1996.1	2007 Multiple indicator Glaster Survey [Outers maneet]
Lesotho	1	1967.5	1971 Demographic Survey [Others Indirect]
	4	1995.6	2000 Multiple Indicator Cluster Survey [MICS Indirect]
	1	1995.0	2001 Demographic Survey [Others Indirect]
Liborio		2011.9	2001 Demographic Survey [Onicis munect]
Liberia	10		2011 Molonio Indicaton Current [Others Indicate]
	5	2006.9	2011 Malaria Indicator Survey [Others Indirect]
T 11	5	2011.9	2016 Malaria Indicator Survey [Others Indirect]
Libya			
Lithuania			
Luxembourg			
Macedonia			
Madagascar	14	2011.4	
	4	1996.2	2000 Multiple Indicator Cluster Survey [MICS Indirect]
	5	2006.9	2013 Malaria Indicator Survey [Others Indirect]
	5	2011.4	2016 Malaria Indicator Survey [Others Indirect]
Malawi	10	2014.4	
	1	1978.4	1982 Demographic Survey [Others Indirect]
	1	1982.5	1987 Census [Census Indirect]
	1	1994	1998 Census [Census Indirect]
	1	2009.7	2014 Malaria Indicator Survey [Others Indirect]
	5	2012.9	2017 Malaria Indicator Survey [Others Indirect]
	1	2014.4	2018 Census [Census Indirect]
Malaysia			
Maldives			
Mali	5	2017.3	
	5	2017.3	2021 Malaria Indicator Survey [Others Indirect]
Malta			
Marshall Islands			
Mauritania Mauritania	4	2003.1	
1vIuui ituiiiu	4	2003.1	2007 Multiple Indicator Cluster Survey [MICS Indirect]
Mauritius	т	2005.1	2007 Flataple indicator cluster ourvey [wires indirect]
Mexico			
1			
Moldova			
Monaco	00	2005.0	
Mongolia	22	2005.8	Continued on next page

Table 23 – continued from previous page

Table 23 – continued from previous page			
~ .	#	Most	
Country	obs.	recent	Data series name [source type]
	0.05	obs. year	
	4	1996	2000 Multiple Indicator Cluster Survey [MICS Indirect]
	5	1999.5	2003 Reproductive Health Survey [Others Indirect]
	4	2001.2	2005 Multiple Indicator Cluster Survey [MICS Indirect]
	5	2004.5	2008 Reproductive Health Survey [Others Indirect]
	4	2005.8	2010 Multiple Indicator Cluster Survey [MICS Indirect]
Montenegro			1 72
Montserrat			
Morocco			
Mozambique	4	2013.2	
Mozamorque	1	2005.1	2009 AIDS Indicator Survey [Others Indirect]
	1	2010.5	2015 AIDS Indicator Survey [Others Indirect]
		2010.5	2017 Arbs indicator survey [others indirect] 2017 Census [Census Indirect]
	1 1		
Maranas	1	2013.2	2018 Malaria Indicator Survey [Others Indirect]
Myanmar	4	0007.1	
Namibia	1	2007.1	
	1	2007.1	2011 Census [Census Indirect]
Nauru			
Nepal			
Netherlands			
New Zealand			
Nicaragua	14	2000.6	
-	5	1981.3	1985 Enc.Socio-Demografica Nicaraguense [Others Indirect]
	5	1990.3	1995 Census [Census Indirect]
	4	2000.6	2005 Census [Census Indirect]
Niger	4	1996	
C	4	1996	2000 Multiple Indicator Cluster Survey [MICS Indirect]
Nigeria	4	2006.6	The state of the s
11150114	4	2006.6	2011 Multiple Indicator Cluster Survey [MICS Indirect]
Niue	•	2000.0	2011 Managio indicator Glaster Survey [Mico indirect]
Norway			
Oman			
	10	1002.2	
Pakistan	10	1993.2	1006 Integrated Household Committee [Others Led's and
	5	1992	1996 Integrated Household Survey [Others Indirect]
D 1	5	1993.2	1998 Census [Census Indirect]
Palau			
Panama			
Papua New Guinea	5	1995.5	
	5	1995.5	2000 Census [Census Indirect]
Paraguay			
Peru			
Philippines			
Poland			
Portugal			
Qatar			
Romania			
			Continued on next page

Table 23 – continued from previous page

Table 23 – continued from previous page			
Country	# obs.	Most recent obs. year	Data series name [source type]
Russian Federation			
Rwanda	4	2014.4	
	1	1988.1	1991 Census [Census Indirect]
	1	2009.3	2012 Census [Census Indirect]
	1	2009.8	2013 Malaria Indicator Survey [Others Indirect]
	1	2014.4	2017 Malaria Indicator Survey [Others Indirect]
Saint Kitts and			
Nevis			
Saint Lucia			
Samoa	5	2013.1	
	5	2013.1	2016 Population and Housing Census [Census Indirect]
San Marino			
Sao Tome and	4	1996.1	
Principe and			
	4	1996.1	2000 Multiple Indicator Cluster Survey [MICS Indirect]
Saudi Arabia	4	1985	2000 Manapar manager states survey [Mess maneet]
Suudi i iiuoiu	4	1985	1987 Child Health Survey [Others Indirect]
Senegal	10	2016.8	1907 Simila Freditin Survey [Suners maneet]
Sellegui	5	2003	2006 Malaria Indicator Survey [Others Indirect]
	5	2016.8	2020-2021 Malaria Indicator Survey [Others Indirect]
Serbia		2010.0	2020 2021 Mataria material Survey [Outers maneet]
Seychelles			
Sierra Leone	22	2011.7	
Sieria Leone	4	1995.8	2000 Multiple Indicator Cluster Survey [MICS Indirect]
	4	2000.9	2005-2006 Multiple Indicator Cluster Survey [MICS Indirect]
	4	2006.3	2010 Multiple Indicator Cluster Survey [MICS Indirect]
	5	2011.1	2015 Census [Census Indirect]
	5	2011.7	2016 Malaria Indicator Survey [Others Indirect]
Singapore		2011.7	2010 Manaria marcator our vey [Others maneet]
Slovakia			
Slovenia			
Solomon Islands			
Somalia	1	1999.1	
Somana	1	1999.1	1999 Multiple Indicator Cluster Survey [MICS Indirect]
South Africa	1	1222.1	1777 Multiple indicator cluster survey [wires multeet]
South Sudan	5	2003.1	
South Sudan	5 5	2003.1	2008 Census [Census Indirect]
Spain	3	2005.1	2000 Census [Census munect]
Spain			
Sri Lanka			
Saint Vincent and the Grenadines			
	1	2011.6	
State of Palestine	4	2011.6	2017 Canava [Canava India-at]
Condon	4	2011.6	2017 Census [Census Indirect]
Sudan	9	2003.4	1000 1000 D
	4	1986.5	1989-1990 Demographic and Health Survey [Others Indirect]

Table 23 – continued from previous page

Table 23 – continued from previous page			
	#	Most	
Country	obs.	recent	Data series name [source type]
	UDS.	obs. year	
	5	2003.4	2008 Census [Census Indirect]
Suriname	8	2001.5	
	4	1995.2	1999-2000 Multiple Indicator Cluster Survey [MICS Indirect]
	4	2001.5	2006 Multiple Indicator Cluster Survey [MICS Indirect]
Swaziland	4	1995.9	•
	4	1995.9	1999-2000 Multiple Indicator Cluster Survey [MICS Indirect]
Sweden			, , , , ,
Switzerland			
Syria	8	2001.8	
<i>J</i>	4	1986.6	1990 EPI/CDD and Child Mortality Survey [Others Indirect]
	4	2001.8	2006 Multiple Indicator Cluster Survey [MICS Indirect]
Tajikistan	8	2001	
	4	1996.1	2000 Multiple Indicator Cluster Survey [MICS Indirect]
	4	2001	2005 Multiple Indicator Cluster Survey [MICS Indirect]
Tanzania	4	2013.4	2000 Manapa Manamar Classer Sarvey (Mices Manes)
- HILMIIM	1	1984.4	1988 Census [Census Indirect]
	1	1998	2002 Census [Census Indirect]
	1	2008.2	2012 Census [Census Indirect]
	1	2013.4	2017 Malaria Indicator Survey [Others Indirect]
Thailand	8	2007.4	2017 Maiaria indicator burvey [Others indirect]
Thanana	4	2000.9	2005-2006 Multiple Indicator Cluster Survey [MICS Indirect]
	4	2007.4	2012-2013 Multiple Indicator Cluster Survey [MICS Indirect]
Timor Leste	6	2007.4	2012-2013 Manaple Indicator Cluster Survey [Mics mancet]
Timor Leste	1	1999.6	2002 Multiple Indicator Cluster Survey [Others Indirect]
	5	2007	2010 Census [Census Indirect]
Togo	21	2013.8	2010 Census (Census maneet)
10g0	3	1955.4	1958 Census [Census Indirect]
	4	2001.8	2006 Multiple Indicator Cluster Survey [MICS Indirect]
	5	2001.8	2010 Census [Census Indirect]
	4	2006.0	2010 Census [Census Indirect] 2010 Multiple Indicator Cluster Survey [MICS Indirect]
	5	2013.8	2017 Malaria Indicator Survey [Others Indirect]
Tonga	5	2010.2	2017 Maiaria maicator ourvey [Outers maireet]
Toliga	5	2010.2	2016 Census [Census Indirect]
Trinidad and To-	8	2010.2	2010 Census [Census muncet]
	o	2001.2	
bago	4	1995.2	2000 Multiple Indicator Cluster Survey [MICS Indirect]
	4	2001.2	2006 Multiple Indicator Cluster Survey [MICS Indirect] 2006 Multiple Indicator Cluster Survey [MICS Indirect]
Tunisia	5	2001.2	2000 Manapie maieator Cluster Survey [Mics maneet]
1 ullisia	5	2001.4	2004 Census [Census Indirect]
Turkey	10	1994.8	2007 Census [Census muncet]
Turkey	5	1994.8	1989 Demographic Survey [Others Indirect]
	5	1983.8	2000 Census [Census Indirect]
Turkmaniatan		2001.6	2000 Census [Census munect]
Turkmenistan	4	2001.6	2006 Multiple Indicator Cluster Survey [MICS Indirect]
	4	2001.0	Continued on next page

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Most					
C4	#		D-4		
Country	obs.	recent	Data series name [source type]		
		obs. year			
Turks and Caicos					
Islands					
Tuvalu	5	2009.4			
	5	2009.4	2012 Census [Census Indirect]		
Uganda	8	2014.8			
	1	1998.1	2002 Census [Census Indirect]		
	5	2009.7	2014 Census [Census Indirect]		
	1	2010.9	2014-2015 Malaria Indicator Survey [Others Indirect]		
	1	2014.8	2018-2019 Malaria Indicator Survey [Others Indirect]		
Ukraine					
United Arab Emi-	5	1987			
rates					
	5	1987	1987 Child Health Survey [Others Indirect]		
United Kingdom			••		
United States of					
America					
Uruguay					
Uzbekistan	8	2001.4			
	4	1995.9	2000 Multiple Indicator Cluster Survey [MICS Indirect]		
	4	2001.4	2006 Multiple Indicator Cluster Survey [MICS Indirect]		
Vanuatu			, v -		
Venezuela (Boli-					
varian Republic					
of)					
Vietnam	4	1995.3			
	4	1995.3	2000 Multiple Indicator Cluster Survey [MICS Indirect]		
Yemen					
Zambia	1	2006.5			
	1	2006.5	2010 Census [Census Indirect]		
Zimbabwe	1	1985.6			
	1	1985.6	1987 Inter-censal Demographic Survey [Others Indirect]		
	_				

Table 24: **Sex ratio data sources for age group 5–9, by country.** For each country, the total number of observations and the most recent reference year are shown after the country name. For each country-specific data series, the number of observations and the most recent reference year within that series is shown before each data series name. The source type that each data series falls in is shown in parentheses after each data series name.

		Most	
Country	#	recent	Data series name [source type]
Country	obs.	obs. year	Data series name [source type]
Afghanistan	42	2015.2	
111811111111111	3	1973	1972 National Demographic and Family Guidance Survey Direct (Sin-
		1,70	gle year) (1972) [Others Direct]
	3	1979	1979 Census Direct (Single year) (1979) [Others Direct]
	3	2008.1	2010 Afghanistan Mortality Survey (AMS) Excluding South Zone (Household data) Direct (Single year) (2010) [Other DHS Direct]
	18	2009	2010 Demographic and Health Survey Direct (2010) [DHS Direct]
	9	2013.4	2015 Demographic and Health Survey Direct (2015) [DHS Direct]
	6	2015.2	2018 Others Direct (2018) [Others Direct]
Albania	77	2021.5	
	2	1996.7	2002 Others Direct (2002) [Others Direct]
	3	2002.7	2008–2009 Demographic and Health Survey Direct (2008–2009) [DHS Direct]
	3	2011.1	2011 Census Direct (Single year) (2011) [Others Direct]
	3	2011.7	2018 Demographic and Health Survey Direct (2018) [DHS Direct]
	66	2021.5	Vital Registration [VR]
Algeria	72	2020.5	
	6	1989	1992 Others Direct (1992) [Others Direct]
	3	1996	2002 Others Direct (2002) [Others Direct]
	63	2020.5	Vital Registration [VR]
Andorra	10	2018.5	
	10	2018.5	Vital Registration [VR]
Angola	12	2014.3	
	12	2014.3	2015–2016 Demographic and Health Survey Direct (2016) [DHS Direct]
Anguilla			
Antigua and Barbuda	18	2016.5	
	18	2016.5	Vital Registration [VR]
Argentina	96	2020.5	
	96	2020.5	Vital Registration [VR]
Armenia	108	2021.5	
	3	1994.7	2000 Demographic and Health Survey Direct (2000) [DHS Direct]
	3	1999.7	2005 Demographic and Health Survey Direct (2005) [DHS Direct]
	3	2004.7	2010 Demographic and Health Survey Direct (2010) [DHS Direct]
	99	2021.5	Vital Registration [VR]
Australia	153	2020.5	
	153	2020.5	Vital Registration [VR]
Austria	153	2020.5	
	153	2020.5	Vital Registration [VR]
Azerbaijan	92	2021.5	

Table 24 – continued from previous page

Table 24 – continued from previous page			
	#	Most	
Country	obs.	recent	Data series name [source type]
	ons.	obs. year	
	3	2005	2011 Other Demographic and Health Survey Direct (2011) [Other DHS
			Direct]
	87	2021.5	Adjusted Vital Registration [VR]
Bahamas	86	2020.5	J C L J
	86	2020.5	Adjusted Vital Registration [VR]
Bahrain	93	2019.5	JusticeBestellines []
2 W.I. W.I.	93	2019.5	Vital Registration [VR]
Bangladesh	261	2020.5	
Bungladesii	3	1964	1962–1965 Population Growth Estimation Experiment Direct (Single
		1704	year) (1962–1965) [Others Direct]
	3	1974.5	1974 Retrospective Fertility and Mortality Survey (UN SA) Direct (Sin-
		1774.3	gle year) (1974) [Others Direct]
	18	1975	1976 Other Demographic and Health Survey Direct (1976) [Other DHS
	10	1973	Direct]
	18	1992.8	1993–1994 Demographic and Health Survey Direct (1993–1994) [DHS
	10	1992.0	
	15	1005 9	Direct] 1996–1997 Demographic and Health Survey Direct (1996–1997) [DHS
	15	1995.8	, , , , , , , , , , , , , , , , , , , ,
	2	1000.0	Direct]
	3	1999.8	1999–2000 Demographic and Health Survey Direct (Single year)
	1.0	1000.0	(1999–2000) [DHS Direct]
	18	1998.8	1999–2000 Demographic and Health Survey Direct (1999–2000) [DHS
	10	2002	Direct]
	18	2003	2004 Demographic and Health Survey Direct (2004) [DHS Direct]
	9	2005.2	2007 Demographic and Health Survey Direct (2007) [DHS Direct]
	3	2010	2010 Maternal Health Services and Maternal Mortality Survey Direct (5
		2010 =	year) (2010) [Other DHS Direct]
	3	2010.7	2011 Census Direct (Single year) (2011) [Others Direct]
	18	2010.5	2011 Demographic and Health Survey Direct (2011) [DHS Direct]
	12	2012.9	2014 Demographic and Health Survey Direct (2014) [DHS Direct]
	3	2016	2016 Maternal Health Services and Maternal Mortality Survey Direct
			(Single year) (2016) [Others Direct]
	12	2016.2	2017–2018 Demographic and Health Survey Direct (2018) [DHS Di-
			rect]
	18	2018.1	2019 Multiple Indicator Cluster Survey Direct (2019) [Others Direct]
	3	2016.5	Report on Sample Vital Registration System 2016 Vital Registration
			(2016) [Others Direct]
	3	2017.5	Report on Sample Vital Registration System 2016 Vital Registration
			(2017) [Others Direct]
	3	2018.5	Report on Sample Vital Registration System 2016 Vital Registration
			(2018) [Others Direct]
	3	2019.5	Report on Sample Vital Registration System 2016 Vital Registration
			(2019) [Others Direct]
	3	2020.5	Report on Sample Vital Registration System 2016 Vital Registration
			(2020) [Others Direct]
	72	2015.5	SVital Registration [VR]
Barbados	54	2013	
			Continued on next page

Table 24 – continued from previous page

Table 24 – continued from previous page			
	#	Most	
Country	obs.	recent	Data series name [source type]
	UDS.	obs. year	
	54	2013	Vital Registration [VR]
Belarus	150	2019.5	
	150	2019.5	Vital Registration [VR]
Belgium	153	2020.5	
- 8 ·	153	2020.5	Vital Registration [VR]
Belize	85	2018.5	
	2	1985.1	1991 Others Direct (1991) [Others Direct]
	81	2018.5	Adjusted Vital Registration [VR]
Benin	107	2016.8	Trajusta i tun Tragistanian [i Ti]
Benni	17	1981	1982 Other Demographic and Health Survey Direct (1982) [Other DHS
	1 /	1701	Direct]
	18	1995.4	1996 Demographic and Health Survey Direct (1996) [DHS Direct]
	18	2000.6	2001 Demographic and Health Survey Direct (2001) [DHS Direct]
	18	2005.6	2006 Demographic and Health Survey Direct (2006) [DHS Direct]
	18	2003.6	2014 Multiple Indicator Cluster Survey Direct (2014) [Others Direct]
	18	2015.5	2017–2018 Demographic and Health Survey Direct (2018) [DHS Di-
	10	2010.8	• • • • • • • • • • • • • • • • • • • •
D14	0	2012.5	rect]
Bhutan	9		1004 N.4' 1 H. 14 C D' (2) (1004) [Od D' 4]
	3	1993.1	1994 National Health Survey Direct (2 year) (1994) [Others Direct]
	3	2004.9	2005 Census Direct (Single year) (2005) [Others Direct]
5 11 1 (51 1	3	2012.5	2012 National Health Survey Direct (2 year) (2012) [Others Direct]
Bolivia (Pluri-	51	2010.4	
national State			
of)		10-0	
	3	1979.8	1980 National Demographic Survey Direct (Single year) (1980) [Others
	_		Direct]
	6	1986.2	1989 Demographic and Health Survey Direct (1989) [DHS Direct]
	9	1991.8	1993–1994 Demographic and Health Survey Direct (1993–1994) [DHS
			Direct]
	9	1996.2	1998 Demographic and Health Survey Direct (1998) [DHS Direct]
	12	2002.1	2003 Demographic and Health Survey Direct (2003) [DHS Direct]
	9	2006.1	2008 Demographic and Health Survey Direct (2008) [DHS Direct]
	3	2010.4	2016 Others Direct (2016) [Others Direct]
Bosnia and Herze-	75	2020.5	
govina			
	75	2020.5	Vital Registration [VR]
Botswana	18	2016.5	
	3	1981.1	1981 Census Direct (Single year) (1981) [Others Direct]
	3	1991.1	1991 Census Direct (Single year) (1991) [Others Direct]
	3	2001.1	2001 Census Direct (Single year) (2001) [Others Direct]
	3	2001.8	2008 Others Direct (2008) [Others Direct]
	3	2011.1	2011 Census Direct (Single year) (2011) [Others Direct]
	3	2016.5	2017 BWA _D irect(Singleyear) ₂ 017 _D irect(Singleyear)[OthersDirect]
Brazil	104	2020.5	
	2	1980.3	1986 Demographic and Health Survey Direct (1986) [DHS Direct]
	3	1990.2	1996 Demographic and Health Survey Direct (1996) [DHS Direct]
ı	1		Continued on next page

Table 24 – continued from previous page

Most	Table 24 – continued from previous page			
Data series name Source type Sobs year 3 2010.2 2010 Census Direct (Single year) (2010) [Others Direct] 2010 Census Direct (Single year) (1960–1961) [Others Direct] 2010 Census Direct (Single year) (2003) [DHS Direct] 2010 Census Direct (Single year) (2010) [DHS Direct] 2010 Census Direct (Single year) (2010) [DHS Direct] 2010 Census Direct (Single year) (1965) [Others Direct] 2010 Census Direct (Single year) (1965) [DHS Direct] 2010 Census Direct (Single year) (2010 [DHS Direct] 2010 Census Direct (Single year) (1965) [D		#	Most	
3 2010.2 2010 Census Direct (Single year) (2010) [Others Direct]	Country		recent	Data series name [source type]
British Virgin Is Is Is Is Is Is Is I		UDS.	obs. year	
British Virgin Is Is Is Is Is Is Is I		3	2010.2	2010 Census Direct (Single year) (2010) [Others Direct]
Brunei		96	2020.5	
Brunel 87 2019.5 Vital Registration [VR]	British Virgin Is-	70	2020.6	Togowalon [Tr]
Brunei 87 2019.5 Vital Registration [VR] Bulgaria 156 2021.5 Vital Registration [VR] Burkina Faso 70 2009.3 1960.5 1960-1961 Survey Direct (Single year) (1960-1961) [Others Direct] 12 1991.4 1993. Demographic and Health Survey Direct (1998-1999) [DHS Direct] 1998-1999 Demographic and Health Survey Direct (1998-1999) [DHS Direct] 18 2002.4 2003 Demographic and Health Survey Direct (2003) [DHS Direct] 2008 Global Fund Evaluation Survey Direct (Single year) (2008) [Others Direct] 18 2009.3 2010 Demographic and Health Survey Direct (2010) [DHS Direct] 18 2009.3 2010 Demographic and Health Survey Direct (2010) [DHS Direct] 18 2009.5 1965 Population Survey Direct (Single year) (1965) [Others Direct] 3 1965.7 1965 Population Survey Direct (Single year) (1970) [Others Direct] 4 2015.7 1987 Demographic and Health Survey Direct (2010) [DHS Direct] 18 2015.7 1987 Demographic and Health Survey Direct (2016-2017) [DHS Direct] Cambodia 57 2012.4 Cambodia 57 2012.4 18 1999.1 20	•			
Bulgaria 156 2021.5		07	2010.5	
Bulgaria 156 2021.5 2012.5 2012.5 2012.5 2020.5 2009.3 2009.3	Brunei			AV. 1D. C. C. DID.
156 2021.5 Vital Registration [VR]				Vital Registration [VR]
Burkina Faso	Bulgaria			
3		156	2021.5	Vital Registration [VR]
12	Burkina Faso	70	2009.3	
16		3	1960.5	1960–1961 Survey Direct (Single year) (1960–1961) [Others Direct]
16		12	1991.4	1993 Demographic and Health Survey Direct (1993) [DHS Direct]
Direct Direct Direct		16		
18		10	1,,,,,,	• • • • • • • • • • • • • • • • • • • •
3 2007.3 2008 Global Fund Evaluation Survey Direct (Single year) (2008) [Others Direct] 18 2009.3 2010 Demographic and Health Survey Direct (2010) [DHS Direct] 3 1964.7 1965 Population Survey Direct (Single year) (1965) [Others Direct] 1985.7 1987 Demographic Survey Direct (Single year) (1970) [Others Direct] 18 2009.6 2010-2011 Demographic and Health Survey Direct (2010) [DHS Direct] 18 2015.7 2016-2017 Demographic and Health Survey Direct (2016-2017) [DHS Direct] 18 2004.7 2005 Demographic and Health Survey Direct (2005) [DHS Direct] 18 2004.7 2005 Demographic and Health Survey Direct (2005) [DHS Direct] 2009 2010.9 2010 Demographic and Health Survey Direct (2010) [DHS Direct] 2009 2016.9 2014.4 2014 Demographic and Health Survey Direct (2014) [DHS Direct] 2019 2016.9 2018 Demographic and Health Survey Direct (2014) [DHS Direct] 2016.9 2018 Demographic and Health Survey Direct (2014) [DHS Direct] 2016.9 2018 Demographic and Health Survey Direct (2014) [DHS Direct] 2016.9 2018 Demographic and Health Survey Direct (2014) [DHS Direct] 2016.9 2018 Demographic and Health Survey Direct (2014) [DHS Direct] 2016.9 2018 Demographic and Health Survey Direct (2014) [DHS Direct] 2016.9 2018 Demographic and Health Survey Direct (2014) [DHS Direct] 2016.9 2018 Demographic and Health Survey Direct (2014) [DHS Direct] 2016.9 2018 Demographic and Health Survey Direct (2014) [DHS Direct] 2016.9 2018 Demographic and Health Survey Dir		18	2002.4	
Burundi				
18)	2007.3	
Burundi		10	2000 2	
3				2010 Demographic and Health Survey Direct (2010) [DHS Direct]
3	Burundi			
11		3	1964.7	
18		3	1969.5	1970 Demographic Survey Direct (Single year) (1970) [Others Direct]
Tect 2016-2017 Demographic and Health Survey Direct (2016-2017) [DHS Direct]		11	1985.7	1987 Demographic and Health Survey Direct (1987) [DHS Direct]
Tect 2016-2017 Demographic and Health Survey Direct (2016-2017) [DHS Direct 2016-2017 Demographic and Health Survey Direct (2016-2017) [DHS Direct 2012.4 18 1999.1 2000 Demographic and Health Survey Direct (2000) [DHS Direct 18 2004.7 2005 Demographic and Health Survey Direct (2005) [DHS Direct 12 2009 2010 Demographic and Health Survey Direct (2010) [DHS Direct 9 2012.4 2014 Demographic and Health Survey Direct (2014) [DHS Direct 9 2016.9		18	2009.6	2010–2011 Demographic and Health Survey Direct (2010) [DHS Di-
18				•
Direct Direct Direct		18	2015.7	
Cambodia 57 2012.4 18 1999.1 2000 Demographic and Health Survey Direct (2000) [DHS Direct] 18 2004.7 2005 Demographic and Health Survey Direct (2005) [DHS Direct] 12 2009 2010 Demographic and Health Survey Direct (2010) [DHS Direct] 9 2012.4 2014 Demographic and Health Survey Direct (2014) [DHS Direct] 12 1976.5 1976 Census Direct (Single year) (1976) [Others Direct] 12 1976.5 1978 Other Demographic and Health Survey Direct (1978) [Other DHS Direct] 3 1986.8 1987 Census Direct (Single year) (1987) [Others Direct] 9 1989.2 1991 Demographic and Health Survey Direct (1991) [DHS Direct] 12 1996.6 1998 Demographic and Health Survey Direct (1998) [DHS Direct] 18 2003.1 2004 Demographic and Health Survey Direct (2004) [DHS Direct] 18 2010 2011 Demographic and Health Survey Direct (2011) [DHS Direct] 12 2013 2014 Multiple Indicator Cluster Survey Direct (2014) [Others Direct] 12 2016.9 2018 Demographic and Health Survey Direct (2018) [DHS Direct] Canada 153 2020.5 Vital Registration [V			2015.7	
18	Cambodia	57	2012.4	Directj
18	Camboula			2000 Demographic and Health Survey Direct (2000) [DHS Direct]
12 2009 2010 Demographic and Health Survey Direct (2010) [DHS Direct] 9 2012.4 2014 Demographic and Health Survey Direct (2014) [DHS Direct] 2016.9 3 1975.8 1976 Census Direct (Single year) (1976) [Others Direct] 12 1976.5 1978 Other Demographic and Health Survey Direct (1978) [Other DHS Direct] 3 1986.8 1987 Census Direct (Single year) (1987) [Others Direct] 9 1989.2 1991 Demographic and Health Survey Direct (1991) [DHS Direct] 12 1996.6 1998 Demographic and Health Survey Direct (1998) [DHS Direct] 18 2003.1 2004 Demographic and Health Survey Direct (2004) [DHS Direct] 18 2010 2011 Demographic and Health Survey Direct (2011) [DHS Direct] 12 2013 2014 Multiple Indicator Cluster Survey Direct (2014) [Others Direct] 12 2016.9 2018 Demographic and Health Survey Direct (2018) [DHS Direct] Canada 153 2020.5 2018 Demographic and Health Survey Direct (2018) [DHS Direct] Cape Verde 78 2018.5 3 1992.2 1998 Others Direct (1998) [Others Direct] 2016 2018 Demographic Direct (1998) [Others Direct] 2016				
Q 2012.4 2014 Demographic and Health Survey Direct (2014) [DHS Direct]				
Cameroon 99 2016.9 3 1975.8 1976 Census Direct (Single year) (1976) [Others Direct] 12 1976.5 1978 Other Demographic and Health Survey Direct (1978) [Other DHS Direct] 3 1986.8 1987 Census Direct (Single year) (1987) [Others Direct] 9 1989.2 1991 Demographic and Health Survey Direct (1991) [DHS Direct] 12 1996.6 1998 Demographic and Health Survey Direct (2004) [DHS Direct] 18 2003.1 2004 Demographic and Health Survey Direct (2011) [DHS Direct] 18 2010 2011 Demographic and Health Survey Direct (2011) [DHS Direct] 12 2013 2014 Multiple Indicator Cluster Survey Direct (2014) [Others Direct] 12 2016.9 2018 Demographic and Health Survey Direct (2018) [DHS Direct] Canada 153 2020.5 Vital Registration [VR] Cape Verde 78 2018.5 3 1992.2 1998 Others Direct (1998) [Others Direct]				
3				2014 Demographic and Health Survey Direct (2014) [DHS Direct]
12	Cameroon	99		
Direct 3 1986.8 1987 Census Direct (Single year) (1987) [Others Direct 9 1989.2 1991 Demographic and Health Survey Direct (1991) [DHS Direct 12 1996.6 1998 Demographic and Health Survey Direct (1998) [DHS Direct 18 2003.1 2004 Demographic and Health Survey Direct (2004) [DHS Direct 18 2010 2011 Demographic and Health Survey Direct (2011) [DHS Direct 12 2013 2014 Multiple Indicator Cluster Survey Direct (2014) [Others Direct 12 2016.9 2018 Demographic and Health Survey Direct (2018) [DHS Direct 153 2020.5 Vital Registration [VR] Cape Verde 78 2018.5 3 1992.2 1998 Others Direct (1998) [Others Direct		3		
3		12	1976.5	1978 Other Demographic and Health Survey Direct (1978) [Other DHS
9 1989.2 1991 Demographic and Health Survey Direct (1991) [DHS Direct] 12 1996.6 1998 Demographic and Health Survey Direct (1998) [DHS Direct] 18 2003.1 2004 Demographic and Health Survey Direct (2004) [DHS Direct] 18 2010 2011 Demographic and Health Survey Direct (2011) [DHS Direct] 12 2013 2014 Multiple Indicator Cluster Survey Direct (2014) [Others Direct] 12 2016.9 2018 Demographic and Health Survey Direct (2018) [DHS Direct] Canada 153 2020.5 153 2020.5 Vital Registration [VR] Cape Verde 78 2018.5 3 1992.2 1998 Others Direct (1998) [Others Direct]				Direct]
9 1989.2 1991 Demographic and Health Survey Direct (1991) [DHS Direct] 12 1996.6 1998 Demographic and Health Survey Direct (1998) [DHS Direct] 18 2003.1 2004 Demographic and Health Survey Direct (2004) [DHS Direct] 18 2010 2011 Demographic and Health Survey Direct (2011) [DHS Direct] 12 2013 2014 Multiple Indicator Cluster Survey Direct (2014) [Others Direct] 12 2016.9 2018 Demographic and Health Survey Direct (2018) [DHS Direct] Canada 153 2020.5 153 2020.5 Vital Registration [VR] Cape Verde 78 2018.5 3 1992.2 1998 Others Direct (1998) [Others Direct]		3	1986.8	1987 Census Direct (Single year) (1987) [Others Direct]
12				
18				
18				
12 2013 2014 Multiple Indicator Cluster Survey Direct (2014) [Others Direct] 2016.9 2018 Demographic and Health Survey Direct (2018) [DHS Direct] Canada 153 2020.5				
12 2016.9 2018 Demographic and Health Survey Direct (2018) [DHS Direct] Canada				
Canada 153 2020.5 Vital Registration [VR] Cape Verde 78 2018.5 3 1992.2 1998 Others Direct (1998) [Others Direct]				• • • • • • • • • • • • • • • • • • • •
153 2020.5 Vital Registration [VR] Cape Verde 78 2018.5 3 1992.2 1998 Others Direct (1998) [Others Direct]	Const.			2016 Demographic and nearth survey Direct (2018) [DHS Direct]
Cape Verde 78 2018.5 3 1992.2 1998 Others Direct (1998) [Others Direct]	Canada			AV. 1D. C. C. CVD.
3 1992.2 1998 Others Direct (1998) [Others Direct]				Vital Registration [VR]
	Cape Verde			
3 2000 2000 Census Direct (Single year) (2000) [Others Direct]		3		
		3	2000	2000 Census Direct (Single year) (2000) [Others Direct]

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	#	Most		
Country	obs.	recent	Data series name [source type]	
	UDS.	obs. year		
	3	2009.5	2010 Census Direct (Single year) (2010) [Others Direct]	
	18	1999.5	Adjusted Vital Registration [VR]	
	51	2018.5	Vital Registration [VR]	
Central African	39	2017.4		
Republic				
1	3	1959.5	1959–1960 Survey Direct (Single year) (1959–1960) [Others Direct]	
	3	1988.4	1988 Census Direct (Single year) (1988) [Others Direct]	
	18	1993.7	1994–1995 Demographic and Health Survey Direct (1994–1995) [DHS	
			Direct]	
	3	2003.4	2003 Census Direct (Single year) (2003) [Others Direct]	
	12	2017.4	2019 Multiple Indicator Cluster Survey Direct (2019) [Others Direct]	
Chad	75	2018.3	2015 Manaple maleuror classes survey Breet (2015) [Guiers Breet]	
Chuc	18	1995.9	1996–1997 Demographic and Health Survey Direct (1996–1997) [DHS	
	10	1/////	Direct]	
	18	2003.5	2004 Demographic and Health Survey Direct (2004) [DHS Direct]	
	3	2003.9	2009 Census Direct (Single year) (2009) [Others Direct]	
	18	2013.7	2014–2015 Demographic and Health Survey Direct (2014–2015) [DHS	
	10	2013.7	Direct]	
	18	2018.3	2019 Multiple Indicator Cluster Survey Direct (2019) [Others Direct]	
Chile	150	2020.5	2019 Waltiple Haleator Cluster Survey Direct (2019) [Others Direct]	
Cilie	150	2020.5	Vital Registration [VR]	
China	33	2010.5	Vital Registration [VR]	
Cillia	3	1973.5	$1964-1982 \text{ CHN}_{Census_1}9641982_{D}irect[OthersDirect]$	
	3	1975.5	$1904-1902 \text{ CHN}_{Census}[904-1982_{Direct}]OthersDirect]$ $1982-1990 \text{ CHN}_{Census}[982-1990_{Direct}]OthersDirect]$	
	3	1995.5	$1990-2000 \text{ CHN}_{Census_1}990 - 2000_{Direct}[OthersDirect]$	
	3	2000.5	$1999-2000 \text{ CHN}_{Census_1}999 - 2000_{Direct}[OthersDirect]$ $1999-2000 \text{ CHN}_{Census_1}999 - 2000_{Direct}[OthersDirect]$	
	3	2005.5	$2000-2010 \text{ CHN}_{Census}_{2}0002010_{D}irect[OthersDirect]$	
	18	2010.5	CDC Surveillance surveys [VR]	
Colombia	117	2020.5	CDC but ventance surveys [VK]	
Coloniola	3	1980.7	1986 Demographic and Health Survey Direct (1986) [DHS Direct]	
	3	1984.3	1990 Demographic and Health Survey Direct (1990) [DHS Direct]	
	3	1989.2	1995 Demographic and Health Survey Direct (1995) [DHS Direct]	
	3	1989.2	2000 Demographic and Health Survey Direct (2000) [DHS Direct]	
	3	2005.4	2005 Census Direct (Single year) (2005) [Others Direct]	
	6	2001.7	2005 Census Direct (Single year) (2005) [Others Direct] 2005 Demographic and Health Survey Direct (2005) [DHS Direct]	
	9	2007.8	2010 Demographic and Health Survey Direct (2010) [DHS Direct]	
	3	2007.3	2015 Demographic and Health Survey Direct (2015) [DHS Direct]	
	84	2020.5	Adjusted Vital Registration [VR]	
Comoros	15	2017.6		
301110100	3	1958.2	1958 Census Direct (Single year) (1958) [Others Direct]	
	3	1990.2	1996 Demographic and Health Survey Direct (1996) [DHS Direct]	
	3	2003.2	2003 Census Direct (Single year) (2003) [Others Direct]	
	3	2006.6	2012 Demographic and Health Survey Direct (2012) [DHS Direct]	
	3	2017.6	2017 Census Direct (Single year) (2017) [Others Direct]	
Congo	23	2011.9	(2017) [201610 Bites]	
Jongo	8	2003.5	2005 Demographic and Health Survey Direct (2005) [DHS Direct]	
ı		2005.5	Continued on next negative	

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	#	Most	
Country		recent	Data series name [source type]
	obs.	obs. year	
	9	2009.7	2011–2012 Demographic and Health Survey Direct (2011–2012) [DHS
			Direct]
	6	2011.9	2014–2015 Multiple Indicator Cluster Survey Direct (2015) [Others Di-
	0	2011.9	•
D 4' D	20	2015	rect]
Democratic Re-	30	2015	
public of the			
Congo			
	9	2005.5	2007 Demographic and Health Survey Direct (2007) [DHS Direct]
	15	2012.6	2013–2014 Demographic and Health Survey Direct (2013–2014) [DHS
			Direct]
	6	2015	2018 Multiple Indicator Cluster Survey Direct (2018) [Others Direct]
Cook Islands	12	2008	
	12	2008	Vital Registration [VR]
Costa Rica	96	2020.5	
	96	2020.5	Adjusted Vital Registration [VR]
Cote d'Ivoire	71	2014.8	Trajusted That registration [TT]
Cole a Tyone	3	1977.5	1978–1979 Demographic Survey Repeated Passages Direct (Single
)	1977.3	year) (1978–1979) [Others Direct]
	17	1070.6	
	17	1979.6	1981 Other Demographic and Health Survey Direct (1981) [Other DHS
			Direct]
	18	1993.4	1994 Demographic and Health Survey Direct (1994) [DHS Direct]
	6	1995.7	1998–1999 Demographic and Health Survey Direct (1998–1999) [DHS
			Direct]
	3	1999.6	2005 Demographic and Health Survey Direct (2005) [Other DHS Di-
			rect]
	12	2010.4	2011–2012 Demographic and Health Survey Direct (2011–2012) [DHS
			Direct]
	12	2014.8	2016 Multiple Indicator Cluster Survey Direct (2016) [Others Direct]
Croatia	117	2021.5	and the second of the second o
Cround	3	2010.8	2011 Census Direct (Single year) (2011) [Others Direct]
	114	2021.5	Vital Registration [VR]
Cuba	96	2020.5	vital Registration [vR]
Cuba			Vital Designation [VD]
C	96	2020.5	Vital Registration [VR]
Cyprus	82	2019.5	A1' / 137/ 1D ' / / 57/D3
	46	2019.5	Adjusted Vital Registration [VR]
	36	2000.5	Vital Registration [VR]
Czech Republic	156	2021.5	
	156	2021.5	Vital Registration [VR]
Denmark	156	2021.5	
	156	2021.5	Vital Registration [VR]
Djibouti	6	2006.5	
<u> </u>	3	1996.8	2002 Others Direct (2002) [Others Direct]
	3	2006.5	2012 Others Direct (2012) [Others Direct]
Dominica	32	2015.5	
2 diminou	11	2000.5	Adjusted Vital Registration [VR]
	11	2000.5	Augustea vitai registration [vit]

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~	#	Most	
Country	obs.	recent	Data series name [source type]
		obs. year	
	21	2015.5	Vital Registration [VR]
Dominican Repub-	39	2013.8	
lic			
	3	1969	1975 Other Demographic and Health Survey Direct (1975) [Other DHS
			Direct]
	3	1972.3	1980 Other Demographic and Health Survey Direct (1980) [Other DHS
			Direct]
	6	1983.7	1986 Demographic and Health Survey Direct (1986) [DHS Direct]
	3	1985.5	1991 Demographic and Health Survey Direct (1991) [DHS Direct]
	3	1990.7	1996 Demographic and Health Survey Direct (1996) [DHS Direct]
	6	1999.5	2002 Demographic and Health Survey Direct (2002) [DHS Direct]
	6	2004.2	2007 Demographic and Health Survey Direct (2007) [DHS Direct]
	3	2007.5	2013 Demographic and Health Survey Direct (2013) [DHS Direct]
	3	2008.5	2014 Multiple Indicator Cluster Survey Direct (2014) [Others Direct]
	3	2013.8	2019 Multiple Indicator Cluster Survey Direct (2019) [Others Direct]
Ecuador	117	2020.5	2017 Managio indicator Glaster Survey Bricet (2017) [Others Bricet]
Leuadoi	3	1981	1987 Demographic and Health Survey Direct (1987) [DHS Direct]
	6	1991.4	1994 Others Direct (1994) [Others Direct]
	9	1991.4	1999 Others Direct (1999) [Others Direct]
	3	1997.2	
			2004 Others Direct (2004) [Others Direct]
	3	2006.6	2012 Others Direct (2012) [Others Direct]
	3	2012.9	2018 Others Direct (2018) [Others Direct]
D	90	2020.5	Vital Registration [VR]
Egypt	201	2019.5	1000 01
	18	1979.1	1980 Other Demographic and Health Survey Direct (1980) [Other DHS
		100-0	Direct]
	12	1987.2	1988 Demographic and Health Survey Direct (1988) [DHS Direct]
	12	1989.5	1991 Others Direct (1991) [Others Direct]
	12	1991.3	1992 Demographic and Health Survey Direct (1992) [DHS Direct]
	12	1994.3	1995 Demographic and Health Survey Direct (1995) [DHS Direct]
	12	1998.6	2000 Demographic and Health Survey Direct (2000) [DHS Direct]
	6	2000.3	2003 Demographic and Health Survey Direct (2003) [DHS Direct]
	12	2003.7	2005 Demographic and Health Survey Direct (2005) [DHS Direct]
	6	2005.2	2008 Demographic and Health Survey Direct (2008) [DHS Direct]
	6	2011.2	2014 Demographic and Health Survey Direct (2014) [DHS Direct]
	42	2019.5	Adjusted Vital Registration [VR]
	51	2005.5	Vital Registration [VR]
El Salvador	101	2019.5	
	3	1992.2	1992 Census Direct (Single year) (1992) [Others Direct]
	2	1987.2	1993 Others Direct (1993) [Others Direct]
	3	1992.3	1998 Others Direct (1998) [Others Direct]
	3	1996.9	2002 Others Direct (2002) [Others Direct]
	3	2006.9	2007 Census Direct (Single year) (2007) [Others Direct]
	3	2002.3	2008 Others Direct (2008) [Others Direct]
	3	2008.2	2014 Multiple Indicator Cluster Survey Direct (2014) [Others Direct]
	81	2019.5	Vital Registration [VR]
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	#	Most		
Country	obs.	recent	Data series name [source type]	
	UDS.	obs. year		
Equatorial Guinea				
Eritrea	39	2009.1		
	9	1993.7	1995–1996 Demographic and Health Survey Direct (1995) [DHS Di-	
			rect]	
	12	2000.7	2002 Demographic and Health Survey Direct (2002) [DHS Direct]	
	18	2009.1	2010 Others Direct (2010) [Other DHS Direct]	
Estonia	156	2020.5		
	3	2011.6	2011–2012 Census Direct (Single year) (2011–2012) [Others Direct]	
	153	2020.5	Vital Registration [VR]	
Ethiopia	72	2016.2		
	18	1999.1	2000 Demographic and Health Survey Direct (2000) [DHS Direct]	
	18	2004.2	2005 Demographic and Health Survey Direct (2005) [DHS Direct]	
	18	2009.9	2011 Demographic and Health Survey Direct (2011) [DHS Direct]	
	12	2014.5	2016 Demographic and Health Survey Direct (2016) [DHS Direct]	
	6	2016.2	2019 Demographic and Health Survey Direct (2019) [DHS Direct]	
Federated States of	_			
Micronesia				
Fiji	63	2019.5		
- 1,1	6	1971.1	1974 Other Demographic and Health Survey Direct (1974) [Other DHS	
		17,111	Direct]	
	57	2019.5	Adjusted Vital Registration [VR]	
Finland	156	2021.5	ridusted vital registration [vit]	
Timana	156	2021.5	Vital Registration [VR]	
France	153	2020.5	vital registration [viv]	
Trance	153	2020.5	Vital Registration [VR]	
Gabon	12	2006	vital registration [viv]	
Gabon	9	1998.5	2000 Demographic and Health Survey Direct (2000) [DHS Direct]	
	3	2006	2012 Demographic and Health Survey Direct (2012) [DHS Direct]	
The Gambia	24	2017.8	2012 Demographic and Health Survey Direct (2012) [Diris Direct]	
The Gambia	3	2017.8	2013 Census Direct (Single year) (2013) [Others Direct]	
	12	2012.6	2018 Multiple Indicator Cluster Survey Direct (2018) [Others Direct]	
	9	2010.0	2019–2020 Demographic and Health Survey Direct (2020) [DHS Di-	
		2017.0	rect]	
Georgia	98	2021.5	icetj	
Georgia	3	1993.9	1999 Others Direct (1999) [Others Direct]	
	3	1993.9	2005 Others Direct (2005) [Others Direct]	
	33	2001.5	Adjusted Vital Registration [VR]	
	57	2001.5	Vital Registration [VR]	
Germany	153	2021.5	vitai negistiation [vit]	
Germany	153	2021.5	Vital Registration [VR]	
Ghana	94	2016.3	vitai registiation [vr]	
Gilalia	11	1986.6	1988 Demographic and Health Survey Direct (1988) [DHS Direct]	
	12	1986.6		
	12	1772.2	1993–1994 Demographic and Health Survey Direct (1993) [DHS Direct]	
	9	1996.8	rect] 1008 1000 Demographic and Health Survey Direct (1008) [DHS Di	
	9	1990.8	1998–1999 Demographic and Health Survey Direct (1998) [DHS Direct]	
			rect]	

Table 24 – continued from previous page

Table 24 – continued from previous page			
~	#	Most	
Country	obs.	recent	Data series name [source type]
	0.05	obs. year	
	6	2000.5	2003 Demographic and Health Survey Direct (2003) [DHS Direct]
	6	2005.7	2008 Demographic and Health Survey Direct (2008) [DHS Direct]
	3	2010.3	2010 Census Direct (Single year) (2010) [Others Direct]
	9	2009.8	2011 Multiple Indicator Cluster Survey Direct (2011) [Others Direct]
	8	2012.7	2014 Demographic and Health Survey Direct (2014) [DHS Direct]
	18	2013.7	2017 Demographic and Health Survey Direct (2017) [DHS Direct]
	12	2016.3	2017–2018 Multiple Indicator Cluster Survey Direct (2018) [Others Di-
			rect]
Greece	153	2020.5	113
0.000	153	2020.5	Vital Registration [VR]
Grenada	61	2018	The registration [Tri]
Grenada	25	1999.5	Adjusted Vital Registration [VR]
	36	2018	Vital Registration [VR]
Guatemala		2020.5	vital Registration [VK]
Guatemaia	123		1007 Danie angelia and Haelth Common Dinast (1007) [DHC Dinast]
	6	1984.7	1987 Demographic and Health Survey Direct (1987) [DHS Direct]
	12	1993.9	1995 Demographic and Health Survey Direct (1995) [DHS Direct]
	3	1992.8	1998–1999 Demographic and Health Survey Direct (1998) [DHS Di-
	_		rect]
	3	1996.3	2002 Others Direct (2002) [Others Direct]
	3	2002.8	2008 Others Direct (2008) [Others Direct]
	3	2011.7	2014–2015 Demographic and Health Survey Direct (2014–2015) [DHS
			Direct]
	93	2020.5	Vital Registration [VR]
Guinea	81	2017.1	
	3	1954.5	1954–1955 Survey Direct (Single year) (1954–1955) [Others Direct]
	3	1996.4	1996 Census Direct (Single year) (1996) [Others Direct]
	18	1998.3	1999 Demographic and Health Survey Direct (1999) [DHS Direct]
	18	2004.1	2005 Demographic and Health Survey Direct (2005) [DHS Direct]
	18	2011.4	2012 Demographic and Health Survey Direct (2012) [DHS Direct]
	3	2013.8	2014 Census Direct (Single year) (2014) [Others Direct]
	18	2017.1	2018 Demographic and Health Survey Direct (2018) [DHS Direct]
Guinea-Bissau	37	2016.1	
	10	2008.8	2010 Multiple Indicator Cluster Survey Direct (2010) [Others Direct]
	18	2013.2	2014 Multiple Indicator Cluster Survey Direct (2014) [Others Direct]
	9	2016.1	2018–2019 Multiple Indicator Cluster Survey Direct (2019) [Others Di-
		2010.1	rect]
Guyana	99	2014.5	Toolj
Guyana		1972.4	1975 Other Demographic and Health Survey Direct (1975) [Other DHS
	6	1714.4	
	2	1000.4	Direct]
	3	1999.4	2005 Demographic and Health Survey Direct (2005) [Other DHS Di-
		2002.2	rect]
	3	2003.2	2009 Demographic and Health Survey Direct (2009) [DHS Direct]
	3	2012.2	2012 Census Direct (Single year) (2012) [Others Direct]
	3	2008.3	2014 Multiple Indicator Cluster Survey Direct (2014) [Others Direct]
	3	2013.5	2019–2020 Multiple Indicator Cluster Survey Direct (2020) [Others Di-
			rect]
			Continued on next page

Table 24 – continued from previous page

	Table 24 – continued from previous page			
	#	Most		
Country	obs.	recent	Data series name [source type]	
	ons.	obs. year		
	78	2014.5	Vital Registration [VR]	
Haiti	44	2014.8		
	8	1975.5	1977 Other Demographic and Health Survey Direct (1977) [Other DHS	
			Direct]	
	9	1992.5	1994–1995 Demographic and Health Survey Direct (1994–1995) [DHS	
			Direct]	
	6	1997.1	2000 Demographic and Health Survey Direct (2000) [DHS Direct]	
	9	2001.2	2005–2006 Demographic and Health Survey Direct (2005–2006) [DHS	
			Direct]	
	6	2007.5	2012 Demographic and Health Survey Direct (2012) [DHS Direct]	
	6	2014.8	2016–2017 Demographic and Health Survey Direct (2016–2017) [DHS	
			Direct]	
Honduras	38	2016.5		
	3	1971.3	1970–1972 National Demographic Survey Direct (Single year) (1970–	
			1972) [Others Direct]	
	3	1982.5	1983 National Demographic Survey Direct (Single year) (1983) [Others	
			Direct]	
	3	1990.1	1996 Others Direct (1996) [Others Direct]	
	3	2001.1	2001 Census Direct (Single year) (2001) [Others Direct]	
	3	1992.2	2001 Others Direct (2001) [Others Direct]	
	8	2003.7	2005–2006 Demographic and Health Survey Direct (2005–2006) [DHS	
			Direct]	
	6	2008.7	2011–2012 Demographic and Health Survey Direct (2011–2012) [DHS	
			Direct]	
	3	2013.1	2013 Census Direct (Single year) (2013) [Others Direct]	
	6	2016.5	2019 Multiple Indicator Cluster Survey Direct (2019) [Others Direct]	
Hungary	153	2020.5		
	153	2020.5	Vital Registration [VR]	
Iceland	91	2018.5		
	91	2018.5	Vital Registration [VR]	
India	177	2020.5		
	3	1970.5	1971 Census Direct (Single year) (1971) [Others Direct]	
	3	1980.5	1981 Census Direct (Single year) (1981) [Others Direct]	
	18	1991.2	1992–1993 Demographic and Health Survey Direct (1992–1993) [DHS	
			Direct]	
	3	1991.9	1992–1993 National Family Health Survey Direct (Single year) (1992–	
			1993) [DHS Direct]	
	18	1997.8	1998–1999 Demographic and Health Survey Direct (1998–1999) [DHS	
		1000 -	Direct]	
	3	1998.2	1998–1999 National Family Health Survey Direct (Single year) (1998–	
	10	2004.0	1999) [DHS Direct]	
	18	2004.8	2005–2006 Demographic and Health Survey Direct (2005–2006) [DHS	
	111	2020.5	Direct]	
T 1 .	111	2020.5	Sample Registration System [VR]	
Indonesia	147	2016.6	Continued on payt page	

Table 24 – continued from previous page

			e 24 – continued from previous page
	#	Most	
Country	obs.	recent	Data series name [source type]
	uns.	obs. year	
	3	1964.5	1964–1965 National Socio–economic Survey Direct (Single year)
			(1964–1965) [Others Direct]
	18	1975.2	1976 Other Demographic and Health Survey Direct (1976) [Other DHS
			Direct]
	18	1986.7	1987 Demographic and Health Survey Direct (1987) [DHS Direct]
	18	1990.3	1991 Demographic and Health Survey Direct (1991) [DHS Direct]
	18	1993.5	1994 Demographic and Health Survey Direct (1994) [DHS Direct]
	18	1996.7	1997 Demographic and Health Survey Direct (1997) [DHS Direct]
	12	2001.2	2002–2003 Demographic and Health Survey Direct (2002–2003) [DHS
	1-	2001.2	Direct]
	12	2005.9	2007 Demographic and Health Survey Direct (2007) [DHS Direct]
	3	2009.9	2010 Census Direct (Single year) (2010) [Others Direct]
	9	2010.8	2010 Census Direct (Single year) (2010) [Others Direct] 2012 Demographic and Health Survey Direct (2012) [DHS Direct]
	18	2010.8	2012 Demographic and Health Survey Direct (2012) [DHS Direct]
Iran (Islamic Re-	42	2010.0	2017 Demographic and Health Survey Direct (2017) [DHS Direct]
public of)	42	2017.3	
public 01)	2	1975	1973–1976 Population Growth Survey Household Deaths (1973–1976)
	3	1973	· · · · · · · · · · · · · · · · · · ·
	2	1005 5	[Others Direct]
	3	1985.5	1986 Census Household Deaths (1986) [Others Direct]
	3	1999.5	2000 Demographic and Health Survey Household Deaths (2000) [Other
	22	2017.5	DHS Direct]
*	33	2017.5	Adjusted Vital Registration [VR]
Iraq	24	2012.2	2006 16 14 14 14 15 16 16 16 16 16 16 16 16 16 16 16 16 16
	9	2004.2	2006 Multiple Indicator Cluster Survey Direct (2006) [Others Direct]
	9	2009.2	2011 Multiple Indicator Cluster Survey Direct (2011) [Others Direct]
	3	2012.2	2018 Multiple Indicator Cluster Survey Direct (2018) [Others Direct]
~ .	3	1974	Sample Registration System [VR]
Ireland	153	2020.5	
	153	2020.5	Vital Registration [VR]
Israel	141	2021.5	
	141	2021.5	Vital Registration [VR]
Italy	153	2020.5	
	153	2020.5	Vital Registration [VR]
Jamaica	3	2010.2	
	3	2010.2	2011 Census Direct (Single year) (2011) [Others Direct]
Japan	150	2021.5	
	150	2021.5	Vital Registration [VR]
Jordan	20	2011.7	
	3	1984.7	1990 Demographic and Health Survey Direct (1990) [DHS Direct]
	3	1991.4	1997 Demographic and Health Survey Direct (1997) [DHS Direct]
	3	1996.5	2002 Demographic and Health Survey Direct (2002) [DHS Direct]
	3	2001.4	2007 Demographic and Health Survey Direct (2007) [DHS Direct]
	2	2003.7	2009 Demographic and Health Survey Direct (2009) [DHS Direct]
	3	2006.7	2012 Demographic and Health Survey Direct (2012) [DHS Direct]
	3	2011.7	2017 Demographic and Health Survey Direct (2017) [DHS Direct]
Kazakhstan	105	2021.5	
			Continued on next page

Table 24 – continued from previous page

	Table 24 – continued from previous page				
	#	Most			
Country	obs.	recent	Data series name [source type]		
	ons.	obs. year			
	3	1989.3	1995 Demographic and Health Survey Direct (1995) [DHS Direct]		
	3	1993.5	1999 Demographic and Health Survey Direct (1999) [DHS Direct]		
	99	2021.5	Vital Registration [VR]		
Kenya	73	2013.3	The registration [+ 10]		
Renyu	11	1976.1	1978 Other Demographic and Health Survey Direct (1978) [Other DHS		
	11	1770.1	Direct]		
	6	1985.9	1989 Demographic and Health Survey Direct (1989) [DHS Direct]		
	9	1983.9	1993 Demographic and Health Survey Direct (1993) [DHS Direct]		
	_		T = -		
	11	1996.6	1998 Demographic and Health Survey Direct (1998) [DHS Direct]		
	12	2001.7	2003 Demographic and Health Survey Direct (2003) [DHS Direct]		
	6	2005.8	2008–2009 Demographic and Health Survey Direct (2008–2009) [DHS		
			Direct]		
	18	2013.3	2014 Demographic and Health Survey Direct (2014) [DHS Direct]		
Kiribati	3	2012.9			
	3	2012.9	2019 Multiple Indicator Cluster Survey Direct (2019) [Others Direct]		
Democratic Peo-	6	2008.3			
ple's Republic of					
Korea					
	3	1993.5	1993 Census Direct (Single year) (1993) [Others Direct]		
	3	2008.3	2008 Census Direct (Single year) (2008) [Others Direct]		
Republic of Korea	105	2021.5	2000 Census Direct (Single year) (2000) [Caners Direct]		
Republic of Rolea	6	1971.7	1974 Other Demographic and Health Survey Direct (1974) [Other DHS		
	0	19/1./	Direct]		
	99	2021.5	_		
17			Vital Registration [VR]		
Kosovo	4	2014	2010 2020 M It' 1 I I' + CI + C P' + (2020) FOIL D'		
	2	2014	2019–2020 Multiple Indicator Cluster Survey Direct (2020) [Others Di-		
			rect]		
Kuwait	87	2019.5			
	87	2019.5	Vital Registration [VR]		
Kyrgyzstan	110	2021.5			
	3	1991.6	1997 Demographic and Health Survey Direct (1997) [DHS Direct]		
	2	2006.6	2012 Demographic and Health Survey Direct (2012) [DHS Direct]		
	3	2008.3	2014 Multiple Indicator Cluster Survey Direct (2014) [Others Direct]		
	3	2012.8	2018 Multiple Indicator Cluster Survey Direct (2018) [Others Direct]		
	99	2021.5	Vital Registration [VR]		
Lao People's	51	2016.1			
Democratic Re-					
public					
1	3	2004.8	2005 Census Direct (Single year) (2005) [Others Direct]		
	18	2004.8	2005 Others Direct (2005) [Others Direct]		
	18	2010.8	2012 Multiple Indicator Cluster Survey Direct (2012) [DHS Direct]		
	12	2016.1	2017 Multiple Indicator Cluster Survey Direct (2012) [Direct]		
Latvia	153	2010.1	2017 Manaple indicator Cluster Survey Direct (2017) [Others Direct]		
Latvia			Vital Pagistration [VD]		
Labour	153	2021.5	Vital Registration [VR]		
Lebanon	3	1990	Continued on next nego		

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	Table 24 – continued from previous page				
	#	Most			
Country	obs.	recent	Data series name [source type]		
	UDS.	obs. year			
	3	1990	1996 Others Direct (1996) [Others Direct]		
Lesotho	27	2015.5			
	3	1971.9	1971–1973 Demographic Survey Direct (Single year) (1971–1973)		
			[Others Direct]		
	6	1974.6	1977 Other Demographic and Health Survey Direct (1977) [Other DHS		
			Direct]		
	3	2000.9	2001 Demographic Survey Direct (Single year) (2001) [Others Direct]		
	3	1998.7	2004 Demographic and Health Survey Direct (2004) [DHS Direct]		
	3	2003.7	2009 Demographic and Health Survey Direct (2009) [DHS Direct]		
	3	2008.7	2014 Demographic and Health Survey Direct (2014) [DHS Direct]		
	3	2015.5	2016 Census Direct (Single year) (2016) [Others Direct]		
	3	2012.3	2018 Multiple Indicator Cluster Survey Direct (2018) [Others Direct]		
Liberia	51	2017.7	1 7 7 3		
	3	1969.5	1969–1970 Population Growth Survey Direct (Single year) (1969–		
		-, 0, 10	1970) [Others Direct]		
	6	1983.1	1986 Demographic and Health Survey Direct (1986) [DHS Direct]		
	9	2004.9	2006–2007 Demographic and Health Survey Direct (2006–2007) [DHS		
		200	Direct]		
	12	2007.4	2008–2009 Demographic and Health Survey Direct (2008–2009) [Other		
	12	2007.1	DHS Direct]		
	12	2011.7	2013 Demographic and Health Survey Direct (2013) [DHS Direct]		
	9	2017.7	2019–2020 Demographic and Health Survey Direct (2020) [DHS Di-		
		2017.7	rect]		
Libya	12	2004.4			
210) 4	6	1992	1995 Others Direct (1995) [Others Direct]		
	6	2004.4	2007 Others Direct (2007) [Others Direct]		
Lithuania	162	2021.5	2007 (2007) [
Dittiourita	3	2010.8	2011 Census Direct (Single year) (2011) [Others Direct]		
	3	2017.5	2018 Statistical Survey Direct (Single year) (2018) [Others Direct]		
	156	2021.5	Vital Registration [VR]		
Luxembourg	90	2020.5	The region when [+ 22]		
Lancinioung	90	2020.5	Vital Registration [VR]		
Macedonia	93	2020.5			
1,1uccaomu	93	2020.5	Adjusted Vital Registration [VR]		
Madagascar	87	2020.3	Tagasta Tan Inglorunon [TII]		
1,144484541	3	1966.1	1966 Demographic Survey Direct (Single year) (1966) [Others Direct]		
	3	1993.1	1993 Census Direct (Single year) (1993) [Others Direct]		
	18	1995.1	1997 Demographic and Health Survey Direct (1997) [DHS Direct]		
	9	2001.8	2003–2004 Demographic and Health Survey Direct (2003–2004) [DHS		
		2001.0	Direct]		
	18	2007.8	2008–2009 Demographic and Health Survey Direct (2008–2009) [DHS		
	10	2007.0	Direct]		
	18	2017.7	2018 Multiple Indicator Cluster Survey Direct (2018) [Others Direct]		
	18	2017.7	2021 Demographic and Health Survey Direct (2021) [DHS Direct]		
Malawi	152	2020.2	2021 Demographic and Health Survey Direct (2021) [DHS DIRECT]		
ivialawi	132	2019	Continued on next mage		

Table 24 – continued from previous page

Table 24 – continued from previous page				
	#	Most		
Country	obs.	recent	Data series name [source type]	
	ODS.	obs. year		
	2	1971.1	1970–1972 Population Change Survey Direct (2 year) (1970–1972)	
			[Others Direct]	
	3	1977.2	1977 Census Direct (Single year) (1977) [Others Direct]	
	3	1983.9	1984 Family Formation Survey Direct (Single year) (1984) [Others Di-	
			rect]	
	3	1987.2	1987 Census Direct (Single year) (1987) [Others Direct]	
	12	1991.2	1992 Demographic and Health Survey Direct (1992) [DHS Direct]	
	18	1999.5	2000 Demographic and Health Survey Direct (2000) [DHS Direct]	
	18	2003.7	2004 Demographic and Health Survey Direct (2004) [DHS Direct]	
	18	2005.6	2006 Multiple Indicator Cluster Survey Direct (2006) [Others Direct]	
	18	2009.4	2010 Demographic and Health Survey Direct (2010) [DHS Direct]	
	18	2012.9	2013–2014 Multiple Indicator Cluster Survey Direct (2014) [Others Di-	
			rect]	
	18	2014.7	2015–2016 Demographic and Health Survey Direct (2015–2016) [DHS	
			Direct]	
	3	2018.2	2018 Census Direct (Single year) (2018) [Others Direct]	
	18	2019	2019–2020 Multiple Indicator Cluster Survey Direct (2020) [Others Di-	
			rect]	
Malaysia	99	2021.5		
·	9	1972.6	1974 Other Demographic and Health Survey Direct (1974) [Other DHS	
			Direct]	
	90	2021.5	Vital Registration [VR]	
Maldives	93	2020.5		
	3	2003	2009 Demographic and Health Survey Direct (2009) [DHS Direct]	
	3	2010.2	2016–2017 Demographic and Health Survey Direct (2017) [DHS Di-	
			rect]	
	18	1994.5	Adjusted Vital Registration [VR]	
	69	2020.5	Vital Registration [VR]	
Mali	107	2017.6		
	3	1976.4	1976 Census Direct (Single year) (1976) [Others Direct]	
	12	1985.7	1987 Demographic and Health Survey Direct (1987) [DHS Direct]	
	18	1994.8	1995–1996 Demographic and Health Survey Direct (1995–1996) [DHS	
			Direct]	
	3	1997.8	1998 Census Direct (Single year) (1998) [Others Direct]	
	18	2000	2001 Demographic and Health Survey Direct (2001) [DHS Direct]	
	18	2005.3	2006 Demographic and Health Survey Direct (2006) [DHS Direct]	
	18	2014.6	2015 Multiple Indicator Cluster Survey Direct (2015) [Others Direct]	
	17	2017.6	2018 Demographic and Health Survey Direct (2018) [DHS Direct]	
Malta	51	2021.5		
	51	2021.5	Vital Registration [VR]	
Marshall Islands				
Mauritania	63	2017.9		
	3	1977	1976–1977 Census Direct (Single year) (1976–1977) [Others Direct]	
	12	1979.8	1981 Other Demographic and Health Survey Direct (1981) [Other DHS	
			Direct]	
	3	1987.8	1988 Census Direct (Single year) (1988) [Others Direct]	
	-		Continued on next nage	

Table 24 – continued from previous page

Table 24 – continued from previous page				
		#	Most	
Country		obs.	recent	Data series name [source type]
		UD5.	obs. year	
		12	1988.5	1990 Others Direct (1990) [Others Direct]
		6	1997.6	2000–2001 Demographic and Health Survey Direct (2000–2001) [DHS
				Direct]
		9	2009.5	2011 Multiple Indicator Cluster Survey Direct (2011) [Others Direct]
		9	2013.6	2015 Multiple Indicator Cluster Survey Direct (2015) [Others Direct]
		9	2017.9	2021 Demographic and Health Survey Direct (2021) [DHS Direct]
Mauritius		96	2020.5	, , , , , , , , , , , , , , , , , , , ,
		96	2020.5	Vital Registration [VR]
Mexico		132	2020.5	
		3	1981.1	1987 Demographic and Health Survey Direct (1987) [DHS Direct]
		12	2007.6	2009 Others Direct (2009) [Others Direct]
		9	2012.7	2014 Others Direct (2014) [Others Direct]
		12	2017.2	2018 Others Direct (2018) [Others Direct]
		96	2020.5	Vital Registration [VR]
Republic	of	99	2020.5	vital registration [vr]
Moldova	OI	,,	2020.3	
Williaova		3	1999.4	2005 Demographic and Health Survey Direct (2005) [DHS Direct]
			2006.3	2012 Multiple Indicator Cluster Survey Direct (2012) [Others Direct]
		3 93	2020.5	
Manage		93	2020.5	Vital Registration [VR]
Monaco		00	2010.5	
Mongolia		99	2019.5	1000 Od - B' - (1000) FOd - B' - d
		3	1992.8	1998 Others Direct (1998) [Others Direct]
		3	2009.5	2010 Census Direct (Single year) (2010) [Others Direct]
		3	2007.8	2013–2014 Multiple Indicator Cluster Survey Direct (2014) [Others Di-
		_		rect]
		3	2012.8	2018 Multiple Indicator Cluster Survey Direct (2018) [Others Direct]
		27	1999.5	Adjusted Vital Registration [VR]
		60	2019.5	Vital Registration [VR]
Montenegro		78	2021	
		36	2002.5	Adjusted Vital Registration [VR]
		42	2021	Vital Registration [VR]
Montserrat		3	2004.5	
		3	2004.5	Vital Registration [VR]
Morocco		57	2010	
		9	1978.3	1980 Other Demographic and Health Survey Direct (1980) [Other DHS
				Direct]
		12	1985.8	1987 Demographic and Health Survey Direct (1987) [DHS Direct]
		6	1989	1992 Demographic and Health Survey Direct (1992) [DHS Direct]
		3	1989	1995 Demographic and Health Survey Direct (1995) [DHS Direct]
		6	1994	1997 Others Direct (1997) [Others Direct]
		9	2001.7	2003–2004 Demographic and Health Survey Direct (2003–2004) [DHS
				Direct]
		9	2001	2004 Others Direct (2004) [Others Direct]
		3	2010	2009–2010 National Demographic Survey with repeated passages Di-
				rect (Single year) (2009–2010) [Others Direct]
Mozambique		48	2009.9	76 77
		. 0		Continued on next page

Table 24 – continued from previous page

	Table 24 – continued from previous page				
	#	Most			
Country	obs.	recent	Data series name [source type]		
		obs. year			
	18	2002.6	2003–2004 Demographic and Health Survey Direct (2003) [DHS Di-		
			rect]		
	18	2007.7	2008 Multiple Indicator Cluster Survey Direct (2008) [Others Direct]		
	12	2009.9	2011 Demographic and Health Survey Direct (2011) [DHS Direct]		
Myanmar	9	2013.8			
	3	2013.8	2014 Census Direct (Single year) (2014) [Others Direct]		
	6	2012.9	2015–2016 Demographic and Health Survey Direct (2015–2016) [DHS		
			Direct]		
Namibia	33	2015.5			
	9	1990.5	1992 Demographic and Health Survey Direct (1992) [DHS Direct]		
	3	1994.7	2000 Demographic and Health Survey Direct (2000) [DHS Direct]		
	3	2001	2001 Census Direct (Single year) (2001) [Others Direct]		
	6	2003.8	2006–2007 Demographic and Health Survey Direct (2006–2007) [DHS		
			Direct]		
	3	2011.2	2011 Census Direct (Single year) (2011) [Others Direct]		
	6	2010.3	2013 Demographic and Health Survey Direct (2013) [DHS Direct]		
	3	2015.5	2016 Inter–censal Demographic Survey Direct (Single year) (2016)		
		2013.3	[Others Direct]		
Nauru			[Others Direct]		
Nepal	91	2013.4			
Тераг	18	1990.6	1991 Others Direct (1991) [Others Direct]		
	18	1990.0	1996 Demographic and Health Survey Direct (1996) [DHS Direct]		
	3	2001	2001 Census Direct (Single year) (2001) [Others Direct]		
	17	2001	2001 Census Direct (Single year) (2001) [Others Direct] 2001 Demographic and Health Survey Direct (2001) [DHS Direct]		
	11	2004.6			
		2010.5	2006 Demographic and Health Survey Direct (2006) [DHS Direct]		
	3		2011 Census Direct (Single year) (2011) [Others Direct]		
	6	2008	2011 Demographic and Health Survey Direct (2011) [DHS Direct]		
	6	2011.2	2014 Multiple Indicator Cluster Survey Direct (2014) [Others Direct]		
	6	2013.4	2016 Demographic and Health Survey Direct (2016) [DHS Direct]		
NT .1 1 1	3	2013.3	2019 Multiple Indicator Cluster Survey Direct (2019) [Others Direct]		
Netherlands	156	2021.5	TV 1D 1 T TVD		
	156	2021.5	Vital Registration [VR]		
New Zealand	156	2021.5			
	3	2005.7	2006 Census Direct (Single year) (2006) [Others Direct]		
	153	2021.5	Vital Registration [VR]		
Nicaragua	24	2005.6			
	9	1995.9	1998 Demographic and Health Survey Direct (1998) [DHS Direct]		
	9	1999.7	2001 Demographic and Health Survey Direct (2001) [DHS Direct]		
	3	2000.8	2006 Others Direct (2006) [Others Direct]		
	3	2005.6	2012 Others Direct (2012) [Others Direct]		
Niger	93	2020.3			
	18	1991.2	1992 Demographic and Health Survey Direct (1992) [DHS Direct]		
	18	1997.2	1998 Demographic and Health Survey Direct (1998) [DHS Direct]		
	3	2000.9	2001 Census Direct (Single year) (2001) [Others Direct]		
	18	2005	2006 Demographic and Health Survey Direct (2006) [DHS Direct]		
	18	2011.1	2012 Demographic and Health Survey Direct (2012) [DHS Direct]		
	' '		Continued on next page		

Table 24 – continued from previous page

	Table 24 – continued from previous page				
	#	Most			
Country	obs.	recent	Data series name [source type]		
	UDS.	obs. year			
	18	2020.3	2021 Others Direct (2021) [Others Direct]		
Nigeria	100	2017.6			
	3	1965.6	1965–1966 Rural Demographic Sample Survey Direct (Single year)		
			(1965–1966) [Others Direct]		
	16	1989.2	1990 Demographic and Health Survey Direct (1990) [DHS Direct]		
	12	2001.7	2003 Demographic and Health Survey Direct (2003) [DHS Direct]		
	3	2008.1	2008 Demographic and Health Survey Direct (Single year) (2008) [DHS		
		2000.1	Direct]		
	18	2007.4	2008 Demographic and Health Survey Direct (2008) [DHS Direct]		
	9	2007.4	2010 Demographic and Health Survey Direct (2000) [Other DHS Di-		
	9	2008.7	rect]		
	3	2012.8			
	3	2012.8	2013 Demographic and Health Survey Direct (Single year) (2013) [DHS		
	10	2012.1	Direct]		
	18	2012.1	2013 Demographic and Health Survey Direct (2013) [DHS Direct]		
	18	2017.6	2018 Demographic and Health Survey Direct (2018) [DHS Direct]		
Niue	3	1995			
	3	1995	Vital Registration [VR]		
Norway	156	2021.5			
	156	2021.5	Vital Registration [VR]		
Oman					
Pakistan	90	2014.8			
	3	1964	1962–1965 Population Growth Estimation Experiment Direct (Single		
			year) (1962–1965) [Others Direct]		
	3	1970	1971 Population Growth Survey I Direct (Single year) (1971) [Others		
			Direct]		
	6	1987.9	1990–1991 Demographic and Health Survey Direct (1990–1991) [DHS		
			Direct]		
	9	2002.2	2006–2007 Demographic and Health Survey Direct (2006–2007) [DHS		
			Direct]		
	9	2010.7	2012–2013 Demographic and Health Survey Direct (2012–2013) [DHS		
		_310.7	Direct]		
	6	2014.8	2017–2018 Demographic and Health Survey Direct (2018) [DHS Di-		
		2014.0	rect]		
	54	2007.5	Pakistan Demographic Survey [VR]		
Palau	24	2004	Takistan Demographic Survey [VK]		
1 alau	24	2004	Vital Registration [VR]		
Donome		2021.5	vitai rogistiation [viv]		
Panama	96		Adjusted Vital Designation [VD]		
Down N. C.	96	2021.5	Adjusted Vital Registration [VR]		
Papua New Guinea	6	2013.7	2017 2010 D		
	6	2013.7	2016–2018 Demographic and Health Survey Direct (2018) [DHS Di-		
		2010 7	rect]		
Paraguay	23	2010.5			
	6	1976.1	1979 Other Demographic and Health Survey Direct (1979) [Other DHS		
			Direct]		
	3	1984.3	1990 Demographic and Health Survey Direct (1990) [DHS Direct]		
	3	1989.8	1996 Others Direct (1996) [Others Direct]		
			Continued on next page		

Table 24 – continued from previous page

Table 24 – continued from previous page				
	#	Most		
Country	obs.	recent	Data series name [source type]	
	UDS.	obs. year		
	3	2002.2	2002 Census Direct (Single year) (2002) [Others Direct]	
	2	1998.2	2004 Others Direct (2004) [Others Direct]	
	3	2002.5	2008 Others Direct (2008) [Others Direct]	
	3	2010.5	2016 Multiple Indicator Cluster Survey Direct (2016) [Others Direct]	
Peru	111	2015.1		
	6	1983.7	1986 Demographic and Health Survey Direct (1986) [DHS Direct]	
	12	1990.2	1991–1992 Demographic and Health Survey Direct (1991–1992) [DHS	
			Direct]	
	18	1995.6	1996 Demographic and Health Survey Direct (1996) [DHS Direct]	
	18	1999.5	2000 Demographic and Health Survey Direct (2000) [DHS Direct]	
	12	2005.5	2004–2008 Demographic and Health Survey Direct (2008) [DHS Di-	
			rect]	
	9	2007.2	2009 Demographic and Health Survey Direct (2009) [DHS Direct]	
	6	2007.2	2010 Demographic and Health Survey Direct (2010) [DHS Direct]	
	6	2008.2	2011 Demographic and Health Survey Direct (2011) [DHS Direct]	
	6	2009.2	2012 Demographic and Health Survey Direct (2012) [DHS Direct]	
	3	2007.2	2012 Demographic and Health Survey Direct (2012) [DHS Direct]	
	6	2012.2	2013 Demographic and Health Survey Direct (2015) [DHS Direct]	
	3	2012.2	2017 Others Direct (2017) [Other DHS Direct]	
	3	2011.2	2017 Others Direct (2017) [Other DHS Direct] 2018 Others Direct (2018) [Other DHS Direct]	
	3	2012.2	1	
Dhilingings			2021 Others Direct (2021) [Other DHS Direct]	
Philippines	159	2019.5	1070 Other Democratic and Health Common Direct (1070) [Other DHC	
	17	1977.1	1978 Other Demographic and Health Survey Direct (1978) [Other DHS	
	1.7	1002.2	Direct]	
	17	1992.2	1993 Demographic and Health Survey Direct (1993) [DHS Direct]	
	14	1997.1	1998 Demographic and Health Survey Direct (1998) [DHS Direct]	
	12	2001.9	2003 Demographic and Health Survey Direct (2003) [DHS Direct]	
	6	2005.6	2008 Demographic and Health Survey Direct (2008) [DHS Direct]	
	9	2011.6	2013 Demographic and Health Survey Direct (2013) [DHS Direct]	
	6	2014.6	2017 Demographic and Health Survey Direct (2017) [DHS Direct]	
	57	2019.5	Adjusted Vital Registration [VR]	
	21	1999.5	Vital Registration [VR]	
Poland	156	2021.5		
	156	2021.5	Vital Registration [VR]	
Portugal	159	2021.5		
	3	2010.8	2011 Census Direct (Single year) (2011) [Others Direct]	
	156	2021.5	Vital Registration [VR]	
Qatar	89	2020.5		
	89	2020.5	Vital Registration [VR]	
Romania	99	2021.5		
	99	2021.5	Vital Registration [VR]	
Russian Federation	150	2020.5		
	150	2020.5	Vital Registration [VR]	
Rwanda	134	2018.3		
	18	1982.6	1983 Other Demographic and Health Survey Direct (1983) [Other DHS	
			Direct]	
	I	I	Continued on next page	

Table 24 – continued from previous page

	Table 24 – continued from previous page				
	#	Most			
Country	obs.	recent	Data series name [source type]		
	UDS.	obs. year			
	17	1991.4	1992 Demographic and Health Survey Direct (1992) [DHS Direct]		
	15	1999.4	2000 Demographic and Health Survey Direct (2000) [DHS Direct]		
	15	2004.1	2005 Demographic and Health Survey Direct (2005) [DHS Direct]		
	18	2006.9	2008 Demographic and Health Survey Direct (2008) [DHS Direct]		
	18	2009.7	2010 Demographic and Health Survey Direct (2010) [DHS Direct]		
	3	2012.1	2012 Census Direct (Single year) (2012) [Others Direct]		
	18	2013.8	2012 Census Direct (Single year) (2012) [Others Direct] 2014–2015 Demographic and Health Survey Direct (2014–2015) [DHS		
	10	2015.6	Direct]		
	12	2018.3			
	12	2016.5	2019–2020 Demographic and Health Survey Direct (2020) [DHS Di-		
G ' , Tr' 1	22	2015.5	rect]		
Saint Kitts and	23	2015.5			
Nevis		2017.7			
	23	2015.5	Vital Registration [VR]		
Saint Lucia	74	2018.5			
	74	2018.5	Vital Registration [VR]		
Samoa	15	2016.4			
	3	1999	1999 Demographic and Health Survey Direct (Single year) (1999)		
			[Other DHS Direct]		
	2	1999.5	2000 Demographic and Vital Statistics Survey Direct (Single year)		
			(2000) [Others Direct]		
	3	2006.4	2006 Census Direct (Single year) (1976) [Others Direct]		
	3	2011.4	2011 Population and Housing Census Direct (Single year) (2011) [Oth-		
			ers Direct]		
	2	2013.8	2019–2020 Multiple Indicator Cluster Survey Direct (2020) [Others Di-		
	_		rect]		
San Marino	3	1991			
Sun Marino	3	1991	Vital Registration [VR]		
Sao Tome and	11	2013.6	vital registration [vit]		
Principe and	11	2015.0			
Fillicipe	2	2002.7	2000 2000 Dama and Hadd Comm. Direct (2000 2000) [DHC		
	3	2002.7	2008–2009 Demographic and Health Survey Direct (2008–2009) [DHS		
		2011.0	Direct]		
	3	2011.9	2012 Census Direct (Single year) (2012) [Others Direct]		
	2	2008.3	2014 Multiple Indicator Cluster Survey Direct (2014) [Others Direct]		
	3	2013.6	2019 Multiple Indicator Cluster Survey Direct (2019) [Others Direct]		
Saudi Arabia		2017			
Senegal	218	2017.3			
	18	1977.4	1978 Other Demographic and Health Survey Direct (1978) [Other DHS		
			Direct]		
	18	1985.2	1986 Demographic and Health Survey Direct (1986) [DHS Direct]		
	18	1991.8	1992–1993 Demographic and Health Survey Direct (1992–1993) [DHS		
			Direct]		
	17	1996	1997 Demographic and Health Survey Direct (1997) [DHS Direct]		
	18	1998.8	1999–2000 Demographic and Health Survey Direct (1999) [DHS Di-		
			rect]		
	3	2002.5	2002 Census Direct (Single year) (2002) [Others Direct]		
	18	2004.1	2005 Demographic and Health Survey Direct (2005) [DHS Direct]		
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Table 24 – continued from previous page

Table 24 – continued from previous page				
	#	Most		
Country	obs.	recent	Data series name [source type]	
	UDS.	obs. year		
	18	2007.9	2008–2009 Demographic and Health Survey Direct (2008) [Other DHS	
			Direct]	
	18	2009.7	2010–2011 Demographic and Health Survey Direct (2010–2011) [DHS	
			Direct]	
	12	2011.2	2012–2013 Demographic and Health Survey Direct (2012–2013) [DHS	
			Direct]	
	3	2013.4	2013 Census Direct (Single year) (2013) [Others Direct]	
	6	2011	2014 Demographic and Health Survey Direct (2014) [DHS Direct]	
	6	2012	2015 Demographic and Health Survey Direct (2015) [DHS Direct]	
	9	2014	2016 Demographic and Health Survey Direct (2016) [DHS Direct]	
	18	2016.2	2017 Demographic and Health Survey Direct (2017) [DHS Direct]	
	9	2016.4	2018 Demographic and Health Survey Direct (2018) [DHS Direct]	
	9	2017.3	2019 Demographic and Health Survey Direct (2019) [DHS Direct]	
Serbia	99	2021.5		
	60	2021.5	Adjusted Vital Registration [VR]	
	39	2001.5	Vital Registration [VR]	
Seychelles	53	2016.5		
,	3	1959.8	1960 Census Direct (Single year) (1960) [Others Direct]	
	50	2016.5	Vital Registration [VR]	
Sierra Leone	66	2018.3		
	12	2006.7	2008 Demographic and Health Survey Direct (2008) [DHS Direct]	
	18	2012.4	2013 Demographic and Health Survey Direct (2013) [DHS Direct]	
	18	2016.4	2017 Multiple Indicator Cluster Survey Direct (2017) [Others Direct]	
	18	2018.3	2019 Demographic and Health Survey Direct (2019) [DHS Direct]	
Singapore	96	2020.5	2017 Belliographic and Health But (b) Brice (2017) [Bris Brice]	
Singupore	96	2020.5	Vital Registration [VR]	
Slovakia	156	2021.5	The registration [TR]	
Siovakia	156	2021.5	Vital Registration [VR]	
Slovenia	117	2021.5	That registration [TR]	
Sioveina	117	2021.5	Vital Registration [VR]	
Solomon Islands	6	2009.4	vital Registration [vR]	
Solomon Islands	3	2009.4	2009 Census Direct (Single year) (2009) [Others Direct]	
	$\begin{vmatrix} 3 \\ 3 \end{vmatrix}$	2009.4	2015 Other Demographic and Health Survey Direct (2015) [Other DHS	
		2006	Direct]	
Somalia	12	2005.2	Directj	
Sullialia	12	2005.2	2006 Multiple Indicator Cluster Survey Direct (2006) [Others Direct]	
Cauth Africa			2000 Muniple malcator Cluster Survey Direct (2000) [Others Direct]	
South Africa	75	2020.5	1000 Demographic and Health Common Direct (1000) [DIIC Direct]	
	6	1995	1998 Demographic and Health Survey Direct (1998) [DHS Direct]	
	$\begin{bmatrix} 3 \\ 2 \end{bmatrix}$	2011.3	2011 Census Direct (Single year) (2011) [Others Direct]	
	3	2010.4	2016 Demographic and Health Survey Direct (2016) [DHS Direct]	
Caudh Cardan	63	2020.5	RMS [VR]	
South Sudan	6	2007.2	2010 Marking Latings Class Class Class Co. Disc. (2010) FOR Disc. Class Class Class Class Co. Disc. (2010) FOR Disc. Class Class Class Class Co. Disc. (2010) FOR Disc. Class	
C :	6	2007.2	2010 Multiple Indicator Cluster Survey Direct (2010) [Others Direct]	
Spain	153	2020.5	Art I D. C. C. DVDI	
0.1	153	2020.5	Vital Registration [VR]	
Sri Lanka	93	2014.5	Continued on next nego	

Table 24 – continued from previous page

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	#	Most	
Country	obs.	recent	Data series name [source type]
	UDS.	obs. year	
	6	1984	1987 Demographic and Health Survey Direct (1987) [DHS Direct]
	6	1990.6	1993 Other Demographic and Health Survey Direct (1993) [Other DHS
			Direct]
	3	1994.4	2000 Other Demographic and Health Survey Direct (2000) [Other DHS
			Direct]
	6	2003.7	2007 Other Demographic and Health Survey Direct (2007) [Other DHS
			Direct]
	3	2010.4	2016 Other Demographic and Health Survey Direct (2016) [Other DHS
			Direct]
	69	2014.5	Vital Registration [VR]
Saint Vincent and	64	2017	
the Grenadines			
	64	2017	Vital Registration [VR]
State of Palestine	27	2013.9	
	9	1993.9	1995 Others Direct (1995) [Others Direct]
	6	2003	2006 Others Direct (2006) [Others Direct]
	6	2007.4	2010 Multiple Indicator Cluster Survey Direct (2010) [Others Direct]
	3	2008.2	2014 Multiple Indicator Cluster Survey Direct (2014) [Others Direct]
	3	2013.9	2019–2020 Multiple Indicator Cluster Survey Direct (2020) [Others Di-
			rect]
Sudan	63	2013.2	
	9	1976	1979 Other Demographic and Health Survey Direct (1979) [Other DHS
			Direct]
	18	1988.8	1989–1990 Demographic and Health Survey Direct (1989–1990) [DHS
			Direct]
	18	1991	1993 Others Direct (1993) [Others Direct]
	6	2007.2	2010 Multiple Indicator Cluster Survey Direct (2010) [Others Direct]
	12	2013.2	2014 Multiple Indicator Cluster Survey Direct (2014) [Others Direct]
Suriname	96	2019.5	
	3	2012.2	2018 Multiple Indicator Cluster Survey Direct (2018) [Others Direct]
	93	2019.5	Adjusted Vital Registration [VR]
Swaziland	21	2013.1	
	3	1996.9	1997 Census Direct (Single year) (1997) [Others Direct]
	3	2000.5	2006–2007 Demographic and Health Survey Direct (2006–2007) [DHS
			Direct]
	6	2007.7	2010 Multiple Indicator Cluster Survey Direct (2010) [Others Direct]
	9	2013.1	2014 Multiple Indicator Cluster Survey Direct (2014) [Others Direct]
Sweden	156	2021.5	
	156	2021.5	Vital Registration [VR]
Switzerland	156	2021.5	
	156	2021.5	Vital Registration [VR]
Syria	51	2010.5	
	6	1975.5	1978 Other Demographic and Health Survey Direct (1978) [Other DHS
			Direct]
	3	1987	1993 Others Direct (1993) [Others Direct]
	3	1995.8	2001 Others Direct (2001) [Others Direct]
	. '		Continued on next page

Table 24 – continued from previous page

	Table 24 – continued from previous page				
	#	Most			
Country	obs.	recent	Data series name [source type]		
	uns.	obs. year			
	39	2010.5	Vital Registration [VR]		
Tajikistan	75	2021.5			
J	3	2006.5	2012 Demographic and Health Survey Direct (2012) [DHS Direct]		
	3	2011.6	2017 Demographic and Health Survey Direct (2017) [DHS Direct]		
	27	1999.5	Adjusted Vital Registration [VR]		
	42	2021.5	Vital Registration [VR]		
Tanzania	101	2014.1	The registration [TT]		
Tunzunu	3	1973.3	1973 National Demographic Survey Direct (Single year) (1973) [Others		
		1773.3	Direct]		
	18	1990.7	1991–1992 Demographic and Health Survey Direct (1991–1992) [DHS		
	10	1770.7	Direct]		
	17	1995.5	1996 Demographic and Health Survey Direct (1996) [DHS Direct]		
	3	1993.7	1999 Demographic and Health Survey Direct (1999) [DHS Direct]		
	18	2003.7	2004–2005 Demographic and Health Survey Direct (2004–2005) [DHS		
	10	2003.7	Direct]		
	12	2006.2	2007–2008 Demographic and Health Survey Direct (2007) [Other DHS		
	12	2000.2	Direct]		
	12	2009.4	_		
	12	2008.4	2010 Demographic and Health Survey Direct (2010) [DHS Direct]		
	3	2010.4	2010–2011 National Panel Survey Direct (Single year) (2010–2011)		
		2012.2	[Others Direct]		
	3	2012.2	2012–2013 National Panel Survey Direct (Single year) (2012–2013)		
	1.0	20141	[Others Direct]		
	12	2014.1	2015–2016 Demographic and Health Survey Direct (2015–2016) [DHS		
mi ii i	0.0	2010.7	Direct]		
Thailand	98	2019.5	1007 D 1' 111 14 C D' (1007) [D110 D' (1		
	3	1981.2	1987 Demographic and Health Survey Direct (1987) [DHS Direct]		
	3	1989	1989 Survey of Population Change Direct (Single year) (1989) [Others		
		1005.5	Direct]		
	3	1995.5	1995 Survey of Population Change Direct (Single year) (1995) [Others		
		2005.5	Direct]		
	2	2005.5	2005–2006 Survey of Population Change Direct (Single year) (2005–		
	0.7	2010.7	2006) [Others Direct]		
	87	2019.5	Adjusted Vital Registration [VR]		
Timor Leste	15	2008.4			
	12	2008.1	2009–2010 Demographic and Health Survey Direct (2009–2010) [DHS		
		2000 1	Direct]		
	3	2008.4	2015 Census Direct (Single year) (2015) [Others Direct]		
Togo	66	2016.3			
	3	1961.4	1961 Demographic survey Direct (Single year) (1961) [Others Direct]		
	12	1986.9	1988 Demographic and Health Survey Direct (1988) [DHS Direct]		
	18	1997.1	1998 Demographic and Health Survey Direct (1998) [DHS Direct]		
	3	2010.4	2010 Census Direct (Single year) (2010) [Others Direct]		
	18	2012.8	2013–2014 Demographic and Health Survey Direct (2013–2014) [DHS		
			Direct]		
	12	2016.3	2017 Multiple Indicator Cluster Survey Direct (2017) [Others Direct]		
Tonga	75	2018.5			

Table 24 – continued from previous page

	Table 24 – continued from previous page			
	#	Most		
Country	obs.	recent	Data series name [source type]	
	UDS.	obs. year		
	3	2006.4	2006 Census Direct (Single year) (2006) [Others Direct]	
	2	2013.8	2019 Multiple Indicator Cluster Survey Direct (2019) [Others Direct]	
	41	2005.5	Adjusted Vital Registration [VR]	
	29	2018.5	Vital Registration [VR]	
Trinidad and To-	92	2017.5	Total Toggissamien [TT]	
bago	72	2017.3		
bago	3	1971.2	1977 Other Demographic and Health Survey Direct (1977) [Other DHS	
		17/1.2	Direct]	
	2	1981.3	1987 Demographic and Health Survey Direct (1987) [DHS Direct]	
	2			
The second secon	87	2017.5	Vital Registration [VR]	
Tunisia	51	2017.5	1000 1000 N d 1D 11 0 D 1 (0' 1) (1000	
	3	1969	1968–1969 National Demographic Survey Direct (Single year) (1968–	
		1005.4	1969) [Others Direct]	
	6	1985.4	1988 Demographic and Health Survey Direct (1988) [DHS Direct]	
	3	1988	1994 Others Direct (1994) [Others Direct]	
	3	1995	2001 Others Direct (2001) [Others Direct]	
	3	2006	2011–2012 Multiple Indicator Cluster Survey Direct (2012) [Others Di-	
			rect]	
	3	2012.2	2018 Multiple Indicator Cluster Survey Direct (2018) [Others Direct]	
	21	2000.5	Adjusted Vital Registration [VR]	
	9	2017.5	Vital Registration [VR]	
Turkey	59	2019.5		
	8	1976.7	1978 Other Demographic and Health Survey Direct (1978) [Other DHS	
			Direct]	
	3	1987.6	1993 Demographic and Health Survey Direct (1993) [DHS Direct]	
	3	1992.6	1998 Demographic and Health Survey Direct (1998) [DHS Direct]	
	3	1997.9	2003–2004 Demographic and Health Survey Direct (2003) [Other DHS	
			Direct]	
	3	2002.7	2003 National Verbal Autopsy Survey Direct (Single year) (2003) [Oth-	
			ers Direct]	
	3	2002.7	2008 Demographic and Health Survey Direct (2008) [Other DHS Di-	
			rect]	
	3	2007.7	2013 Other Demographic and Health Survey Direct (2013) [Other DHS	
			Direct]	
	3	2012.8	2018 Other Demographic and Health Survey Direct (2018) [Other DHS	
			Direct]	
	30	2019.5	Vital Registration [VR]	
Turkmenistan	88	2015.5		
- or kinomotum	3	1994.5	2000 Demographic and Health Survey Direct (2000) [DHS Direct]	
	2	2009.8	2016 Multiple Indicator Cluster Survey Direct (2016) [Others Direct]	
	$\frac{2}{2}$	2003.8	2019 Multiple Indicator Cluster Survey Direct (2019) [Others Direct]	
	81	2015.4	Adjusted Vital Registration [VR]	
Turks and Caicos	16	2013.3	Augustea vitai registiation [vit]	
Islands	10	2013.0		
isianus	2	2013.8	2010, 2020 Multiple Indicator Cluster Survey Direct (2020) [Others Di	
		2013.8	2019–2020 Multiple Indicator Cluster Survey Direct (2020) [Others Direct]	
			[rect] Continued on next page	

Table 24 – continued from previous page

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	#	Most		
Country	obs.	recent	Data series name [source type]	
	UDS.	obs. year		
	14	2006.5	Vital Registration [VR]	
Tuvalu	11	2013.9		
	2	2013.9	2019–2020 Multiple Indicator Cluster Survey Direct (2020) [Others Di-	
			rect]	
	9	2002	Vital Registration [VR]	
Uganda	95	2015.4		
	12	1987.2	1988–1989 Demographic and Health Survey Direct (1988–1989) [DHS	
			Direct]	
	12	1993.7	1995 Demographic and Health Survey Direct (1995) [DHS Direct]	
	12	1999.2	2000–2001 Demographic and Health Survey Direct (2000–2001) [DHS	
			Direct]	
	3	2006	2006 Demographic and Health Survey Direct (Single year) (2006) [DHS	
			Direct]	
	18	2005.3	2006 Demographic and Health Survey Direct (2006) [DHS Direct]	
	3	2003.8	2009–2010 Demographic and Health Survey Direct (2009) [DHS Di-	
		2003.0	rect]	
	17	2010.4	2011 Demographic and Health Survey Direct (2011) [DHS Direct]	
	18	2015.4	2016 Demographic and Health Survey Direct (2016) [DHS Direct]	
Ukraine	160	2021.5	2010 Demographic and Health Survey Direct (2010) [DHS Direct]	
Oktanic	3	1993.5	1999 Others Direct (1999) [Others Direct]	
	153	2021.5	Vital Registration [VR]	
United Arab Emi-	133	2021.3	Vital Registration [VK]	
rates	201	2020.5		
United Kingdom			Vital Designation [VD]	
II. '4. 1 Ct. t C	201	2020.5	Vital Registration [VR]	
United States of	153	2020.5		
America	152	2020.5	Vital Danistantian [VD]	
***	153	2020.5	Vital Registration [VR]	
Uruguay	93	2020.5	ATC 1D Control	
**	93	2020.5	Vital Registration [VR]	
Uzbekistan	102	2021.5		
	3	1996	2002 Demographic and Health Survey Direct (2002) [Other DHS Di-	
			rect]	
	99	2021.5	Adjusted Vital Registration [VR]	
Vanuatu	3	2009.4		
	3	2009.4	2009 Census Direct (Single year) (2009) [Others Direct]	
Venezuela (Boli-	81	2016.5		
varian Republic				
of)				
	3	1971.2	1977 Other Demographic and Health Survey Direct (1977) [Other DHS	
			Direct]	
	45	2016.5	Adjusted Vital Registration [VR]	
	33	2000.5	Vital Registration [VR]	
Vietnam	54	2020.3		
	3	1978.8	1979 Census Direct (Single year) (1979) [Others Direct]	
1	1	1	Continued on next page	

Table 24 – continued from previous page

Page	Table 24 – continued from previous page			
Data series name Source type		#	Most	
9	Country			Data series name [source type]
Direct		UDS.	obs. year	
3		9	1986	1988 Other Demographic and Health Survey Direct (1988) [Other DHS
3 1998.7 1999 Census Direct (Single year) (1999) [Others Direct] 3 1996.7 2002 Demographic and Health Survey Direct (2002) [DHS Direct] 3 2006.8 2007 Population Change and Family Planning Survey Direct (Single year) (2010) [Others Direct] 3 2011.8 2012 Population Change and Family Planning Survey Direct (Single year) (2011) [Others Direct] 3 2013.2 2014 Multiple Indicator Cluster Survey Direct (2014) [Others Direct] 3 2013.2 2014 Multiple Indicator Cluster Survey Direct (2014) [Others Direct] 3 2013.5 2014 Intercensal Demographic Survey Direct (Single year) (2013) [Others Direct] 3 2014.8 2015 Population Change and Family Planning Survey Direct (Single year) (2015) [Others Direct] 3 2016.5 2015 Population Change and Family Planning Survey Direct (Single year) (2015) [Others Direct] 3 2016.5 2017 Population Change and Family Planning Survey Direct (Single year) (2018) [Others Direct] 3 2017.5 2018 Population Change and Family Planning Survey Direct (Single year) (2018) [Others Direct] 3 2014.9 2020 Population Change and Family Planning Survey Direct (Single year) (2018) [Others Direct] 3 2014.9 2021 Multiple Indicator Cluster Survey Direct (2021) [Others Direct] 3 2014.9 2021 Multiple Indicator Cluster Survey Direct (2021) [Others Direct] 2021 Multiple Indicator Cluster Survey Direct (1991–1992) [DHS Direct] 3 2020.3 2030 Others Direct] 2030 Others Direct (2030) [Others Direct] 2030 Others Direct (2030) [Others Direct (2030) [Others Direct (2031) [DHS Direct] 2031 Demographic and Health Survey Direct (1997) [DHS Direct] 2031 Demographic and Health Survey Direct (2006) [Others Direct] 2035.7 2006 Multiple Indicator Cluster Survey Direct (2006) [Others Direct] 1995.5 2017 2013 Demographic and Health Survey Direct (2006) [DHS Direct] 1996–1997 Demographic and Health Survey Direct (2001) [DHS Direct] 2015. 2015. 2016 Demographic and Health Survey Direct (2013) [DHS Direct] 2016 Demographic and Heal				Direct]
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3 2014.9 2021 Multiple Indicator Cluster Survey Direct (2021) [Others Direct]		3	2020.3	2020 Population Change and Family Planning Survey Direct (Single
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18		9	1989.8	1991–1992 Demographic and Health Survey Direct (1991–1992) [DHS
18 2002 2003 Others Direct (2003) [Others Direct] 3 2000.7 2006 Multiple Indicator Cluster Survey Direct (2006) [Others Direct] 6 2007.7 2013 Demographic and Health Survey Direct (2013) [DHS Direct] 18 1991 1992 Demographic and Health Survey Direct (1992) [DHS Direct] 17 1995.5 1996–1997 Demographic and Health Survey Direct (1996) [DHS Direct] 18 2000.8 2001–2002 Demographic and Health Survey Direct (2001–2002) [DHS Direct] 12 2005.7 2007 Demographic and Health Survey Direct (2007) [DHS Direct] 18 2012.6 2013–2014 Demographic and Health Survey Direct (2013–2014) [DHS Direct] 12 2017 2018 Demographic and Health Survey Direct (2018) [DHS Direct] 2018 Demographic and Health Survey Direct (2018) [DHS Dire		10	1006.7	_
3 2000.7 2006 Multiple Indicator Cluster Survey Direct (2006) [Others Direct] 2007.7 2013 Demographic and Health Survey Direct (2013) [DHS Direct] 2017 18 1991 1992 Demographic and Health Survey Direct (1992) [DHS Direct] 17 1995.5 1996–1997 Demographic and Health Survey Direct (1996) [DHS Direct] 18 2000.8 2001–2002 Demographic and Health Survey Direct (2001–2002) [DHS Direct] 12 2005.7 2007 Demographic and Health Survey Direct (2007) [DHS Direct] 18 2012.6 2013–2014 Demographic and Health Survey Direct (2013–2014) [DHS Direct] 12 2017 2018 Demographic and Health Survey Direct (2018) [DHS Direct] 2018 Demographic and Health Survey Direct (2018) [DHS Direct] 2019 2019 2018 Demographic and Health Survey Direct (2018) [DHS Direct] 2019 2019 2019 2019 2019 2019 2019 2019 2019 2019 2019 2019 2019 2019 2019 2019 2019 2019 2019 2019 2019 2019 2019 2019 2019 2019				, , , , , , , , , , , , , , , , , , , ,
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18	Zambia			2013 Demographic and nearth survey Direct (2013) [Dris Direct]
17	Zamora			1002 Demographic and Health Survey Direct (1002) [DIIS Direct]
18				1996–1997 Demographic and Health Survey Direct (1996) [DHS Di-
12 2005.7 2007 Demographic and Health Survey Direct (2007) [DHS Direct] 18 2012.6 2013–2014 Demographic and Health Survey Direct (2013–2014) [DHS Direct] 12 2017 2018 Demographic and Health Survey Direct (2018) [DHS Direct] Zimbabwe 62 2016.5		18	2000.8	2001–2002 Demographic and Health Survey Direct (2001–2002) [DHS
2012.6 2013–2014 Demographic and Health Survey Direct (2013–2014) [DHS Direct] 2017 2018 Demographic and Health Survey Direct (2018) [DHS Direct] Zimbabwe 62 2016.5		12	2005.7	_
12 2017 2018 Demographic and Health Survey Direct (2018) [DHS Direct] Zimbabwe 62 2016.5				2013–2014 Demographic and Health Survey Direct (2013–2014) [DHS
				_
	Zimbabwe	62	2016.5	

Table 24 – continued from previous page

	#	Most	
Country		recent	Data series name [source type]
	obs.	obs. year	
	6	1985.7	1988–1989 Demographic and Health Survey Direct (1988) [DHS Di-
			rect]
	3	1992.1	1992 Census Direct (Single year) (1992) [Others Direct]
	6	1991.5	1994 Demographic and Health Survey Direct (1994) [DHS Direct]
	3	1993.7	1999 Demographic and Health Survey Direct (1999) [DHS Direct]
	6	2006.3	2009 Multiple Indicator Cluster Survey Direct (2009) [Others Direct]
	8	2008.7	2010–2011 Demographic and Health Survey Direct (2010–2011) [DHS
			Direct]
	3	2012.1	2012 Census Direct (Single year) (2012) [Others Direct]
	12	2012.7	2014 Multiple Indicator Cluster Survey Direct (2014) [Others Direct]
	6	2012.5	2015 Demographic and Health Survey Direct (2015) [DHS Direct]
	3	2016.5	2017 Inter-Censal Demographic Survey Direct (Single year) (2017)
			[Others Direct]
	6	2016.1	2019 Multiple Indicator Cluster Survey Direct (2019) [Others Direct]

Table 25: Sex ratio data sources for age group 10–14, by country. For each country, the total number of observations and the most recent reference year are shown after the country name. For each country-specific data series, the number of observations and the most recent reference year within that series is shown before each data series name. The source type that each data series falls in is shown in parentheses after each data series name.

		Most	
Country	#	recent	Data carios nama [cauras type]
Country	obs.	obs. year	Data series name [source type]
Afghanistan	42	2015.2	
Aighainstan	3	1973	1972 National Demographic and Family Guidance Survey Direct
	3	1973	(Single year) (1972) [Others Direct]
	3	1979	1979 Census Direct (Single year) (1979) [Others Direct]
	3	2008.1	2010 Afghanistan Mortality Survey (AMS) Excluding South Zone
			(Household data) Direct (Single year) (2010) [Other DHS Direct]
	18	2009	2010 Demographic and Health Survey Direct (2010) [DHS Direct]
	9	2013.4	2015 Demographic and Health Survey Direct (2015) [DHS Direct]
	6	2015.2	2018 Others Direct (2018) [Others Direct]
Albania	77	2021.5	
	3	2002.7	2008–2009 Demographic and Health Survey Direct (2008–2009) [DHS Direct]
	3	2011.1	2011 Census Direct (Single year) (2011) [Others Direct]
	3	2011.7	2018 Demographic and Health Survey Direct (2018) [DHS Direct]
	66	2021.5	Vital Registration [VR]
Algeria	72	2020.5	
	6	1989	1992 Others Direct (1992) [Others Direct]
	3	1996	2002 Others Direct (2002) [Others Direct]
	63	2020.5	Vital Registration [VR]
Andorra	10	2018.5	
	10	2018.5	Vital Registration [VR]
Angola	12	2014.3	
_	12	2014.3	2015–2016 Demographic and Health Survey Direct (2016) [DHS Di-
			rect]
Anguilla			
Antigua and Bar-	18	2016.5	
buda			
	18	2016.5	Vital Registration [VR]
Argentina	96	2020.5	
-	96	2020.5	Vital Registration [VR]
Armenia	108	2021.5	
	3	1994.7	2000 Demographic and Health Survey Direct (2000) [DHS Direct]
	3	1999.7	2005 Demographic and Health Survey Direct (2005) [DHS Direct]
	3	2004.7	2010 Demographic and Health Survey Direct (2010) [DHS Direct]
	99	2021.5	Vital Registration [VR]
Australia	153	2020.5	
	153	2020.5	Vital Registration [VR]
Austria	153	2020.5	
	153	2020.5	Vital Registration [VR]
Azerbaijan	92	2021.5	
	2	2000.5	2006 Demographic and Health Survey Direct (2006) [DHS Direct]

Table 25 – continued from previous page

Table 25 – continued from previous page			
	#	Most	
Country	obs.	recent	Data series name [source type]
	0.05	obs. year	
	3	2005	2011 Other Demographic and Health Survey Direct (2011) [Other
			DHS Direct]
	87	2021.5	Adjusted Vital Registration [VR]
Bahamas	86	2020.5	
	86	2020.5	Adjusted Vital Registration [VR]
Bahrain	93	2019.5	, , , , , , , , , , , , , , , , , , ,
	93	2019.5	Vital Registration [VR]
Bangladesh	261	2020.5	The registration [Te]
Dangladesh	3	1964	1962–1965 Population Growth Estimation Experiment Direct (Single
)	1904	year) (1962–1965) [Others Direct]
	2	1074.5	• · · · ·
	3	1974.5	1974 Retrospective Fertility and Mortality Survey (UN SA) Direct
	10	1075	(Single year) (1974) [Others Direct]
	18	1975	1976 Other Demographic and Health Survey Direct (1976) [Other
			DHS Direct]
	18	1992.8	1993–1994 Demographic and Health Survey Direct (1993–1994)
			[DHS Direct]
	15	1995.8	1996–1997 Demographic and Health Survey Direct (1996–1997)
			[DHS Direct]
	3	1999.8	1999–2000 Demographic and Health Survey Direct (Single year)
			(1999–2000) [DHS Direct]
	18	1998.8	1999–2000 Demographic and Health Survey Direct (1999–2000)
			[DHS Direct]
	18	2003	2004 Demographic and Health Survey Direct (2004) [DHS Direct]
	9	2005.2	2007 Demographic and Health Survey Direct (2007) [DHS Direct]
	3	2010	2010 Maternal Health Services and Maternal Mortality Survey Direct
		2010	(5 year) (2010) [Other DHS Direct]
	3	2010.7	2011 Census Direct (Single year) (2011) [Others Direct]
	18	2010.7	2011 Demographic and Health Survey Direct (2011) [DHS Direct]
	12	2010.9	2014 Demographic and Health Survey Direct (2014) [DHS Direct]
	_	2012.5	2014 Demographic and Fleathi Survey Direct (2014) [DFIS Direct] 2016 Maternal Health Services and Maternal Mortality Survey Direct
	3	2010	
	10	2016.2	(Single year) (2016) [Others Direct]
	12	2016.2	2017–2018 Demographic and Health Survey Direct (2018) [DHS Di-
	1.0	2010.1	rect]
	18	2018.1	2019 Multiple Indicator Cluster Survey Direct (2019) [Others Direct]
	3	2016.5	Report on Sample Vital Registration System 2016 Vital Registration
			(2016) [Others Direct]
	3	2017.5	Report on Sample Vital Registration System 2016 Vital Registration
			(2017) [Others Direct]
	3	2018.5	Report on Sample Vital Registration System 2016 Vital Registration
			(2018) [Others Direct]
	3	2019.5	Report on Sample Vital Registration System 2016 Vital Registration
			(2019) [Others Direct]
	3	2020.5	Report on Sample Vital Registration System 2016 Vital Registration
			(2020) [Others Direct]
	72	2015.5	SVital Registration [VR]
Barbados	54	2013	
Daroudos	J- T	2013	Continued on next page

Table 25 – continued from previous page

	Table 25 – continued from previous page				
	#	Most			
Country	obs.	recent	Data series name [source type]		
	ons.	obs. year			
	54	2013	Vital Registration [VR]		
Belarus	150	2019.5	e i j		
	150	2019.5	Vital Registration [VR]		
Belgium	153	2020.5	, rua regionation [, rej		
Beigium	153	2020.5	Vital Registration [VR]		
Belize	85	2018.5	Vital Registration [VR]		
Delize	2	2009.8	2015–2016 Multiple Indicator Cluster Survey Direct (2016) [Others		
		2009.8	Direct]		
	01	2018.5			
Dente	81		Adjusted Vital Registration [VR]		
Benin	107	2016.8	1000 04		
	17	1981	1982 Other Demographic and Health Survey Direct (1982) [Other		
	10	1005 1	DHS Direct]		
	18	1995.4	1996 Demographic and Health Survey Direct (1996) [DHS Direct]		
	18	2000.6	2001 Demographic and Health Survey Direct (2001) [DHS Direct]		
	18	2005.6	2006 Demographic and Health Survey Direct (2006) [DHS Direct]		
	18	2013.5	2014 Multiple Indicator Cluster Survey Direct (2014) [Others Direct]		
	18	2016.8	2017–2018 Demographic and Health Survey Direct (2018) [DHS Di-		
			rect]		
Bhutan	9	2012.5			
	3	1993.1	1994 National Health Survey Direct (2 year) (1994) [Others Direct]		
	3	2004.9	2005 Census Direct (Single year) (2005) [Others Direct]		
	3	2012.5	2012 National Health Survey Direct (2 year) (2012) [Others Direct]		
Bolivia (Pluri-	51	2010.4			
national State					
of)					
,	3	1979.8	1980 National Demographic Survey Direct (Single year) (1980) [Oth-		
			ers Direct]		
	6	1986.2	1989 Demographic and Health Survey Direct (1989) [DHS Direct]		
	9	1991.8	1993–1994 Demographic and Health Survey Direct (1993–1994)		
		1,7,1,0	[DHS Direct]		
	9	1996.2	1998 Demographic and Health Survey Direct (1998) [DHS Direct]		
	12	2002.1	2003 Demographic and Health Survey Direct (2003) [DHS Direct]		
	9	2002.1	2008 Demographic and Health Survey Direct (2008) [DHS Direct]		
	3	2010.4	2016 Others Direct (2016) [Others Direct]		
Bosnia and Herze-	75	2020.5	2010 Salets Direct (2010) [Oulets Direct]		
	13	2020.3			
govina	75	2020.5	Vital Pagistration [VD]		
Dotomore	75	2020.5	Vital Registration [VR]		
Botswana	18	2016.5	1001 Carrage Direct (Circle and) (1001) FOIL D' (1		
	3	1981.1	1981 Census Direct (Single year) (1981) [Others Direct]		
	3	1991.1	1991 Census Direct (Single year) (1991) [Others Direct]		
	3	2001.1	2001 Census Direct (Single year) (2001) [Others Direct]		
	3	2001.8	2008 Others Direct (2008) [Others Direct]		
	3	2011.1	2011 Census Direct (Single year) (2011) [Others Direct]		
	3	2016.5	$2017 \text{ BWA}_Direct(Singleyear)_2017_Direct(Singleyear)[OthersDirect]$		
Brazil	104	2020.5			
	3	1990.2	1996 Demographic and Health Survey Direct (1996) [DHS Direct]		

Table 25 – continued from previous page

Table 25 – continued from previous page			
Count	#	Most	Data garrieg name [garries 4]
Country	obs.	recent	Data series name [source type]
	-	obs. year	
	3	2010.2	2010 Census Direct (Single year) (2010) [Others Direct]
	96	2020.5	Vital Registration [VR]
British Virgin Is-			
lands			
Brunei	87	2019.5	
	87	2019.5	Vital Registration [VR]
Bulgaria	156	2021.5	
	156	2021.5	Vital Registration [VR]
Burkina Faso	70	2009.3	
	3	1960.5	1960–1961 Survey Direct (Single year) (1960–1961) [Others Direct]
	12	1991.4	1993 Demographic and Health Survey Direct (1993) [DHS Direct]
	16	1997.8	1998–1999 Demographic and Health Survey Direct (1998–1999)
	1.0	2002.4	[DHS Direct]
	18	2002.4	2003 Demographic and Health Survey Direct (2003) [DHS Direct]
	3	2007.3	2008 Global Fund Evaluation Survey Direct (Single year) (2008)
	1.0	2000.2	[Others Direct]
D 11	18	2009.3	2010 Demographic and Health Survey Direct (2010) [DHS Direct]
Burundi	53	2015.7	10(7)
	3	1964.7	1965 Population Survey Direct (Single year) (1965) [Others Direct]
	3	1969.5	1970 Demographic Survey Direct (Single year) (1970) [Others Direct]
	11	1985.7	1987 Demographic and Health Survey Direct (1987) [DHS Direct]
	18	2009.6	2010–2011 Demographic and Health Survey Direct (2010) [DHS Di-
	4.0	2017	rect]
	18	2015.7	2016–2017 Demographic and Health Survey Direct (2016–2017)
		2012	[DHS Direct]
Cambodia	57	2012.4	2000 D
	18	1999.1	2000 Demographic and Health Survey Direct (2000) [DHS Direct]
	18	2004.7	2005 Demographic and Health Survey Direct (2005) [DHS Direct]
	12	2009	2010 Demographic and Health Survey Direct (2010) [DHS Direct]
	9	2012.4	2014 Demographic and Health Survey Direct (2014) [DHS Direct]
Cameroon	99	2016.9	1076
	3	1975.8	1976 Census Direct (Single year) (1976) [Others Direct]
	12	1976.5	1978 Other Demographic and Health Survey Direct (1978) [Other
		10060	DHS Direct]
	3	1986.8	1987 Census Direct (Single year) (1987) [Others Direct]
	9	1989.2	1991 Demographic and Health Survey Direct (1991) [DHS Direct]
	12	1996.6	1998 Demographic and Health Survey Direct (1998) [DHS Direct]
	18	2003.1	2004 Demographic and Health Survey Direct (2004) [DHS Direct]
	18	2010	2011 Demographic and Health Survey Direct (2011) [DHS Direct]
	12	2013	2014 Multiple Indicator Cluster Survey Direct (2014) [Others Direct]
	12	2016.9	2018 Demographic and Health Survey Direct (2018) [DHS Direct]
Canada	153	2020.5	
	153	2020.5	Vital Registration [VR]
Cape Verde	78	2018.5	
	3	1992.2	1998 Others Direct (1998) [Others Direct]
	3	2000	2000 Census Direct (Single year) (2000) [Others Direct]
			Continued on next page

Table 25 – continued from previous page

Table 25 – continued from previous page				
	#	Most		
Country	obs.	recent	Data series name [source type]	
	UDS.	obs. year		
	3	2009.5	2010 Census Direct (Single year) (2010) [Others Direct]	
	18	1999.5	Adjusted Vital Registration [VR]	
	51	2018.5	Vital Registration [VR]	
Central African	39	2017.4		
Republic				
•	3	1959.5	1959–1960 Survey Direct (Single year) (1959–1960) [Others Direct]	
	3	1988.4	1988 Census Direct (Single year) (1988) [Others Direct]	
	18	1993.7	1994–1995 Demographic and Health Survey Direct (1994–1995)	
			[DHS Direct]	
	3	2003.4	2003 Census Direct (Single year) (2003) [Others Direct]	
	12	2017.4	2019 Multiple Indicator Cluster Survey Direct (2019) [Others Direct]	
Chad	75	2018.3		
2.300	18	1995.9	1996–1997 Demographic and Health Survey Direct (1996–1997)	
			[DHS Direct]	
	18	2003.5	2004 Demographic and Health Survey Direct (2004) [DHS Direct]	
	3	2008.9	2009 Census Direct (Single year) (2009) [Others Direct]	
	18	2013.7	2014–2015 Demographic and Health Survey Direct (2014–2015)	
	10	2013.7	[DHS Direct]	
	18	2018.3	2019 Multiple Indicator Cluster Survey Direct (2019) [Others Direct]	
Chile	150	2020.5	2017 Multiple indicator Cluster Survey Direct (2017) [Others Direct]	
Cinic	150	2020.5	Vital Registration [VR]	
China	33	2010.5	vital registration [viv]	
Cillia	3	1973.5	$1964-1982 \text{ CHN}_{C}ensus_19641982_{D}irect[OthersDirect]$	
	3	1986.5	$1982-1990 \text{ CHN}_{C}ensus_{1}982-1990_{D}irect[OthersDirect]$	
	3	1995.5	$1990-2000 \text{ CHN}_{C}ensus_{1}990-2000_{D}irect[OthersDirect]$	
	3	2000.5	$1999-2000 \text{ CHN}_{C}ensus_{1}999-2000_{D}irect[OthersDirect]$	
	3	2005.5	$2000-2010 \text{ CHN}_{C}ensus_{2}0002010_{D}irect[OthersDirect]$	
	18	2010.5	CDC Surveillance surveys [VR]	
Colombia	117	2020.5	CDC Surventance surveys [VR]	
Coloniola	3	1980.7	1986 Demographic and Health Survey Direct (1986) [DHS Direct]	
	3	1984.3	1990 Demographic and Health Survey Direct (1990) [DHS Direct]	
	3	1989.2	1995 Demographic and Health Survey Direct (1995) [DHS Direct]	
	3	1994.1	2000 Demographic and Health Survey Direct (2000) [DHS Direct]	
	3	2005.4	2005 Census Direct (Single year) (2005) [Others Direct]	
	6	2001.7	2005 Census Birect (Single year) (2005) [Others Birect] 2005 Demographic and Health Survey Direct (2005) [DHS Direct]	
	9	2007.8	2010 Demographic and Health Survey Direct (2010) [DHS Direct]	
	3	2007.3	2015 Demographic and Health Survey Direct (2015) [DHS Direct]	
	84	2020.5	Adjusted Vital Registration [VR]	
Comoros	15	2017.6		
501110100	3	1958.2	1958 Census Direct (Single year) (1958) [Others Direct]	
	3	1990.2	1996 Demographic and Health Survey Direct (1996) [DHS Direct]	
	3	2003.2	2003 Census Direct (Single year) (2003) [Others Direct]	
	3	2006.6	2012 Demographic and Health Survey Direct (2012) [DHS Direct]	
	3	2017.6	2017 Census Direct (Single year) (2017) [Others Direct]	
Congo	23	2011.9	(Single Jean) (Solin) [Sinetis Bileon]	
Congo	8	2003.5	2005 Demographic and Health Survey Direct (2005) [DHS Direct]	
		2003.3	Continued on next page	

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Table 25 – continued from previous page				
Country	# obs.	Most recent	Data series name [source type]	
		obs. year	2011 2012 D	
	9	2009.7	2011–2012 Demographic and Health Survey Direct (2011–2012)	
		2011.0	[DHS Direct]	
	6	2011.9	2014–2015 Multiple Indicator Cluster Survey Direct (2015) [Others	
D (' D	20	2015	Direct]	
Democratic Re-	30	2015		
public of the				
Congo	9	2005.5	2007 Demographic and Health Survey Direct (2007) [DHS Direct]	
	15	2003.3	2007 Demographic and Health Survey Direct (2007) [DHS Direct]	
	13	2012.0	2013–2014 Demographic and Health Survey Direct (2013–2014)	
	6	2015	[DHS Direct] 2018 Multiple Indicator Cluster Survey Direct (2018) [Others Direct]	
Cook Islands	12	2013	2018 Multiple findicator Cluster Survey Direct (2018) [Others Direct]	
COOK ISIAIIUS	12	2008	Vital Registration [VR]	
Costa Rica	96	2020.5	vital Registration [VK]	
Costa Nica	96	2020.5	Adjusted Vital Registration [VR]	
Cote d'Ivoire	71	2020.3	Adjusted vital Registration [VK]	
Cole d Ivolle	3	1977.5	1978–1979 Demographic Survey Repeated Passages Direct (Single	
	3	1977.3	year) (1978–1979) [Others Direct]	
	17	1979.6	1981 Other Demographic and Health Survey Direct (1981) [Other	
	17	1777.0	DHS Direct]	
	18	1993.4	1994 Demographic and Health Survey Direct (1994) [DHS Direct]	
	6	1995.7	1998–1999 Demographic and Health Survey Direct (1998–1999)	
		1775.7	[DHS Direct]	
	3	1999.6	2005 Demographic and Health Survey Direct (2005) [Other DHS Di-	
		1,,,,,	rect]	
	12	2010.4	2011–2012 Demographic and Health Survey Direct (2011–2012)	
		2010	[DHS Direct]	
	12	2014.8	2016 Multiple Indicator Cluster Survey Direct (2016) [Others Direct]	
Croatia	117	2021.5	and the second s	
	3	2010.8	2011 Census Direct (Single year) (2011) [Others Direct]	
	114	2021.5	Vital Registration [VR]	
Cuba	96	2020.5		
	96	2020.5	Vital Registration [VR]	
Cyprus	82	2019.5		
- 1	46	2019.5	Adjusted Vital Registration [VR]	
	36	2000.5	Vital Registration [VR]	
Czech Republic	156	2021.5		
	156	2021.5	Vital Registration [VR]	
Denmark	156	2021.5		
	156	2021.5	Vital Registration [VR]	
Djibouti	6	2006.5		
	3	1996.8	2002 Others Direct (2002) [Others Direct]	
	3	2006.5	2012 Others Direct (2012) [Others Direct]	
Dominica	32	2015.5		
	11	2000.5	Adjusted Vital Registration [VR]	

Table 25 – continued from previous page

Table 25 – continued from previous page			
	#	Most	
Country	obs.	recent	Data series name [source type]
	005.	obs. year	
	21	2015.5	Vital Registration [VR]
Dominican Repub-	39	2013.8	
lic			
	3	1969	1975 Other Demographic and Health Survey Direct (1975) [Other
			DHS Direct]
	3	1972.3	1980 Other Demographic and Health Survey Direct (1980) [Other
			DHS Direct]
	6	1983.7	1986 Demographic and Health Survey Direct (1986) [DHS Direct]
	3	1985.5	1991 Demographic and Health Survey Direct (1991) [DHS Direct]
	3	1990.7	1996 Demographic and Health Survey Direct (1996) [DHS Direct]
	6	1999.5	2002 Demographic and Health Survey Direct (2002) [DHS Direct]
	6	2004.2	2007 Demographic and Health Survey Direct (2007) [DHS Direct]
	3	2007.5	2013 Demographic and Health Survey Direct (2013) [DHS Direct]
	3	2008.5	2014 Multiple Indicator Cluster Survey Direct (2014) [Others Direct]
	3	2013.8	2019 Multiple Indicator Cluster Survey Direct (2019) [Others Direct]
Ecuador	117	2020.5	
	3	1981	1987 Demographic and Health Survey Direct (1987) [DHS Direct]
	6	1991.4	1994 Others Direct (1994) [Others Direct]
	9	1997.2	1999 Others Direct (1999) [Others Direct]
	3	1998.6	2004 Others Direct (2004) [Others Direct]
	3	2006.6	2012 Others Direct (2012) [Others Direct]
	3	2012.9	2018 Others Direct (2018) [Others Direct]
	90	2020.5	Vital Registration [VR]
Egypt	201	2019.5	
-87F	18	1979.1	1980 Other Demographic and Health Survey Direct (1980) [Other
	10	17,711	DHS Direct]
	12	1987.2	1988 Demographic and Health Survey Direct (1988) [DHS Direct]
	12	1989.5	1991 Others Direct (1991) [Others Direct]
	12	1991.3	1992 Demographic and Health Survey Direct (1992) [DHS Direct]
	12	1994.3	1995 Demographic and Health Survey Direct (1995) [DHS Direct]
	12	1998.6	2000 Demographic and Health Survey Direct (2000) [DHS Direct]
	6	2000.3	2003 Demographic and Health Survey Direct (2003) [DHS Direct]
	12	2003.7	2005 Demographic and Health Survey Direct (2005) [DHS Direct]
	6	2005.2	2008 Demographic and Health Survey Direct (2008) [DHS Direct]
	6	2011.2	2014 Demographic and Health Survey Direct (2014) [DHS Direct]
	42	2019.5	Adjusted Vital Registration [VR]
	51	2005.5	Vital Registration [VR]
El Salvador	101	2019.5	
2. 541 (440)	3	1992.2	1992 Census Direct (Single year) (1992) [Others Direct]
	3	1992.3	1998 Others Direct (1998) [Others Direct]
	3	1996.9	2002 Others Direct (2002) [Others Direct]
	3	2006.9	2007 Census Direct (Single year) (2007) [Others Direct]
	3	2002.3	2008 Others Direct (2008) [Others Direct]
	3	2008.2	2014 Multiple Indicator Cluster Survey Direct (2014) [Others Direct]
	81	2019.5	Vital Registration [VR]
Equatorial Guinea			6
_quaterial Sumou			Continued on next page

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Table 25 – continued from previous page			
	#	Most	
Country	obs.	recent	Data series name [source type]
	UDS.	obs. year	
Eritrea	39	2009.1	
	9	1993.7	1995–1996 Demographic and Health Survey Direct (1995) [DHS Di-
			rect]
	12	2000.7	2002 Demographic and Health Survey Direct (2002) [DHS Direct]
	18	2009.1	2010 Others Direct (2010) [Other DHS Direct]
Estonia	156	2020.5	
	3	2011.6	2011–2012 Census Direct (Single year) (2011–2012) [Others Direct]
	153	2020.5	Vital Registration [VR]
Ethiopia	72	2016.2	
Zimepiw	18	1999.1	2000 Demographic and Health Survey Direct (2000) [DHS Direct]
	18	2004.2	2005 Demographic and Health Survey Direct (2005) [DHS Direct]
	18	2009.9	2011 Demographic and Health Survey Direct (2011) [DHS Direct]
	12	2014.5	2016 Demographic and Health Survey Direct (2016) [DHS Direct]
	6	2016.2	2019 Demographic and Health Survey Direct (2019) [DHS Direct]
Federated States of	U	2010.2	2017 Demographic and Health Survey Direct (2017) [Dirio Direct]
Micronesia			
Fiji	63	2019.5	
1111	6	1971.1	1974 Other Demographic and Health Survey Direct (1974) [Other
	U	19/1.1	DHS Direct]
	57	2019.5	Adjusted Vital Registration [VR]
Finland	156	2019.5	Adjusted vital Registration [VR]
Tillialiu	156	2021.5	Vital Registration [VR]
France	153	2021.5	vital registration [vr]
Trance	153	2020.5	Vital Registration [VR]
Gabon	12	2020.3	vital registration [vr]
Gabon	9	1998.5	2000 Demographic and Health Survey Direct (2000) [DHS Direct]
	3	2006	2012 Demographic and Health Survey Direct (2000) [DHS Direct]
The Gambia	24	2017.8	2012 Demographic and recattif Survey Direct (2012) [D113 Direct]
The Gambia	3	2017.8	2013 Census Direct (Single year) (2013) [Others Direct]
	12	2012.8	2013 Census Direct (Single year) (2013) [Others Direct] 2018 Multiple Indicator Cluster Survey Direct (2018) [Others Direct]
	9	2010.0	2019–2020 Demographic and Health Survey Direct (2020) [DHS Di-
	9	2017.8	
Georgia	98	2021.5	rect]
Georgia	3	1993.9	1999 Others Direct (1999) [Others Direct]
	3	1993.9	2005 Others Direct (2005) [Others Direct]
	2	2004.8	2010 Others Direct (2010) [Others Direct]
	33	2004.8	
	55 57	2001.5	Adjusted Vital Registration [VR]
Garmany	153	2021.5	Vital Registration [VR]
Germany	153	2021.5	Vital Registration [VR]
Ghana	94	2016.3	vitai Registiation [v K]
Giialia		1986.6	1088 Demographic and Health Survey Direct (1000) [DUS Direct]
	11		1988 Demographic and Health Survey Direct (1988) [DHS Direct]
	12	1992.2	1993–1994 Demographic and Health Survey Direct (1993) [DHS Direct]
	9	1006.9	rect] 1008 1000 Demographic and Health Survey Direct (1008) [DHS Di
	9	1996.8	1998–1999 Demographic and Health Survey Direct (1998) [DHS Direct]
ı			rect]

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Table 25 – continued from previous page			
	#	Most	
Country	obs.	recent	Data series name [source type]
	ons.	obs. year	
	6	2000.5	2003 Demographic and Health Survey Direct (2003) [DHS Direct]
	6	2005.7	2008 Demographic and Health Survey Direct (2008) [DHS Direct]
	3	2010.3	2010 Census Direct (Single year) (2010) [Others Direct]
	9	2009.8	2011 Multiple Indicator Cluster Survey Direct (2011) [Others Direct]
	8	2012.7	2014 Demographic and Health Survey Direct (2014) [DHS Direct]
	18	2013.7	2017 Demographic and Health Survey Direct (2017) [DHS Direct]
	12	2016.3	2017–2018 Multiple Indicator Cluster Survey Direct (2018) [Others
	12	2010.3	Direct]
Greece	153	2020.5	Directj
Greece	153		Vital Designation [VD]
Cuanada		2020.5	Vital Registration [VR]
Grenada	61	2018	A 1' (IX'' ID 1' ()' IX'DI
	25	1999.5	Adjusted Vital Registration [VR]
	36	2018	Vital Registration [VR]
Guatemala	123	2020.5	
	6	1984.7	1987 Demographic and Health Survey Direct (1987) [DHS Direct]
	12	1993.9	1995 Demographic and Health Survey Direct (1995) [DHS Direct]
	3	1992.8	1998–1999 Demographic and Health Survey Direct (1998) [DHS Di-
			rect]
	3	1996.3	2002 Others Direct (2002) [Others Direct]
	3	2002.8	2008 Others Direct (2008) [Others Direct]
	3	2011.7	2014–2015 Demographic and Health Survey Direct (2014–2015)
			[DHS Direct]
	93	2020.5	Vital Registration [VR]
Guinea	81	2017.1	
	3	1954.5	1954–1955 Survey Direct (Single year) (1954–1955) [Others Direct]
	3	1996.4	1996 Census Direct (Single year) (1996) [Others Direct]
	18	1998.3	1999 Demographic and Health Survey Direct (1999) [DHS Direct]
	18	2004.1	2005 Demographic and Health Survey Direct (2005) [DHS Direct]
	18	2011.4	2012 Demographic and Health Survey Direct (2012) [DHS Direct]
	3	2013.8	2014 Census Direct (Single year) (2014) [Others Direct]
	18	2017.1	2018 Demographic and Health Survey Direct (2018) [DHS Direct]
Guinea-Bissau	37	2017.1	2010 Demographic and Health Survey Direct (2010) [Diris Direct]
Guillea-Dissau	10	2010.1	2010 Multiple Indicator Cluster Survey Direct (2010) [Others Direct]
	18	2008.8	2010 Multiple Indicator Cluster Survey Direct (2010) [Others Direct] 2014 Multiple Indicator Cluster Survey Direct (2014) [Others Direct]
	9		
	9	2016.1	2018–2019 Multiple Indicator Cluster Survey Direct (2019) [Others
C	00	2014.5	Direct]
Guyana	99	2014.5	1075 Od D 1 H. 14 C (1075) 501
	6	1972.4	1975 Other Demographic and Health Survey Direct (1975) [Other
		1000 1	DHS Direct]
	3	1999.4	2005 Demographic and Health Survey Direct (2005) [Other DHS Di-
			rect]
	3	2003.2	2009 Demographic and Health Survey Direct (2009) [DHS Direct]
	3	2012.2	2012 Census Direct (Single year) (2012) [Others Direct]
	3	2008.3	2014 Multiple Indicator Cluster Survey Direct (2014) [Others Direct]
	3	2013.5	2019–2020 Multiple Indicator Cluster Survey Direct (2020) [Others
			Direct]
			~

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Table 25 – continued from previous page			
	#	Most	
Country	obs.	recent	Data series name [source type]
	UDS.	obs. year	
	78	2014.5	Vital Registration [VR]
Haiti	44	2014.8	
	8	1975.5	1977 Other Demographic and Health Survey Direct (1977) [Other
			DHS Direct]
	9	1992.5	1994–1995 Demographic and Health Survey Direct (1994–1995)
			[DHS Direct]
	6	1997.1	2000 Demographic and Health Survey Direct (2000) [DHS Direct]
	9	2001.2	2005–2006 Demographic and Health Survey Direct (2005–2006)
			[DHS Direct]
	6	2007.5	2012 Demographic and Health Survey Direct (2012) [DHS Direct]
	6	2014.8	2016–2017 Demographic and Health Survey Direct (2016–2017)
			[DHS Direct]
Honduras	38	2016.5	
	3	1971.3	1970–1972 National Demographic Survey Direct (Single year) (1970–
			1972) [Others Direct]
	3	1982.5	1983 National Demographic Survey Direct (Single year) (1983) [Oth-
			ers Direct]
	3	1990.1	1996 Others Direct (1996) [Others Direct]
	3	2001.1	2001 Census Direct (Single year) (2001) [Others Direct]
	3	1992.2	2001 Others Direct (2001) [Others Direct]
	8	2003.7	2005–2006 Demographic and Health Survey Direct (2005–2006)
			[DHS Direct]
	6	2008.7	2011–2012 Demographic and Health Survey Direct (2011–2012)
			[DHS Direct]
	3	2013.1	2013 Census Direct (Single year) (2013) [Others Direct]
	6	2016.5	2019 Multiple Indicator Cluster Survey Direct (2019) [Others Direct]
Hungary	153	2020.5	
	153	2020.5	Vital Registration [VR]
Iceland	91	2018.5	
	91	2018.5	Vital Registration [VR]
India	177	2020.5	
	3	1970.5	1971 Census Direct (Single year) (1971) [Others Direct]
	3	1980.5	1981 Census Direct (Single year) (1981) [Others Direct]
	18	1991.2	1992–1993 Demographic and Health Survey Direct (1992–1993)
			[DHS Direct]
	3	1991.9	1992–1993 National Family Health Survey Direct (Single year)
			(1992–1993) [DHS Direct]
	18	1997.8	1998–1999 Demographic and Health Survey Direct (1998–1999)
			[DHS Direct]
	3	1998.2	1998–1999 National Family Health Survey Direct (Single year)
			(1998–1999) [DHS Direct]
	18	2004.8	2005–2006 Demographic and Health Survey Direct (2005–2006)
			[DHS Direct]
	111	2020.5	Sample Registration System [VR]
Indonesia	147	2016.6	

Table 25 – continued from previous page

18	Table 25 – continued from previous page				
Data series name Source type		#			
1964.5 1964.5 1964-1965 National Socio-economic Survey Direct (Single year) (1964-1965) [Others Direct] 18 1975.2 1976 Other Demographic and Health Survey Direct (1976) [Other Direct] 18 1990.3 1991 Demographic and Health Survey Direct (1987) [DHS Direct] 18 1990.5 1994 Demographic and Health Survey Direct (1991) [DHS Direct] 18 1996.7 1997 Demographic and Health Survey Direct (1997) [DHS Direct] 12 2001.2 2002-2003 Demographic and Health Survey Direct (1997) [DHS Direct] 12 2005.9 2007 Demographic and Health Survey Direct (2007) [DHS Direct] 12 2005.9 2010 Census Direct (Single year) (2010) [Others Direct] 18 2016.6 2017 Demographic and Health Survey Direct (2017) [DHS Direct] 18 2016.6 2017 Demographic and Health Survey Direct (2017) [DHS Direct] 18 2016.6 2017 Demographic and Health Survey Direct (2017) [DHS Direct] 18 2016.6 2017 Demographic and Health Survey Direct (2017) [DHS Direct] 19 2018 2018 2019	Country			Data series name [source type]	
18					
18		3	1964.5	1964–1965 National Socio–economic Survey Direct (Single year)	
18				(1964–1965) [Others Direct]	
18		18	1975.2	1976 Other Demographic and Health Survey Direct (1976) [Other	
18				DHS Direct]	
18		18	1986.7	1987 Demographic and Health Survey Direct (1987) [DHS Direct]	
18		18	1990.3	1991 Demographic and Health Survey Direct (1991) [DHS Direct]	
12 2001.2 2002–2003 Demographic and Health Survey Direct (2002–2003) [DHS Direct] 2 2005.9 2007 Demographic and Health Survey Direct (2007) [DHS Direct] 2 2009.9 2010 Census Direct (Single year) (2010) [Others Direct] 9 2010.8 2012 Demographic and Health Survey Direct (2012) [DHS Direct] 2017 Demographic and Health Survey Direct (2017) [DHS Direct] 2017 Demographic and Health Survey Direct (2017) [DHS Direct] 2017 Demographic and Health Survey Direct (2017) [DHS Direct] 3 1975 1973–1976 Population Growth Survey Household Deaths (1973–1976) [Others Direct] 3 1985.5 1986 Census Household Deaths (1986) [Others Direct] 3 2017.5 2000 Demographic and Health Survey Household Deaths (2000) [Other DHS Direct] 3 2017.5 Adjusted Vital Registration [VR] 2009.2 2011 Multiple Indicator Cluster Survey Direct (2006) [Others Direct] 3 2012.2 2018 Multiple Indicator Cluster Survey Direct (2011) [Others Direct] 3 2012.2 2018 Multiple Indicator Cluster Survey Direct (2018) [Others Direct] 3 2012.5 2020.		18	1993.5	1994 Demographic and Health Survey Direct (1994) [DHS Direct]	
DHS Direct 2005.9 2007 Demographic and Health Survey Direct (2007) [DHS Direct 2007 Demographic and Health Survey Direct (2010) [DHS Direct 2010.8 2017 Demographic and Health Survey Direct (2012) [DHS Direct] 2017 Demographic and Health Survey Direct (2017) [DHS Direct] 3 1975 1973–1976 Population Growth Survey Household Deaths (1973–1976) [Others Direct] 2000 Demographic and Health Survey Household Deaths (2000) 2000 Demographic and Health Survey Household Deaths (2000) 2000 Demographic and Health Survey Household Deaths (2000) 2000 Demographic and Health Survey Direct (2006) [Others Direct] 3 2017.5 2000 Demographic and Health Survey Direct (2006) [Others Direct] 3 2012.2 2018 Multiple Indicator Cluster Survey Direct (2011) [Others Direct] 3 2010.2 2011 Multiple Indicator Cluster Survey Direct (2018) [Others Direct] 3 2020.5 202		18	1996.7	1997 Demographic and Health Survey Direct (1997) [DHS Direct]	
12 2005.9 2007 Demographic and Health Survey Direct (2007) [DHS Direct] 2007 Demographic and Health Survey Direct (2007) [DHS Direct] 9 2010.8 2012 Demographic and Health Survey Direct (2012) [DHS Direct] 18 2016.6 2017 Demographic and Health Survey Direct (2017) [DHS Direct] 2017 Demographic and Health Survey Direct (2017) [DHS Direct] 2017 Demographic and Health Survey Direct (2017) [DHS Direct] 2017 Demographic and Health Survey Direct (2017) [DHS Direct] 2017 Demographic and Health Survey Household Deaths (1973–1976) [Others Direct] 2000 Demographic and Health Survey Household Deaths (2000) [Other DHS Direct] 2000 Demographic and Health Survey Household Deaths (2000) [Other DHS Direct] 2000 Demographic and Health Survey Direct (2006) [Others Direct] 2004.2 2018 Multiple Indicator Cluster Survey Direct (2011) [Others Direct] 2018 Multiple Indicator Cluster Survey Direct (2011) [Others Direct] 2018 Multiple Indicator Cluster Survey Direct (2018) [Others Direct] 2018 Multiple Indicator Cluster Survey Direct (2018) [Others Direct] 2018 Multiple Indicator Cluster Survey Direct (2018) [Others Direct] 2018 Multiple Indicator Cluster Survey Direct (2018) [Others Direct] 2018 Multiple Indicator Cluster Survey Direct (2018) [Others Direct] 2018 Multiple Indicator Cluster Survey Direct (2018) [Others Direct] 2018 Multiple Indicator Cluster Survey Direct (2018) [Others Direct] 2018 Multiple Indicator Cluster Survey Direct (2018) [Others Direct] 2018 Multiple Indicator Cluster Survey Direct (2018) [Others Direct] 2018 Multiple Indicator Cluster Survey Direct (2018) [Others Direct] 2018 Multiple Indicator Cluster Survey Direct (2018) [Others Direct] 2018 Multiple Indicator Cluster Survey Direct (2018) [Others Direct] 2018 Multiple Indicator Cluster Survey Direct (2018) [Others Direct] 2018 Multiple Indicator Cluster Survey Direct (2018) [Others Direct] 2018 Multiple Indicator Cluster Survey Direct (2018) [Others Direct] 2018 Multiple Indicator Cluster Survey Dir		12	2001.2	2002–2003 Demographic and Health Survey Direct (2002–2003)	
12 2005.9 2007 Demographic and Health Survey Direct (2007) [DHS Direct] 3 2009.9 2010.8 2012 Demographic and Health Survey Direct (2012) [DHS Direct] 18 2016.6 2017 Demographic and Health Survey Direct (2012) [DHS Direct] 2017 Demographic and Health Survey Direct (2017) [DHS Direct] 2017 Demographic and Health Survey Direct (2017) [DHS Direct] 2017 Demographic and Health Survey Direct (2017) [DHS Direct] 2017 Demographic and Health Survey Direct (2017) [DHS Direct] 2018 Direct] 3 1985.5 1986 Census Household Deaths (1986) [Others Direct] 3 1995.5 2000 Demographic and Health Survey Household Deaths (2000) [Other DHS Direct] 3 2017.5 2000 Demographic and Health Survey Household Deaths (2000) [Other DHS Direct] 4 2012.2 2018 Multiple Indicator Cluster Survey Direct (2006) [Others Direct] 3 2012.2 2018 Multiple Indicator Cluster Survey Direct (2018) [Others Direct] 3 2020.5					
3 2009.9 2010 Census Direct (Single year) (2010) [Others Direct] 9 2010.8 2012 Demographic and Health Survey Direct (2012) [DHS Direct] 2016 2017 Demographic and Health Survey Direct (2017) [DHS Direct] 2017 Demographic and Health Survey Direct (2017) [DHS Direct] 2017 Demographic and Health Survey Direct (2017) [DHS Direct] 3 1975 1973–1976 Population Growth Survey Household Deaths (1973–1976) [Others Direct] 3 1985.5 1986 Census Household Deaths (1986) [Others Direct] 2000 Demographic and Health Survey Household Deaths (2000) [Other DHS Direct] 4 2012.2 2000 Demographic and Health Survey Direct (2006) [Others Direct] 9 2004.2 2011 Multiple Indicator Cluster Survey Direct (2011) [Others Direct] 3 2012.2 2018 Multiple Indicator Cluster Survey Direct (2018) [Others Direct] 3 2012.2 2018 Multiple Indicator Cluster Survey Direct (2018) [Others Direct] 3 2020.5 153 2020.5		12	2005.9		
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18					
Tran (Islamic Republic of)				T =	
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1973-1976 1973-1976 1973-1976 1973-1976 1			2017.6		
1976) [Others Direct] 1986 Census Household Deaths (1986) [Others Direct] 1986 Census Household Deaths (1986) [Others Direct] 2000 Demographic and Health Survey Household Deaths (2000) [Other DHS Direct] Adjusted Vital Registration [VR]	paone or)	3	1975	1973–1976 Population Growth Survey Household Deaths (1973–	
3			1773	<u> </u>	
3		3	1985 5		
Cother DHS Direct 33 2017.5 Adjusted Vital Registration [VR]					
Sample Registration [VR]		3	1777.3		
Page		33	2017.5		
9 2004.2 2006 Multiple Indicator Cluster Survey Direct (2006) [Others Direct] 9 2009.2 2011 Multiple Indicator Cluster Survey Direct (2011) [Others Direct] 3 2012.2 2018 Multiple Indicator Cluster Survey Direct (2018) [Others Direct] 3 1974 Sample Registration System [VR]	Iroa			Adjusted vital Registration [VK]	
9 2009.2 2011 Multiple Indicator Cluster Survey Direct (2011) [Others Direct] 3 2012.2 2018 Multiple Indicator Cluster Survey Direct (2018) [Others Direct] 3 1974 Sample Registration System [VR]	naq			2006 Multiple Indicator Cluster Survey Direct (2006) [Others Direct]	
3 2012.2 2018 Multiple Indicator Cluster Survey Direct (2018) [Others Direct] 3 1974 Sample Registration System [VR]					
Sample Registration System [VR] Ireland 153 2020.5					
Ireland 153 2020.5 Vital Registration [VR] Israel 141 2021.5 Vital Registration [VR] Italy 153 2020.5 Vital Registration [VR] Jamaica 3 2010.2 2011 Census Direct (Single year) (2011) [Others Direct] Japan 150 2021.5 Vital Registration [VR] Jordan 20 2011.7 3 1984.7 1990 Demographic and Health Survey Direct (1990) [DHS Direct] 3 1991.4 1997 Demographic and Health Survey Direct (1997) [DHS Direct] 3 1996.5 2002 Demographic and Health Survey Direct (2002) [DHS Direct]					
153 2020.5 Vital Registration [VR] Israel 141 2021.5 Vital Registration [VR] Italy 153 2020.5 Vital Registration [VR] Jamaica 3 2010.2 2011 Census Direct (Single year) (2011) [Others Direct] Japan 150 2021.5 Vital Registration [VR] Jordan 20 2011.7 Jordan 20 2011.7 3 1984.7 1990 Demographic and Health Survey Direct (1990) [DHS Direct] 3 1991.4 1997 Demographic and Health Survey Direct (1997) [DHS Direct] 3 1996.5 2002 Demographic and Health Survey Direct (2002) [DHS Direct]	Iroland			Sample Registration System [VK]	
Israel 141 2021.5 Vital Registration [VR] Italy 153 2020.5 Vital Registration [VR] Jamaica 3 2010.2 2011 Census Direct (Single year) (2011) [Others Direct] Japan 150 2021.5 Vital Registration [VR] Jordan 20 2011.7 3 1984.7 1990 Demographic and Health Survey Direct (1990) [DHS Direct] 3 1991.4 1997 Demographic and Health Survey Direct (1997) [DHS Direct] 3 1996.5 2002 Demographic and Health Survey Direct (2002) [DHS Direct]	Helaliu			Vital Pagistration [VD]	
Italy 153 2020.5 153 2020.5 Vital Registration [VR] Jamaica 3 2010.2 Japan 150 2021.5 Jordan 20 2011.7 Jordan 20 2011.7 Jordan 3 1991.4 1996.5 2002 Demographic and Health Survey Direct (2002) [DHS Direct] 3 1996.5	Iomo ol			vital Registration [VK]	
Italy 153 2020.5 Vital Registration [VR] Jamaica 3 2010.2 2011 Census Direct (Single year) (2011) [Others Direct] Japan 150 2021.5 Vital Registration [VR] Jordan 20 2011.7 3 1984.7 1990 Demographic and Health Survey Direct (1990) [DHS Direct] 3 1991.4 1997 Demographic and Health Survey Direct (1997) [DHS Direct] 3 1996.5 2002 Demographic and Health Survey Direct (2002) [DHS Direct]	Israei			While Continue IVD	
153 2020.5 Vital Registration [VR] Jamaica 3 2010.2 3 2010.2 2011 Census Direct (Single year) (2011) [Others Direct] Japan 150 2021.5 150 2021.5 Vital Registration [VR] Jordan 20 2011.7 3 1984.7 1990 Demographic and Health Survey Direct (1990) [DHS Direct] 3 1991.4 1997 Demographic and Health Survey Direct (1997) [DHS Direct] 3 1996.5 2002 Demographic and Health Survey Direct (2002) [DHS Direct]	T. 1			Vital Registration [VK]	
Jamaica 3 2010.2 2011 Census Direct (Single year) (2011) [Others Direct] Japan 150 2021.5 Vital Registration [VR] Jordan 20 2011.7 3 1984.7 1990 Demographic and Health Survey Direct (1990) [DHS Direct] 3 1991.4 1997 Demographic and Health Survey Direct (1997) [DHS Direct] 3 1996.5 2002 Demographic and Health Survey Direct (2002) [DHS Direct]	nary			Vital Designation [VD]	
3 2010.2 2011 Census Direct (Single year) (2011) [Others Direct]	т •			vital Registration [VK]	
Japan 150 2021.5 Vital Registration [VR] Jordan 20 2011.7 3 1984.7 1990 Demographic and Health Survey Direct (1990) [DHS Direct] 3 1991.4 1997 Demographic and Health Survey Direct (1997) [DHS Direct] 3 1996.5 2002 Demographic and Health Survey Direct (2002) [DHS Direct]	Jamaica			2011 C	
150 2021.5 Vital Registration [VR]	*			2011 Census Direct (Single year) (2011) [Others Direct]	
Jordan 20 2011.7 3 1984.7 1990 Demographic and Health Survey Direct (1990) [DHS Direct] 3 1991.4 1997 Demographic and Health Survey Direct (1997) [DHS Direct] 3 1996.5 2002 Demographic and Health Survey Direct (2002) [DHS Direct]	Japan				
3 1984.7 1990 Demographic and Health Survey Direct (1990) [DHS Direct] 3 1991.4 1997 Demographic and Health Survey Direct (1997) [DHS Direct] 3 1996.5 2002 Demographic and Health Survey Direct (2002) [DHS Direct]				Vital Registration [VR]	
3 1991.4 1997 Demographic and Health Survey Direct (1997) [DHS Direct] 3 1996.5 2002 Demographic and Health Survey Direct (2002) [DHS Direct]	Jordan				
3 1996.5 2002 Demographic and Health Survey Direct (2002) [DHS Direct]					
				•	
3 2001 4 2007 Demographic and Health Survey Direct (2007) IDHS Direct					
		3	2001.4	2007 Demographic and Health Survey Direct (2007) [DHS Direct]	
3 2006.7 2012 Demographic and Health Survey Direct (2012) [DHS Direct]				•	
3 2011.7 2017 Demographic and Health Survey Direct (2017) [DHS Direct]				2017 Demographic and Health Survey Direct (2017) [DHS Direct]	
Kazakhstan 105 2021.5	Kazakhstan	105			
3 1989.3 1995 Demographic and Health Survey Direct (1995) [DHS Direct]		3	1989.3	1995 Demographic and Health Survey Direct (1995) [DHS Direct]	

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	#	Most		
Country	obs.	recent	Data series name [source type]	
	UDS.	obs. year		
	3	1993.5	1999 Demographic and Health Survey Direct (1999) [DHS Direct]	
	99	2021.5	Vital Registration [VR]	
Kenya	73	2013.3		
-	11	1976.1	1978 Other Demographic and Health Survey Direct (1978) [Other	
			DHS Direct]	
	6	1985.9	1989 Demographic and Health Survey Direct (1989) [DHS Direct]	
	9	1991.1	1993 Demographic and Health Survey Direct (1993) [DHS Direct]	
	11	1996.6	1998 Demographic and Health Survey Direct (1998) [DHS Direct]	
	12	2001.7	2003 Demographic and Health Survey Direct (2003) [DHS Direct]	
	6	2005.8	2008–2009 Demographic and Health Survey Direct (2008–2009)	
			[DHS Direct]	
	18	2013.3	2014 Demographic and Health Survey Direct (2014) [DHS Direct]	
Kiribati	3	2012.9	, , , , , , , , , , , , , , , , , , , ,	
	3	2012.9	2019 Multiple Indicator Cluster Survey Direct (2019) [Others Direct]	
Democratic Peo-	6	2008.3		
ple's Republic of				
Korea				
	3	1993.5	1993 Census Direct (Single year) (1993) [Others Direct]	
	3	2008.3	2008 Census Direct (Single year) (2008) [Others Direct]	
Republic of Korea	105	2021.5		
	6	1971.7	1974 Other Demographic and Health Survey Direct (1974) [Other	
			DHS Direct]	
	99	2021.5	Vital Registration [VR]	
Kosovo	4	2014	· · · · · · · · · · · · · · · · · · ·	
	2	2007.9	2013–2014 Multiple Indicator Cluster Survey Direct (2014) [Others	
			Direct]	
Kuwait	87	2019.5		
120 // 422	87	2019.5	Vital Registration [VR]	
Kyrgyzstan	110	2021.5	- Togothanon [+ Ti]	
11,18,1200011	3	1991.6	1997 Demographic and Health Survey Direct (1997) [DHS Direct]	
	3	2008.3	2014 Multiple Indicator Cluster Survey Direct (2014) [Others Direct]	
	3	2012.8	2018 Multiple Indicator Cluster Survey Direct (2018) [Others Direct]	
	99	2021.5	Vital Registration [VR]	
Lao People's	51	2016.1		
Democratic Re-	51	2010.1		
public				
Paone	3	2004.8	2005 Census Direct (Single year) (2005) [Others Direct]	
	18	2004.8	2005 Others Direct (2005) [Others Direct]	
	18	2010.8	2012 Multiple Indicator Cluster Survey Direct (2012) [DHS Direct]	
	12	2016.1	2017 Multiple Indicator Cluster Survey Direct (2017) [Others Direct]	
Latvia	153	2010.1	2017 Manaple Indicator Cluster our vey Direct (2017) [Others Direct]	
Lat v Ia	153	2021.5	Vital Registration [VR]	
Lebanon	3	1990	That registration [TK]	
Levanon	3	1990	1996 Others Direct (1996) [Others Direct]	
Lesotho	27		1990 Outers Direct (1990) [Outers Direct]	
Lesouio	21	2015.5	Continued on next page	

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Table 25 – continued from previous page				
	#	Most		
Country	obs.	recent	Data series name [source type]	
		obs. year		
	3	1971.9	1971–1973 Demographic Survey Direct (Single year) (1971–1973)	
			[Others Direct]	
	6	1974.6	1977 Other Demographic and Health Survey Direct (1977) [Other	
			DHS Direct]	
	3	2000.9	2001 Demographic Survey Direct (Single year) (2001) [Others Direct]	
	3	1998.7	2004 Demographic and Health Survey Direct (2004) [DHS Direct]	
	3	2003.7	2009 Demographic and Health Survey Direct (2009) [DHS Direct]	
	3	2008.7	2014 Demographic and Health Survey Direct (2014) [DHS Direct]	
	3	2015.5	2016 Census Direct (Single year) (2016) [Others Direct]	
	3	2012.3	2018 Multiple Indicator Cluster Survey Direct (2018) [Others Direct]	
Liberia	51	2017.7		
	3	1969.5	1969–1970 Population Growth Survey Direct (Single year) (1969–1970) [Others Direct]	
	6	1983.1	1986 Demographic and Health Survey Direct (1986) [DHS Direct]	
	9	2004.9	2006–2007 Demographic and Health Survey Direct (2006–2007)	
	10	2007.4	[DHS Direct]	
	12	2007.4	2008–2009 Demographic and Health Survey Direct (2008–2009) [Other DHS Direct]	
	12	2011.7		
	12 9		2013 Demographic and Health Survey Direct (2013) [DHS Direct]	
	9	2017.7	2019–2020 Demographic and Health Survey Direct (2020) [DHS Direct]	
Libyo	12	2004.4	rect]	
Libya	6	1992	1995 Others Direct (1995) [Others Direct]	
	6	2004.4	2007 Others Direct (2007) [Others Direct]	
Lithuania	162	2004.4	2007 Others Direct (2007) [Others Direct]	
Liuiuaiiia	3	2010.8	2011 Census Direct (Single year) (2011) [Others Direct]	
	3	2010.8	2011 Census Direct (Single year) (2011) [Others Direct] 2018 Statistical Survey Direct (Single year) (2018) [Others Direct]	
	156	2017.5	Vital Registration [VR]	
Luxembourg	90	2020.5	vital registration [vr]	
Luxemoourg	90	2020.5	Vital Registration [VR]	
Macedonia	93	2020.5	vital Registration [VR]	
Macedonia	93	2020.5	Adjusted Vital Registration [VR]	
Modogogor	87	2020.3	Adjusted vital Registration [VK]	
Madagascar	3	1966.1	1966 Demographic Survey Direct (Single year) (1966) [Others Direct]	
	3	1900.1	1993 Census Direct (Single year) (1993) [Others Direct]	
	18	1993.1	1995 Census Direct (Single year) (1995) [Others Direct] 1997 Demographic and Health Survey Direct (1997) [DHS Direct]	
	9	2001.8	2003–2004 Demographic and Health Survey Direct (2003–2004)	
	ן ד	2001.0	[DHS Direct]	
	18	2007.8	2008–2009 Demographic and Health Survey Direct (2008–2009)	
	10	2007.0	[DHS Direct]	
	18	2017.7	2018 Multiple Indicator Cluster Survey Direct (2018) [Others Direct]	
	18	2017.7	2021 Demographic and Health Survey Direct (2021) [DHS Direct]	
Malawi	152	2019	2021 Demographic and Health Survey Direct (2021) [Direct]	
	3	1977.2	1977 Census Direct (Single year) (1977) [Others Direct]	
	3	1983.9	1984 Family Formation Survey Direct (Single year) (1984) [Others	
		-> 55.7	Direct]	
	I I	I	Continued on next page	

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	#	Most		
Country	obs.	recent	Data series name [source type]	
	ons.	obs. year		
	3	1987.2	1987 Census Direct (Single year) (1987) [Others Direct]	
	12	1991.2	1992 Demographic and Health Survey Direct (1992) [DHS Direct]	
	18	1999.5	2000 Demographic and Health Survey Direct (2000) [DHS Direct]	
	18	2003.7	2004 Demographic and Health Survey Direct (2004) [DHS Direct]	
	18	2005.7	2004 Demographic and Health Survey Direct (2004) [DHS Direct]	
	18		•	
		2009.4	2010 Demographic and Health Survey Direct (2010) [DHS Direct]	
	18	2012.9	2013–2014 Multiple Indicator Cluster Survey Direct (2014) [Others	
	10	2014.7	Direct]	
	18	2014.7	2015–2016 Demographic and Health Survey Direct (2015–2016)	
			[DHS Direct]	
	3	2018.2	2018 Census Direct (Single year) (2018) [Others Direct]	
	18	2019	2019–2020 Multiple Indicator Cluster Survey Direct (2020) [Others	
			Direct]	
Malaysia	99	2021.5		
	9	1972.6	1974 Other Demographic and Health Survey Direct (1974) [Other	
			DHS Direct]	
	90	2021.5	Vital Registration [VR]	
Maldives	93	2020.5		
	3	2003	2009 Demographic and Health Survey Direct (2009) [DHS Direct]	
	3	2010.2	2016–2017 Demographic and Health Survey Direct (2017) [DHS Di-	
			rect]	
	18	1994.5	Adjusted Vital Registration [VR]	
	69	2020.5	Vital Registration [VR]	
Mali	107	2017.6	,	
171411	3	1976.4	1976 Census Direct (Single year) (1976) [Others Direct]	
	12	1985.7	1987 Demographic and Health Survey Direct (1987) [DHS Direct]	
	18	1994.8	1995–1996 Demographic and Health Survey Direct (1995–1996)	
	10	1774.0	[DHS Direct]	
	3	1997.8	1998 Census Direct (Single year) (1998) [Others Direct]	
	18	2000	2001 Demographic and Health Survey Direct (2001) [DHS Direct]	
	18	2005.3	2006 Demographic and Health Survey Direct (2006) [DHS Direct]	
	18	2014.6	2015 Multiple Indicator Cluster Survey Direct (2015) [Others Direct]	
Malta	17	2017.6	2018 Demographic and Health Survey Direct (2018) [DHS Direct]	
Malta	51	2021.5	Vital Designation [VD]	
N/ 1 11 T 1 1	51	2021.5	Vital Registration [VR]	
Marshall Islands		2017.0		
Mauritania	63	2017.9	1076 1077 0	
	3	1977	1976–1977 Census Direct (Single year) (1976–1977) [Others Direct]	
	12	1979.8	1981 Other Demographic and Health Survey Direct (1981) [Other	
	_		DHS Direct]	
	3	1987.8	1988 Census Direct (Single year) (1988) [Others Direct]	
	12	1988.5	1990 Others Direct (1990) [Others Direct]	
	6	1997.6	2000–2001 Demographic and Health Survey Direct (2000–2001)	
			[DHS Direct]	
	9	2009.5	2011 Multiple Indicator Cluster Survey Direct (2011) [Others Direct]	
	9	2013.6	2015 Multiple Indicator Cluster Survey Direct (2015) [Others Direct]	
			Continued on next page	

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	#	Most		
Country	obs.	recent	Data series name [source type]	
	UDS.	obs. year		
	9	2017.9	2021 Demographic and Health Survey Direct (2021) [DHS Direct]	
Mauritius	96	2020.5		
	96	2020.5	Vital Registration [VR]	
Mexico	132	2020.5		
	3	1981.1	1987 Demographic and Health Survey Direct (1987) [DHS Direct]	
	12	2007.6	2009 Others Direct (2009) [Others Direct]	
	9	2012.7	2014 Others Direct (2014) [Others Direct]	
	12	2017.2	2018 Others Direct (2018) [Others Direct]	
	96	2020.5	Vital Registration [VR]	
Republic of	99	2020.5		
Moldova				
	3	1999.4	2005 Demographic and Health Survey Direct (2005) [DHS Direct]	
	3	2006.3	2012 Multiple Indicator Cluster Survey Direct (2012) [Others Direct]	
	93	2020.5	Vital Registration [VR]	
Monaco			č i j	
Mongolia	99	2019.5		
S	3	1992.8	1998 Others Direct (1998) [Others Direct]	
	3	2009.5	2010 Census Direct (Single year) (2010) [Others Direct]	
	3	2007.8	2013–2014 Multiple Indicator Cluster Survey Direct (2014) [Others	
			Direct]	
	3	2012.8	2018 Multiple Indicator Cluster Survey Direct (2018) [Others Direct]	
	27	1999.5	Adjusted Vital Registration [VR]	
	60	2019.5	Vital Registration [VR]	
Montenegro	78	2021	5 1	
\mathcal{S}	36	2002.5	Adjusted Vital Registration [VR]	
	42	2021	Vital Registration [VR]	
Montserrat	3	2004.5	5 , 1	
	3	2004.5	Vital Registration [VR]	
Morocco	57	2010		
	9	1978.3	1980 Other Demographic and Health Survey Direct (1980) [Other	
		-2.0.0	DHS Direct]	
	12	1985.8	1987 Demographic and Health Survey Direct (1987) [DHS Direct]	
	6	1989	1992 Demographic and Health Survey Direct (1992) [DHS Direct]	
	3	1989	1995 Demographic and Health Survey Direct (1995) [DHS Direct]	
	6	1994	1997 Others Direct (1997) [Others Direct]	
	9	2001.7	2003–2004 Demographic and Health Survey Direct (2003–2004)	
			[DHS Direct]	
	9	2001	2004 Others Direct (2004) [Others Direct]	
	3	2010	2009–2010 National Demographic Survey with repeated passages Di-	
			rect (Single year) (2009–2010) [Others Direct]	
Mozambique	48	2009.9	(0 .) / (
	18	2002.6	2003–2004 Demographic and Health Survey Direct (2003) [DHS Di-	
			rect]	
	18	2007.7	2008 Multiple Indicator Cluster Survey Direct (2008) [Others Direct]	
	12	2009.9	2011 Demographic and Health Survey Direct (2011) [DHS Direct]	
Myanmar	9	2013.8	2011 2 5 mographic and Health Survey Direct (2011) [2010 Direct]	
1v1 y aiiiiiai		2015.0	Continued on next page	

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	#	Most	
Country	obs.	recent	Data series name [source type]
		obs. year	
	3	2013.8	2014 Census Direct (Single year) (2014) [Others Direct]
	6	2012.9	2015–2016 Demographic and Health Survey Direct (2015–2016)
			[DHS Direct]
Namibia	33	2015.5	
	9	1990.5	1992 Demographic and Health Survey Direct (1992) [DHS Direct]
	3	1994.7	2000 Demographic and Health Survey Direct (2000) [DHS Direct]
	3	2001	2001 Census Direct (Single year) (2001) [Others Direct]
	6	2003.8	2006–2007 Demographic and Health Survey Direct (2006–2007)
			[DHS Direct]
	3	2011.2	2011 Census Direct (Single year) (2011) [Others Direct]
	6	2010.3	2013 Demographic and Health Survey Direct (2013) [DHS Direct]
	3	2015.5	2016 Inter–censal Demographic Survey Direct (Single year) (2016)
			[Others Direct]
Nauru			
Nepal	91	2013.4	
•	18	1990.6	1991 Others Direct (1991) [Others Direct]
	18	1995	1996 Demographic and Health Survey Direct (1996) [DHS Direct]
	3	2001	2001 Census Direct (Single year) (2001) [Others Direct]
	17	2000	2001 Demographic and Health Survey Direct (2001) [DHS Direct]
	11	2004.6	2006 Demographic and Health Survey Direct (2006) [DHS Direct]
	3	2010.5	2011 Census Direct (Single year) (2011) [Others Direct]
	6	2008	2011 Demographic and Health Survey Direct (2011) [DHS Direct]
	6	2011.2	2014 Multiple Indicator Cluster Survey Direct (2014) [Others Direct]
	6	2013.4	2016 Demographic and Health Survey Direct (2016) [DHS Direct]
	3	2013.3	2019 Multiple Indicator Cluster Survey Direct (2019) [Others Direct]
Netherlands	156	2021.5	
	156	2021.5	Vital Registration [VR]
New Zealand	156	2021.5	
	3	2005.7	2006 Census Direct (Single year) (2006) [Others Direct]
	153	2021.5	Vital Registration [VR]
Nicaragua	24	2005.6	
6	9	1995.9	1998 Demographic and Health Survey Direct (1998) [DHS Direct]
	9	1999.7	2001 Demographic and Health Survey Direct (2001) [DHS Direct]
	3	2000.8	2006 Others Direct (2006) [Others Direct]
	3	2005.6	2012 Others Direct (2012) [Others Direct]
Niger	93	2020.3	/ []
	18	1991.2	1992 Demographic and Health Survey Direct (1992) [DHS Direct]
	18	1997.2	1998 Demographic and Health Survey Direct (1998) [DHS Direct]
	3	2000.9	2001 Census Direct (Single year) (2001) [Others Direct]
	18	2005	2006 Demographic and Health Survey Direct (2006) [DHS Direct]
	18	2011.1	2012 Demographic and Health Survey Direct (2012) [DHS Direct]
	18	2020.3	2021 Others Direct (2021) [Others Direct]
Nigeria	100	2017.6	2021 Saleto Briest (2021) [Others Briest]
14150114	3	1965.6	1965–1966 Rural Demographic Sample Survey Direct (Single year)
		1703.0	(1965–1966) [Others Direct]
	16	1989.2	1990 Demographic and Health Survey Direct (1990) [DHS Direct]
	10	1709.2	Continued on next page

Table 25 – continued from previous page

Table 25 – continued from previous page				
	#	Most		
Country	obs.	recent	Data series name [source type]	
	UDS.	obs. year		
	12	2001.7	2003 Demographic and Health Survey Direct (2003) [DHS Direct]	
	3	2008.1	2008 Demographic and Health Survey Direct (Single year) (2008)	
			[DHS Direct]	
	18	2007.4	2008 Demographic and Health Survey Direct (2008) [DHS Direct]	
	9	2008.7	2010 Demographic and Health Survey Direct (2010) [Other DHS Di-	
			rect]	
	3	2012.8	2013 Demographic and Health Survey Direct (Single year) (2013)	
			[DHS Direct]	
	18	2012.1	2013 Demographic and Health Survey Direct (2013) [DHS Direct]	
	18	2017.6	2018 Demographic and Health Survey Direct (2018) [DHS Direct]	
Niue	3	1995		
	3	1995	Vital Registration [VR]	
Norway	156	2021.5		
	156	2021.5	Vital Registration [VR]	
Oman				
Pakistan	90	2014.8		
	3	1964	1962–1965 Population Growth Estimation Experiment Direct (Single	
			year) (1962–1965) [Others Direct]	
	3	1970	1971 Population Growth Survey I Direct (Single year) (1971) [Others	
			Direct]	
	6	1987.9	1990–1991 Demographic and Health Survey Direct (1990–1991)	
			[DHS Direct]	
	9	2002.2	2006–2007 Demographic and Health Survey Direct (2006–2007)	
			[DHS Direct]	
	9	2010.7	2012–2013 Demographic and Health Survey Direct (2012–2013)	
			[DHS Direct]	
	6	2014.8	2017–2018 Demographic and Health Survey Direct (2018) [DHS Di-	
			rect]	
	54	2007.5	Pakistan Demographic Survey [VR]	
Palau	24	2004	AT ID I GO DIDI	
_	24	2004	Vital Registration [VR]	
Panama	96	2021.5	A II A INT. I D. C. A. TUDI	
D N G	96	2021.5	Adjusted Vital Registration [VR]	
Papua New Guinea	6	2013.7	2016 2010 D	
	6	2013.7	2016–2018 Demographic and Health Survey Direct (2018) [DHS Di-	
D	0.0	2010.7	rect]	
Paraguay	23	2010.5	1070 Od D 11 11 11 0 D1 (4070) 101	
	6	1976.1	1979 Other Demographic and Health Survey Direct (1979) [Other	
		1004.2	DHS Direct]	
	3	1984.3	1990 Demographic and Health Survey Direct (1990) [DHS Direct]	
	3	1989.8	1996 Others Direct (1996) [Others Direct]	
	3	2002.2	2002 Census Direct (Single year) (2002) [Others Direct]	
	3	2002.5	2008 Others Direct (2008) [Others Direct]	
Damı	3	2010.5	2016 Multiple Indicator Cluster Survey Direct (2016) [Others Direct]	
Peru	111	2015.1	1006 Demographic and Health Current Direct (1006) [DHC D' 111]	
	6	1983.7	1986 Demographic and Health Survey Direct (1986) [DHS Direct]	

Table 25 – continued from previous page

Table 25 – continued from previous page			
	#	Most	
Country	obs.	recent	Data series name [source type]
		obs. year	
	12	1990.2	1991–1992 Demographic and Health Survey Direct (1991–1992)
			[DHS Direct]
	18	1995.6	1996 Demographic and Health Survey Direct (1996) [DHS Direct]
	18	1999.5	2000 Demographic and Health Survey Direct (2000) [DHS Direct]
	12	2005.5	2004–2008 Demographic and Health Survey Direct (2008) [DHS Di-
			rect]
	9	2007.2	2009 Demographic and Health Survey Direct (2009) [DHS Direct]
	6	2007.2	2010 Demographic and Health Survey Direct (2010) [DHS Direct]
	6	2008.2	2011 Demographic and Health Survey Direct (2011) [DHS Direct]
	6	2009.2	2012 Demographic and Health Survey Direct (2012) [DHS Direct]
	3	2007.2	2013 Demographic and Health Survey Direct (2013) [DHS Direct]
	6	2012.2	2014 Demographic and Health Survey Direct (2015) [DHS Direct]
	3	2011.2	2017 Others Direct (2017) [Other DHS Direct]
	3	2012.2	2018 Others Direct (2018) [Other DHS Direct]
	3	2015.1	2021 Others Direct (2021) [Other DHS Direct]
Philippines	159	2019.5	
	17	1977.1	1978 Other Demographic and Health Survey Direct (1978) [Other
			DHS Direct]
	17	1992.2	1993 Demographic and Health Survey Direct (1993) [DHS Direct]
	14	1997.1	1998 Demographic and Health Survey Direct (1998) [DHS Direct]
	12	2001.9	2003 Demographic and Health Survey Direct (2003) [DHS Direct]
	6	2005.6	2008 Demographic and Health Survey Direct (2008) [DHS Direct]
	9	2011.6	2013 Demographic and Health Survey Direct (2013) [DHS Direct]
	6	2014.6	2017 Demographic and Health Survey Direct (2017) [DHS Direct]
	57	2019.5	Adjusted Vital Registration [VR]
	21	1999.5	Vital Registration [VR]
Poland	156	2021.5	
	156	2021.5	Vital Registration [VR]
Portugal	159	2021.5	
	3	2010.8	2011 Census Direct (Single year) (2011) [Others Direct]
	156	2021.5	Vital Registration [VR]
Qatar	89	2020.5	
	89	2020.5	Vital Registration [VR]
Romania	99	2021.5	
	99	2021.5	Vital Registration [VR]
Russian Federation	150	2020.5	
	150	2020.5	Vital Registration [VR]
Rwanda	134	2018.3	
	18	1982.6	1983 Other Demographic and Health Survey Direct (1983) [Other
			DHS Direct]
	17	1991.4	1992 Demographic and Health Survey Direct (1992) [DHS Direct]
	15	1999.4	2000 Demographic and Health Survey Direct (2000) [DHS Direct]
	15	2004.1	2005 Demographic and Health Survey Direct (2005) [DHS Direct]
	18	2006.9	2008 Demographic and Health Survey Direct (2008) [DHS Direct]
	18	2009.7	2010 Demographic and Health Survey Direct (2010) [DHS Direct]
	3	2012.1	2012 Census Direct (Single year) (2012) [Others Direct]
	I	ı	Continued on next page

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Table 25 – continued from previous page				
	#	Most		
Country		recent	Data series name [source type]	
	obs.	obs. year		
	18	2013.8	2014–2015 Demographic and Health Survey Direct (2014–2015)	
			[DHS Direct]	
	12	2018.3	2019–2020 Demographic and Health Survey Direct (2020) [DHS Di-	
	12	2016.5	•	
~		2017.7	rect]	
Saint Kitts and	23	2015.5		
Nevis				
	23	2015.5	Vital Registration [VR]	
Saint Lucia	74	2018.5		
	74	2018.5	Vital Registration [VR]	
Samoa	15	2016.4		
Sumou	3	1999	1999 Demographic and Health Survey Direct (Single year) (1999)	
		1777	[Other DHS Direct]	
	1	2006.4		
	3	2006.4	2006 Census Direct (Single year) (1976) [Others Direct]	
	3	2011.4	2011 Population and Housing Census Direct (Single year) (2011)	
			[Others Direct]	
	2	2016.4	2016 Population and Housing Census Direct (Single year) (2016)	
			[Others Direct]	
San Marino	3	1991		
	3	1991	Vital Registration [VR]	
Sao Tome and	11	2013.6	That Registration [TR]	
	11	2013.0		
Principe	1	2002.7	2000 2000 D	
	3	2002.7	2008–2009 Demographic and Health Survey Direct (2008–2009)	
			[DHS Direct]	
	3	2011.9	2012 Census Direct (Single year) (2012) [Others Direct]	
	3	2013.6	2019 Multiple Indicator Cluster Survey Direct (2019) [Others Direct]	
Saudi Arabia				
Senegal	218	2017.3		
	18	1977.4	1978 Other Demographic and Health Survey Direct (1978) [Other	
			DHS Direct]	
	18	1985.2	1986 Demographic and Health Survey Direct (1986) [DHS Direct]	
	18	I		
	18	1991.8	1992–1993 Demographic and Health Survey Direct (1992–1993)	
	1	1005	[DHS Direct]	
	17	1996	1997 Demographic and Health Survey Direct (1997) [DHS Direct]	
	18	1998.8	1999–2000 Demographic and Health Survey Direct (1999) [DHS Di-	
			rect]	
	3	2002.5	2002 Census Direct (Single year) (2002) [Others Direct]	
	18	2004.1	2005 Demographic and Health Survey Direct (2005) [DHS Direct]	
	18	2007.9	2008–2009 Demographic and Health Survey Direct (2008) [Other	
			DHS Direct]	
	18	2009.7	2010–2011 Demographic and Health Survey Direct (2010–2011)	
	10	2007.1		
	10	2011.2	[DHS Direct]	
	12	2011.2	2012–2013 Demographic and Health Survey Direct (2012–2013)	
	_		[DHS Direct]	
	3	2013.4	2013 Census Direct (Single year) (2013) [Others Direct]	
	6	2011	2014 Demographic and Health Survey Direct (2014) [DHS Direct]	
	6	2012	2015 Demographic and Health Survey Direct (2015) [DHS Direct]	
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Table 25 – continued from previous page			
	#	Most	
Country	obs.	recent	Data series name [source type]
	ons.	obs. year	
	9	2014	2016 Demographic and Health Survey Direct (2016) [DHS Direct]
	18	2016.2	2017 Demographic and Health Survey Direct (2017) [DHS Direct]
	9	2016.4	2018 Demographic and Health Survey Direct (2018) [DHS Direct]
	9	2017.3	2019 Demographic and Health Survey Direct (2019) [DHS Direct]
Serbia	99	2021.5	21
	60	2021.5	Adjusted Vital Registration [VR]
	39	2001.5	Vital Registration [VR]
Seychelles	53	2016.5	
z ej enemes	3	1959.8	1960 Census Direct (Single year) (1960) [Others Direct]
	50	2016.5	Vital Registration [VR]
Sierra Leone	66	2018.3	
Sicila Leone	12	2006.7	2008 Demographic and Health Survey Direct (2008) [DHS Direct]
	18	2012.4	2013 Demographic and Health Survey Direct (2006) [DHS Direct]
	18	2012.4	2013 Demographic and Health Survey Direct (2013) [DHS Direct]
	18	2018.3	2017 Multiple Indicator Cluster Survey Direct (2017) [Others Direct] 2019 Demographic and Health Survey Direct (2019) [DHS Direct]
Cingonoro			2017 Demographic and Health Survey Direct (2019) [Dris Direct]
Singapore	96 96	2020.5 2020.5	Vital Paristration [VD]
011-1-			Vital Registration [VR]
Slovakia	156	2021.5	Vital Designation [VD]
C1 :	156	2021.5	Vital Registration [VR]
Slovenia	117	2021.5	AT 1D 1 C TAID
	117	2021.5	Vital Registration [VR]
Solomon Islands	6	2009.4	
	3	2009.4	2009 Census Direct (Single year) (2009) [Others Direct]
	3	2008	2015 Other Demographic and Health Survey Direct (2015) [Other
			DHS Direct]
Somalia	12	2005.2	
	12	2005.2	2006 Multiple Indicator Cluster Survey Direct (2006) [Others Direct]
South Africa	75	2020.5	
	6	1995	1998 Demographic and Health Survey Direct (1998) [DHS Direct]
	3	2011.3	2011 Census Direct (Single year) (2011) [Others Direct]
	3	2010.4	2016 Demographic and Health Survey Direct (2016) [DHS Direct]
	63	2020.5	RMS [VR]
South Sudan	6	2007.2	
	6	2007.2	2010 Multiple Indicator Cluster Survey Direct (2010) [Others Direct]
Spain	153	2020.5	
•	153	2020.5	Vital Registration [VR]
Sri Lanka	93	2014.5	
	6	1984	1987 Demographic and Health Survey Direct (1987) [DHS Direct]
	6	1990.6	1993 Other Demographic and Health Survey Direct (1993) [Other
			DHS Direct]
	3	1994.4	2000 Other Demographic and Health Survey Direct (2000) [Other
			DHS Direct]
	6	2003.7	2007 Other Demographic and Health Survey Direct (2007) [Other
		2005.7	DHS Direct]
	3	2010.4	2016 Other Demographic and Health Survey Direct (2016) [Other
	3	2010.7	DHS Direct]
			Continued on next neces

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Table 25 – continued from previous page			
	#	Most	
Country	obs.	recent	Data series name [source type]
	UDS.	obs. year	
	69	2014.5	Vital Registration [VR]
Saint Vincent and	64	2017	
the Grenadines			
	64	2017	Vital Registration [VR]
State of Palestine	27	2013.9	•
	9	1993.9	1995 Others Direct (1995) [Others Direct]
	6	2003	2006 Others Direct (2006) [Others Direct]
	6	2007.4	2010 Multiple Indicator Cluster Survey Direct (2010) [Others Direct]
	3	2008.2	2014 Multiple Indicator Cluster Survey Direct (2014) [Others Direct]
	3	2013.9	2019–2020 Multiple Indicator Cluster Survey Direct (2020) [Others
			Direct]
Sudan	63	2013.2	
	9	1976	1979 Other Demographic and Health Survey Direct (1979) [Other
			DHS Direct]
	18	1988.8	1989–1990 Demographic and Health Survey Direct (1989–1990)
			[DHS Direct]
	18	1991	1993 Others Direct (1993) [Others Direct]
	6	2007.2	2010 Multiple Indicator Cluster Survey Direct (2010) [Others Direct]
	12	2013.2	2014 Multiple Indicator Cluster Survey Direct (2014) [Others Direct]
Suriname	96	2019.5	in the manufacture of the second of the seco
	3	2012.2	2018 Multiple Indicator Cluster Survey Direct (2018) [Others Direct]
	93	2019.5	Adjusted Vital Registration [VR]
Swaziland	21	2013.1	, , ,
	3	1996.9	1997 Census Direct (Single year) (1997) [Others Direct]
	3	2000.5	2006–2007 Demographic and Health Survey Direct (2006–2007)
			[DHS Direct]
	6	2007.7	2010 Multiple Indicator Cluster Survey Direct (2010) [Others Direct]
	9	2013.1	2014 Multiple Indicator Cluster Survey Direct (2014) [Others Direct]
Sweden	156	2021.5	• • • • • • • • • • • • • • • • • • • •
	156	2021.5	Vital Registration [VR]
Switzerland	156	2021.5	5 1
	156	2021.5	Vital Registration [VR]
Syria	51	2010.5	
	6	1975.5	1978 Other Demographic and Health Survey Direct (1978) [Other
			DHS Direct]
	3	1987	1993 Others Direct (1993) [Others Direct]
	3	1995.8	2001 Others Direct (2001) [Others Direct]
	39	2010.5	Vital Registration [VR]
Tajikistan	75	2021.5	
	3	2006.5	2012 Demographic and Health Survey Direct (2012) [DHS Direct]
	3	2011.6	2017 Demographic and Health Survey Direct (2017) [DHS Direct]
	27	1999.5	Adjusted Vital Registration [VR]
	42	2021.5	Vital Registration [VR]
Tanzania	101	2014.1	
	3	1973.3	1973 National Demographic Survey Direct (Single year) (1973) [Oth-
			ers Direct]
1			Continued on next nage

Table 25 – continued from previous page

Table 25 – continued from previous page			
	#	Most	
Country	obs.	recent	Data series name [source type]
	ons.	obs. year	
	18	1990.7	1991–1992 Demographic and Health Survey Direct (1991–1992)
			[DHS Direct]
	17	1995.5	1996 Demographic and Health Survey Direct (1996) [DHS Direct]
	3	1993.7	1999 Demographic and Health Survey Direct (1999) [DHS Direct]
	18	2003.7	2004–2005 Demographic and Health Survey Direct (2004–2005)
			[DHS Direct]
	12	2006.2	2007–2008 Demographic and Health Survey Direct (2007) [Other
	12	2000.2	DHS Direct]
	12	2008.4	2010 Demographic and Health Survey Direct (2010) [DHS Direct]
	3	2010.4	2010–2011 National Panel Survey Direct (Single year) (2010–2011)
)	2010.4	[Others Direct]
	3	2012.2	2012–2013 National Panel Survey Direct (Single year) (2012–2013)
	3	2012.2	
	10	2014.1	[Others Direct]
	12	2014.1	2015–2016 Demographic and Health Survey Direct (2015–2016)
TD1 '1 1	00	2010.5	[DHS Direct]
Thailand	98	2019.5	1007 D
	3	1981.2	1987 Demographic and Health Survey Direct (1987) [DHS Direct]
	3	1989	1989 Survey of Population Change Direct (Single year) (1989) [Oth-
			ers Direct]
	3	1995.5	1995 Survey of Population Change Direct (Single year) (1995) [Oth-
			ers Direct]
	87	2019.5	Adjusted Vital Registration [VR]
Timor Leste	15	2008.4	
	12	2008.1	2009–2010 Demographic and Health Survey Direct (2009–2010)
			[DHS Direct]
	3	2008.4	2015 Census Direct (Single year) (2015) [Others Direct]
Togo	66	2016.3	
	3	1961.4	1961 Demographic survey Direct (Single year) (1961) [Others Direct]
	12	1986.9	1988 Demographic and Health Survey Direct (1988) [DHS Direct]
	18	1997.1	1998 Demographic and Health Survey Direct (1998) [DHS Direct]
	3	2010.4	2010 Census Direct (Single year) (2010) [Others Direct]
	18	2012.8	2013–2014 Demographic and Health Survey Direct (2013–2014)
			[DHS Direct]
	12	2016.3	2017 Multiple Indicator Cluster Survey Direct (2017) [Others Direct]
Tonga	75	2018.5	
	3	2006.4	2006 Census Direct (Single year) (2006) [Others Direct]
	41	2005.5	Adjusted Vital Registration [VR]
	29	2018.5	Vital Registration [VR]
Trinidad and To-	92	2017.5	
bago	72	2017.5	
050	3	1971.2	1977 Other Demographic and Health Survey Direct (1977) [Other
		17/1.2	DHS Direct]
	87	2017.5	Vital Registration [VR]
Tunisia	51	2017.5	vitai registration [v r.]
Tullista			1069, 1060 National Domagnaphic Common Direct (Circle and A (1069)
	3	1969	1968–1969 National Demographic Survey Direct (Single year) (1968–
			1969) [Others Direct] Continued on next page

Table 25 – continued from previous page

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	#	Most	
Country	obs.	recent	Data series name [source type]
	uns.	obs. year	
	6	1985.4	1988 Demographic and Health Survey Direct (1988) [DHS Direct]
	3	1988	1994 Others Direct (1994) [Others Direct]
	3	1995	2001 Others Direct (2001) [Others Direct]
	3	2006	2011–2012 Multiple Indicator Cluster Survey Direct (2012) [Others
			Direct]
	3	2012.2	2018 Multiple Indicator Cluster Survey Direct (2018) [Others Direct]
	21	2000.5	Adjusted Vital Registration [VR]
	9	2017.5	Vital Registration [VR]
Turkey	59	2019.5	The region with [121]
Turkey	8	1976.7	1978 Other Demographic and Health Survey Direct (1978) [Other
		1570.7	DHS Direct]
	3	1987.6	1993 Demographic and Health Survey Direct (1993) [DHS Direct]
	3	1992.6	1998 Demographic and Health Survey Direct (1998) [DHS Direct]
	3	1997.9	2003–2004 Demographic and Health Survey Direct (2003) [Other
	3	1777.7	DHS Direct]
	3	2002.7	2003 National Verbal Autopsy Survey Direct (Single year) (2003)
	3	2002.7	[Others Direct]
	3	2002.7	2008 Demographic and Health Survey Direct (2008) [Other DHS Di-
	3	2002.7	
	2	2007.7	rect] 2012 Other Demographic and Health Survey Direct (2012) [Other
	3	2007.7	2013 Other Demographic and Health Survey Direct (2013) [Other
	2	2012.9	DHS Direct] 2018 Other Demographic and Health Survey Direct (2018) [Other
	3	2012.8	2018 Other Demographic and Health Survey Direct (2018) [Other
	20	2010.5	DHS Direct]
TD 1 ' 4	30	2019.5	Vital Registration [VR]
Turkmenistan	88	2015.5	2000 B 1, 111 1/1 C B, (2000) EDITO B, (1
	3	1994.5	2000 Demographic and Health Survey Direct (2000) [DHS Direct]
m 1 0 1	81	2015.5	Adjusted Vital Registration [VR]
Turks and Caicos	16	2013.8	
Islands		2006.5	The Land County of the County
	14	2006.5	Vital Registration [VR]
Tuvalu	11	2013.9	
	9	2002	Vital Registration [VR]
Uganda	95	2015.4	
	12	1987.2	1988–1989 Demographic and Health Survey Direct (1988–1989)
			[DHS Direct]
	12	1993.7	1995 Demographic and Health Survey Direct (1995) [DHS Direct]
	12	1999.2	2000–2001 Demographic and Health Survey Direct (2000–2001)
			[DHS Direct]
	3	2006	2006 Demographic and Health Survey Direct (Single year) (2006)
			[DHS Direct]
	18	2005.3	2006 Demographic and Health Survey Direct (2006) [DHS Direct]
	3	2003.8	2009–2010 Demographic and Health Survey Direct (2009) [DHS Di-
			rect]
	17	2010.4	2011 Demographic and Health Survey Direct (2011) [DHS Direct]
	18	2015.4	2016 Demographic and Health Survey Direct (2016) [DHS Direct]
Ukraine	160	2021.5	

Table 25 – continued from previous page

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Country	# obs.	Most recent	Data series name [source type]	
	2	obs. year	1000 Others Direct (1000) [Others Direct]	
	3	1993.5	1999 Others Direct (1999) [Others Direct]	
	2	2001.5	2007 Demographic and Health Survey Direct (2007) [DHS Direct]	
	2	2006.8	2012 Multiple Indicator Cluster Survey Direct (2012) [Others Direct]	
	153	2021.5	Vital Registration [VR]	
United Arab Emi-				
rates	201	2020.5		
United Kingdom	201	2020.5	Art 1D 1 c d FADI	
***	201	2020.5	Vital Registration [VR]	
United States of	153	2020.5		
America				
**	153	2020.5	Vital Registration [VR]	
Uruguay	93	2020.5		
	93	2020.5	Vital Registration [VR]	
Uzbekistan	102	2021.5		
	3	1996	2002 Demographic and Health Survey Direct (2002) [Other DHS Di-	
			rect]	
	99	2021.5	Adjusted Vital Registration [VR]	
Vanuatu	3	2009.4		
	3	2009.4	2009 Census Direct (Single year) (2009) [Others Direct]	
Venezuela (Boli-	81	2016.5		
varian Republic				
of)				
	3	1971.2	1977 Other Demographic and Health Survey Direct (1977) [Other	
			DHS Direct]	
	45	2016.5	Adjusted Vital Registration [VR]	
	33	2000.5	Vital Registration [VR]	
Vietnam	54	2020.3		
	3	1978.8	1979 Census Direct (Single year) (1979) [Others Direct]	
	9	1986	1988 Other Demographic and Health Survey Direct (1988) [Other DHS Direct]	
	3	1991.5	1997 Demographic and Health Survey Direct (1997) [DHS Direct]	
	3	1998.7	1999 Census Direct (Single year) (1999) [Others Direct]	
	3	1996.7	2002 Demographic and Health Survey Direct (2002) [DHS Direct]	
	3	2006.8	2007 Population Change and Family Planning Survey Direct (Single	
	_		year) (2007) [Others Direct]	
	3	2010.8	2011 Population Change and Family Planning Survey Direct (Single	
			year) (2011) [Others Direct]	
	3	2011.8	2012 Population Change and Family Planning Survey Direct (Single	
			year) (2012) [Others Direct]	
	3	2008	2013–2014 Multiple Indicator Cluster Survey Direct (2014) [Others	
			Direct]	
	3	2012.8	2013 Population Change and Family Planning Survey Direct (Single	
			year) (2013) [Others Direct]	
	3	2013.5	2014 Intercensal Demographic Survey Direct (Single year) (2014)	
			[Others Direct]	
		I	Continued on next page	

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G4	#		Data and a same factor of
Country	obs.	recent	Data series name [source type]
		obs. year	
	3	2014.8	2015 Population Change and Family Planning Survey Direct (Single
			year) (2015) [Others Direct]
	3	2016.5	2017 Population Change and Family Planning Survey Direct (Single
			year) (2017) [Others Direct]
	3	2017.5	2018 Population Change and Family Planning Survey Direct (Single
			year) (2018) [Others Direct]
	3	2020.3	2020 Population Change and Family Planning Survey Direct (Single
			year) (2020) [Others Direct]
	3	2014.9	2021 Multiple Indicator Cluster Survey Direct (2021) [Others Direct]
Yemen	60	2007.7	2021 Multiple indicator Cluster Survey Direct (2021) [Outers Direct]
Temen			1070 Other Demographic and Health Survey Direct (1070) [Other
	6	1976.7	1979 Other Demographic and Health Survey Direct (1979) [Other
	0	1000.0	DHS Direct]
	9	1989.8	1991–1992 Demographic and Health Survey Direct (1991–1992)
	10	1005 -	[DHS Direct]
	18	1996.7	1997 Demographic and Health Survey Direct (1997) [DHS Direct]
	18	2002	2003 Others Direct (2003) [Others Direct]
	3	2000.7	2006 Multiple Indicator Cluster Survey Direct (2006) [Others Direct]
	6	2007.7	2013 Demographic and Health Survey Direct (2013) [DHS Direct]
Zambia	95	2017	
	18	1991	1992 Demographic and Health Survey Direct (1992) [DHS Direct]
	17	1995.5	1996–1997 Demographic and Health Survey Direct (1996) [DHS Di-
			rect]
	18	2000.8	2001–2002 Demographic and Health Survey Direct (2001–2002)
			[DHS Direct]
	12	2005.7	2007 Demographic and Health Survey Direct (2007) [DHS Direct]
	18	2012.6	2013–2014 Demographic and Health Survey Direct (2013–2014)
	10	2012.0	[DHS Direct]
	12	2017	2018 Demographic and Health Survey Direct (2018) [DHS Direct]
Zimbabwe	62	2017	2010 Demographic and Health Survey Direct (2010) [DHS Direct]
Zillioaowe			1000 1000 Damagraphia and Haalth Courses Direct (1000) [DUC D:
	6	1985.7	1988–1989 Demographic and Health Survey Direct (1988) [DHS Di-
	_	1002.1	rect]
	3	1992.1	1992 Census Direct (Single year) (1992) [Others Direct]
	6	1991.5	1994 Demographic and Health Survey Direct (1994) [DHS Direct]
	3	1993.7	1999 Demographic and Health Survey Direct (1999) [DHS Direct]
	6	2006.3	2009 Multiple Indicator Cluster Survey Direct (2009) [Others Direct]
	8	2008.7	2010–2011 Demographic and Health Survey Direct (2010–2011)
			[DHS Direct]
	3	2012.1	2012 Census Direct (Single year) (2012) [Others Direct]
	12	2012.7	2014 Multiple Indicator Cluster Survey Direct (2014) [Others Direct]
	6	2012.5	2015 Demographic and Health Survey Direct (2015) [DHS Direct]
	3	2016.5	2017 Inter–Censal Demographic Survey Direct (Single year) (2017)
			[Others Direct]
	6	2016.1	2019 Multiple Indicator Cluster Survey Direct (2019) [Others Direct]
	,		======================================

Table 26: **Sex ratio data sources for age group 15–19, by country.** For each country, the total number of observations and the most recent reference year are shown after the country name. For each country-specific data series, the number of observations and the most recent reference year within that series is shown before each data series name. The source type that each data series falls in is shown in parentheses after each data series name.

		Most	
Country	#	recent	Data series name [source type]
J	obs.	obs. year	
Afghanistan	39	2014.4	
	3	1973	1972 National Demographic and Family Guidance Survey Direct (Sin-
			gle year) (1972) [Others Direct]
	3	1979	1979 Census Direct (Single year) (1979) [Others Direct]
	3	2008.1	2010 Afghanistan Mortality Survey (AMS) Excluding South Zone
			(Household data) Direct (Single year) (2010) [Others Direct]
	12	2008.7	2010 Demographic and Health Survey Direct (2010) [DHS Direct]
	18	2014.4	2015 Demographic and Health Survey Direct (2015) [DHS Direct]
Albania	69	2021.5	
	3	2011.1	2011 Census Direct (Single year) (2011) [Others Direct]
	66	2021.5	Vital Registration [VR]
Algeria	69	2020.5	
	3	1970.5	1970 Demographic Survey Direct (Single year) (1970) [Others Direct]
	66	2020.5	Vital Registration [VR]
Andorra	10	2019.5	
	10	2019.5	Vital Registration [VR]
Angola	21	2014.8	
	3	2013.9	2014 Census Direct (Single year) (2014) [Others Direct]
	18	2014.8	2016 Demographic and Health Survey Direct (2016) [DHS Direct]
Anguilla			
Antigua and Bar-	40	2017.5	
buda			
	40	2017.5	Vital Registration [VR]
Argentina	96	2020.5	
	96	2020.5	Vital Registration [VR]
Armenia	95	2021.5	
	95	2021.5	Vital Registration [VR]
Australia	153	2020.5	
	153	2020.5	Vital Registration [VR]
Austria	153	2020.5	
	153	2020.5	Vital Registration [VR]
Azerbaijan	90	2021.5	
	90	2021.5	Adjusted Vital Registration [VR]
Bahamas	93	2020.5	
	93	2020.5	Adjusted Vital Registration [VR]
Bahrain	92	2019.5	
	92	2019.5	Vital Registration [VR]
Bangladesh	123	2020.5	
	3	1964	1962–1965 Population Growth Estimation Experiment Direct (Single
			year) (1962–1965) [Others Direct]
	3	1974.5	1974 Retrospective Fertility and Mortality Survey (UN SA) Direct (Sin-
			gle year) (1974) [Others Direct]
			Continued on next nego

Table 26 – continued from previous page

	Table 26 – continued from previous page				
		#	Most		
Country		obs.	recent	Data series name [source type]	
		UDS.	obs. year		
		3	1999.8	1999–2000 Demographic and Health Survey Direct (Single year)	
				(1999–2000) [Others Direct]	
		12	2001.7	2003 World Health Survey Direct (Various periods) (2003) [Others Di-	
				rect]	
		3	2010	2010 Maternal Health Services and Maternal Mortality Survey Direct (5	
				year) (2010) [Others Direct]	
		3	2010.7	2011 Census Direct (Single year) (2011) [Others Direct]	
		3	2016	2016 Maternal Health Services and Maternal Mortality Survey Direct	
				(Single year) (2016) [Others Direct]	
		3	2016.5	Report on Sample Vital Registration System 2016 Vital Registration (2016) [Others Direct]	
		3	2017.5	Report on Sample Vital Registration System 2016 Vital Registration (2017) [Others Direct]	
		3	2018.5	Report on Sample Vital Registration System 2016 Vital Registration (2018) [Others Direct]	
		3	2019.5	Report on Sample Vital Registration System 2016 Vital Registration	
			2017.5	(2019) [Others Direct]	
		3	2020.5	Report on Sample Vital Registration System 2016 Vital Registration	
			2020.5	(2020) [Others Direct]	
		78	2015.5	SVital Registration [VR]	
Barbados		75	2013.5		
		75	2013.5	Vital Registration [VR]	
Belarus		150	2019.5		
		150	2019.5	Vital Registration [VR]	
Belgium		153	2020.5		
U		153	2020.5	Vital Registration [VR]	
Belize		81	2018.5		
		81	2018.5	Adjusted Vital Registration [VR]	
Benin		63	2016.8		
		18	1995.4	1996 Demographic and Health Survey Direct (1996) [DHS Direct]	
		18	2005.6	2006 Demographic and Health Survey Direct (2006) [DHS Direct]	
		9	2012.5	2014 Multiple Indicator Cluster Survey 2014 [Others Direct]	
		18	2016.8	2018 Demographic and Health Survey Direct (2018) [DHS Direct]	
Bhutan		9	2012.5		
		3	1993.1	1994 National Health Survey Direct (2 year) (1994) [Others Direct]	
		3	2004.9	2005 Census Direct (Single year) (2005) [Others Direct]	
		3	2012.5	2012 National Health Survey Direct (Single year) (2012) [Others Direct]	
Bolivia	(Pluri-	60	2007.1		
national of)	State				
·- <i>)</i>		3	1979.8	1980 National Demographic Survey Direct (Single year) (1980) [Others Direct]	
		3	1991.9	1992 Census Direct (Single year) (1992) [Others Direct]	
		18	1991.9	1992 Census Direct (Single year) (1992) [Others Direct] 1993–1994 Demographic and Health Survey Direct (1993–1994) [DHS	
l		10	1774.0	Direct]	
		18	2002.6	2003 Demographic and Health Survey Direct (2003) [DHS Direct]	

Table 26 – continued from previous page

	Table 26 – continued from previous page			
	#	Most		
Country	obs.	recent	Data series name [source type]	
	ons.	obs. year		
	18	2007.1	2008 Demographic and Health Survey Direct (2008) [DHS Direct]	
Bosnia and Herze-	63	2016.5		
govina				
	63	2016.5	Vital Registration [VR]	
Botswana	21	2016.5		
	3	1981.1	1981 Census Direct (Single year) (1981) [Others Direct]	
	3	1991.1	1991 Census Direct (Single year) (1991) [Others Direct]	
	3	1997.9	1998 Demographic Survey Direct (Single year) (1998) [Others Direct]	
	3	2001.1	2001 Census Direct (Single year) (2001) [Others Direct]	
	$\begin{bmatrix} 3 \\ 3 \end{bmatrix}$	2006.2	2006 Demographic Survey Direct (Single year) (2006) [Others Direct]	
	$\begin{bmatrix} 3 \\ 3 \end{bmatrix}$	2011.1	2011 Census Direct (Single year) (2011) [Others Direct]	
	$\begin{bmatrix} 3 \\ 3 \end{bmatrix}$	2011.1	2017 Census Direct (Single year) (2017) [Others Direct] 2017 BWA _D irect(Singleyear) ₂ 017 _D irect(Singleyear)[OthersDirect]	
Brazil	117	2020.5	2017 BWADirect (Singleyear) 2017 Direct (Singleyear) [OthersDirect]	
DIAZII		1995.2	1996 Demographic and Health Survey Direct (1996) [DHS Direct]	
	18 3	2010.2	2010 Census Direct (Single year) (2010) [Others Direct]	
D '.' 1 X7' ' T	96	2020.5	Vital Registration [VR]	
British Virgin Is-				
lands	0.0	2010 7		
Brunei	83	2019.5		
	83	2019.5	Vital Registration [VR]	
Bulgaria	156	2021.5		
	156	2021.5	Vital Registration [VR]	
Burkina Faso	81	2009.3		
	3	1960.5	1960–1961 Survey Direct (Single year) (1960–1961) [Others Direct]	
	3	1985.5	1985 Census Direct (Single year) (1985) [Others Direct]	
	3	1995.5	1996 Census Direct (Single year) (1996) [Others Direct]	
	18	1997.8	1998–1999 Demographic and Health Survey Direct (1998–1999) [DHS Direct]	
	10	2002.4		
	18		2003 Demographic and Health Survey Direct (2003) [DHS Direct]	
	12	2001.7	2003 World Health Survey Direct (Various periods) (2003) [Others Direct]	
	3	2006.4	2006 Census Direct (Single year) (2006) [Others Direct]	
	3	2007.3	2008 Global Fund Evaluation Survey Direct (Single year) (2008) [Oth-	
		200716	ers Direct]	
	18	2009.3	2010 Demographic and Health Survey Direct (2010) [DHS Direct]	
Burundi	42	2015.8	5 1	
	3	1964.7	1965 Population Survey Direct (Single year) (1965) [Others Direct]	
	3	2008.2	2008 Census Direct (Single year) (2008) [Others Direct]	
	18	2009.6	2010 Demographic and Health Survey Direct (2010) [DHS Direct]	
	18	2015.8	2017 Demographic and Health Survey Direct (2017) [DHS Direct]	
Cambodia	72	2013.4		
Camoodia	18	1999.1	2000 Demographic and Health Survey Direct (2000) [DHS Direct]	
	18	2004.7	2005 Demographic and Health Survey Direct (2005) [DHS Direct]	
	18	2009.5	2010 Demographic and Health Survey Direct (2010) [DHS Direct]	
	18	2009.3	2014 Demographic and Health Survey Direct (2014) [DHS Direct]	
Cameroon	81	2013.4	2017 Demographic and Health Survey Direct (2014) [DHS Direct]	
Cameroon	01	2017.4	Continued on next page	

Table 26 – continued from previous page

	Table 26 – continued from previous page				
	#	Most			
Country	obs.	recent	Data series name [source type]		
	UDS.	obs. year			
	3	1975.8	1976 Census Direct (Single year) (1976) [Others Direct]		
	3	1986.8	1987 Census Direct (Single year) (1987) [Others Direct]		
	18	1997.1	1998 Demographic and Health Survey Direct (1998) [DHS Direct]		
	18	2003.1	2004 Demographic and Health Survey Direct (2004) [DHS Direct]		
	3	2005.4	2005 Census Direct (Single year) (2005) [Others Direct]		
	18	2010	2011 Demographic and Health Survey Direct (2011) [DHS Direct]		
	18	2017.4	2018 Demographic and Health Survey Direct (2018) [DHS Direct]		
Canada	153	2020.5			
	153	2020.5	Vital Registration [VR]		
Cape Verde	81	2018.5	,B		
Cupe verue	3	2000	2000 Census Direct (Single year) (2000) [Others Direct]		
	3	2009.5	2010 Census Direct (Single year) (2010) [Others Direct]		
	18	1999.5	Adjusted Vital Registration [VR]		
	57	2018.5	Vital Registration [VR]		
Central African		2003.4	vital Registration [VR]		
Republic Amean	21	2005.4			
Republic	3	1959.5	1959–1960 Survey Direct (Single year) (1959–1960) [Others Direct]		
	3	1988.4	1988 Census Direct (Single year) (1988) [Others Direct]		
	18	1988.4	1		
	10	1995.7	1994–1995 Demographic and Health Survey Direct (1994–1995) [DHS		
	3	2002.4	Direct]		
Chad		2003.4	2003 Census Direct (Single year) (2003) [Others Direct]		
Chad	57	2013.7	1007 1007 D		
	18	1995.9	1996–1997 Demographic and Health Survey Direct (1996–1997) [DHS		
	1.0	2002.5	Direct]		
	18	2003.5	2004 Demographic and Health Survey Direct (2004) [DHS Direct]		
	3	2008.9	2009 Census Direct (Single year) (2009) [Others Direct]		
	18	2013.7	2014–2015 Demographic and Health Survey Direct (2014–2015) [DHS		
C1 11	1.70	2020 7	Direct]		
Chile	153	2020.5			
	153	2020.5	Vital Registration [VR]		
China	48	2010.5			
	3	1973.5	$1964-1982 \text{ CHN}_{C}ensus_{1}9641982_{D}irect[OthersDirect]$		
	3	1986.5	$1982-1990 \text{ CHN}_{C}ensus_{1}9821990_{D}irect[OthersDirect]$		
	3	1987	1987 China 1987 One–per–Hundred National Population Survey Direct		
			(Single year) (1987) [Others Direct]		
	3	1995.5	$1990-2000 \text{ CHN}_C ensus_1 9902000_D irect[OthersDirect]$		
	3	1995.4	1995 China 1995 One-percent Sample Survey Direct (Single year)		
			(1995) [Others Direct]		
	3	2000.5	$1999-2000 \text{ CHN}_{C}ensus_{1}9992000_{D}irect[OthersDirect]$		
	3	2005.5	$2000-2010 \text{ CHN}_{C}ensus_{2}0002010_{D}irect[OthersDirect]$		
	3	2007.4	2007 China 2007 Annual Population Change Survey Direct (Single		
			year) (2007) [Others Direct]		
	3	2008.4	2008 China 2008 Annual Population Change Survey Direct (Single		
			year) (2008) [Others Direct]		
	21	2010.5	CDC Surveillance surveys [VR]		
Colombia	102	2020.5			
			Continued on next nego		

Table 26 – continued from previous page

Table 26 – continued from previous page				
	#	Most		
Country	obs.	recent	Data series name [source type]	
	UDS.	obs. year		
	18	2014.1	2015 Demographic and Health Survey Direct (2015) [DHS Direct]	
	84	2020.5	Adjusted Vital Registration [VR]	
Comoros	12	2009.6		
	3	1958.2	1958 Census Direct (Single year) (1958) [Others Direct]	
	3	2003.2	2003 Census Direct (Single year) (2003) [Others Direct]	
	6	2009.6	2012 Demographic and Health Survey Direct (2012) [DHS Direct]	
Congo	45	2012.9	2012 Belliographic and Health Saired (2012) [Bits Breet]	
Congo	18	2004.5	2005 Demographic and Health Survey Direct (2005) [DHS Direct]	
	18	2010.7	2011–2012 Demographic and Health Survey Direct (2011–2012) [DHS	
	10	2010.7		
	0	2012.0	Direct]	
D D	9	2012.9	2015 Multiple Indicator Cluster Survey 2015 [Others Direct]	
Democratic Re-	33	2012.6		
public of the				
Congo				
	15	2006	2007 Demographic and Health Survey Direct (2007) [DHS Direct]	
	18	2012.6	2013–2014 Demographic and Health Survey Direct (2013–2014) [DHS	
			Direct]	
Cook Islands	25	2008.5		
	25	2008.5	Vital Registration [VR]	
Costa Rica	96	2020.5		
	96	2020.5	Adjusted Vital Registration [VR]	
Cote d'Ivoire	60	2010.9	-January 19 1 1 1	
Cole a Trone	3	1977.5	1978–1979 Demographic Survey Repeated Passages Direct (Single	
		1777.5	year) (1978–1979) [Others Direct]	
	18	1993.4	1994 Demographic and Health Survey Direct (1994) [DHS Direct]	
	3	1998.4	1998 Census Direct (Single year) (1998) [Others Direct]	
		2000.2		
	6	2000.2	2003 World Health Survey Direct (Various periods) (2003) [Others Di-	
	10	2004.1	rect]	
	12	2004.1	2005 Demographic and Health Survey Direct (2005) [DHS Direct]	
	18	2010.9	2011–2012 Demographic and Health Survey Direct (2011–2012) [DHS	
			Direct]	
Croatia	117	2021.5		
	3	2010.8	2011 Census Direct (Single year) (2011) [Others Direct]	
	114	2021.5	Vital Registration [VR]	
Cuba	96	2020.5		
	96	2020.5	Vital Registration [VR]	
Cyprus	92	2020.5		
- 1	56	2020.5	Adjusted Vital Registration [VR]	
	36	2000.5	Vital Registration [VR]	
Czech Republic	156	2021.5		
	156	2021.5	Vital Registration [VR]	
Denmark	156	2021.5		
Deminark	156	2021.5	Vital Registration [VR]	
Diihouti	150	2021.3	vitai registration [v r.]	
Djibouti	27	2015		
Dominica	37	2015	A 1' (137' 1 D ' ()' [37D]	
	17	1999.5	Adjusted Vital Registration [VR]	

Table 26 – continued from previous page

	Table 26 – continued from previous page			
	#	Most		
Country	obs.	recent	Data series name [source type]	
	ous.	obs. year		
	20	2015	Vital Registration [VR]	
Dominican Repub-	48	2010.4		
lic				
	18	2001.5	2002 Demographic and Health Survey Direct (2002) [DHS Direct]	
	9	2001.2	2003 World Health Survey Direct (Various periods) (2003) [Others Di-	
		2001.2	rect]	
	18	2006.2	2007 Demographic and Health Survey Direct (2007) [DHS Direct]	
	3	2010.4	2010 Census Direct (Single year) (2010) [Others Direct]	
Ecuador	96	2020.5	2010 Census Direct (Single Year) (2010) [Cuners Direct]	
Leuadoi	3	1997.2	2003 World Health Survey Direct (Various periods) (2003) [Others Di-	
		1997.2	rect]	
	93	2020.5	Vital Registration [VR]	
Formt	93	2020.5	vital Registration [VK]	
Egypt		2019.5	A directed Vital Decistration [VD]	
	42		Adjusted Vital Registration [VR]	
	51	2005.5	Vital Registration [VR]	
El Salvador	87	2019.5	4000 0	
	3	1992.2	1992 Census Direct (Single year) (1992) [Others Direct]	
	84	2019.5	Vital Registration [VR]	
Equatorial Guinea				
Eritrea				
Estonia	156	2020.5		
	3	2011.6	2011–2012 Census Direct (Single year) (2011–2012) [Others Direct]	
	153	2020.5	Vital Registration [VR]	
Ethiopia	84	2015		
	3	1983.9	1984 Census Direct (Single year) (1984) [Others Direct]	
	15	1997.1	2000 Demographic and Health Survey Direct (2000) [DHS Direct]	
	12	2001.7	2003 World Health Survey Direct (Various periods) (2003) [Others Di-	
			rect]	
	18	2004.2	2005 Demographic and Health Survey Direct (2005) [DHS Direct]	
	3	2006.9	2007 Census Direct (Single year) (2007) [Others Direct]	
	15	2009.9	2011 Demographic and Health Survey Direct (2011) [DHS Direct]	
	18	2015	2016 Demographic and Health Survey Direct (2016) [DHS Direct]	
Federated States of				
Micronesia				
Fiji	42	2019.5		
J	42	2019.5	Adjusted Vital Registration [VR]	
Finland	156	2021.5		
	156	2021.5	Vital Registration [VR]	
France	153	2020.5		
	153	2020.5	Vital Registration [VR]	
Gabon	24	2010.5		
C400H	12	1999	2000 Demographic and Health Survey Direct (2000) [DHS Direct]	
	12	2010.5	2012 Demographic and Health Survey Direct (2012) [DHS Direct]	
The Gambia	33	2010.3	2012 Demographic and Health Survey Direct (2012) [DHS Direct]	
THE Gaintila	3	2018.8	2013 Census Direct (Single year) (2013) [Others Direct]	
	12	2012.8	2013 Census Direct (Single year) (2013) [Others Direct] 2013 Demographic and Health Survey Direct (2013) [DHS Direct]	
	12	2011.0	2013 Demographic and Health Survey Direct (2013) [DITS Direct]	

Table 26 – continued from previous page

Table 26 – continued from previous page			
	#	Most	
Country	obs.	recent	Data series name [source type]
	ODS.	obs. year	
	18	2018.8	2020 Demographic and Health Survey Direct (2020) [DHS Direct]
Georgia	90	2021.5	
	33	2001.5	Adjusted Vital Registration [VR]
	57	2021.5	Vital Registration [VR]
Germany	153	2021.5	
	153	2021.5	Vital Registration [VR]
Ghana	30	2014.2	
	12	2001.7	2003 World Health Survey Direct (Various periods) (2003) [Others Di-
			rect]
	12	2005.5	2007 Demographic and Health Survey Direct (2007) [DHS Direct]
	3	2010.3	2010 Census Direct (Single year) (2010) [Others Direct]
	3	2014.2	2017 Demographic and Health Survey Others (2017) [Others Direct]
Greece	153	2020.5	
	153	2020.5	Vital Registration [VR]
Grenada	76	2018.5	
	32	2000.5	Adjusted Vital Registration [VR]
	44	2018.5	Vital Registration [VR]
Guatemala	117	2017.5	
	12	1993.9	1995 Demographic and Health Survey Direct (1995) [DHS Direct]
	18	2013.7	2014–2015 Demographic and Health Survey Direct (2014–2015) [DHS
			Direct]
	87	2017.5	Vital Registration [VR]
Guinea	60	2013.8	
	3	1996.4	1996 Census Direct (Single year) (1996) [Others Direct]
	18	1998.3	1999 Demographic and Health Survey Direct (1999) [DHS Direct]
	18	2004.1	2005 Demographic and Health Survey Direct (2005) [DHS Direct]
	18	2011.4	2012 Demographic and Health Survey Direct (2012) [DHS Direct]
	3	2013.8	2014 Census Direct (Single year) (2014) [Others Direct]
Guinea-Bissau	12	2012.2	
	3	2008.8	2009 Census Direct (Single year) (2009) [Others Direct]
	9	2012.2	2014 Multiple Indicator Cluster Survey 2014 [Others Direct]
Guyana	78	2014.5	
•	78	2014.5	Vital Registration [VR]
Haiti	48	2015.8	
	12	1998.6	2000 Demographic and Health Survey Direct (2000) [DHS Direct]
	18	2004.7	2005–2006 Demographic and Health Survey Direct (2005–2006) [DHS
			Direct]
	18	2015.8	2017 Demographic and Health Survey Direct (2017) [DHS Direct]
Honduras	3	2001.1	
	3	2001.1	2001 Census Direct (Single year) (2001) [Others Direct]
Hungary	153	2020.5	
	153	2020.5	Vital Registration [VR]
Iceland	132	2021	
	132	2021	Vital Registration [VR]
India	141	2019.5	
	3	1970.5	1971 Census Direct (Single year) (1971) [Others Direct]
	1	1 -2 . 0.0	[

Table 26 – continued from previous page

	Table 26 – continued from previous page			
	#	Most		
Country	obs.	recent	Data series name [source type]	
	ons.	obs. year		
	3	1980.5	1981 Census Direct (Single year) (1981) [Others Direct]	
	3	1991.9	1992–1993 National Family Health Survey Direct (Single year) (1992–	
			1993) [Others Direct]	
	3	1998.2	1998–1999 National Family Health Survey Direct (Single year) (1998–	
			1999) [Others Direct]	
	12	2001.7	2003 World Health Survey Direct (Various periods) (2003) [Others Di-	
		2001.7	rect]	
	117	2019.5	Sample Registration System [VR]	
Indonesia	63	2010.3	Sumple Registration System [772]	
muonesia	6	1964.5	1964–1965 National Socio–economic Survey Direct (Single year)	
		1704.3	(1964–1965) [Others Direct]	
	18	1993.5	1994 Demographic and Health Survey Direct (1994) [DHS Direct]	
	12	2001.2	2002–2003 Demographic and Health Survey Direct (2002–2003) [DHS	
	12	2001.2	Direct]	
	1.5	2006.4	2007 Demographic and Health Survey Direct (2007) [DHS Direct]	
	15		, , , , , , , , , , , , , , , , , , , ,	
	3	2009.9	2010 Census Direct (Single year) (2010) [Others Direct]	
7 (7 1 1 5	9	2010.3	2012 Demographic and Health Survey Direct (2012) [DHS Direct]	
Iran (Islamic Re-	42	2017.5		
public of)				
	3	1975.5	1976 Census Direct (Single year) (1976) [Others Direct]	
	3	1999.8	2000 Demographic and Health Survey Direct (Single year) (2000) [Oth-	
			ers Direct]	
	33	2017.5	Adjusted Vital Registration [VR]	
	3	2004.5	Based on 2004 DH – adjusted for incompleteness Vital Registration	
			(2017) [Others Direct]	
Iraq	3	2004.6		
	3	2004.6	2006 Iraq Family Health Survey Direct (Various periods) (2006) [Others	
			Direct]	
Ireland	156	2020.5		
	3	2010.8	2011 Census Direct (Single year) (2011) [Others Direct]	
	153	2020.5	Vital Registration [VR]	
Israel	141	2021.5		
	141	2021.5	Vital Registration [VR]	
Italy	153	2020.5		
	153	2020.5	Vital Registration [VR]	
Jamaica	3	2010.2		
	3	2010.2	2011 Census Direct (Single year) (2011) [Others Direct]	
Japan	153	2021.5		
1	153	2021.5	Vital Registration [VR]	
Jordan	9	2014.9		
	6	1995.4	1997 Demographic and Health Survey Direct (1997) [DHS Direct]	
	3	2014.9	2015 Census Direct (Single year) (2015) [Others Direct]	
Kazakhstan	102	2021.5		
TAGARIBUII	3	1997.2	2003 World Health Survey Direct (Various periods) (2003) [Others Di-	
		1//1.4	rect]	
l ,			Continued on next page	

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Table 26 – continued from previous page			
~	#	Most	
Country	obs.	recent	Data series name [source type]
	ODS.	obs. year	
	99	2021.5	Vital Registration [VR]
Kenya	84	2013.3	
	18	1997.1	1998 Demographic and Health Survey Direct (1998) [DHS Direct]
	18	2002.2	2003 Demographic and Health Survey Direct (2003) [DHS Direct]
	9	2001.2	2003 World Health Survey Direct (Various periods) (2003) [Others Di-
			rect]
	18	2007.8	2008–2009 Demographic and Health Survey Direct (2008–2009) [DHS
			Direct]
	3	2009.2	2009 Census Direct (Single year) (2009) [Others Direct]
	18	2013.3	2014 Demographic and Health Survey Direct (2014) [DHS Direct]
Kiribati			
Democratic Peo-	3	2008.3	
ple's Republic of		2000.6	
Korea			
110101	3	2008.3	2008 Census Direct (Single year) (2008) [Others Direct]
Republic of Korea	99	2021.5	2000 consult 2 need (single your) (2000) [consult 2 need]
republic of Rolea	99	2021.5	Vital Registration [VR]
Kosovo	77	2021.5	vital registration [vit]
Kuwait	87	2019.5	
Kuwan	87	2019.5	Vital Registration [VR]
Kyrgyzstan	99	2021.5	vital Registration [vR]
Kyigyzstaii	99	2021.5	Vital Registration [VR]
Lao People's	15	2014.8	Vital Registration [VK]
Lao People's Democratic Re-	13	2014.6	
public Re-			
public	9	2001.2	2003 World Health Survey Direct (Various periods) (2003) [Others Di-
		2001.2	rect]
	3	2004.8	2005 Census Direct (Single year) (2005) [Others Direct]
	3	2004.8	2015 Census Direct (Single year) (2015) [Others Direct]
Latvia	156	2014.8	2013 Census Direct (Single year) (2013) [Others Direct]
Latvia	156	2021.5	Vital Registration [VR]
Lahanan	130	2021.3	vital Registration [VK]
Lebanon	62	2015 5	
Lesotho	63	2015.5 1995.8	1996 Census Direct (Single year) (1996) [Others Direct]
	3		2001 Demographic Survey Direct (Single year) (2001) [Others Direct]
	3	2000.9 2003.7	2001 Demographic Survey Direct (Single year) (2001) [Others Direct] 2004 Demographic and Health Survey Direct (2004) [DHS Direct]
	18	2003.7	
	18		2009 Demographic and Health Survey Direct (2009) [DHS Direct] 2014 Demographic and Health Survey Direct (2014) [DHS Direct]
	18	2013.7	2014 Demographic and Health Survey Direct (2014) [DHS Direct] 2016 Census Direct (Single year) (2016) [Others Direct]
Liboria	3 45	2015.5	2010 Census Direct (Single year) (2010) [Others Direct]
Liberia	45	2018.2 1969.5	1060 1070 Depulation Growth Survey Direct (Single year) (1060
	3	1909.3	1969–1970 Population Growth Survey Direct (Single year) (1969–
	1.5	2005.0	1970) [Others Direct]
	15	2005.9	2006–2007 Demographic and Health Survey Direct (2006–2007) [DHS
	10	2012.2	Direct] 2012 Demographic and Health Survey Direct (2012) [DHS Direct]
	18	2012.2	2013 Demographic and Health Survey Direct (2013) [DHS Direct] Continued on next page

Table 26 – continued from previous page

Table 26 – continued from previous page			
	#	Most	
Country	obs.	recent	Data series name [source type]
	UDS.	obs. year	
	9	2018.2	2020 Demographic and Health Survey Direct (2020) [DHS Direct]
Libya			
Lithuania	162	2021.5	
	3	2010.8	2011 Census Direct (Single year) (2011) [Others Direct]
	3	2017.5	2018 Statistical Survey Direct (Single year) (2018) [Others Direct]
	156	2021.5	Vital Registration [VR]
Luxembourg	138	2020.5	
	138	2020.5	Vital Registration [VR]
Macedonia	93	2020.5	- Tana Tagasamana (Tag
Maccaoma	93	2020.5	Adjusted Vital Registration [VR]
Madagascar	51	2007.8	rujusteu vitai registiation [vit]
Wiadagascai	3	1993.1	1993 Census Direct (Single year) (1993) [Others Direct]
	18	1995.1	1993 Census Direct (Single year) (1993) [Others Direct] 1997 Demographic and Health Survey Direct (1997) [DHS Direct]
	12	2002.3	2003–2004 Demographic and Health Survey Direct (2003–2004) [DHS
	12	2002.3	Direct]
	10	2007.9	
	18	2007.8	2008–2009 Demographic and Health Survey Direct (2008–2009) [DHS
M 1 '	100	2010.2	Direct]
Malawi	123	2018.2	1070 1070 P 1 (C
	3	1971.1	1970–1972 Population Change Survey Direct (2 year) (1970–1972)
		1001.0	[Others Direct]
	12	1991.2	1992 Demographic and Health Survey Direct (1992) [DHS Direct]
	3	1998.2	1998 Census Direct (Single year) (1998) [Others Direct]
	18	1999.5	2000 Demographic and Health Survey Direct (2000) [DHS Direct]
	18	2002.2	2003 World Health Survey Direct (Various periods) (2003) [Others Direct]
	18	2003.8	2004 Demographic and Health Survey Direct (2004) [DHS Direct]
	3	2008	2008 Census Direct (Single year) (2008) [Others Direct]
	18	2009.4	2010 Demographic and Health Survey Direct (2010) [DHS Direct]
	9	2011.9	2014 Multiple Indicator Cluster Survey 2014 [Others Direct]
	18	2014.7	2015–2016 Demographic and Health Survey Direct (2015–2016) [DHS
		201	Direct]
	3	2018.2	2018 Census Direct (Single year) (2018) [Others Direct]
Malaysia	90	2021.5	
T. Zuzu j Ozu	90	2021.5	Vital Registration [VR]
Maldives	92	2020.5	
1,14141105	18	1994.5	Adjusted Vital Registration [VR]
	74	2020.5	Vital Registration [VR]
Mali	84	2020.5	Tim Registration [TR]
141411	3	1986.8	1987 Census Direct (Single year) (1987) [Others Direct]
	18	2000	2001 Demographic and Health Survey Direct (2001) [DHS Direct]
	9	2000	2003 World Health Survey Direct (Various periods) (2003) [Others Di-
	"	2001.2	• • • • • • • • • • • • • • • • • • • •
	18	2005.3	rect] 2006 Demographic and Health Survey Direct (2006) [DHS Direct]
	18	2011.8	2012–2013 Demographic and Health Survey Direct (2012–2013) [DHS
			Direct]

Table 26 – continued from previous page

Table 26 – continued from previous page				
	#	Most		
Country	obs.	recent	Data series name [source type]	
		obs. year		
	18	2017.6	2018 Demographic and Health Survey Direct (2018) [DHS Direct]	
Malta	87	2021.5		
	87	2021.5	Vital Registration [VR]	
Marshall Islands				
Mauritania	21	2018.4		
	3	1977	1976–1977 Census Direct (Single year) (1976–1977) [Others Direct]	
	3	1987.8	1988 Census Direct (Single year) (1988) [Others Direct]	
	3	2012.8	2013 Census Direct (Single year) (2013) [Others Direct]	
	12	2018.4	2021 Demographic and Health Survey Direct (2021) [DHS Direct]	
Mauritius	96	2020.5		
	96	2020.5	Vital Registration [VR]	
Mexico	96	2020.5		
	96	2020.5	Vital Registration [VR]	
Republic of	93	2020.5		
Moldova				
	93	2020.5	Vital Registration [VR]	
Monaco				
Mongolia	90	2019.5		
C	3	2009.5	2010 Census Direct (Single year) (2010) [Others Direct]	
	27	1999.5	Adjusted Vital Registration [VR]	
	60	2019.5	Vital Registration [VR]	
Montenegro	92	2021.5		
	42	2002.5	Adjusted Vital Registration [VR]	
	50	2021.5	Vital Registration [VR]	
Montserrat				
Morocco	41	2010		
	17	1991	1992 Demographic and Health Survey Direct (1992) [DHS Direct]	
	18	2002.7	2003–2004 Demographic and Health Survey Direct (2003–2004) [DHS	
			Direct]	
	3	1997.2	2003 World Health Survey Direct (Various periods) (2003) [Others Di-	
			rect]	
	3	2010	2009–2010 National Demographic Survey with repeated passages Di-	
			rect (Single year) (2009–2010) [Others Direct]	
Mozambique	45	2010.4	76 77 77	
1	9	1995.2	1997 Demographic and Health Survey Direct (1997) [DHS Direct]	
	18	2002.6	2003 Demographic and Health Survey Direct (2003) [DHS Direct]	
	18	2010.4	2011 Demographic and Health Survey Direct (2011) [DHS Direct]	
Myanmar	12	2014.4	5 i 5 j 3 i (1 / [1 - 1 - 1 - 1]	
,	3	2013.8	2014 Census Direct (Single year) (2014) [Others Direct]	
	9	2014.4	2015–2016 Demographic and Health Survey Direct (2015–2016) [DHS	
			Direct]	
Namibia	84	2012.3		
,	18	1991.5	1992 Demographic and Health Survey Direct (1992) [DHS Direct]	
	18	1999.7	2000 Demographic and Health Survey Direct (2000) [DHS Direct]	
	3	2001	2001 Census Direct (Single year) (2001) [Others Direct]	
	-		Continued on next page	

Table 26 – continued from previous page

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	#	Most	
Country		recent	Data series name [source type]
•	obs.	obs. year	
	6	2000.2	2003 World Health Survey Direct (Various periods) (2003) [Others Di-
		2000.2	rect]
	18	2005.8	
	18	2005.8	2006–2007 Demographic and Health Survey Direct (2006–2007) [DHS
	_		Direct]
	3	2011.2	2011 Census Direct (Single year) (2011) [Others Direct]
	18	2012.3	2013 Demographic and Health Survey Direct (2013) [DHS Direct]
Nauru			
Nepal	63	2014.9	
_	18	1995	1996 Demographic and Health Survey Direct (1996) [DHS Direct]
	3	2001	2001 Census Direct (Single year) (2001) [Others Direct]
	15	2000.2	2003 World Health Survey Direct (Various periods) (2003) [Others Di-
	13	2000.2	rect]
	12	2004.6	
	12	2004.6	2006 Demographic and Health Survey Direct (2006) [DHS Direct]
	3	2010.5	2011 Census Direct (Single year) (2011) [Others Direct]
	12	2014.9	2016 Demographic and Health Survey Direct (2016) [DHS Direct]
Netherlands	156	2021.5	
	156	2021.5	Vital Registration [VR]
New Zealand	159	2021.5	
	3	2005.7	2006 Census Direct (Single year) (2006) [Others Direct]
	156	2021.5	Vital Registration [VR]
Niconomo	150	2021.3	vital Registration [VR]
Nicaragua		2011.1	
Niger	57	2011.1	
	18	1991.2	1992 Demographic and Health Survey Direct (1992) [DHS Direct]
	3	2000.9	2001 Census Direct (Single year) (2001) [Others Direct]
	18	2005	2006 Demographic and Health Survey Direct (2006) [DHS Direct]
	18	2011.1	2012 Demographic and Health Survey Direct (2012) [DHS Direct]
Nigeria	63	2017.6	
C	3	1965.6	1965–1966 Rural Demographic Sample Survey Direct (Single year)
		1705.0	(1965–1966) [Others Direct]
	18	2007.4	2008 Demographic and Health Survey Direct (2008) [DHS Direct]
	3	2010.5	2010 GHS Panel Survey Direct (Single year) (2010) [Others Direct]
	3	2012.5	2012–2013 GHS Panel Survey Direct (Single year) (2012–2013) [Oth-
			ers Direct]
	18	2012.1	2013 Demographic and Health Survey Direct (2013) [DHS Direct]
	18	2017.6	2018 Demographic and Health Survey Direct (2018) [DHS Direct]
Niue			
Norway	156	2021.5	
J	156	2021.5	Vital Registration [VR]
Oman	150	2021.3	, and respondition [, rej
	22	2007.5	
Pakistan	33	2007.5	10/2 10/5 P
	12	1965.5	1962–1965 Population Growth Estimation Experiment Direct (Single
			year) (1962–1965) [Others Direct]
	3	1970	1971 Population Growth Survey I Direct (Single year) (1971) [Others
			Direct]
	3	2006.4	2006–2007 Demographic and Health Survey Direct (Various periods)
			(2006–2007) [Others Direct]
	1 1		Continued on part page

Table 26 – continued from previous page

Table 26 – continued from previous page			
	#	Most	
Country	obs.	recent	Data series name [source type]
	UDS.	obs. year	
	15	2007.5	Pakistan Demographic Survey [VR]
Palau	44	2018.5	
	44	2018.5	Vital Registration [VR]
Panama	96	2021.5	
	96	2021.5	Adjusted Vital Registration [VR]
Papua New Guinea	18	2015.8	
•	18	2015.8	2018 Demographic and Health Survey Direct (2018) [DHS Direct]
Paraguay	15	2002.2	
	3	2002.2	2002 Census Direct (Single year) (2002) [Others Direct]
	12	2001.7	2003 World Health Survey Direct (Various periods) (2003) [Others Di-
			rect]
Peru	102	2009.7	
	18	1990.7	1991–1992 Demographic and Health Survey Direct (1991–1992) [DHS
			Direct]
	18	1995.6	1996 Demographic and Health Survey Direct (1996) [DHS Direct]
	18	1999.5	2000 Demographic and Health Survey Direct (2000) [DHS Direct]
	18	2002.9	2006 Demographic and Health Survey Direct (2006) [DHS Direct]
	18	2006	2008 Demographic and Health Survey Direct (2008) [DHS Direct]
	12	2009.7	2011 Demographic and Health Survey Direct (2011) [DHS Direct]
Philippines	117	2019.5	, in the second
**	18	1992.2	1993 Demographic and Health Survey Direct (1993) [DHS Direct]
	18	1997.1	1998 Demographic and Health Survey Direct (1998) [DHS Direct]
	60	2019.5	Adjusted Vital Registration [VR]
	21	1999.5	Vital Registration [VR]
Poland	156	2021.5	
	156	2021.5	Vital Registration [VR]
Portugal	159	2021.5	
	3	2010.8	2011 Census Direct (Single year) (2011) [Others Direct]
	156	2021.5	Vital Registration [VR]
Qatar	87	2020.5	
	87	2020.5	Vital Registration [VR]
Romania	99	2021.5	
	99	2021.5	Vital Registration [VR]
Russian Federation	150	2020.5	
	150	2020.5	Vital Registration [VR]
Rwanda	90	2018.8	0 1
	15	1999.4	2000 Demographic and Health Survey Direct (2000) [DHS Direct]
	3	2002.1	2002 Census Direct (Single year) (2002) [Others Direct]
	15	2004.1	2005 Demographic and Health Survey Direct (2005) [DHS Direct]
	18	2009.7	2010 Demographic and Health Survey Direct (2010) [DHS Direct]
	3	2012.1	2012 Census Direct (Single year) (2012) [Others Direct]
	18	2013.8	2014–2015 Demographic and Health Survey Direct (2014–2015) [DHS
			Direct]
	18	2018.8	2020 Demographic and Health Survey Direct (2020) [DHS Direct]
Saint Kitts and	50	2015.5	
Nevis			
			Continued on next need

Table 26 – continued from previous page

Table 26 – continued from previous page				
	#	Most		
Country	obs.	recent	Data series name [source type]	
	ons.	obs. year		
	50	2015.5	Vital Registration [VR]	
Saint Lucia	84	2018.5	g z z	
	84	2018.5	Vital Registration [VR]	
Samoa	12	2016.4	The region when [Tri]	
Samoa	3	1999	1999 Demographic and Health Survey Direct (Single year) (1999) [Oth-	
		1777	ers Direct]	
	3	2006.4	2006 Census Direct (Single year) (1976) [Others Direct]	
	3	2000.4	2011 Population and Housing Census Direct (Single year) (2011) [Oth-	
)	2011.4		
	2	2016.4	ers Direct]	
	3	2016.4	2016 Population and Housing Census Direct (Single year) (2016) [Oth-	
0 16			ers Direct]	
San Marino	1.0	2011.0		
Sao Tome and	12	2011.9		
Principe	-			
	6	2005.7	2008–2009 Demographic and Health Survey Direct (2008–2009) [DHS	
			Direct]	
	3	2011.9	2012 Census Direct (Single year) (2012) [Others Direct]	
	3	2008.3	2014 Multiple Indicator Cluster Survey 2014 [Others Direct]	
Saudi Arabia	14	2017.5		
	3	1998.6	1999 Demographic Survey Direct (Single year) (1999) [Others Direct]	
	3	2004.2	2004 Census Direct (Single year) (2004) [Others Direct]	
	3	2009.8	2010 Census Direct (Single year) (2010) [Others Direct]	
	3	2017.5	2018 Household Health Survey Direct (Single year) (2018) [Others Di-	
			rect]	
Senegal	78	2016.2		
	18	1991.8	1992–1993 Demographic and Health Survey Direct (1992–1993) [DHS	
			Direct]	
	3	2002.5	2002 Census Direct (Single year) (2002) [Others Direct]	
	18	2004.1	2005 Demographic and Health Survey Direct (2005) [DHS Direct]	
	18	2009.7	2010–2011 Demographic and Health Survey Direct (2010–2011) [DHS	
			Direct]	
	3	2013.4	2013 Census Direct (Single year) (2013) [Others Direct]	
	18	2016.2	2017 Demographic and Health Survey Direct (2017) [DHS Direct]	
Serbia	99	2021.5		
	60	2021.5	Adjusted Vital Registration [VR]	
	39	2001.5	Vital Registration [VR]	
Seychelles	66	2016.5		
,	3	1959.8	1960 Census Direct (Single year) (1960) [Others Direct]	
	63	2016.5	Vital Registration [VR]	
Sierra Leone	57	2018.3		
	3	2004.4	2004 Census Direct (Single year) (2004) [Others Direct]	
	18	2007.2	2008 Demographic and Health Survey Direct (2008) [DHS Direct]	
	18	2012.4	2013 Demographic and Health Survey Direct (2013) [DHS Direct]	
	18	2012.4	2019 Demographic and Health Survey Direct (2019) [DHS Direct]	
Singapore	96	2020.5	2017 Demographic and Heatth Survey Direct (2017) [Diris Direct]	
Singapore	90	2020.3	Continued on next nega	

Table 26 – continued from previous page

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	#	Most		
Country	obs.	recent	Data series name [source type]	
	UDS.	obs. year		
	96	2020.5	Vital Registration [VR]	
Slovakia	156	2021.5		
	156	2021.5	Vital Registration [VR]	
Slovenia	120	2021.5		
	120	2021.5	Vital Registration [VR]	
Solomon Islands	3	2009.4		
Solomon Islands	3	2009.4	2009 Census Direct (Single year) (2009) [Others Direct]	
Somalia		2005.1	2007 Census Direct (Single Jean) (2007) [Canolis Direct]	
South Africa	99	2020.5		
South Africa	3	1997	1997 Household Survey Direct (Single year) (1997) [Others Direct]	
	18	1997	1997 Household Survey Direct (Single year) (1997) [Others Direct] 1998 Demographic and Health Survey Direct (1998) [DHS Direct]	
	3	1997.2	2003 World Health Survey Direct (Various periods) (2003) [Others Di-	
		2011.2	rect]	
	3	2011.3	2011 Census Direct (Single year) (2011) [Others Direct]	
	9	2014.4	2016 Demographic and Health Survey Direct (2016) [DHS Direct]	
	63	2020.5	RMS [VR]	
South Sudan				
Spain	153	2020.5		
	153	2020.5	Vital Registration [VR]	
Sri Lanka	75	2014.5		
	3	1997.2	2003 World Health Survey Direct (Various periods) (2003) [Others Di-	
			rect]	
	72	2014.5	Vital Registration [VR]	
Saint Vincent and	84	2017.5		
the Grenadines				
	84	2017.5	Vital Registration [VR]	
State of Palestine			,g	
Sudan	3	1992.8		
Sudan	3	1992.8	1993 Census Direct (Single year) (1993) [Others Direct]	
Suriname	93	2019.5	1993 Census Direct (Single year) (1993) [Others Direct]	
Sumanic	93	2019.5	Adjusted Vital Registration [VR]	
Ca-:1a-a-d			Adjusted vital Registration [VK]	
Swaziland	27	2006.8	1007 C D' (C'	
	3	1996.9	1997 Census Direct (Single year) (1997) [Others Direct]	
	3	1997.2	2003 World Health Survey Direct (Various periods) (2003) [Others Di-	
	10	2007.7	rect]	
	18	2005.5	2006–2007 Demographic and Health Survey Direct (2006–2007) [DHS	
			Direct]	
	3	2006.8	2007 Census Direct (Single year) (2007) [Others Direct]	
Sweden	156	2021.5		
	156	2021.5	Vital Registration [VR]	
Switzerland	156	2021.5		
	156	2021.5	Vital Registration [VR]	
Syria	39	2010.5		
	39	2010.5	Vital Registration [VR]	
Tajikistan	63	2021.5		
	33	1999.5	Adjusted Vital Registration [VR]	
	1	· · ·		

Table 26 – continued from previous page

	Table 26 – continued from previous page				
G 4	#	Most			
Country	obs.	recent	Data series name [source type]		
		obs. year			
	30	2021.5	Vital Registration [VR]		
Tanzania	93	2014.6			
	3	1967.2	1967 Census Direct (Single year) (1967) [Others Direct]		
	3	1973.3	1973 National Demographic Survey Direct (Single year) (1973) [Others		
			Direct]		
	3	1988.2	1988 Census Direct (Single year) (1988) [Others Direct]		
	18	1995.5	1996 Demographic and Health Survey Direct (1996) [DHS Direct]		
	3	2002.2	2002 Census Direct (Single year) (2002) [Others Direct]		
	18	2003.8	2004–2005 Demographic and Health Survey Direct (2004–2005) [DHS		
			Direct]		
	18	2008.9	2010 Demographic and Health Survey Direct (2010) [DHS Direct]		
	3	2010.4	2010–2011 National Panel Survey Direct (Single year) (2010–2011)		
			[Others Direct]		
	6	2012.2	2012–2013 National Panel Survey Direct (Single year) (2012–2013)		
			[Others Direct]		
	18	2014.6	2015–2016 Demographic and Health Survey Direct (2015–2016) [DHS		
			Direct]		
Thailand	93	2019.5	2.1000]		
Timinaira	3	1995.5	1995–1996 Survey of Population Change Direct (Single year) (1995–		
		1,75.5	1996) [Others Direct]		
	90	2019.5	Adjusted Vital Registration [VR]		
Timor Leste	39	2015.2	rajusted vital registration [viv]		
Timor Leste	3	1991.7	1997 Demographic and Health Survey Direct (1997) [DHS Direct]		
	18	2008.6	2009–2010 Demographic and Health Survey Direct (2009–2010) [DHS		
	10	2000.0	Direct]		
	6	2014.5	2015 Census Direct (Single year) (2015) [Others Direct]		
	12	2014.3	2015 Census Direct (Single year) (2015) [Others Direct] 2016 Demographic and Health Survey Direct (2016) [DHS Direct]		
Togo	41	2013.2	2010 Demographic and Health Survey Direct (2010) [DIIS Direct]		
Togo	3	1961.4	1961 Demographic survey Direct (Single year) (1961) [Others Direct]		
	_	1981.4			
	3		1981 Census Direct (Single year) (1981) [Others Direct]		
	18	1997.1	1998 Demographic and Health Survey Direct (1998) [DHS Direct]		
	17	2012.8	2013–2014 Demographic and Health Survey Direct (2013–2014) [DHS		
Tours	70	2010.5	Direct]		
Tonga	72	2018.5	2006 Carrier Direct (Circle		
	3	2006.4	2006 Census Direct (Single year) (2006) [Others Direct]		
	39	2005.5	Adjusted Vital Registration [VR]		
m	30	2018.5	Vital Registration [VR]		
Trinidad and To-	87	2017.5			
bago	6-	2017			
_	87	2017.5	Vital Registration [VR]		
Tunisia	37	2017.5			
	7	2000.2	2003 World Health Survey Direct (Various periods) (2003) [Others Di-		
			rect]		
	2.1	2000.5	Adjusted Vital Registration [VR]		
	21				
Turkey	9	2017.5 2019.5	Vital Registration [VR]		

Table 26 – continued from previous page

Table 26 – continued from previous page				
	#	Most		
Country	obs.	recent	Data series name [source type]	
	UDS.	obs. year		
	3	2002.7	2003 National Verbal Autopsy Survey Direct (Single year) (2003) [Oth-	
			ers Direct]	
	30	2019.5	Vital Registration [VR]	
Turkmenistan	81	2015.5		
	81	2015.5	Adjusted Vital Registration [VR]	
Turks and Caicos	6	2002		
Islands				
	6	2002	Vital Registration [VR]	
Tuvalu	8	2002		
	8	2002	Vital Registration [VR]	
Uganda	90	2015.4		
- 8	18	1994.2	1995 Demographic and Health Survey Direct (1995) [DHS Direct]	
	18	1999.7	2000–2001 Demographic and Health Survey Direct (2000–2001) [DHS	
			Direct]	
	18	2005.3	2006 Demographic and Health Survey Direct (2006) [DHS Direct]	
	18	2010.4	2011 Demographic and Health Survey Direct (2011) [DHS Direct]	
	18	2015.4	2016 Demographic and Health Survey Direct (2016) [DHS Direct]	
Ukraine	153	2021.5	2010 Demographic and Health Survey Direct (2010) [Diris Direct]	
Oktanic	153	2021.5	Vital Registration [VR]	
United Arab Emi-	3	1997.2	Vital Registration [VR]	
	3	1997.2		
rates	2	1007.2	2002 World Hoolds Common Direct (Various againsts) (2002) [Othors Di	
	3	1997.2	2003 World Health Survey Direct (Various periods) (2003) [Others Di-	
II. 4. 1 IZ 1	02	2010.5	rect]	
United Kingdom	93	2019.5	N'and Devintage (ND)	
TT 's 1 Co	93	2019.5	Vital Registration [VR]	
United States of	153	2020.5		
America	150	2020.5	Art ID 1 to 2 DVDI	
	153	2020.5	Vital Registration [VR]	
Uruguay	93	2020.5		
	93	2020.5	Vital Registration [VR]	
Uzbekistan	99	2021.5		
	99	2021.5	Adjusted Vital Registration [VR]	
Vanuatu	3	2009.4	2000 6	
	3	2009.4	2009 Census Direct (Single year) (2009) [Others Direct]	
Venezuela (Boli-	78	2016.5		
varian Republic				
of)				
	45	2016.5	Adjusted Vital Registration [VR]	
	33	2000.5	Vital Registration [VR]	
Vietnam	39	2017.5		
	3	1978.8	1979 Census Direct (Single year) (1979) [Others Direct]	
	3	1988.5	1989 Census Direct (Single year) (1989) [Others Direct]	
	3	1998.7	1999 Census Direct (Single year) (1999) [Others Direct]	
	3	1997.2	2003 World Health Survey Direct (Various periods) (2003) [Others Di-	
			rect]	
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Table 26 – continued from previous page

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	#	Most	
Country	obs.	recent	Data series name [source type]
	0.000	obs. year	
	3	2006.8	2007 Population Change and Family Planning Survey Direct (Single
			year) (2007) [Others Direct]
	3	2007.5	2008 Population Change and Family Planning Survey Direct (Single
			year) (2008) [Others Direct]
	3	2010.8	2011 Population Change and Family Planning Survey Direct (Single
1			year) (2011) [Others Direct]
	3	2011.8	2012 Population Change and Family Planning Survey Direct (Single
		2011.0	year) (2012) [Others Direct]
	3	2012.8	2013 Population Change and Family Planning Survey Direct (Single
		2012.0	year) (2013) [Others Direct]
	3	2013.5	2014 Intercensal Demographic Survey Direct (Single year) (2014) [Oth-
	3	2013.3	
	,	2014.0	ers Direct]
	3	2014.8	2015 Population Change and Family Planning Survey Direct (Single
		2016.5	year) (2015) [Others Direct]
	3	2016.5	2017 Population Change and Family Planning Survey Direct (Single
			year) (2017) [Others Direct]
	3	2017.5	2018 Population Change and Family Planning Survey Direct (Single
			year) (2018) [Others Direct]
Yemen			
Zambia	111	2017.5	
	18	1995.5	1996 Demographic and Health Survey Direct (1996) [DHS Direct]
	18	2000.8	2001–2002 Demographic and Health Survey Direct (2001–2002) [DHS
			Direct]
	18	2002.2	2003 World Health Survey Direct (Various periods) (2003) [Others Di-
			rect]
	18	2006.2	2007 Demographic and Health Survey Direct (2007) [DHS Direct]
	3	2010.3	2010 Census Direct (Single year) (2010) [Others Direct]
	18	2012.6	2013–2014 Demographic and Health Survey Direct (2013–2014) [DHS
		2012.0	Direct]
	18	2017.5	2018 Demographic and Health Survey Direct (2018) [DHS Direct]
Zimbabwe	130	2017.5	2010 Demographic and Health Survey Direct (2010) [D113 Direct]
Zimbabwe		1992.1	1002 Canava Diggat (Single year) (1002) [Others Digget]
	3		1992 Census Direct (Single year) (1992) [Others Direct]
	18	1993.5	1994 Demographic and Health Survey Direct (1994) [DHS Direct]
	3	1997.1	1997 Inter–Censal Demographic Survey Direct (Single year) (1997)
	10	1000 7	[Others Direct]
	18	1998.7	1999 Demographic and Health Survey Direct (1999) [DHS Direct]
	3	2002.1	2002 Census Direct (Single year) (2002) [Others Direct]
	16	2002.2	2003 World Health Survey Direct (Various periods) (2003) [Others Di-
			rect]
	18	2004.6	2005–2006 Demographic and Health Survey Direct (2005–2006) [DHS
			Direct]
	18	2009.7	2010–2011 Demographic and Health Survey Direct (2010–2011) [DHS
			Direct]
	3	2012.1	2012 Census Direct (Single year) (2012) [Others Direct]
	9	2012.2	2014 Multiple Indicator Cluster Survey 2014 [Others Direct]
	18	2014.5	2015 Demographic and Health Survey Direct (2015) [DHS Direct]
	~		Continued on next page

Table 26 – continued from previous page

Country	# obs.	Most recent obs. year	Data series name [source type]
	3	2016.5	2017 Inter–Censal Demographic Survey Direct (Single year) (2017)
			[Others Direct]

Table 27: **Sex ratio data sources for age group 20–24, by country.** For each country, the total number of observations and the most recent reference year are shown after the country name. For each country-specific data series, the number of observations and the most recent reference year within that series is shown before each data series name. The source type that each data series falls in is shown in parentheses after each data series name.

		Most	
Country	#	recent	Data series name [source type]
J	obs.	obs. year	
Afghanistan	39	2014.4	
	3	1973	1972 National Demographic and Family Guidance Survey Direct (Sin-
			gle year) (1972) [Others Direct]
	3	1979	1979 Census Direct (Single year) (1979) [Others Direct]
	3	2008.1	2010 Afghanistan Mortality Survey (AMS) Excluding South Zone
			(Household data) Direct (Single year) (2010) [Others Direct]
	12	2008.7	2010 Demographic and Health Survey Direct (2010) [DHS Direct]
	18	2014.4	2015 Demographic and Health Survey Direct (2015) [DHS Direct]
Albania	69	2021.5	
	3	2011.1	2011 Census Direct (Single year) (2011) [Others Direct]
	66	2021.5	Vital Registration [VR]
Algeria	69	2020.5	
	3	1970.5	1970 Demographic Survey Direct (Single year) (1970) [Others Direct]
	66	2020.5	Vital Registration [VR]
Andorra	10	2019.5	
	10	2019.5	Vital Registration [VR]
Angola	21	2014.8	
	3	2013.9	2014 Census Direct (Single year) (2014) [Others Direct]
	18	2014.8	2016 Demographic and Health Survey Direct (2016) [DHS Direct]
Anguilla			
Antigua and Bar-	40	2017.5	
buda			
	40	2017.5	Vital Registration [VR]
Argentina	96	2020.5	
	96	2020.5	Vital Registration [VR]
Armenia	95	2021.5	
	95	2021.5	Vital Registration [VR]
Australia	153	2020.5	
	153	2020.5	Vital Registration [VR]
Austria	153	2020.5	
	153	2020.5	Vital Registration [VR]
Azerbaijan	90	2021.5	
	90	2021.5	Adjusted Vital Registration [VR]
Bahamas	93	2020.5	
	93	2020.5	Adjusted Vital Registration [VR]
Bahrain	92	2019.5	
	92	2019.5	Vital Registration [VR]
Bangladesh	123	2020.5	
	3	1964	1962–1965 Population Growth Estimation Experiment Direct (Single
			year) (1962–1965) [Others Direct]
	3	1974.5	1974 Retrospective Fertility and Mortality Survey (UN SA) Direct (Sin-
			gle year) (1974) [Others Direct]
			Continued on next nego

Table 27 – continued from previous page

	Table 27 – continued from previous page					
		#	Most			
Country		obs.	recent	Data series name [source type]		
			obs. year			
		3	1999.8	1999–2000 Demographic and Health Survey Direct (Single year)		
				(1999–2000) [Others Direct]		
		12	2001.7	2003 World Health Survey Direct (Various periods) (2003) [Others Di-		
				rect]		
		3	2010	2010 Maternal Health Services and Maternal Mortality Survey Direct (5		
				year) (2010) [Others Direct]		
		3	2010.7	2011 Census Direct (Single year) (2011) [Others Direct]		
		3	2016	2016 Maternal Health Services and Maternal Mortality Survey Direct		
				(Single year) (2016) [Others Direct]		
		3	2016.5	Report on Sample Vital Registration System 2016 Vital Registration		
			2010.0	(2016) [Others Direct]		
		3	2017.5	Report on Sample Vital Registration System 2016 Vital Registration		
			2017.10	(2017) [Others Direct]		
		3	2018.5	Report on Sample Vital Registration System 2016 Vital Registration		
			2010.5	(2018) [Others Direct]		
		3	2019.5	Report on Sample Vital Registration System 2016 Vital Registration		
			2017.5	(2019) [Others Direct]		
		3	2020.5	Report on Sample Vital Registration System 2016 Vital Registration		
			2020.3	(2020) [Others Direct]		
		78	2015.5	SVital Registration [VR]		
Barbados		75	2013.5	S vital Registration [v R]		
Darbados		75	2013.5	Vital Registration [VR]		
Belarus		150	2019.5	vital registration [vr]		
Detaius		150	2019.5	Vital Registration [VR]		
Dalaina				vital Registration [VK]		
Belgium		153	2020.5	Vital Danistration [VD]		
D 1		153	2020.5	Vital Registration [VR]		
Belize		81	2018.5	A 1' (137' 1D ' (/' 137D)		
ъ :		81	2018.5	Adjusted Vital Registration [VR]		
Benin		63	2016.8	4006		
		18	1995.4	1996 Demographic and Health Survey Direct (1996) [DHS Direct]		
		18	2005.6	2006 Demographic and Health Survey Direct (2006) [DHS Direct]		
		9	2012.5	2014 Multiple Indicator Cluster Survey 2014 [Others Direct]		
DI		18	2016.8	2018 Demographic and Health Survey Direct (2018) [DHS Direct]		
Bhutan		9	2012.5			
		3	1993.1	1994 National Health Survey Direct (2 year) (1994) [Others Direct]		
		3	2004.9	2005 Census Direct (Single year) (2005) [Others Direct]		
		3	2012.5	2012 National Health Survey Direct (Single year) (2012) [Others Direct]		
Bolivia	(Pluri-	60	2007.1			
national	State					
of)						
		3	1979.8	1980 National Demographic Survey Direct (Single year) (1980) [Others		
				Direct]		
		3	1991.9	1992 Census Direct (Single year) (1992) [Others Direct]		
		18	1992.8	1993–1994 Demographic and Health Survey Direct (1993–1994) [DHS		
				Direct]		
		18	2002.6	2003 Demographic and Health Survey Direct (2003) [DHS Direct]		
•	'	. '		Continued on next nego		

Table 27 – continued from previous page

	Table 27 – continued from previous page			
	#	Most		
Country	obs.	recent	Data series name [source type]	
	uns.	obs. year		
	18	2007.1	2008 Demographic and Health Survey Direct (2008) [DHS Direct]	
Bosnia and Herze-	63	2016.5		
govina				
	63	2016.5	Vital Registration [VR]	
Botswana	21	2016.5		
	3	1981.1	1981 Census Direct (Single year) (1981) [Others Direct]	
	3	1991.1	1991 Census Direct (Single year) (1991) [Others Direct]	
	3	1997.9	1998 Demographic Survey Direct (Single year) (1998) [Others Direct]	
	3	2001.1	2001 Census Direct (Single year) (2001) [Others Direct]	
	3	2006.2	2006 Demographic Survey Direct (Single year) (2006) [Others Direct]	
	3	2011.1	2011 Census Direct (Single year) (2011) [Others Direct]	
	3	2016.5	2017 BWA _D irect(Singleyear) ₂ 017 _D irect(Singleyear)[OthersDirect]	
Brazil	117	2020.5	2017 B Wilgireer (Single year) 2017 Bireer (Single year) [Others Bireer]	
Diuzii	18	1995.2	1996 Demographic and Health Survey Direct (1996) [DHS Direct]	
	3	2010.2	2010 Census Direct (Single year) (2010) [Others Direct]	
	96	2010.2	Vital Registration [VR]	
British Virgin Is-	90	2020.3	Vital Registration [VK]	
lands				
	02	2010.5		
Brunei	83	2019.5	Vital Davietnetica [VD]	
Dul	83	2019.5	Vital Registration [VR]	
Bulgaria	156	2021.5	N' ID ' ' ' INDI	
D 1' D	156	2021.5	Vital Registration [VR]	
Burkina Faso	81	2009.3	10(0 10(1 0	
	3	1960.5	1960–1961 Survey Direct (Single year) (1960–1961) [Others Direct]	
	3	1985.5	1985 Census Direct (Single year) (1985) [Others Direct]	
	3	1995.5	1996 Census Direct (Single year) (1996) [Others Direct]	
	18	1997.8	1998–1999 Demographic and Health Survey Direct (1998–1999) [DHS Direct]	
	18	2002.4	2003 Demographic and Health Survey Direct (2003) [DHS Direct]	
	12	2001.7	2003 World Health Survey Direct (Various periods) (2003) [Others Di-	
	12	2001.7	rect]	
	3	2006.4	2006 Census Direct (Single year) (2006) [Others Direct]	
	3	2007.3	2008 Global Fund Evaluation Survey Direct (Single year) (2008) [Oth-	
		2007.5	ers Direct]	
	18	2009.3	2010 Demographic and Health Survey Direct (2010) [DHS Direct]	
Burundi	42	2015.8		
~ WI WIIWI	3	1964.7	1965 Population Survey Direct (Single year) (1965) [Others Direct]	
	3	2008.2	2008 Census Direct (Single year) (2008) [Others Direct]	
	18	2009.6	2010 Demographic and Health Survey Direct (2010) [DHS Direct]	
	18	2015.8	2017 Demographic and Health Survey Direct (2017) [DHS Direct]	
Cambodia	72	2013.4	2017 Demographic and Heatin Burvey Direct (2017) [Direct]	
Camboara	18	1999.1	2000 Demographic and Health Survey Direct (2000) [DHS Direct]	
	18	2004.7	2005 Demographic and Health Survey Direct (2005) [DHS Direct]	
	18	2004.7	2010 Demographic and Health Survey Direct (2010) [DHS Direct]	
	18	2009.3	2010 Demographic and Health Survey Direct (2010) [DHS Direct] 2014 Demographic and Health Survey Direct (2014) [DHS Direct]	
Cameroon	81	2013.4	2017 Demographic and Health Survey Direct (2014) [DIIS Direct]	
Cameroon	01	2017.4	Continued on next page	

Table 27 – continued from previous page

Table 27 – continued from previous page				
	#	Most		
Country	obs.	recent	Data series name [source type]	
	0.00	obs. year		
	3	1975.8	1976 Census Direct (Single year) (1976) [Others Direct]	
	3	1986.8	1987 Census Direct (Single year) (1987) [Others Direct]	
	18	1997.1	1998 Demographic and Health Survey Direct (1998) [DHS Direct]	
	18	2003.1	2004 Demographic and Health Survey Direct (2004) [DHS Direct]	
	3	2005.4	2005 Census Direct (Single year) (2005) [Others Direct]	
	18	2010	2011 Demographic and Health Survey Direct (2011) [DHS Direct]	
	18	2017.4	2018 Demographic and Health Survey Direct (2018) [DHS Direct]	
Canada	153	2020.5		
	153	2020.5	Vital Registration [VR]	
Cape Verde	81	2018.5		
1	3	2000	2000 Census Direct (Single year) (2000) [Others Direct]	
	3	2009.5	2010 Census Direct (Single year) (2010) [Others Direct]	
	18	1999.5	Adjusted Vital Registration [VR]	
	57	2018.5	Vital Registration [VR]	
Central African	27	2003.4	,g	
Republic	_,	2000.		
repuene	3	1959.5	1959–1960 Survey Direct (Single year) (1959–1960) [Others Direct]	
	3	1988.4	1988 Census Direct (Single year) (1988) [Others Direct]	
	18	1993.7	1994–1995 Demographic and Health Survey Direct (1994–1995) [DHS	
	10	1773.7	Direct]	
	3	2003.4	2003 Census Direct (Single year) (2003) [Others Direct]	
Chad	57	2013.7	2005 Census Direct (Single Year) (2005) [Others Direct]	
Chuu	18	1995.9	1996–1997 Demographic and Health Survey Direct (1996–1997) [DHS	
	10	1773.7	Direct]	
	18	2003.5	2004 Demographic and Health Survey Direct (2004) [DHS Direct]	
	3	2003.3	2009 Census Direct (Single year) (2009) [Others Direct]	
	18	2013.7	2014–2015 Demographic and Health Survey Direct (2014–2015) [DHS	
	10	2013.7	Direct]	
Chile	153	2020.5	Directj	
Cinic	153	2020.5	Vital Registration [VR]	
China	48	2010.5	vital Registration [VR]	
Ciliia	3	1973.5	$1964-1982 \text{ CHN}_{Census_1}9641982_{D}irect[OthersDirect]$	
	3	1975.5	$1982-1990 \text{ CHN}_{Census_1}982-1990_{Direct}[OthersDirect]$	
	3	1980.3	1987 China 1987 One–per–Hundred National Population Survey Direct	
		170/	(Single year) (1987) [Others Direct]	
	3	1995.5	[Single year) (1987) [Others Direct] $1990-2000 \text{ CHN}_{Census_1}9902000_{Direct}[Others Direct]$	
	3	1995.3 1995.4	1990–2000 CHN _C ensus ₁ 990 – –2000 _D trect [OthersDirect] 1995 China 1995 One–percent Sample Survey Direct (Single year)	
	3	1773.4	(1995) [Others Direct]	
	3	2000.5	[1993] [Others Direct] $1999-2000 \text{ CHN}_{Census_1}9992000_{Direct}[OthersDirect]$	
	3	2005.5	$[2000-2010 \text{ CHN}_{Census}]$ $[2000-2010 \text{ CHN}_{Census}]$ $[2000-2010 \text{ CHN}_{Census}]$	
	3	2003.3	2000–2010 CHNCensus ₂ 000 – 2010 Birect [Others Direct] 2007 China 2007 Annual Population Change Survey Direct (Single	
		2007. 4	year) (2007) [Others Direct]	
	3	2008.4	· · · · · ·	
	3	2008.4	2008 China 2008 Annual Population Change Survey Direct (Single	
	21	2010.5	year) (2008) [Others Direct]	
Calambia	21	2010.5	CDC Surveillance surveys [VR]	
Colombia	102	2020.5	Continued on payt page	

Table 27 – continued from previous page

Table 27 – continued from previous page				
	#	Most		
Country	obs.	recent	Data series name [source type]	
	UDS.	obs. year		
	18	2014.1	2015 Demographic and Health Survey Direct (2015) [DHS Direct]	
	84	2020.5	Adjusted Vital Registration [VR]	
Comoros	12	2009.6		
	3	1958.2	1958 Census Direct (Single year) (1958) [Others Direct]	
	3	2003.2	2003 Census Direct (Single year) (2003) [Others Direct]	
	6	2009.6	2012 Demographic and Health Survey Direct (2012) [DHS Direct]	
Congo	45	2012.9	2012 Demographic and Health Survey Direct (2012) [Direct]	
Congo	18	2004.5	2005 Demographic and Health Survey Direct (2005) [DHS Direct]	
	18	2010.7	2011–2012 Demographic and Health Survey Direct (2011–2012) [DHS	
	10	2010.7		
	0	2012.0	Direct]	
D D	9	2012.9	2015 Multiple Indicator Cluster Survey 2015 [Others Direct]	
Democratic Re-	33	2012.6		
public of the				
Congo				
	15	2006	2007 Demographic and Health Survey Direct (2007) [DHS Direct]	
	18	2012.6	2013–2014 Demographic and Health Survey Direct (2013–2014) [DHS	
			Direct]	
Cook Islands	25	2008.5		
	25	2008.5	Vital Registration [VR]	
Costa Rica	96	2020.5		
	96	2020.5	Adjusted Vital Registration [VR]	
Cote d'Ivoire	60	2010.9	-J	
Cole a Trone	3	1977.5	1978–1979 Demographic Survey Repeated Passages Direct (Single	
		1777.5	year) (1978–1979) [Others Direct]	
	18	1993.4	1994 Demographic and Health Survey Direct (1994) [DHS Direct]	
	3	1993.4	1998 Census Direct (Single year) (1998) [Others Direct]	
			2003 World Health Survey Direct (Various periods) (2003) [Others Di-	
	6	2000.2		
	10	2004.1	rect]	
	12	2004.1	2005 Demographic and Health Survey Direct (2005) [DHS Direct]	
	18	2010.9	2011–2012 Demographic and Health Survey Direct (2011–2012) [DHS	
			Direct]	
Croatia	117	2021.5		
	3	2010.8	2011 Census Direct (Single year) (2011) [Others Direct]	
	114	2021.5	Vital Registration [VR]	
Cuba	96	2020.5		
	96	2020.5	Vital Registration [VR]	
Cyprus	92	2020.5		
- 1	56	2020.5	Adjusted Vital Registration [VR]	
	36	2000.5	Vital Registration [VR]	
Czech Republic	156	2021.5		
	156	2021.5	Vital Registration [VR]	
Denmark	156	2021.5	, and regulation [110]	
Deminark	156	2021.5	Vital Registration [VR]	
Diihouti	150	2021.3	vitai negistiation [vinj	
Djibouti	27	2015		
Dominica	37	2015	A 1' (137) 1 D 1' ()' (137)	
I	17	1999.5	Adjusted Vital Registration [VR]	

Table 27 – continued from previous page

	Table 27 – continued from previous page				
	#	Most			
Country		recent	Data series name [source type]		
	obs.	obs. year			
	20	2015	Vital Registration [VR]		
Dominican Repub-	48	2010.4			
lic					
	18	2001.5	2002 Demographic and Health Survey Direct (2002) [DHS Direct]		
	9	2001.2	2003 World Health Survey Direct (Various periods) (2003) [Others Di-		
		2001.2	rect]		
	18	2006.2	2007 Demographic and Health Survey Direct (2007) [DHS Direct]		
	3	2010.4	2010 Census Direct (Single year) (2010) [Others Direct]		
Ecuador	96	2020.5	2010 Compas Direct (Single Jean) (2010) [Camers Direct]		
Ledddol	3	1997.2	2003 World Health Survey Direct (Various periods) (2003) [Others Di-		
		1771.2	rect]		
	93	2020.5	Vital Registration [VR]		
Egypt	93	2019.5	vital Registration [vR]		
Lgypt	42	2019.5	Adjusted Vital Registration [VR]		
	51	2019.5	Vital Registration [VR]		
El Colmodon			vitai registiation [vr]		
El Salvador	87	2019.5	1002 C D' (G'		
	3	1992.2	1992 Census Direct (Single year) (1992) [Others Direct]		
T	84	2019.5	Vital Registration [VR]		
Equatorial Guinea					
Eritrea					
Estonia	156	2020.5			
	3	2011.6	2011–2012 Census Direct (Single year) (2011–2012) [Others Direct]		
	153	2020.5	Vital Registration [VR]		
Ethiopia	84	2015			
	3	1983.9	1984 Census Direct (Single year) (1984) [Others Direct]		
	15	1997.1	2000 Demographic and Health Survey Direct (2000) [DHS Direct]		
	12	2001.7	2003 World Health Survey Direct (Various periods) (2003) [Others Di-		
			rect]		
	18	2004.2	2005 Demographic and Health Survey Direct (2005) [DHS Direct]		
	3	2006.9	2007 Census Direct (Single year) (2007) [Others Direct]		
	15	2009.9	2011 Demographic and Health Survey Direct (2011) [DHS Direct]		
	18	2015	2016 Demographic and Health Survey Direct (2016) [DHS Direct]		
Federated States of					
Micronesia					
Fiji	42	2019.5			
	42	2019.5	Adjusted Vital Registration [VR]		
Finland	156	2021.5			
	156	2021.5	Vital Registration [VR]		
France	153	2020.5			
	153	2020.5	Vital Registration [VR]		
Gabon	24	2010.5			
	12	1999	2000 Demographic and Health Survey Direct (2000) [DHS Direct]		
	12	2010.5	2012 Demographic and Health Survey Direct (2012) [DHS Direct]		
The Gambia	33	2018.8			
	3	2012.8	2013 Census Direct (Single year) (2013) [Others Direct]		
	12	2011.6	2013 Demographic and Health Survey Direct (2013) [DHS Direct]		
	12	2011.0	2010 Demographic and Houldi burvey Direct (2013) [Dilb Direct]		

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Table 27 – continued from previous page				
	#	Most		
Country	obs.	recent	Data series name [source type]	
	UDS.	obs. year		
	18	2018.8	2020 Demographic and Health Survey Direct (2020) [DHS Direct]	
Georgia	90	2021.5		
	33	2001.5	Adjusted Vital Registration [VR]	
	57	2021.5	Vital Registration [VR]	
Germany	153	2021.5		
	153	2021.5	Vital Registration [VR]	
Ghana	30	2014.2		
	12	2001.7	2003 World Health Survey Direct (Various periods) (2003) [Others Di-	
			rect]	
	12	2005.5	2007 Demographic and Health Survey Direct (2007) [DHS Direct]	
	3	2010.3	2010 Census Direct (Single year) (2010) [Others Direct]	
	3	2014.2	2017 Demographic and Health Survey Others (2017) [Others Direct]	
Greece	153	2020.5		
	153	2020.5	Vital Registration [VR]	
Grenada	76	2018.5		
	32	2000.5	Adjusted Vital Registration [VR]	
	44	2018.5	Vital Registration [VR]	
Guatemala	117	2017.5		
	12	1993.9	1995 Demographic and Health Survey Direct (1995) [DHS Direct]	
	18	2013.7	2014–2015 Demographic and Health Survey Direct (2014–2015) [DHS	
			Direct]	
	87	2017.5	Vital Registration [VR]	
Guinea	60	2013.8		
	3	1996.4	1996 Census Direct (Single year) (1996) [Others Direct]	
	18	1998.3	1999 Demographic and Health Survey Direct (1999) [DHS Direct]	
	18	2004.1	2005 Demographic and Health Survey Direct (2005) [DHS Direct]	
	18	2011.4	2012 Demographic and Health Survey Direct (2012) [DHS Direct]	
	3	2013.8	2014 Census Direct (Single year) (2014) [Others Direct]	
Guinea-Bissau	12	2012.2		
	3	2008.8	2009 Census Direct (Single year) (2009) [Others Direct]	
	9	2012.2	2014 Multiple Indicator Cluster Survey 2014 [Others Direct]	
Guyana	78	2014.5		
	78	2014.5	Vital Registration [VR]	
Haiti	48	2015.8		
	12	1998.6	2000 Demographic and Health Survey Direct (2000) [DHS Direct]	
	18	2004.7	2005–2006 Demographic and Health Survey Direct (2005–2006) [DHS	
			Direct]	
	18	2015.8	2017 Demographic and Health Survey Direct (2017) [DHS Direct]	
Honduras	3	2001.1		
	3	2001.1	2001 Census Direct (Single year) (2001) [Others Direct]	
Hungary	153	2020.5		
	153	2020.5	Vital Registration [VR]	
Iceland	132	2021		
	132	2021	Vital Registration [VR]	
India	141	2019.5		
	3	1970.5	1971 Census Direct (Single year) (1971) [Others Direct]	
	1	1 -2 . 0.0		

Table 27 – continued from previous page

	Table 27 – continued from previous page			
	#	Most		
Country	obs.	recent	Data series name [source type]	
	uns.	obs. year		
	3	1980.5	1981 Census Direct (Single year) (1981) [Others Direct]	
	3	1991.9	1992–1993 National Family Health Survey Direct (Single year) (1992–	
			1993) [Others Direct]	
	3	1998.2	1998–1999 National Family Health Survey Direct (Single year) (1998–	
			1999) [Others Direct]	
	12	2001.7	2003 World Health Survey Direct (Various periods) (2003) [Others Di-	
			rect]	
	117	2019.5	Sample Registration System [VR]	
Indonesia	63	2010.3		
	6	1964.5	1964–1965 National Socio–economic Survey Direct (Single year)	
			(1964–1965) [Others Direct]	
	18	1993.5	1994 Demographic and Health Survey Direct (1994) [DHS Direct]	
	12	2001.2	2002–2003 Demographic and Health Survey Direct (2002–2003) [DHS	
			Direct]	
	15	2006.4	2007 Demographic and Health Survey Direct (2007) [DHS Direct]	
	3	2009.9	2010 Census Direct (Single year) (2010) [Others Direct]	
	9	2010.3	2012 Demographic and Health Survey Direct (2012) [DHS Direct]	
Iran (Islamic Re-	42	2017.5		
public of)				
	3	1975.5	1976 Census Direct (Single year) (1976) [Others Direct]	
	3	1999.8	2000 Demographic and Health Survey Direct (Single year) (2000) [Oth-	
			ers Direct]	
	33	2017.5	Adjusted Vital Registration [VR]	
	3	2004.5	Based on 2004 DH – adjusted for incompleteness Vital Registration	
			(2017) [Others Direct]	
Iraq	3	2004.6		
	3	2004.6	2006 Iraq Family Health Survey Direct (Various periods) (2006) [Others	
			Direct]	
Ireland	156	2020.5		
	3	2010.8	2011 Census Direct (Single year) (2011) [Others Direct]	
	153	2020.5	Vital Registration [VR]	
Israel	141	2021.5		
	141	2021.5	Vital Registration [VR]	
Italy	153	2020.5		
	153	2020.5	Vital Registration [VR]	
Jamaica	3	2010.2		
	3	2010.2	2011 Census Direct (Single year) (2011) [Others Direct]	
Japan	153	2021.5		
	153	2021.5	Vital Registration [VR]	
Jordan	9	2014.9		
	6	1995.4	1997 Demographic and Health Survey Direct (1997) [DHS Direct]	
	3	2014.9	2015 Census Direct (Single year) (2015) [Others Direct]	
Kazakhstan	102	2021.5		
	3	1997.2	2003 World Health Survey Direct (Various periods) (2003) [Others Di-	
			rect]	
			Continued on next page	

Table 27 – continued from previous page

Table 27 – continued from previous page			
	#	Most	
Country	obs.	recent	Data series name [source type]
	ODS.	obs. year	
	99	2021.5	Vital Registration [VR]
Kenya	84	2013.3	
	18	1997.1	1998 Demographic and Health Survey Direct (1998) [DHS Direct]
	18	2002.2	2003 Demographic and Health Survey Direct (2003) [DHS Direct]
	9	2001.2	2003 World Health Survey Direct (Various periods) (2003) [Others Di-
			rect]
	18	2007.8	2008–2009 Demographic and Health Survey Direct (2008–2009) [DHS
			Direct]
	3	2009.2	2009 Census Direct (Single year) (2009) [Others Direct]
	18	2013.3	2014 Demographic and Health Survey Direct (2014) [DHS Direct]
Kiribati			
Democratic Peo-	3	2008.3	
ple's Republic of		2000.0	
Korea			
110101	3	2008.3	2008 Census Direct (Single year) (2008) [Others Direct]
Republic of Korea	99	2021.5	2000 consult 2 need (single your) (2000) [consult 2 need]
republic of Rolea	99	2021.5	Vital Registration [VR]
Kosovo	77	2021.3	vital registration [vit]
Kuwait	87	2019.5	
Kuwan	87	2019.5	Vital Registration [VR]
Kyrgyzstan	99	2021.5	vital Registration [vR]
Kyigyzstaii	99	2021.5	Vital Registration [VR]
Lao People's	15	2014.8	Vital Registration [VK]
Lao People's Democratic Re-	13	2014.6	
public Re-			
public	9	2001.2	2003 World Health Survey Direct (Various periods) (2003) [Others Di-
	9	2001.2	rect]
	3	2004.8	2005 Census Direct (Single year) (2005) [Others Direct]
	3	2004.8	2015 Census Direct (Single year) (2015) [Others Direct]
Latria		2014.8	2013 Census Direct (Single year) (2013) [Others Direct]
Latvia	156		Vital Designation [VD]
Lahanan	156	2021.5	Vital Registration [VR]
Lebanon Lesotho	62	2015.5	
Lesouio	63	1995.8	1996 Census Direct (Single year) (1996) [Others Direct]
	3		2001 Demographic Survey Direct (Single year) (2001) [Others Direct]
	3	2000.9 2003.7	2001 Demographic Survey Direct (Single year) (2001) [Others Direct] 2004 Demographic and Health Survey Direct (2004) [DHS Direct]
	18	2003.7	
	18		2009 Demographic and Health Survey Direct (2009) [DHS Direct] 2014 Demographic and Health Survey Direct (2014) [DHS Direct]
	18	2013.7	2014 Demographic and Health Survey Direct (2014) [DHS Direct] 2016 Census Direct (Single year) (2016) [Others Direct]
Liboria	3 45	2015.5	2010 Census Direct (Single year) (2010) [Others Direct]
Liberia	45	2018.2 1969.5	1060 1070 Depulation Growth Survey Direct (Single year) (1060
	3	1909.3	1969–1970 Population Growth Survey Direct (Single year) (1969–
	1.5	2005.0	1970) [Others Direct]
	15	2005.9	2006–2007 Demographic and Health Survey Direct (2006–2007) [DHS
	10	2012.2	Direct] 2012 Demographic and Health Survey Direct (2012) [DHS Direct]
	18	2012.2	2013 Demographic and Health Survey Direct (2013) [DHS Direct] Continued on next page

Table 27 – continued from previous page

Table 27 – continued from previous page				
	#	Most		
Country	obs.	recent	Data series name [source type]	
	uns.	obs. year		
	9	2018.2	2020 Demographic and Health Survey Direct (2020) [DHS Direct]	
Libya				
Lithuania	162	2021.5		
	3	2010.8	2011 Census Direct (Single year) (2011) [Others Direct]	
	3	2017.5	2018 Statistical Survey Direct (Single year) (2018) [Others Direct]	
	156	2021.5	Vital Registration [VR]	
Luxembourg	138	2020.5	vital registration [vit]	
Luxelloouig	138	2020.5	Vital Registration [VR]	
Magadania	93	2020.5	Vital Registration [VK]	
Macedonia			Address d Vited Device and CVD1	
3.6.1	93	2020.5	Adjusted Vital Registration [VR]	
Madagascar	51	2007.8		
	3	1993.1	1993 Census Direct (Single year) (1993) [Others Direct]	
	18	1996.7	1997 Demographic and Health Survey Direct (1997) [DHS Direct]	
	12	2002.3	2003–2004 Demographic and Health Survey Direct (2003–2004) [DHS	
			Direct]	
	18	2007.8	2008–2009 Demographic and Health Survey Direct (2008–2009) [DHS	
			Direct]	
Malawi	123	2018.2		
	3	1971.1	1970–1972 Population Change Survey Direct (2 year) (1970–1972)	
			[Others Direct]	
	12	1991.2	1992 Demographic and Health Survey Direct (1992) [DHS Direct]	
	3	1998.2	1998 Census Direct (Single year) (1998) [Others Direct]	
	18	1999.5	2000 Demographic and Health Survey Direct (2000) [DHS Direct]	
	18	2002.2	2003 World Health Survey Direct (Various periods) (2003) [Others Di-	
		2002.2	rect]	
	18	2003.8	2004 Demographic and Health Survey Direct (2004) [DHS Direct]	
	3	2008	2008 Census Direct (Single year) (2008) [Others Direct]	
	18	2009.4	2010 Demographic and Health Survey Direct (2010) [DHS Direct]	
	9	2011.9	2014 Multiple Indicator Cluster Survey 2014 [Others Direct]	
	18	2011.7	2015–2016 Demographic and Health Survey Direct (2015–2016) [DHS	
	10	2014.7	, , , , , , , , , , , , , , , , , , , ,	
	3	2018.2	Direct] 2018 Census Direct (Single year) (2018) [Others Direct]	
Malayaia			2010 Census Direct (Single year) (2018) [Others Direct]	
Malaysia	90	2021.5	White Device of the DVD	
3.6.1.1	90	2021.5	Vital Registration [VR]	
Maldives	92	2020.5	Att A TWO ID AND STORY	
	18	1994.5	Adjusted Vital Registration [VR]	
	74	2020.5	Vital Registration [VR]	
Mali	84	2017.6		
	3	1986.8	1987 Census Direct (Single year) (1987) [Others Direct]	
	18	2000	2001 Demographic and Health Survey Direct (2001) [DHS Direct]	
	9	2001.2	2003 World Health Survey Direct (Various periods) (2003) [Others Di-	
			rect]	
	18	2005.3	2006 Demographic and Health Survey Direct (2006) [DHS Direct]	
	18	2011.8	2012–2013 Demographic and Health Survey Direct (2012–2013) [DHS	
			Direct]	
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Table 27 – continued from previous page

Table 27 – continued from previous page				
~	#	Most		
Country	obs.	recent	Data series name [source type]	
	ODS.	obs. year		
	18	2017.6	2018 Demographic and Health Survey Direct (2018) [DHS Direct]	
Malta	87	2021.5		
	87	2021.5	Vital Registration [VR]	
Marshall Islands				
Mauritania	21	2018.4		
	3	1977	1976–1977 Census Direct (Single year) (1976–1977) [Others Direct]	
	3	1987.8	1988 Census Direct (Single year) (1988) [Others Direct]	
	3	2012.8	2013 Census Direct (Single year) (2013) [Others Direct]	
	12	2018.4	2021 Demographic and Health Survey Direct (2021) [DHS Direct]	
Mauritius	96	2020.5	, , , , , , , , , , , , , , , , , , , ,	
	96	2020.5	Vital Registration [VR]	
Mexico	96	2020.5		
	96	2020.5	Vital Registration [VR]	
Republic of	93	2020.5	Togetham (11)	
Moldova		2020.3		
Wioldova	93	2020.5	Vital Registration [VR]	
Monaco	75	2020.3	vital registration [viv]	
Mongolia	90	2019.5		
Wongona	3	2019.5	2010 Census Direct (Single year) (2010) [Others Direct]	
	27	1999.5	Adjusted Vital Registration [VR]	
	60	2019.5	Vital Registration [VR]	
Mantanagua	92	2019.5	vitai Registration [VR]	
Montenegro			A directed Wited Descietantian (VD)	
	42	2002.5	Adjusted Vital Registration [VR]	
Mantagana	50	2021.5	Vital Registration [VR]	
Montserrat	4.1	2010		
Morocco	41	2010	1000 D	
	17	1991	1992 Demographic and Health Survey Direct (1992) [DHS Direct]	
	18	2002.7	2003–2004 Demographic and Health Survey Direct (2003–2004) [DHS	
		100= 4	Direct]	
	3	1997.2	2003 World Health Survey Direct (Various periods) (2003) [Others Di-	
		2010	rect]	
	3	2010	2009–2010 National Demographic Survey with repeated passages Di-	
			rect (Single year) (2009–2010) [Others Direct]	
Mozambique	45	2010.4		
	9	1995.2	1997 Demographic and Health Survey Direct (1997) [DHS Direct]	
	18	2002.6	2003 Demographic and Health Survey Direct (2003) [DHS Direct]	
	18	2010.4	2011 Demographic and Health Survey Direct (2011) [DHS Direct]	
Myanmar	12	2014.4		
	3	2013.8	2014 Census Direct (Single year) (2014) [Others Direct]	
	9	2014.4	2015–2016 Demographic and Health Survey Direct (2015–2016) [DHS	
			Direct]	
Namibia	84	2012.3		
	18	1991.5	1992 Demographic and Health Survey Direct (1992) [DHS Direct]	
	18	1999.7	2000 Demographic and Health Survey Direct (2000) [DHS Direct]	
	3	2001	2001 Census Direct (Single year) (2001) [Others Direct]	
			Continued on next page	

Table 27 – continued from previous page

Table 27 – continued from previous page				
	#	Most		
Country	obs.	recent	Data series name [source type]	
	UDS.	obs. year		
	6	2000.2	2003 World Health Survey Direct (Various periods) (2003) [Others Di-	
			rect]	
	18	2005.8	2006–2007 Demographic and Health Survey Direct (2006–2007) [DHS	
			Direct]	
	3	2011.2	2011 Census Direct (Single year) (2011) [Others Direct]	
	18	2012.3	2013 Demographic and Health Survey Direct (2013) [DHS Direct]	
Nauru	2	2000		
	2	2000	Vital Registration [VR]	
Nepal	63	2014.9		
	18	1995	1996 Demographic and Health Survey Direct (1996) [DHS Direct]	
l	3	2001	2001 Census Direct (Single year) (2001) [Others Direct]	
l	15	2000.2	2003 World Health Survey Direct (Various periods) (2003) [Others Di-	
	10	2000.2	rect]	
	12	2004.6	2006 Demographic and Health Survey Direct (2006) [DHS Direct]	
	3	2010.5	2011 Census Direct (Single year) (2011) [Others Direct]	
	12	2014.9	2016 Demographic and Health Survey Direct (2016) [DHS Direct]	
Netherlands	156	2021.5	2010 Demographic and Health Survey Direct (2010) [2115 Direct]	
rectionands	156	2021.5	Vital Registration [VR]	
New Zealand	159	2021.5	vital Registration [VR]	
New Zealand	3	2005.7	2006 Census Direct (Single year) (2006) [Others Direct]	
	156	2003.7	Vital Registration [VR]	
Nicaragua	130	2021.3	vital registration [vr]	
Niger	57	2011.1		
Nigei	18	1991.2	1992 Demographic and Health Survey Direct (1992) [DHS Direct]	
	3	2000.9	2001 Census Direct (Single year) (2001) [Others Direct]	
	18	2000.9	2006 Demographic and Health Survey Direct (2006) [DHS Direct]	
	18	2003		
Nimaria			2012 Demographic and Health Survey Direct (2012) [DHS Direct]	
Nigeria	63	2017.6	1005 1000 P 1 P 1' G 1 G P' (G' 1	
	3	1965.6	1965–1966 Rural Demographic Sample Survey Direct (Single year)	
	1.0	2007.4	(1965–1966) [Others Direct]	
	18	2007.4	2008 Demographic and Health Survey Direct (2008) [DHS Direct]	
	3	2010.5	2010 GHS Panel Survey Direct (Single year) (2010) [Others Direct]	
	3	2012.5	2012–2013 GHS Panel Survey Direct (Single year) (2012–2013) [Oth-	
	10	2012.1	ers Direct]	
	18	2012.1	2013 Demographic and Health Survey Direct (2013) [DHS Direct]	
> T'	18	2017.6	2018 Demographic and Health Survey Direct (2018) [DHS Direct]	
Niue	1 = -	2021 7		
Norway	156	2021.5		
	156	2021.5	Vital Registration [VR]	
Oman				
Pakistan	33	2007.5		
	12	1965.5	1962–1965 Population Growth Estimation Experiment Direct (Single	
			year) (1962–1965) [Others Direct]	
	3	1970	1971 Population Growth Survey I Direct (Single year) (1971) [Others	
			Direct]	
			C . 1	

Table 27 – continued from previous page

Table 27 – continued from previous page				
	#	Most		
Country	obs.	recent	Data series name [source type]	
	UDS.	obs. year		
	3	2006.4	2006–2007 Demographic and Health Survey Direct (Various periods)	
			(2006–2007) [Others Direct]	
	15	2007.5	Pakistan Demographic Survey [VR]	
Palau	44	2018.5		
	44	2018.5	Vital Registration [VR]	
Panama	96	2021.5		
	96	2021.5	Adjusted Vital Registration [VR]	
Papua New Guinea	18	2015.8		
	18	2015.8	2018 Demographic and Health Survey Direct (2018) [DHS Direct]	
Paraguay	15	2002.2	2010 20110 grupino una 110mm 20110 j 2 1100 (2010) [2112 21100]	
Turuguaj	3	2002.2	2002 Census Direct (Single year) (2002) [Others Direct]	
	12	2001.7	2003 World Health Survey Direct (Various periods) (2003) [Others Di-	
	12	2001.7	rect]	
Peru	102	2009.7	1 cetj	
Teru	18	1990.7	1991–1992 Demographic and Health Survey Direct (1991–1992) [DHS	
	10	1990.7	Direct]	
	18	1995.6	1996 Demographic and Health Survey Direct (1996) [DHS Direct]	
	18	1993.0	2000 Demographic and Health Survey Direct (2000) [DHS Direct]	
	18	2002.9		
			2006 Demographic and Health Survey Direct (2006) [DHS Direct]	
	18	2006	2008 Demographic and Health Survey Direct (2008) [DHS Direct]	
DI 'II' '	12	2009.7	2011 Demographic and Health Survey Direct (2011) [DHS Direct]	
Philippines	117	2019.5	1000 B 11 11 11 G B: (4000) [BHG B: 4	
	18	1992.2	1993 Demographic and Health Survey Direct (1993) [DHS Direct]	
	18	1997.1	1998 Demographic and Health Survey Direct (1998) [DHS Direct]	
	60	2019.5	Adjusted Vital Registration [VR]	
	21	1999.5	Vital Registration [VR]	
Poland	156	2021.5		
	156	2021.5	Vital Registration [VR]	
Portugal	159	2021.5		
	3	2010.8	2011 Census Direct (Single year) (2011) [Others Direct]	
	156	2021.5	Vital Registration [VR]	
Qatar	87	2020.5		
	87	2020.5	Vital Registration [VR]	
Romania	99	2021.5		
	99	2021.5	Vital Registration [VR]	
Russian Federation	150	2020.5		
	150	2020.5	Vital Registration [VR]	
Rwanda	90	2018.8		
	15	1999.4	2000 Demographic and Health Survey Direct (2000) [DHS Direct]	
	3	2002.1	2002 Census Direct (Single year) (2002) [Others Direct]	
	15	2004.1	2005 Demographic and Health Survey Direct (2005) [DHS Direct]	
	18	2009.7	2010 Demographic and Health Survey Direct (2010) [DHS Direct]	
	3	2012.1	2012 Census Direct (Single year) (2012) [Others Direct]	
	18	2012.1	2012 Census Direct (Single year) (2012) [Others Direct] 2014–2015 Demographic and Health Survey Direct (2014–2015) [DHS	
	10	2013.0	Direct]	
			Continued on next page	

Table 27 – continued from previous page

	Table 27 – continued from previous page				
	#	Most			
Country		recent	Data series name [source type]		
	obs.	obs. year			
	18	2018.8	2020 Demographic and Health Survey Direct (2020) [DHS Direct]		
Saint Kitts and	50	2015.5			
Nevis	30	2013.3			
INCVIS	50	2015.5	Vital Degistration [VD]		
Calad I and			Vital Registration [VR]		
Saint Lucia	84	2018.5	The Land County		
	84	2018.5	Vital Registration [VR]		
Samoa	12	2016.4			
	3	1999	1999 Demographic and Health Survey Direct (Single year) (1999) [Oth-		
			ers Direct]		
	3	2006.4	2006 Census Direct (Single year) (1976) [Others Direct]		
	3	2011.4	2011 Population and Housing Census Direct (Single year) (2011) [Oth-		
			ers Direct]		
	3	2016.4	2016 Population and Housing Census Direct (Single year) (2016) [Oth-		
			ers Direct]		
San Marino					
Sao Tome and	12	2011.9			
Principe and	12	2011.9			
Timelpe	6	2005.7	2008–2009 Demographic and Health Survey Direct (2008–2009) [DHS		
	6	2005.7			
	2	2011.0	Direct]		
	3	2011.9	2012 Census Direct (Single year) (2012) [Others Direct]		
	3	2008.3	2014 Multiple Indicator Cluster Survey 2014 [Others Direct]		
Saudi Arabia	14	2017.5			
	3	1998.6	1999 Demographic Survey Direct (Single year) (1999) [Others Direct]		
	3	2004.2	2004 Census Direct (Single year) (2004) [Others Direct]		
	3	2009.8	2010 Census Direct (Single year) (2010) [Others Direct]		
	2	2015.5	2016 Demographic Survey Direct (Single year) (2016) [Others Direct]		
	3	2017.5	2018 Household Health Survey Direct (Single year) (2018) [Others Di-		
			rect]		
Senegal	78	2016.2			
_	18	1991.8	1992–1993 Demographic and Health Survey Direct (1992–1993) [DHS		
			Direct]		
	3	2002.5	2002 Census Direct (Single year) (2002) [Others Direct]		
	18	2004.1	2005 Demographic and Health Survey Direct (2005) [DHS Direct]		
	18	2009.7	2010–2011 Demographic and Health Survey Direct (2010–2011) [DHS		
	10		Direct]		
	3	2013.4	2013 Census Direct (Single year) (2013) [Others Direct]		
	18	2015.4	2013 Census Direct (Single year) (2013) [Others Direct] 2017 Demographic and Health Survey Direct (2017) [DHS Direct]		
Serbia	99	2010.2	2017 Demographic and Health Survey Direct (2017) [DHS Direct]		
Sciula			Adjusted Vital Registration [VR]		
	60	2021.5			
Carrah all	39	2001.5	Vital Registration [VR]		
Seychelles	66	2016.5	1000 Comm. D'm. 4 (C'm. 1		
	3	1959.8	1960 Census Direct (Single year) (1960) [Others Direct]		
	63	2016.5	Vital Registration [VR]		
Sierra Leone	57	2018.3			
	3	2004.4	2004 Census Direct (Single year) (2004) [Others Direct]		
	18	2007.2	2008 Demographic and Health Survey Direct (2008) [DHS Direct]		
			Continued on next page		

Table 27 – continued from previous page

Table 27 – continued from previous page			
G	#	Most	
Country	obs.	recent	Data series name [source type]
		obs. year	
	18	2012.4	2013 Demographic and Health Survey Direct (2013) [DHS Direct]
	18	2018.3	2019 Demographic and Health Survey Direct (2019) [DHS Direct]
Singapore	96	2020.5	
	96	2020.5	Vital Registration [VR]
Slovakia	156	2021.5	
	156	2021.5	Vital Registration [VR]
Slovenia	120	2021.5	
	120	2021.5	Vital Registration [VR]
Solomon Islands	3	2009.4	
	3	2009.4	2009 Census Direct (Single year) (2009) [Others Direct]
Somalia			
South Africa	99	2020.5	
	3	1997	1997 Household Survey Direct (Single year) (1997) [Others Direct]
	18	1997	1998 Demographic and Health Survey Direct (1998) [DHS Direct]
	3	1997.2	2003 World Health Survey Direct (Various periods) (2003) [Others Di-
			rect]
	3	2011.3	2011 Census Direct (Single year) (2011) [Others Direct]
	9	2014.4	2016 Demographic and Health Survey Direct (2016) [DHS Direct]
	63	2020.5	RMS [VR]
South Sudan	00	202016	14.10 [1.10]
Spain	153	2020.5	
Spani	153	2020.5	Vital Registration [VR]
Sri Lanka	75	2014.5	vital registration [vit]
511 Lanka	3	1997.2	2003 World Health Survey Direct (Various periods) (2003) [Others Di-
		1777.2	rect]
	72	2014.5	Vital Registration [VR]
Saint Vincent and	84	2017.5	vital registration [vr]
the Grenadines	0-	2017.3	
the Orenaumes	84	2017.5	Vital Registration [VR]
State of Delectine	04	2017.3	vital Registration [VK]
State of Palestine	2	1002.9	
Sudan	3	1992.8	1002 Canaga Dinast (Single year) (1002) [Others Direct]
Comingon	3	1992.8	1993 Census Direct (Single year) (1993) [Others Direct]
Suriname	93	2019.5	A l'acte I V'te I Dec'ate d'act [VD]
0 '1 1	93	2019.5	Adjusted Vital Registration [VR]
Swaziland	27	2006.8	1007 G D' (0' 1) (1007) FO (1 D')
	3	1996.9	1997 Census Direct (Single year) (1997) [Others Direct]
	3	1997.2	2003 World Health Survey Direct (Various periods) (2003) [Others Di-
	4.0	••••	rect]
	18	2005.5	2006–2007 Demographic and Health Survey Direct (2006–2007) [DHS
			Direct]
	3	2006.8	2007 Census Direct (Single year) (2007) [Others Direct]
Sweden	156	2021.5	
	156	2021.5	Vital Registration [VR]
Switzerland	156	2021.5	
	156	2021.5	Vital Registration [VR]
Syria	39	2010.5	
			Continued on next page

Table 27 – continued from previous page

Table 27 – continued from previous page			
	#	Most	
Country	obs.	recent	Data series name [source type]
		obs. year	
	39	2010.5	Vital Registration [VR]
Tajikistan	63	2021.5	
	33	1999.5	Adjusted Vital Registration [VR]
	30	2021.5	Vital Registration [VR]
Tanzania	93	2014.6	
	3	1967.2	1967 Census Direct (Single year) (1967) [Others Direct]
	3	1973.3	1973 National Demographic Survey Direct (Single year) (1973) [Others
			Direct]
	3	1988.2	1988 Census Direct (Single year) (1988) [Others Direct]
	18	1995.5	1996 Demographic and Health Survey Direct (1996) [DHS Direct]
	3	2002.2	2002 Census Direct (Single year) (2002) [Others Direct]
	18	2003.8	2004–2005 Demographic and Health Survey Direct (2004–2005) [DHS
		2003.0	Direct]
	18	2008.9	2010 Demographic and Health Survey Direct (2010) [DHS Direct]
	3	2010.4	2010–2011 National Panel Survey Direct (Single year) (2010–2011)
		2010.4	[Others Direct]
	6	2012.2	2012–2013 National Panel Survey Direct (Single year) (2012–2013)
	0	2012.2	[Others Direct]
	18	2014.6	
	10	2014.0	2015–2016 Demographic and Health Survey Direct (2015–2016) [DHS
TP1 !1 1	02	2010.5	Direct]
Thailand	93	2019.5	1005 1006 Comment Developed Classes Disease (Circles and (1005)
	3	1995.5	1995–1996 Survey of Population Change Direct (Single year) (1995–
	00	2010.5	1996) [Others Direct]
	90	2019.5	Adjusted Vital Registration [VR]
Timor Leste	39	2015.2	100F D 11 11 11 G D 1 (100F) [D11G D 1
	3	1991.7	1997 Demographic and Health Survey Direct (1997) [DHS Direct]
	18	2008.6	2009–2010 Demographic and Health Survey Direct (2009–2010) [DHS
	_		Direct]
	6	2014.5	2015 Census Direct (Single year) (2015) [Others Direct]
	12	2015.2	2016 Demographic and Health Survey Direct (2016) [DHS Direct]
Togo	41	2012.8	
	3	1961.4	1961 Demographic survey Direct (Single year) (1961) [Others Direct]
	3	1981.4	1981 Census Direct (Single year) (1981) [Others Direct]
	18	1997.1	1998 Demographic and Health Survey Direct (1998) [DHS Direct]
	17	2012.8	2013–2014 Demographic and Health Survey Direct (2013–2014) [DHS
			Direct]
Tonga	72	2018.5	
	3	2006.4	2006 Census Direct (Single year) (2006) [Others Direct]
	39	2005.5	Adjusted Vital Registration [VR]
	30	2018.5	Vital Registration [VR]
Trinidad and To-	87	2017.5	
bago			
	87	2017.5	Vital Registration [VR]
Tunisia	37	2017.5	
	7	2000.2	2003 World Health Survey Direct (Various periods) (2003) [Others Di-
			rect]
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Table 27 – continued from previous page

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	#	Most	
Country	obs.	recent	Data series name [source type]
	UDS.	obs. year	
	21	2000.5	Adjusted Vital Registration [VR]
	9	2017.5	Vital Registration [VR]
Turkey	33	2019.5	
-	3	2002.7	2003 National Verbal Autopsy Survey Direct (Single year) (2003) [Oth-
			ers Direct]
	30	2019.5	Vital Registration [VR]
Turkmenistan	81	2015.5	g z z
	81	2015.5	Adjusted Vital Registration [VR]
Turks and Caicos	6	2002	
Islands			
10141140	6	2002	Vital Registration [VR]
Tuvalu	8	2002	The registration [122]
201010	8	2002	Vital Registration [VR]
Uganda	90	2015.4	, and responded [110]
Oganda	18	1994.2	1995 Demographic and Health Survey Direct (1995) [DHS Direct]
	18	1994.2	2000–2001 Demographic and Health Survey Direct (2000–2001) [DHS
	10	1999.7	Direct]
	18	2005.3	2006 Demographic and Health Survey Direct (2006) [DHS Direct]
	18	2003.3	T
			2011 Demographic and Health Survey Direct (2011) [DHS Direct]
T T1 '	18	2015.4	2016 Demographic and Health Survey Direct (2016) [DHS Direct]
Ukraine	153	2021.5	ATC 1D Co. C. DVD1
***	153	2021.5	Vital Registration [VR]
United Arab Emi-	3	1997.2	
rates		100= 6	
	3	1997.2	2003 World Health Survey Direct (Various periods) (2003) [Others Di-
			rect]
United Kingdom	93	2019.5	
	93	2019.5	Vital Registration [VR]
United States of	153	2020.5	
America			
	153	2020.5	Vital Registration [VR]
Uruguay	93	2020.5	
	93	2020.5	Vital Registration [VR]
Uzbekistan	99	2021.5	
	99	2021.5	Adjusted Vital Registration [VR]
Vanuatu	3	2009.4	
	3	2009.4	2009 Census Direct (Single year) (2009) [Others Direct]
Venezuela (Boli-	78	2016.5	
varian Republic			
of)			
	45	2016.5	Adjusted Vital Registration [VR]
	33	2000.5	Vital Registration [VR]
Vietnam	39	2017.5	
	3	1978.8	1979 Census Direct (Single year) (1979) [Others Direct]
	3	1988.5	1989 Census Direct (Single year) (1989) [Others Direct]
	3	1998.7	1999 Census Direct (Single year) (1999) [Others Direct]
	1		[] [(

Table 27 – continued from previous page

Table 27 – continued from previous page				
	#	Most		
Country	obs.	recent	Data series name [source type]	
		obs. year		
	3	1997.2	2003 World Health Survey Direct (Various periods) (2003) [Others Di-	
	_		rect]	
	3	2006.8	2007 Population Change and Family Planning Survey Direct (Single	
		2007.5	year) (2007) [Others Direct]	
	3	2007.5	2008 Population Change and Family Planning Survey Direct (Single	
	2	2010.0	year) (2008) [Others Direct]	
	3	2010.8	2011 Population Change and Family Planning Survey Direct (Single year) (2011) [Others Direct]	
	3	2011.8	2012 Population Change and Family Planning Survey Direct (Single	
		2011.0	year) (2012) [Others Direct]	
	3	2012.8	2013 Population Change and Family Planning Survey Direct (Single	
		2012.0	year) (2013) [Others Direct]	
	3	2013.5	2014 Intercensal Demographic Survey Direct (Single year) (2014) [Oth-	
		2013.5	ers Direct]	
	3	2014.8	2015 Population Change and Family Planning Survey Direct (Single	
			year) (2015) [Others Direct]	
	3	2016.5	2017 Population Change and Family Planning Survey Direct (Single	
			year) (2017) [Others Direct]	
	3	2017.5	2018 Population Change and Family Planning Survey Direct (Single	
			year) (2018) [Others Direct]	
Yemen				
Zambia	111	2017.5		
	18	1995.5	1996 Demographic and Health Survey Direct (1996) [DHS Direct]	
	18	2000.8	2001–2002 Demographic and Health Survey Direct (2001–2002) [DHS	
			Direct]	
	18	2002.2	2003 World Health Survey Direct (Various periods) (2003) [Others Di-	
			rect]	
	18	2006.2	2007 Demographic and Health Survey Direct (2007) [DHS Direct]	
	3	2010.3	2010 Census Direct (Single year) (2010) [Others Direct]	
	18	2012.6	2013–2014 Demographic and Health Survey Direct (2013–2014) [DHS	
			Direct]	
	18	2017.5	2018 Demographic and Health Survey Direct (2018) [DHS Direct]	
Zimbabwe	130	2016.5		
	3	1992.1	1992 Census Direct (Single year) (1992) [Others Direct]	
	18	1993.5	1994 Demographic and Health Survey Direct (1994) [DHS Direct]	
	3	1997.1	1997 Inter–Censal Demographic Survey Direct (Single year) (1997)	
	10	1000 7	[Others Direct]	
	18	1998.7	1999 Demographic and Health Survey Direct (1999) [DHS Direct]	
	3	2002.1	2002 Census Direct (Single year) (2002) [Others Direct]	
	16	2002.2	2003 World Health Survey Direct (Various periods) (2003) [Others Direct]	
	10	2004.6	rect] 2005 2006 Demographic and Health Survey Direct (2005, 2006) [DHS	
	18	2004.6	2005–2006 Demographic and Health Survey Direct (2005–2006) [DHS	
	18	2009.7	Direct] 2010–2011 Demographic and Health Survey Direct (2010–2011) [DHS	
	10	۷.۱ کال	Direct]	
	3	2012.1	2012 Census Direct (Single year) (2012) [Others Direct]	
	5	2012.1	Continued on next page	

Table 27 – continued from previous page

Country	# obs.	Most recent obs. year	Data series name [source type]
	9	2012.2	2014 Multiple Indicator Cluster Survey 2014 [Others Direct]
	18	2014.5	2015 Demographic and Health Survey Direct (2015) [DHS Direct]
	3	2016.5	2017 Inter–Censal Demographic Survey Direct (Single year) (2017)
			[Others Direct]

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