World Population Prospect 2019: Data Sources

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A description of the empirical data used and the methods applied in revising past estimates of population and components of demographic change (fertility, child, adult and overall mortality, international migration) is provided for each country or area for the period 1950-2020. For the countries with less than 90,000 inhabitants in 2019, only the data sources for total population are made available.

In addition, an interactive online web page provides this information on demand for specific countries or area (https://population.un.org/wpp/DataSources/), and a tabular version of this information is also available for each demographic component under Data download: Metadata (https://population.un.org/wpp/Download/Metadata).

Contents

Afghanistan

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1979 Census; (b) 2003-2005 HH Listing and 2007-2008 NRVA and 2010-2011 MICS and 2013-2014 LCS survey estimates; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the (a) 2010 DHS Special survey estimates; (b) official estimates through 2017 have been considered.
Note: The 1979 census enumerated the settled population only; an attempt was made to adjusted for the number of Kuchi (nomads), reported to be about 800,000 at the times.

Fertility: Total fertility rate and age pattern of fertility based on: (a) birth-histories data from the 2010 DHS Special and 2015 AHS and 2015 DHS; (b) period parity progression ratios based on data on women and births in the preceding 12 months, both classified by age of mother and parity, from the 2010 DHS Special; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1972-1974 NDFGS and 1979 Census and 2006 HS and 2007-2008, 2011-2012 NRVA and 2010-2011 MICS; (d) indirect estimates obtained using Mortara's method with data on children ever born by age of mother from the 1972-1974 NDFGS and 2000, 2003, 2010-2011 MICS and 2006 HS and 2007-2008, 2011-2012 NRVA; (e) indirect estimates obtained from the application of the reverse survival method to the 1972-1974 NDFGS and 1979 Census and 2003-2005 HH Listing and 2005 NRVA and 2006 HS; (f) indirect estimates obtained from the application of the own-children method of fertility estimation to the 2007-2008 NRVA and 2010 DHS Special and 2010-2011 MICS. In addition, the (a) official estimates of age-specific fertility rates through 2009; (b) birth-histories data from the 2003 MICS and 2007-2008 NRVA; (c) adjusted fertility using Arriaga modified P/F ratio method with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 2000, 2003 MICS and 2006 HS; (d) adjusted fertility using synthetic relational Gompertz model with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1972-1974 NDFGS and 1979 Census and 2007-2008, 2011-2012 NRVA and 2010-2011 MICS; (e) indirect estimates obtained using Mortara's method with data on children ever born by age of mother from the 1997 MICS and 2005 NRVA and 2010 DHS Special and 2011-2015 SDES have been considered.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 2010 DHS Special and 2015 DHS; (b) indirect estimates from data on children ever born and surviving from the 1972-1974 NDFGS and 1997, 2000, 2003, 2010-2011 MICS and 2005, 2007-2008, 2011-2012 NRVA and 2006 HS and 2011-2015 SDES; (c) recent household deaths from the 1972-1974 NDFGS and 1979 Census and 2010 DHS Special and 2011-2015 SDES; (d) International estimates used up to 2018.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: estimates of under-five mortality (5q0) by assuming that the age pattern of mortality conforms to the CD West model life tables. In addition, the official estimates through 2007 have been considered.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) UNHCR statistics on the number of refugees in the main countries of asylum.

Albania

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1950, 1955, 1989, 2001, 2011 censuses; (b) official estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) birth-histories data from the 2002 RHS and 2008-2009 DHS; (c) indirect estimates obtained from the application of the reverse survival method to the 1955, 1989, 2001, 2011

censuses; (d) indirect estimates obtained from the application of the own-children method of fertility estimation to the 2005 MICS.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2017; (b) direct estimates from births and deaths under-five calculated from full birth histories data from the 2002 RHS and 2008-2009 DHS; (c) indirect estimates from data on children ever born and surviving from the 2000, 2005 MICS and 2011 Census; (d) International estimates considered up to 2017.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2016; (b) registered deaths by age and sex available through 2016.

Migration: International migration based on: (a) official figures of net international migration flows, and assumed subsequent trends in international migration; (b) estimates derived as the differences between overall population growth and natural increase.

Algeria

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1960, 1966, 1977, 1987, 1998, 2008 censuses and 1969-1971 ED; (b) adjusted censuses for underenumeration; (c) official estimates through 2017; (d) only total population for 1954 Census; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2016; (b) birth-histories data from the 1986-1987 ENF and 1992, 2002 MCH and 2012-2013 MICS; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1954, 1966, 1987, 1998, 2008 censuses and 1969-1971 ED and 1970-1971 EF and 2006 MICS; (d) indirect estimates obtained from the application of the reverse survival method to the 1966, 1977, 1987, 1998, 2008 censuses and 2006, 2012-2013 MICS.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2012; (b) registered infant and child deaths through 2017; (c) direct estimates from births and deaths under-five calculated from full birth histories data from the 1969-1971 ED and 1970-1971 EF and 1986-1987 ENF and 1992, 2002 MCH and 1995, 2012-2013 MICS; (d) indirect estimates from data on children ever born and surviving from the 1987, 1998, 2008 censuses and 2000, 2006 MICS; (e) recent household deaths from the 1992 MCH and 1998, 2008 censuses and 2000 MICS; (f) International estimates used up to 2017.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2012; (b) registered deaths by age and sex available through 2016; (c) registered deaths by age and sex available through 2016; (d) International estimates considered up to 2017.
Note: From 1950 to 2000, the age patterns of mortality are derived from estimates of infant and child mortality by assuming that the age pattern of mortality conforms to the mortality patterns resulting from the blending from the South model of the Coale-Demeny Model Life Tables to the West model of the Coale-Demeny Model Life Tables from 1950 to 2000.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

American Samoa

Population: Total population estimated to be consistent with the population of the (a) 1950, 1956, 1960, 1970, 1974, 1980, 1990, 2000, 2010 censuses; (b) official estimates through 2015; (c) International estimates considered up to 2017; and the assumed subsequent trend in the growth rate of the population.
Note: Estimates of the Secretariat of the Pacific Community were also taken into account.

Andorra

Population: Total population estimated to be consistent with the population of the (a) official estimates through 2016; (b) only total population for 1954, 1989, 2000, 2011 censuses; and the assumed subsequent trend in the growth rate of the population.

Angola

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1950, 1960, 2014 censuses; (b) adjusted censuses for underenumeration; (c) official estimates through 2018; (d) only total population for 1970 Census; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) birth-histories data from the 2006-2007, 2011 MIS and 2015-2016 DHS; (b) indirect estimates obtained using Mortara's method with data on children ever born by age of mother from the 1996, 2001 MICS and 2008-2009 IBEP-MICS; (c) indirect estimates obtained from the application of the reverse survival method to the 2014 Census. In addition, the (a) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1960, 2014 censuses; (b) indirect estimates obtained using Mortara's method with data on children ever born by age of mother from the 1960 Census have been considered.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 2006-2007, 2011 MIS and 2015-2016 DHS; (b) indirect estimates from data on children ever born and surviving from the 1960, 2014 censuses and 1996, 2001 MICS and 2008-2009 IBEP-MICS; (c) recent household deaths from the 2008-2009 IBEP-MICS and 2014 Census; (d) International estimates used up to 2018.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2017; (b) estimates using LogQuad model life tables and estimates of under-five mortality (5q0), and adult mortality (45q15).

Adult and Old Age Mortality: Estimates derived from: implied relationship between under-five mortality (5q0) and adult mortality (45q15) based on model life tables relationships. In addition, the (a) recent household deaths data by age and sex from the 2008-2009 IBEP-MICS and 2014 Census; (b) siblings deaths from the 2015-2016 DHS; (c) maternal orphanhood from the 1960, 2014 censuses and 1996, 2001 MICS; (d) paternal orphanhood from the 1960, 2014 censuses have been considered.

Migration: International migration based on: (a) estimates derived as the differences between overall population growth and natural increase; (b) UNHCR statistics on the number of refugees in the main countries of asylum.

Anguilla

Population: Total population estimated to be consistent with the population of the (a) 1960, 1974, 1984, 1992, 2001, 2011 censuses; (b) official estimates through 2016; and the assumed subsequent trend in the growth rate of the population.

Antigua and Barbuda

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1960, 1970, 1991, 2001, 2011 censuses; (b) official estimates through 2010; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) registered births classified by age of mother and the underlying female population by age through 2001; (b) adjusted for underregistration (of births between 2001-2012). In addition, the births in the household in the preceding 12 (or 24) months classified by age of mother from the 1960, 2011 censuses have been considered.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2015; (b) International estimates used up to 2018. In addition, the indirect estimates from data on children ever born and surviving from the 1960, 1970, 1991, 2011 censuses have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) registered deaths by age and sex available through 2014; (b) International estimates used up to 2017; (c) estimates using LogQuad extended model life tables and estimates of under-five mortality (5q0), adult mortality (45q15) and old age mortality (15q60).

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Register through 2015; (b) intercensal survivorship from successive census age distributions; (c) International estimates used up to 2017.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Argentina

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1947, 1960, 1970, 1980, 1991, 2001, 2010 censuses; (b) official estimates through 2018; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) registered births classified by age of mother and the underlying female population by age through 2016; (b) adjusted for underregistration; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1947, 1960, 1970, 1980, 1991, 2001, 2010 censuses and 2011-2012 MICS; (d) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1947, 1960, 1970, 1980, 1991, 2001, 2010 censuses and 2011-2012 MICS; (e) indirect estimates obtained from the application of the reverse survival method to the 1980, 1991 censuses; (f) International estimates considered up to 2017. In addition, the official estimates of age-specific fertility rates through 2017 have been considered.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2015; (b) adjusted for underregistration; (c) International estimates considered up to 2017. In addition, the indirect estimates from data on children ever born and surviving from the 1970, 1980, 1991, 2001, 2010 censuses have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) registered deaths by age and sex available through 2015; (b) adjusted for underreporting of infant and child deaths; (c) adult deaths adjusted for underregistration using the growth balance method; (d) mortality rates were extrapolated using projection methods; (e) International estimates considered up to 2017; (f) estimates of under-five, adult and old age mortality. In addition, the official estimates through 2010 have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Register through 2015; (b) adjusted for underregistration; (c) recent household deaths adjusted at adult ages for underregistration using the growth balance method; (d) International estimates considered up to 2017.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination (Latin American countries, Spain and United States of America); (b) estimates derived as the differences between overall population growth and natural increase.

Armenia

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1959, 1970, 1979, 1989, 2001, 2011 censuses; (b) official estimates through 2017; (c) adjusted to reflect de-facto population; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) registered births classified by age of mother and the underlying female population by age through 2015; (b) birth-histories data from the 2000, 2005, 2010, 2015 DHS.

Child Mortality: Under-five mortality based on: direct estimates from births and deaths under-five calculated from full birth histories data from the 2000, 2005, 2010, 2015 DHS. In addition, the official estimates of infant and child mortality through 2017 have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2016; (b) adjusted for underregistration; (c) adjusted for underreporting of infant and child deaths.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Aruba

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1960, 1981, 1991, 2000, 2010 censuses; (b) official estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017; (c) adjusted for underregistration. In addition, the births in the household in the preceding 12 (or 24) months classified by age of mother from the 1991 Census have been considered.

Child Mortality: Under-five mortality based on: official estimates of infant and child mortality through 2011.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2010; (b) registered deaths by age and sex available through 2011; (c) estimates of under-five mortality (5q0) by assuming that the age pattern of mortality conforms to the CD West model life tables.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Australia

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1954, 1961, 1966, 1971, 1976, 1981, 1986, 1991, 1996, 2001, 2006, 2011, 2016 censuses; (b) official estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2016; (b) registered births classified by age of mother and the underlying female population by age through 2016.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2015; (b) registered infant and child deaths through 2016.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2015; (b) registered deaths by age and sex available through 2015.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Austria

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1951, 1961, 1971, 1981, 1991, 2001, 2011 censuses; (b) population register through 2017; (c) official estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2016; (b) registered births classified by age of mother and the underlying female population by age through 2017.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2018; (b) registered infant and child deaths through 2017.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2018; (b) registered deaths by age and sex available through 2016; (c) International estimates used up to 2017.

Migration: International migration based on: (a) estimates of migrant flows, and assumed subsequent trends in international migration; (b) estimates derived as the differences between overall population growth and natural increase.

Azerbaijan

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1959, 1970, 1979, 1989, 1999, 2009 censuses; (b) official estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2016; (b) registered births classified by age of mother and the underlying female population by age through 2016; (c) adjusted for underregistration; (d) birth-histories data from the 2001 RHS and 2006 DHS.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 2001 RHS and 2006 DHS; (b) indirect estimates from data on children ever born and surviving from the 1989 Census and 2000 MICS; (c) International estimates considered up to 2017. In addition, the (a) official estimates of infant and child mortality through 2017; (b) registered infant and child deaths through 2017 have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2016; (b) adjusted for underreporting of infant and child deaths; (c) mortality rates for older ages were adjusted.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Bahamas

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1953, 1970, 1980, 1990, 2000, 2010 censuses; (b) official estimates

through 2018; (c) only total population for 1963 Census; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2014; (b) registered births classified by age of mother and the underlying female population by age through 2017.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2014; (b) International estimates used up to 2018.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) registered deaths by age and sex available through 2010; (b) International estimates used up to 2017; (c) estimates using LogQuad extended model life tables and estimates of under-five mortality (5q0), adult mortality (45q15) and old age mortality (15q60). In addition, the (a) official estimates through 2011; (b) registered deaths by age and sex available through 2011; (c) mortality rates for older ages were adjusted have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Register through 2013; (b) intercensal survivorship from successive census age distributions; (c) International estimates used up to 2017.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Bahrain

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1959, 1965, 1971, 1981, 1991, 2001, 2010 censuses; (b) official estimates through 2017; (c) only total population for 1950 Census; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2014; (b) registered births classified by age of mother and the underlying female population by age through 2016; (c) birth-histories data from the 1989 CHS and 1995 FHS; (d) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1971 Census.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2014; (b) adjusted for underregistration; (c) direct estimates from births and deaths under-five calculated from full birth histories data from the 1989 CHS and 1995 FHS; (d) indirect estimates from data on children ever born and surviving from the 1965, 1971, 1981, 1991, 2001, 2010 censuses; (e) recent household deaths from the 1991 Census; (f) International estimates considered up to 2018.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) registered deaths by age and sex available through 2013; (b) adjusted for underreporting of infant and child deaths; (c) mortality rates for older ages were adjusted; (d) mortality rates were extrapolated using projection methods. In addition, the (a) official estimates through 2007; (b) adjusted for underreporting of infant and child deaths; (c) adult deaths adjusted for underregistration using the growth balance method; (d) adult deaths adjusted for underregistration using death distribution methods; (e) mortality rates for older ages were adjusted; (f) mortality rates were extrapolated using projection methods have been considered.
Note: For the period 1950-1980, life tables were derived from estimates of infant and child mortality by assuming that the age pattern of mortality conforms to the South model of the Coale-Demeny Model Life Tables in 1950-1955, and converges over time toward the estimated 1980-1985 life table.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Bangladesh

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1961, 1974, 1981, 1991, 2001, 2011 censuses; (b) population register through 2008 (voter registration for adults aged 18 years or over); (c) 1980-2017 SVRS survey estimates; (d) official estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the 1951 Census have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) birth-histories data from the 1975-1976 WFS and 1980-2017 SVRS and 1988-1989 FS and 1993-1994, 1996-1997, 1999-2000, 2004, 2007, 2011, 2014 DHS and 2001, 2010 DHS Special ; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1961-1962 DSEP and 1962-1965 PGEE and 1985-1986, 1989, 1991 CPS and 2006, 2012-2013 MICS and 2016 BMMS; (c) indirect estimates obtained from the application of the own-children method of fertility estimation to the 1974 RSFM. In addition, the (a) official estimates of age-specific fertility rates through 2013; (b) birth-histories data from the 1962-1965 PGEE and 1989, 1991 CPS and 2003 WHS; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1974 RSFM and 1975-1976 WFS and 1978 DPS and 1980 BLDS and 1983-1984 CPS and 2011 Census; (d) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1961-1962 DSEP and 1974 RSFM and 1980 BLDS; (e) adjusted fertility using Arriaga modified P/F ratio method with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1975-1976 WFS and 1980 BLDS and 1983-1984, 1985-1986, 1989, 1991 CPS and 1988-1989 FS have been considered.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2014; (b) registered infant and child deaths through 2016; (c) direct estimates from births and deaths under-five calculated from full birth histories data from the 1962-1965 PGEE and 1975-1976 WFS and 1980-2016 SVRS and 1988-1989 FS and 1989, 1991 CPS and 1993-1994, 1996-1997, 1999-2000, 2004, 2007, 2011, 2014 DHS and 2001 DHS Special ; (d) indirect estimates from data on children ever born and surviving from the 1974 RSFM and 1979-1980, 1981, 1983-1984, 1985-1986 CPS and 1994 HDS and 2009, 2012-2013 MICS and 2011 Census; (e) recent household deaths from the 1962-1965 PGEE and 1974 RSFM and 2001, 2010 DHS Special and 2011 Census and 2016 BMMS; (f) International estimates used up to 2017.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) registered deaths by age and sex available through 1981-2017 (Sample Vital Registration System); (b) adjusted for underreporting of infant and child deaths; (c) estimates of under-five, adult and old age mortality. In addition, the (a) official estimates through 2014; (b) registered deaths by age and sex available through 2016; (c) registered deaths by age and sex available through 2011; (d) adjusted for underreporting of infant and child deaths; (e) adult deaths adjusted for underregistration using the growth balance method; (f) adult deaths adjusted for underregistration using death distribution methods; (g) mortality rates for older ages were adjusted; (h) mortality rates were extrapolated using projection methods have been considered.
Note: For the period 1970-1975, mortality was adjusted to take into account the excess mortality associated with the 1971 civil war and independence from Pakistan, and the 1974 flood and famine.

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from SVRS through 2017; (b) adjusted for underregistration; (c) recent household deaths data by age and sex from the 1962-1965 PGEE and 1974 RSFM and 2001, 2010 DHS Special and 2011 Census and 2016 BMMS; (d) siblings deaths from the 2001, 2010 DHS Special and 2016 BMMS. In addition, the (a) recent household deaths data by age and sex from the 1975-2016 Matlab HDSS; (b) maternal orphanhood from the 1974 RSFM and 2011 Census; (c) paternal orphanhood from the 1974 RSFM and 2011 Census; (d) indirect estimates of adult mortality based on widowhood data from the 1974 RSFM have been considered.
Note: For the period 1970-1975, mortality was adjusted to take into account the excess mortality associated with the 1971 civil war and independence from Pakistan, and the 1974 flood and famine.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) information on the number of workers receiving clearances to work abroad; (c) estimates derived as the differences between overall population growth and natural increase; (d) UNHCR statistics on the number of refugees in the main countries of asylum.

Barbados

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1960, 1970, 1980, 2000, 2010 censuses; (b) only total population for 1946, 1990 censuses; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the official estimates through 2015 have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) registered births classified by age of mother and the underlying female population by age through 2014; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 2010 Census and 2012 MICS. In addition, the births in the household in the preceding 12 (or 24) months classified by age of mother from the 1960, 1970, 1980 censuses and 1980-1981 CPS have been considered.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2014; (b) International estimates used up to 2018.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) registered deaths by age and sex available through 2014; (b) adjusted for underregistration; (c) mortality rates for older ages were adjusted; (d) International estimates used up to 2017; (e) estimates using LogQuad extended model life tables and estimates of under-five mortality (5q0), adult mortality (45q15) and old age mortality (15q60). In addition, the official estimates through 2007 have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Register through 2014; (b) intercensal survivorship from successive census age distributions; (c) International estimates used up to 2017.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Belarus

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1959, 1970, 1979, 1989, 1999, 2009 censuses; (b) official estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2017; (b) registered infant and child deaths through 2017; (c) adjusted for underregistration.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2016; (b) registered deaths by age and sex available through 2016.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Belgium

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1961, 1970, 1981, 1991, 2001, 2011 censuses; (b) population register

through 2017; (c) official estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017. In addition, the cohort-completed fertility backdated by the mean age of childbearing from the 2011 Estimates and 1841-2017 Register have been considered.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2016; (b) registered infant and child deaths through 2016.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2016; (b) registered deaths by age and sex available through 2015.

Migration: International migration based on: (a) official figures of net international migration flows, and assumed subsequent trends in international migration; (b) estimates derived as the differences between overall population growth and natural increase.

Belize

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1960, 1970, 1980, 1991, 2000, 2010 censuses; (b) official estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the only total population for 1946 Census have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2016; (b) registered births classified by age of mother and the underlying female population by age through 2017; (c) birth-histories data from the 1999 FHS and 2015-2016 MICS; (d) births in the household in the preceding 12 (or 24) months classified by age of mother from the 2011 MICS; (e) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1991 FHS. In addition, the (a) birth-histories data from the 1991 FHS; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1970, 1980, 2000, 2010 censuses have been considered.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2016; (b) direct estimates from births and deaths under-five calculated from full birth histories data from the 1991, 1999 FHS and 2015-2016 MICS; (c) indirect estimates from data on children ever born and surviving from the 1970, 1980, 1991, 2000, 2010 censuses and 2006, 2011 MICS; (d) recent household deaths from the 2010 Census; (e) International estimates used up to 2018.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2010; (b) registered deaths by age and sex available through 2014; (c) International estimates used up to 2017.

Migration: International migration based on: (a) estimates of migrant flows, and assumed subsequent trends in international migration; (b) estimates derived as the differences between overall population growth and natural increase.
Note: Data from CARICOM countries were considered.

Benin

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1979, 1992, 2002 censuses; (b) official estimates through 2016; (c) only total population for 2013 Census; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) birth-histories data from the 1981-1982 WFS and 1996, 2001, 2006, 2011-2012, 2017-2018 DHS and 2014 MICS; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1961 ED and 1992, 2002 censuses; (c) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1961 ED; (d) adjusted fertility using Arriaga modified P/F ratio method with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1992, 2002 censuses. In addition, the births in the household in the preceding 12 (or 24) months classified by age of mother from the 2013 Census have been considered.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 1981-1982 WFS and 1996, 2001, 2006, 2017-2018 DHS and 2014 MICS; (b) indirect estimates from data on children ever born and surviving from the 1961 ED and 1981-1983 EPR and 1992, 2002 censuses; (c) International estimates used up to 2018. In addition, the (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 1981-1983 EPR and 2011-2012 DHS; (b) recent household deaths from the 1961 ED and 1981-1983 EPR and 1992 Census have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2007; (b) International estimates considered up to 2017; (c) estimates using CD North model life tables and estimates of under-five mortality (5q0), and adult mortality (45q15).

Adult and Old Age Mortality: Estimates derived from: (a) siblings deaths from the 1996, 2006 DHS; (b) implied relationship between under-five mortality (5q0) and adult mortality (45q15) based on model life tables relationships. In addition, the (a) recent household deaths data by age and sex from the 1961 ED and 1981-1983 EPR and 1992, 2002, 2013 censuses; (b) maternal orphanhood from the 1981-1983 EPR and 1996, 2001, 2006, 2011-2012 DHS and 2002, 2013 censuses; (c) paternal orphanhood from the 1981-1983 EPR and 1996, 2006 DHS and 2002, 2013 censuses; (d) indirect estimates of adult mortality based on widowhood data from the 1996 DHS have been considered.

Migration: International migration based on: (a) official figures of net international migration flows, and assumed subsequent trends in international migration; (b) information on foreign-born populations from censuses and registers from major countries of destination; (c) estimates derived as the differences between overall population growth and natural increase.

Bermuda
Population: Total population estimated to be consistent with the population of the (a) 1950, 1960, 1970, 1980, 1991, 2000, 2010 censuses; (b) official estimates through 2018; and the assumed subsequent trend in the growth rate of the population.

Bhutan
Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the 2005, 2017 censuses; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the (a) official estimates through 2017; (b) only total population for 1969 Census have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) birth-histories data from the 2012 NHS; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1984 DSS and 1994, 2000 NHS and 2005, 2017 censuses and 2007, 2012 LSS and 2010 MICS; (c) indirect estimates obtained from the application of the reverse survival method to the 2005, 2017 censuses; (d) indirect estimates obtained from the application of the own-children method of fertility estimation to the 2010 MICS; (e) cohort-completed fertility backdated by the mean age of childbearing from the 1984 DSS and 2005, 2017 censuses. In addition, the official estimates of age-specific fertility rates through 2005 have been considered.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 1984 DSS and 1994, 2000, 2012 NHS; (b) indirect estimates from data on children ever born and surviving from the 1984 DSS and 2005 Census and 2010 MICS; (c) recent household deaths from the 1994, 2000 NHS and 2005 Census; (d) International estimates used up to 2018.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) International estimates considered up to 2017; (b) estimates of under-five, adult and old age mortality. In addition, the official estimates through 2007 have been considered.
Note: For 1950-2000, life tables were derived from estimates of infant and child mortality by assuming that the age pattern of mortality conforms to the West model of the Coale-Demeny Model Life Tables in 1950-1955 and converges over time toward the estimated 2000-2005 life table.

Adult and Old Age Mortality: Estimates derived from: (a) recent household deaths data by age and sex from the 2005, 2017 censuses; (b) recent household deaths adjusted at adult ages for underregistration using death distribution methods; (c) implied relationship between under-five mortality (5q0) and adult mortality (45q15) based on model life tables relationships. In addition, the recent household deaths data by age and sex from the 1994 NHS have been considered.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Bolivia (Plurinational State of)

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1950, 1976, 1992, 2001 censuses; (b) adjusted censuses for underenumeration; (c) official estimates through 2018; (d) only total population for 2012 Census; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2011; (b) birth-histories data from the 1989, 1994, 1998, 2003, 2008, 2016 DHS; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1975, 1980 EDN and 1976, 1992, 2001, 2012 censuses; (d) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1975, 1980 EDN and 1976, 1992, 2001, 2012 censuses; (e) indirect estimates obtained from the application of the reverse survival method to the 1988 ENPV and 1992, 2001 censuses; (f) indirect estimates obtained from the application of the own-children method of fertility estimation to the 1975, 1980 EDN and 1976 Census; (g) International estimates considered up to 2017.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 1989, 1994, 1998, 2003, 2008 DHS; (b) indirect estimates from data on children ever born and surviving from the 1975, 1980 EDN and 1976, 1992, 2001, 2012 censuses and 1988 ENPV and 2000 MICS; (c) recent household deaths from the 1980 EDN; (d) International estimates considered up to 2018. In addition, the (a) indirect estimates from data on children ever born and surviving from the 1989, 1994, 1998 DHS; (b) recent household deaths from the 1992, 2001, 2012 censuses have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) adjusted for underreporting of infant and child deaths; (b) adult deaths adjusted for underregistration using the growth balance method; (c) mortality rates were extrapolated using projection methods; (d) International estimates considered up to 2017; (e) estimates of under-five, adult and old age mortality. In addition, the official estimates through 2017 have been considered.
Note: Orphanhood and widowhood methods applied to the EDN 1975,1980 and ENPV 1988.

Adult and Old Age Mortality: Estimates derived from: (a) recent household deaths data by age and sex from the 1992, 2001, 2012 censuses; (b) recent household deaths adjusted at adult ages for underregistration using the growth balance method; (c) maternal orphanhood from the 1988 ENPV; (d) International estimates considered up to 2017.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination (Latin American countries, Spain and United States of America); (b) estimates derived as the differences between overall population growth and natural increase.

Bonaire, Sint Eustatius and Saba

Population: Total population estimated to be consistent with the population of the (a) 1960, 1972, 1981, 1992, 2001, 2011 censuses; (b) official estimates through 2016; and the assumed subsequent trend in the growth rate of the population.

Bosnia and Herzegovina

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1971, 1981, 1991, 2013 censuses; (b) adjusted censuses for underenumeration; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 2011-2012 MICS; (d) indirect estimates obtained from the application of the reverse survival method to the 2011-2012 MICS.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2015; (b) registered infant and child deaths through 2015.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2014; (b) registered deaths by age and sex available through 2014; (c) International estimates used up to 2017.
Note: The estimates of war-related deaths in the period 1992-1995 were also considered

Migration: International migration based on: (a) estimates of migrant flows, and assumed subsequent trends in international migration; (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Botswana

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1964, 1971, 1981, 1991, 2001, 2011 censuses; (b) official estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2011; (b) birth-histories data from the 1988 DHS and 2007 FHS-MICS; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1971, 1981, 1991, 2001, 2011 censuses and 1984 FHS (CPS) and 1987, 2006, 2017 BDS; (d) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1971 Census. In addition, the adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1981, 1991 censuses have been considered.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 1988 DHS and 1996 FHS and 2007 FHS-MICS; (b) indirect estimates from data on children ever born and surviving from the 1971, 1981, 1991, 2001, 2011 censuses and 1984 FHS (CPS) and 1998, 2006, 2017 BDS and 2000 MICS; (c) recent household deaths from the 1981, 1991, 2001, 2011 censuses and 1998, 2006, 2017 BDS and 2007 FHS-MICS; (d) International estimates used up to 2018.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2016; (b) International estimates considered up to 2017; (c) The demographic impact of AIDS has been factored into the mortality estimates; (d) estimates using HIV/AIDS model life tables and estimates of under-five mortality (5q0) and adult mortality (45q15) with UNAIDS estimates of adult HIV prevalence, and ART coverage for children and adults.

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Register through 2016; (b) recent household deaths data by age and sex from the 1981, 1991, 2001, 2011 censuses and 1998, 2006, 2017 BDS; (c) International estimates considered up to 2017. In addition, the (a) maternal orphanhood from the 1971, 2001, 2011 censuses; (b) paternal orphanhood from the 1971, 2001, 2011 censuses have been considered.

Migration: International migration based on: (a) official figures of net international migration flows, and assumed subsequent trends in international migration; (b) information on the number of migrant workers or about labor migration in South Africa; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Brazil

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1950, 1960, 1970, 1980, 1991, 1996, 2000, 2010 censuses; (b) adjusted censuses for underenumeration; (c) official estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2016; (b) registered births classified by age of mother and the underlying female population by age through 2016; (c) adjusted for underregistration; (d) birth-histories data from the 1986 FP-MCH DHS and 1996 DHS and 2006-2007 PNDS; (e) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1950, 1960, 1970, 1980, 1991, 2000, 2010 censuses and 1973, 1976, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1992, 1993, 1995, 1996, 1997, 1998, 1999, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009 Annual PNAD; (f) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1970, 1980, 1991, 2000, 2010 censuses and 1973, 1976, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1992, 1993, 1995, 1996, 1997, 1998, 1999, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009 Annual PNAD; (g) adjusted fertility using Arriaga modified P/F ratio method with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1950, 1960 censuses; (h) indirect estimates obtained from the application of the reverse survival method to the 1970, 1991 censuses; (i) indirect estimates obtained from the application of the own-children method of fertility estimation to the 1960 Census and 1976 Annual PNAD; (j) International estimates considered up to 2017.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2016; (b) adjusted for underregistration; (c) direct estimates from births and deaths under-five calculated from full birth histories data from the 1986 FP-MCH DHS and 1986 Annual PNAD and 1996 DHS and 2006-2007 PNDS; (d) indirect estimates from data on children ever born and surviving from the 1950, 1960, 1970, 1980, 1991, 2000, 2010 censuses and 1972, 1973, 1976, 1977, 1978, 1984, 1986, 1989, 1990, 1992, 1993, 1995, 1996, 1997, 1998, 1999, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2011, 2012, 2013, 2014, 2015 Annual PNAD; (e) International estimates considered up to 2017. In addition, the (a) indirect estimates from data on children ever born and surviving from the 1986 FP-MCH DHS and

1996 DHS and 2006-2007 PNDS; (b) recent household deaths from the 2010 Census have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) registered deaths by age and sex available through 2017; (b) adjusted for underregistration; (c) adjusted for underreporting of infant and child deaths; (d) adult deaths adjusted for underregistration using the growth balance method; (e) mortality rates were extrapolated using projection methods; (f) International estimates considered up to 2017; (g) estimates of under-five, adult and old age mortality. In addition, the official estimates through 2017 have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Register through 2016; (b) adjusted for underregistration; (c) recent household deaths data by age and sex from the 1980, 2010 censuses; (d) recent household deaths adjusted at adult ages for underregistration using the growth balance method; (e) International estimates considered up to 2017.

Migration: International migration based on: (a) official figures of net international migration flows, and assumed subsequent trends in international migration; (b) information on foreign-born populations from censuses and registers from major countries of destination; (c) estimates derived as the differences between overall population growth and natural increase; (d) UNHCR statistics on the number of refugees in the main countries of asylum.

British Virgin Islands

Population: Total population estimated to be consistent with the population of the (a) 1960, 1970, 1980, 1991, 2001, 2010 censuses; (b) official estimates through 2015; and the assumed subsequent trend in the growth rate of the population.

Brunei Darussalam

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1960, 1971, 1981, 1991, 2001, 2011 censuses; (b) official estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the 1947 Census have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: official estimates of age-specific fertility rates through 2016.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2016; (b) International estimates used up to 2018.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) registered deaths by age and sex available through 2016; (b) adjusted for underregistration; (c) International estimates used up to 2017; (d) estimates using LogQuad extended model life tables and estimates of under-five mortality (5q0), adult mortality (45q15) and old age mortality (15q60). In addition, the official estimates through 2007 have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Register through 2015; (b) intercensal survivorship from successive census age distributions; (c) implied relationship between under-five mortality (5q0) and adult mortality (45q15) based on model life tables relationships; (d) International estimates used up to 2017.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Bulgaria

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1946, 1956, 1965, 1975, 1985, 1992, 2001, 2011 censuses; (b) official

estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2016; (b) registered births classified by age of mother and the underlying female population by age through 2017.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2015; (b) registered infant and child deaths through 2017; (c) International estimates used up to 2017.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2015; (b) registered deaths by age and sex available through 1947-2017; (c) International estimates used up to 2017.

Migration: International migration based on: (a) official figures of net international migration flows, and assumed subsequent trends in international migration; (b) estimates derived as the differences between overall population growth and natural increase.

Burkina Faso

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1975, 1985, 1996, 2006 censuses; (b) adjusted censuses for underenumeration; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the (a) official estimates through 2015; (b) only total population for 1960-1961 ED have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2016; (b) birth-histories data from the 1993, 1998-1999, 2003 DHS and 2010 DHS-MICS and 2017 MIS; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1960-1961, 1991 ED and 1976 PES and 1985, 1996, 2006 censuses and 2006 MICS; (d) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 2006 Census; (e) indirect estimates obtained from the application of the own-children method of fertility estimation to the 2006 MICS; (f) cohort-completed fertility backdated by the mean age of childbearing from the 1960-1961, 1991 ED and 1976 PES and 1985, 1996, 2006 censuses and 2006 MICS. In addition, the (a) official estimates of age-specific fertility rates through 2006; (b) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1960-1961, 1991 ED and 1976 PES and 1985, 1996 censuses and 2006 MICS; (c) indirect estimates obtained from the application of the own-children method of fertility estimation to the 2003 WHS; (d) cohort-completed fertility backdated by the mean age of childbearing from the 2006 Estimates and 1993, 1998-1999, 2003 DHS and 2003 WHS and 2010 DHS-MICS have been considered.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 1993, 1998-1999, 2003 DHS and 2010 DHS-MICS and 2015 EMC-MDS and 2017 MIS; (b) indirect estimates from data on children ever born and surviving from the 1960-1961, 1991 ED and 1975, 1985, 1996, 2006 censuses and 1976 Lobi-Dagara survey and 1976 PES and 2006 MICS and 2014 MIS; (c) recent household deaths from the 1960-1961, 1991 ED and 1975, 1985, 1996, 2006 censuses and 2008 GFFS; (d) International estimates used up to 2018.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: estimates using CD South model life tables and estimates of infant and under-five mortality (5q0), and adult mortality (45q15). In addition, the official estimates through 2007 have been considered.
Note: The age patterns of mortality is based on the North model of the Coale-Demeny Model Life Tables in 1950-1955 and is assumed to converge over time toward the South model of the Coale-Demeny Model Life Tables by the 1990s.

Adult and Old Age Mortality: Estimates derived from: (a) recent household deaths data by age and sex from the 1960-1961, 1991 ED and 1975, 1985, 1996, 2006 censuses and 2008 GFFS; (b) recent household deaths adjusted at adult ages for underregistration using the growth balance method; (c) recent household deaths adjusted at adult ages for underregistration using death distribution methods; (d) siblings deaths from the 1998-1999, 2003 DHS and 2010 DHS-MICS; (e) maternal orphanhood from the 1993, 2003 DHS and 2006 Census and 2006 MICS and 2010 DHS-MICS; (f) paternal orphanhood from the 2003 DHS and 2006 Census and 2010 DHS-MICS; (g) intercensal survivorship from successive census age distributions; (h) International estimates considered up to 2017. In addition, the (a) recent household deaths adjusted at adult ages for underregistration using the growth balance method; (b) recent household deaths adjusted at adult ages for underregistration using death distribution methods; (c) siblings deaths from the 2007 Estimates; (d) maternal orphanhood from the 2007 Estimates; (e) paternal orphanhood from the 2007 Estimates; (f) indirect estimates of adult mortality based on widowhood data from the 2007 Estimates and 2003 DHS; (g) implied relationship between under-five mortality (5q0) and adult mortality (45q15) based on model life tables relationships have been considered.
Note: The relationship between child mortality and adult mortality is based on the North model of the Coale-Demeny Model Life Tables in 1950-1955, and is assumed to converge over time toward the South model of the Coale-Demeny Model Life Tables by the 1990s.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Burundi

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the 1965 PS and 1979, 1990, 2008 censuses; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the official estimates through 2018 have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) birth-histories data from the 1987, 2010, 2016 DHS and 2002 Survey and 2012 MIS; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1965 PS and 1980-1981 PES and 1990, 2008 censuses; (d) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1970-1971 DS and 2008 Census; (e) indirect estimates obtained from the application of the reverse survival method to the 1979, 1990, 2008 censuses and 2000 MICS; (f) indirect estimates obtained from the application of the own-children method of fertility estimation to the 2005 MICS; (g) cohort-completed fertility backdated by the mean age of childbearing from the 1987 DHS and 2008 Census.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2008; (b) direct estimates from births and deaths under-five calculated from full birth histories data from the 1987, 2010, 2016 DHS and 2002 Survey and 2012 MIS; (c) indirect estimates from data on children ever born and surviving from the 1970-1971 DS and 1979, 1990, 2008 censuses and 1980-1981 PES and 1998-1999 EP and 2000, 2005 MICS; (d) recent household deaths from the 1965 PS and 1970-1971 DS and 1979, 2008 censuses and 2002 Survey; (e) International estimates used up to 2018.
Note: A 1990-1995 life table accounting for the high number of deaths due to the 1993 civil war was also used.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: estimates using CD North model life tables and estimates of under-five mortality (5q0), and adult mortality (45q15). In addition, the official estimates through 2007 have been considered.
Note: The age pattern of mortality conforms to the North model of the Coale-Demeny model life tables, and taking into account the number of deaths due to civil strife.

Adult and Old Age Mortality: Estimates derived from: (a) siblings deaths from the 2010, 2016 DHS; (b) implied relationship between under-five mortality (5q0) and adult mortality (45q15) based on model life tables relationships; (c) International estimates considered up to 2017. In addition, the recent household deaths data by age and sex from the 1965 PS and 1970-1971 DS and 2008 Census have been considered.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Cabo Verde

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the 1950, 1960, 1970, 1980, 1990, 2000, 2010 censuses; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the official estimates through 2017 have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2014; (b) registered births classified by age of mother and the underlying female population by age through 2014; (c) birth-histories data from the 1998, 2005 DHS-RHS; (d) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1980, 1990, 2000, 2010 censuses. In addition, the (a) official estimates of age-specific fertility rates through 1990; (b) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1980, 1990, 2000, 2010 censuses have been considered.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2016; (b) direct estimates from births and deaths under-five calculated from full birth histories data from the 1998, 2005 DHS-RHS; (c) indirect estimates from data on children ever born and surviving from the 1960, 1970, 1980, 2000, 2010 censuses; (d) International estimates used up to 2017. In addition, the (a) official estimates of infant and child mortality through 2016; (b) registered infant and child deaths through 2007; (c) recent household deaths from the 2000, 2010 censuses have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2007; (b) registered deaths by age and sex available through 1990; (c) International estimates used up to 2017; (d) estimates using LogQuad model life tables and estimates of under-five mortality (5q0), and adult mortality (45q15). In addition, the official estimates through 2010 have been considered.

Adult and Old Age Mortality: Estimates derived from: deaths by age and sex available from Register through 2012. In addition, the (a) recent household deaths data by age and sex from the 1970, 1980, 2000, 2010 censuses; (b) maternal orphanhood from the 2005 DHS-RHS and 2010 Census; (c) paternal orphanhood from the 2010 Census have been considered.

Migration: International migration based on: (a) official figures of net international migration flows, and assumed subsequent trends in international migration; (b) estimates derived as the differences between overall population growth and natural increase.

Cambodia

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1962, 1998, 2008 censuses; (b) adjusted censuses for underenumeration; (c) 2004, 2013 ICPS survey estimates; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the (a) official estimates through 2015; (b) only total population for 1996 Survey have been considered.
Note: The 1992 voter registration by the UN Transitional Authority was also used to estimate the total population.

Fertility: Total fertility rate and age pattern of fertility based on: (a) birth-histories data from the 1998 DHS-NS and 2000, 2005, 2010, 2014 DHS; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1962, 1998, 2008 censuses and 1995 KAP and 1996 Survey and 2004 ICPS; (c) adjusted fertility using synthetic relational Gompertz model with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 2013 ICPS; (d) indirect estimates obtained from the application of the own-children method of fertility estimation to the 1998, 2008 censuses and 2003-2004 SES and 2004 ICPS; (e) cohort-completed fertility backdated by the mean age of childbearing from the 1996 Survey and 1998, 2008 censuses and 1998 DHS-NS and 2000, 2005, 2010, 2014 DHS and 2013 ICPS. In addition, the (a) official estimates of age-specific fertility rates through 2008; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 2013 ICPS have been considered.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 1959; (b) adjusted for underregistration; (c) direct estimates from births and deaths under-five calculated from full birth histories data from the 1998 DHS-NS and 2000, 2005, 2010, 2014 DHS; (d) indirect estimates from data on children ever born and surviving from the 1962, 1998, 2008 censuses and 1996 Survey and 1999 RAMOS and 2003-2004 SES and 2004 ICPS; (e) recent household deaths from the 1959, 1996 Survey and 1996 SES and 2004 ICPS and 2008 Census; (f) International estimates used up to 2018.
Note: The demographic impact of the Khmer Rouges period is based on the 1962-1998 population reconstructions.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: estimates of under-five, adult and old age mortality. In addition, the official estimates through 2007 have been considered.
Note: The demographic impact of the Khmer Rouges period is based on the 1962-1998 population reconstructions.

Adult and Old Age Mortality: Estimates derived from: (a) recent household deaths data by age and sex from the 1959 Survey and 1997 SES and 2004 ICPS and 2008 Census; (b) recent household deaths adjusted at adult ages for underregistration using death distribution methods; (c) siblings deaths from the 2000, 2005, 2010, 2014 DHS. In addition, the (a) deaths by age and sex available from Estimates through 2007 and ICPS through 2013; (b) implied relationship between under-five mortality (5q0) and adult mortality (45q15) based on model life tables relationships have been considered.
Note: The demographic impact of the Khmer Rouges period is based on the 1962-1998 population reconstructions. 1950-1955 life tables derived from estimates of child mortality were used, by assuming that the age pattern of mortality conforms to the West model of the Coale-Demeny Model Life Tables, as well as recent household deaths data from the 1959 rural survey, and the 1962-1998 population reconstructions.

Migration: International migration based on: (a) estimates of migrant flows, and assumed subsequent trends in international migration; (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Cameroon

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1976, 1987, 2005 censuses; (b) adjusted censuses for underenumeration; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the official estimates through 2017 have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) birth-histories data from the 1978 WFS and 1991, 1998, 2004 DHS and 2011 DHS-MICS and 2014 MICS; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1960-1965 ED and 2005 Census; (c) indirect estimates obtained from the application of the reverse survival method to the 1976, 1987, 2005 censuses and 2000, 2014 MICS and 2011 DHS-MICS; (d) indirect estimates obtained from the application of the own-children method of fertility estimation to the 2006 MICS. In addition, the (a) births in the

household in the preceding 12 (or 24) months classified by age of mother from the 1976, 1987 censuses; (b) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1976 Census; (c) cohort-completed fertility backdated by the mean age of childbearing from the 1978 WFS and 2005 Census have been considered.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 1978 WFS and 1991, 1998, 2004 DHS and 2011 DHS-MICS and 2014 MICS; (b) indirect estimates from data on children ever born and surviving from the 1960-1965 ED and 2000 MICS and 2005 Census; (c) recent household deaths from the 1960-1965 ED and 1976, 1987, 2005 censuses and 1978 WFS; (d) International estimates used up to 2018.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) International estimates considered up to 2017; (b) The demographic impact of AIDS has been factored into the mortality estimates; (c) estimates using HIV/AIDS model life tables and estimates of under-five mortality (5q0), and adult mortality (45q15). In addition, the official estimates through 2007 have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) recent household deaths data by age and sex from the 1987 Census; (b) recent household deaths adjusted at adult ages for underregistration using the growth balance method; (c) recent household deaths adjusted at adult ages for underregistration using death distribution methods; (d) siblings deaths from the 1998, 2004 DHS and 2011 DHS-MICS; (e) International estimates considered up to 2017. In addition, the recent household deaths data by age and sex from the 1976, 2005 censuses have been considered.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Canada

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1951, 1956, 1961, 1966, 1971, 1976, 1981, 1986, 1991, 1996, 2001, 2006, 2011, 2016 censuses; (b) official estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2012; (b) registered infant and child deaths through 2017; (c) International estimates used up to 2018.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2016; (b) registered deaths by age and sex available through 2016; (c) International estimates used up to 2017.

Migration: International migration based on: (a) official figures of net international migration flows, and assumed subsequent trends in international migration; (b) estimates derived as the differences between overall population growth and natural increase.

Cayman Islands

Population: Total population estimated to be consistent with the population of the (a) 1960, 1970, 1979, 1989, 1999, 2010 censuses; (b) official estimates through 2017; and the assumed subsequent trend in the growth rate of the population.

Central African Republic

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1959-1960 Survey and 1975, 1988, 2003 censuses; (b) adjusted censuses for underenumeration; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) birth-histories data from the 1994-1995 DHS; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1959-1960 Survey and 1975, 1988, 2003 censuses and 2000, 2006, 2010 MICS; (c) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1975, 1988, 2003 censuses; (d) cohort-completed fertility backdated by the mean age of childbearing from the 1994-1995 DHS and 2003 Census. In addition, the cohort-completed fertility backdated by the mean age of childbearing from the 1975, 1988 censuses and 2006, 2010 MICS have been considered.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 1994-1995 DHS; (b) indirect estimates from data on children ever born and surviving from the 1975, 1988, 2003 censuses and 2000, 2006, 2010 MICS; (c) recent household deaths from the 1959-1960 Survey and 1988, 2003 censuses; (d) International estimates used up to 2018.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) International estimates considered up to 2017; (b) The demographic impact of AIDS has been factored into the mortality estimates; (c) estimates using HIV/AIDS model life tables and estimates of under-five mortality ($5q0$), and adult mortality ($45q15$). In addition, the official estimates through 2007 have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) recent household deaths data by age and sex from the 1988, 2003 censuses; (b) recent household deaths adjusted at adult ages for underregistration using death distribution methods; (c) siblings deaths from the 1994-1995 DHS; (d) maternal orphanhood from the 1988, 2003 censuses and 1994-1995 DHS; (e) paternal orphanhood from the 1988, 2003 censuses and 1994-1995 DHS; (f) intercensal survivorship from successive census age distributions; (g) International estimates considered up to 2017.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Chad

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1993, 2009 censuses; (b) official estimates through 2004; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) birth-histories data from the 1996-1997, 2004 DHS and 2010 MICS and 2014-2015 DHS-MICS; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1963-1964 PS and 1993, 2009 censuses; (c) adjusted fertility using Arriaga modified P/F ratio method with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1993 Census; (d) indirect estimates obtained from the application of the reverse survival method to the 1993, 2009 censuses; (e) cohort-completed fertility backdated by the mean age of childbearing from the 1993 Census. In addition, the (a) indirect estimates obtained from the application of the reverse survival method to the 1963-1964 PS and 2000 MICS and 2003 WHS; (b) cohort-completed fertility backdated by the mean age of childbearing from the 2009 Census and 2014-2015 DHS-MICS have been considered.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 1996-1997, 2004 DHS and 2014-2015 DHS-MICS; (b) indirect estimates from data on children ever born and surviving from the 1963-1964 PS and 1993, 2009 censuses and 2000, 2010 MICS; (c) recent household deaths from the 1963-1964 PS and 1993, 2009 censuses; (d) International estimates used up to 2018.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: estimates using CD North model life tables and estimates of under-five mortality (5q0), and adult mortality (45q15). In addition, the official estimates through 2007 have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) siblings deaths from the 1996-1997, 2004 DHS and 2014-2015 DHS-MICS; (b) International estimates used up to 2017. In addition, the (a) recent household deaths data by age and sex from the 1963-1964 PS and 1993, 2009 censuses; (b) maternal orphanhood from the 1963-1964 PS; (c) paternal orphanhood from the 1963-1964 PS have been considered.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Channel Islands

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1951, 1961, 1971, 1976, 1981, 1986, 1991, 1996, 2001, 2009, 2011 (Jersey), 2015 (Guernsey) censuses; (b) official estimates through 1950-2017; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: registered births classified by age of mother and the underlying female population by age through 2017.

Child Mortality: Under-five mortality based on: registered infant and child deaths through 2017.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) registered deaths by age and sex available through 2017; (b) estimates of life expectancy at birth by assuming that the age pattern of mortality conforms to the CD West model life tables.

Migration: International migration based on: (a) official figures of net international migration flows, and assumed subsequent trends in international migration; (b) estimates derived as the differences between overall population growth and natural increase.

Chile

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1952, 1960, 1970, 1982, 1992, 2002, 2017 censuses; (b) adjusted censuses for underenumeration; (c) official estimates through 2018; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) registered births classified by age of mother and the underlying female population by age through 2016; (b) adjusted for underregistration; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1952, 1960, 1970, 1982, 1992, 2002, 2017 censuses; (d) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1952, 1960, 1970, 1982, 1992, 2002, 2017 censuses; (e) indirect estimates obtained from the application of the own-children method of fertility estimation to the 1970, 1982 censuses; (f) International estimates considered up to 2017. In addition, the official estimates of age-specific fertility rates through 2015 have been considered.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2015; (b) adjusted for underregistration; (c) indirect estimates from data on children ever born and surviving from the 1952, 1960, 1970, 1982, 1992, 2002, 2017 censuses; (d) International estimates considered up to 2018.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) registered deaths by age and sex available through 2015; (b) adjusted for underreporting of infant and child deaths; (c) adult deaths adjusted for underregistration using the growth balance method; (d) mortality rates were extrapolated using projection methods; (e) International estimates considered up to 2017; (f) estimates of under-five, adult and old age mortality. In addition, the official estimates through 2007 have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Register through 2015; (b) adjusted for underregistration; (c) International estimates considered up to 2017.

Migration: International migration based on: (a) official figures of net international migration flows, and assumed subsequent trends in international migration; (b) information on foreign-born populations from censuses and registers from major countries of destination (Latin American countries, Spain and United States of America); (c) estimates derived as the differences between overall population growth and natural increase; (d) UNHCR statistics on the number of refugees in the main countries of asylum.

China

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1953, 1982, 1990, 2000, 2010 censuses; (b) adjusted censuses for underenumeration; (c) adjusted to reflect de-facto population; (d) only total population for 1964 Census; (e) International estimates considered up to 2017; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the adjusted census for underenumeration have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) birth-histories data from the 1982 One-per-Thousand FS and 1988 Two-per-Thousand FS and 1992 Fertility Survey and 1997, 2001 FPRHS; (c) period parity progression ratios based on data on women and births in the preceding 12 months, both classified by age of mother and parity, from the 2006 FPRHS; (d) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1982, 1990 censuses and 1982 One-per-Thousand FS and 1988 Two-per-Thousand FS and 1992 Fertility Survey and 1995 One-percent Survey and 1997 FPRHS and 2017 NFS; (e) indirect estimates obtained using Mortara's method with data on children ever born by age of mother from the 2010 Census; (f) indirect estimates obtained from the application of the reverse survival method to the 1982, 1990, 2000, 2010 censuses and 1986-2017 Register (from education enrollments); (g) International estimates considered up to 2017. In addition, the (a) registered births classified by age of mother and the underlying female population by age through 1990-2017 (Hospital births and immunization); (b) birth-histories data from the 1985, 1987 IDFS and 1987 One-per-Hundred Survey and 1990 Two-per-Thousand FS and 2003 WHS and 2005 One-percent Survey and 2010 Census; (c) period parity progression ratios based on data on women and births in the preceding 12 months, both classified by age of mother and parity, from the 1992 Fertility Survey and 2000 Census; (d) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1987 One-per-Hundred Survey and 1990 Two-per-Thousand FS and 1991, 1992, 1993, 1994, 1996, 1997, 1998, 1999, 2001, 2002, 2003, 2004, 2006, 2007, 2008, 2009, 2011, 2012, 2013, 2014, 2016, 2017 Annual APC and 2000 Census and 2005 One-percent Survey; (e) indirect estimates obtained using Mortara's method with data on children ever born by age of mother from the 1998, 2002, 2008-2009, 2011-2012 CLHLS; (f) indirect estimates obtained from the application of the reverse survival method to the 2006 Estimates; (g) indirect estimates obtained from the application of the own-children method of fertility estimation to the 1987 One-per-Hundred Survey and 1988 Two-per-Thousand FS; (h) indirect estimates obtained from reconstructed birth histories data from the 1987 One-per-Hundred Survey and 1988 Two-per-Thousand FS and 1990, 2000 censuses have been considered.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2016; (b) registered infant and child deaths through 2017; (c) direct estimates from births and deaths under-five calculated from full birth histories data from the 1988 Two-per-Thousand FS and 1992 Fertility Survey; (d) indirect estimates from data on children ever born and surviving from the 1982, 1990, 2000, 2010 censuses and 1982 One-per-Thousand FS and 1987 IDFS and 1987 One-per-Hundred Survey and 1993 CHNS and 1995 One-percent Survey and 2006-2008 NRSCD; (e) recent household deaths from the 2007 Estimates and 1973-1975 Cancer Survey and 1982, 1990 censuses and 1987 IDFS and 1987 One-per-Hundred Survey and 1988 Two-per-Thousand FS and 1991 NSCM and 1992 Fertility Survey and 1995, 2005 One-percent Survey and 2004-2005, 2006-2008 NRSCD; (f) International estimates used up to 2017. In addition, the (a) official estimates of infant and child mortality through 2017; (b) indirect estimates from data on children ever born and surviving from the 1983 Two-per-Thousand FS and 1997 FPRHS; (c) recent household deaths from the 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1996, 1997, 1998, 1999, 2001, 2002, 2003, 2004, 2006, 2007, 2008, 2009, 2011, 2012, 2013, 2014, 2015, 2016, 2017 Annual APC and 2000, 2010 censuses have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2010; (b) registered deaths by age and sex available through 2010; (c) adjusted for underregistration; (d) mortality rates for older ages were adjusted; (e) International estimates considered up to 2017; (f) estimates of under-five, adult and old age mortality.

Adult and Old Age Mortality: Estimates derived from: (a) adjusted for underregistration; (b) recent household deaths data by age and sex from the 1973-1975 Cancer Survey and 1982, 1990, 2000, 2010 censuses (adjusted for undercounts of death). In addition, the recent household deaths data by age and sex from the 1991, 1992, 1993, 1994, 1996, 1997, 1998, 1999, 2001, 2002, 2003, 2004, 2006, 2007, 2008, 2009, 2011, 2012, 2013, 2014, 2016 Annual APC and 2004-2005 NRSCD and 2005 One-percent Survey and 1998-2014 CLHLS (for old age mortality) have been considered.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) estimates derived as the differences between overall population growth and natural increase.

China, Hong Kong SAR

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1961, 1971, 1981, 1986, 1991, 1996, 2001, 2006, 2011, 2016 censuses; (b) official estimates through 2017; (c) only total population for 1966 Census; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the official estimates through 1966 have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2017; (b) registered infant and child deaths through 2017.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2015; (b) registered deaths by age and sex available through 2017.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

China, Macao SAR

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1950, 1960, 1970, 1981, 1991, 2001, 2006, 2011, 2016 censuses; (b) official estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017.

Child Mortality: Under-five mortality based on: registered infant and child deaths through 2017.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2017; (b) registered deaths by age and sex available through 2015.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

China, Taiwan Province of China

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1956, 1980, 1990, 2000, 2010 censuses and 1970, 1975 Survey; (b) official estimates through 2018; (c) only total population for 1966 Census; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017. In addition, the official estimates of age-specific fertility rates through 1956 have been considered.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2017; (b) registered infant and child deaths through 2017.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2017; (b) registered deaths by age and sex available through 2014 (Human Mortality Database).

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Colombia

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1951, 1964, 1973, 1985, 1993, 2005 censuses; (b) adjusted censuses for underenumeration; (c) official estimates through 2018; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) registered births classified by age of mother and the underlying female population by age through 2016; (b) adjusted for underregistration; (c) birth-histories data from the 1986, 1990, 1995, 2000, 2005, 2010, 2015 DHS; (d) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1969 ENF and 1973, 1985, 1993, 2005 censuses and 1976 WFS and 1978, 1980 CPS and 1978 ENH; (e) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1969 ENF and 1973, 1985, 1993, 2005 censuses and 1976 WFS and 1978, 1980 CPS and 1978 ENH; (f) indirect estimates obtained from the application of the reverse survival method to the 1993 Census; (g) indirect estimates obtained from the application of the own-children method of fertility estimation to the 1973 Census and 1976 WFS and 1978, 1980 ENH;

(h) International estimates considered up to 2017. In addition, the official estimates of age-specific fertility rates through 2017 have been considered.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2016; (b) adjusted for underregistration; (c) direct estimates from births and deaths under-five calculated from full birth histories data from the 1976 WFS and 1986, 1990, 1995, 2000, 2005, 2010, 2015 DHS; (d) indirect estimates from data on children ever born and surviving from the 1969 ENF and 1973, 1985, 2005 censuses and 1978, 1980 ENH; (e) International estimates considered up to 2017. In addition, the recent household deaths from the 2005 Census have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) registered deaths by age and sex available through 2015; (b) adjusted for underregistration; (c) adjusted for underreporting of infant and child deaths; (d) adult deaths adjusted for underregistration using the growth balance method; (e) mortality rates were extrapolated using projection methods; (f) International estimates considered up to 2017; (g) estimates of under-five, adult and old age mortality. In addition, the official estimates through 2007 have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Register through 2015; (b) adjusted for underregistration; (c) recent household deaths data by age and sex from the 2005 Census; (d) recent household deaths adjusted at adult ages for underregistration using the growth balance method; (e) maternal orphanhood from the 1978 ENH and 1985 Census; (f) indirect estimates of adult mortality based on widowhood data from the 1978 ENH; (g) International estimates considered up to 2017.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination (Latin American countries, Spain and United States of America); (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Comoros

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1958, 1966, 1980, 1991, 2003 censuses; (b) adjusted censuses for underenumeration; (c) only total population for 2017 Census; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) birth-histories data from the 1996 DHS and 2012 DHS-MICS; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1966, 1980, 1991, 2003 censuses; (c) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1966, 1980, 1991 censuses.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 1996 DHS and 2012 DHS-MICS; (b) indirect estimates from data on children ever born and surviving from the 1958, 1966, 1980, 1991 censuses and 2000 MICS; (c) recent household deaths from the 1958, 1980, 1991, 2003 censuses; (d) International estimates used up to 2018.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: estimates of under-five mortality (5q0) by assuming that the age pattern of mortality conforms to the CD West model life tables. In addition, the official estimates through 2007 have been considered.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) estimates derived as the differences between overall population growth and natural increase.

Congo

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1974, 1984, 2007 censuses; (b) adjusted censuses for underenumeration; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the (a) official estimates through 2017; (b) only total population for 1996 Census have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) birth-histories data from the 2005, 2011-2012 DHS and 2014-2015 MICS; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1974, 1984, 2007 censuses; (c) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1974, 1984 censuses. In addition, the (a) birth-histories data from the 2003 WHS; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1960-1961 DS; (c) indirect estimates obtained from the application of the reverse survival method to the 2007 Census; (d) cohort-completed fertility backdated by the mean age of childbearing from the 1974, 1984 censuses have been considered.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 2005, 2011-2012 DHS and 2009 AIS and 2014-2015 MICS; (b) indirect estimates from data on children ever born and surviving from the 1974, 2007 censuses; (c) recent household deaths from the 1974, 1984, 2007 censuses; (d) International estimates used up to 2018.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) International estimates considered up to 2017; (b) The demographic impact of AIDS has been factored into the mortality estimates; (c) estimates using HIV/AIDS model life tables and estimates of under-five mortality ($5q0$) and adult mortality ($45q15$) with UNAIDS estimates of adult HIV prevalence, and ART coverage for children and adults. In addition, the (a) official estimates through 2007; (b) adjusted for underreporting of infant and child deaths; (c) adult deaths adjusted for underregistration using the growth balance method; (d) adult deaths adjusted for underregistration using death distribution methods; (e) mortality rates for older ages were adjusted; (f) mortality rates were extrapolated using projection methods have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) recent household deaths adjusted at adult ages for underregistration using the growth balance method; (b) recent household deaths adjusted at adult ages for underregistration using death distribution methods; (c) siblings deaths from the 2005, 2011-2012 DHS; (d) International estimates considered up to 2017. In addition, the recent household deaths data by age and sex from the 1974, 1984 censuses have been considered.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Cook Islands

Population: Total population estimated to be consistent with the population of the (a) 1951, 1956, 1961, 1966, 1971, 1976, 1981, 1986, 1996, 2001, 2006, 2011 censuses; (b) official estimates through 2016; (c) only total population for 1991, 2016 censuses; and the assumed subsequent trend in the growth rate of the population.

Costa Rica

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1950, 1963, 1973, 1984, 2000, 2011 censuses; (b) adjusted censuses for underenumeration; (c) official estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) registered births classified by age of mother and the underlying female population by age through 2017; (b) adjusted for underregistration; (c) birth-histories data from the 1976 WFS and 1978, 1981 CPS and 1986 EFS and 1993 RHS and 2010 ESSR and 2011 MICS; (d) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1963, 1973, 1984, 2000, 2011 censuses; (e) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1963, 1973, 1984, 2000, 2011 censuses; (f) indirect estimates obtained from the application of the own-children method of fertility estimation to the 1973 Census; (g) International estimates considered up to 2017. In addition, the official estimates of age-specific fertility rates through 2017 have been considered.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2018; (b) adjusted for underregistration; (c) direct estimates from births and deaths under-five calculated from full birth histories data from the 1976 WFS; (d) indirect estimates from data on children ever born and surviving from the 1963, 1973, 1984, 2000, 2011 censuses and 1978, 1981 CPS and 1986 EFS; (e) International estimates considered up to 2017.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) registered deaths by age and sex available through 2018; (b) adjusted for underregistration; (c) adjusted for underreporting of infant and child deaths; (d) adult deaths adjusted for underregistration using the growth balance method; (e) mortality rates were extrapolated using projection methods; (f) International estimates considered up to 2017; (g) estimates of under-five, adult and old age mortality. In addition, the official estimates through 2011 have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Register through 2018; (b) adjusted for underregistration; (c) International estimates considered up to 2017.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination (Latin American countries, Spain and United States of America); (b) estimates derived as the differences between overall population growth and natural increase.

Côte d'Ivoire

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the 1975, 1988, 1998, 2014 censuses; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the official estimates through 2017 have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2014; (b) birth-histories data from the 1980-1981 WFS and 1994, 1998-1999 DHS and 2005 EIS and 2011-2012 DHS-MICS and 2016 MICS; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1957-1958, 1962-1964 Survey and 1978-1979 EDPR and 1988, 1998 censuses; (d) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1978-1979 EDPR and 1980-1981 WFS and 1988 Census; (e) indirect estimates obtained from the application of the reverse survival method to the 2014 Census; (f) indirect estimates obtained from the application of the own-children method of fertility estimation to the 2003 WHS and 2005 EIS and 2006 MICS; (g) cohort-completed fertility backdated by the mean age of childbearing from the 1957-1958, 1962-1964 Survey and 1978-1979 EDPR and 1980-1981 WFS and 1988 Census and 1994, 1998-1999 DHS and 2005 EIS and 2006 MICS and 2011-2012 DHS-MICS. In addition, the (a) births in the household in the preceding 12 (or 24) months classified by age of mother from the 2005 EIS and 2006 MICS; (b) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1957-1958 Survey and 2005 EIS; (c) cohort-completed fertility backdated by the mean age of childbearing from the 1998 Census have been considered.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 1978-1979 EDPR and 1980-1981 WFS and 1985-1986, 1986-1987, 1987-1988, 1988-1989 LSMS and 1994, 1998-1999 DHS and 2005 EIS and 2011-2012 DHS-MICS and 2016 MICS; (b) indirect estimates from data on children ever born and surviving from the 1957-1958 Survey and 1978-1979 EDPR and 1988, 1998 censuses; (c) recent household deaths from the 1978-1979 EDPR and 1998 Census and 2005 EIS; (d) International estimates used up to 2018.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) The demographic impact of AIDS has been factored into the mortality estimates; (b) estimates using HIV/AIDS model life tables and estimates of under-five mortality (5q0) and adult mortality (45q15) with UNAIDS estimates of adult HIV prevalence, and ART coverage for children and adults. In addition, the official estimates through 2007 have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) recent household deaths data by age and sex from the 1978-1979 EDPR and 1998 Census and 2005 EIS; (b) siblings deaths from the 1994 DHS and 2005 EIS and 2011-2012 DHS-MICS; (c) maternal orphanhood from the 1978-1979 EDPR and 1988, 1998 censuses and 1994 DHS and 2000, 2006 MICS; (d) paternal orphanhood from the 1978-1979 EDPR and 1998 Census; (e) International estimates considered up to 2017.
Note: The age patterns of mortality is based on the implied relationship between child mortality and adult mortality and the South model of the Coale-Demeny Model Life Tables in 1950-1955 and assumed to converge over time toward the North model of the Coale-Demeny Model Life Tables by the 1970s.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.
Note: Results of the migration surveys conducted by CERPOD (Enquête REMUAO) were also considered.

Croatia

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1953, 1961, 1971, 1981, 1991, 2001, 2011 censuses; (b) official estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2016; (b) registered infant and child deaths through 2016.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2015; (b) registered deaths by age and sex available through 2014.

Migration: International migration based on: (a) estimates of migrant flows, and assumed subsequent trends in international migration; (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Cuba

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1953, 1970, 1981, 2002, 2012 censuses; (b) official estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) registered births classified by age of mother and the underlying female population by age through 2017; (b) adjusted for underregistration; (c) birth-histories data from the 1987, 2009 ENF; (d) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1970, 1981 censuses and 1979 EDN; (e) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1970, 1981 censuses and 1979 EDN; (f) indirect estimates obtained from the application of the reverse survival method to the 1970 Census; (g) indirect estimates obtained from the application of the own-children method of fertility estimation to the 1970, 1981 censuses and 1979 EDN; (h) International estimates considered up to 2017. In addition, the official estimates of age-specific fertility rates through 2016 have been considered.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2017; (b) adjusted for underregistration; (c) indirect estimates from data on children ever born and surviving from the 1970, 1981 censuses and 1974 ENIEP and 1979 EDN and 1987, 2009 ENF and 2010-2011 MICS; (d) International estimates considered up to 2017.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) registered deaths by age and sex available through 2014; (b) adjusted for underregistration; (c) adjusted for underreporting of infant and child deaths; (d) adult deaths adjusted for underregistration using the growth balance method; (e) mortality rates were extrapolated using projection methods; (f) International estimates considered up to 2017. In addition, the official estimates through 2007 have been considered.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination (Latin American countries, Spain and United States of America); (b) estimates derived as the differences between overall population growth and natural increase.

Curaçao

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1960, 1972, 1981, 1992, 2001, 2011 censuses; (b) official estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1960 Census.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2015; (b) registered infant and child deaths through 2016.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2014; (b) registered deaths by age and sex available through 2016.

Migration: International migration based on: (a) official figures of net international migration flows, and assumed subsequent trends in international migration; (b) estimates derived as the differences between overall population growth and natural increase.

Cyprus

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1960, 1973, 1976, 1982, 1992, 2001, 2011 censuses; (b) adjusted censuses for underenumeration (in the Government controlled areas and since 1974 estimates that include Turkish Cypriots); (c) official estimates through 2017; (d) only total population for 1946 Census; and with estimates of the subsequent trends in fertility, mortality and international migration.
Note: Results from the 1976, 1982, 1992, 2001 and 2011 censuses in the Government controlled areas and estimates that include Turkish Cypriots were also considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017.

Child Mortality: Under-five mortality based on: registered infant and child deaths through 2016. In addition, the official estimates of infant and child mortality through 2016 (estimates in other areas were also considered) have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2016 (estimates from other areas were also considered); (b) registered deaths by age and sex available through 2016 (estimates from other areas were also considered).

Migration: International migration based on: (a) official figures of net international migration flows, and assumed subsequent trends in international migration; (b) estimates of migrant flows, and assumed subsequent trends in international migration; (c) information on foreign-born populations from censuses and registers from major countries of destination; (d) estimates derived as the differences between overall population growth and natural increase and estimates in other areas were also considered..

Czechia

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1950, 1961, 1970, 1980, 1991, 2001, 2011 censuses; (b) official estimates through 2018; (c) International estimates considered up to 2018; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2017; (b) registered infant and child deaths through 2017; (c) International estimates used up to 2017.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2016; (b) registered deaths by age and sex available through 2016; (c) International estimates used up to 2017.

Migration: International migration based on: (a) official figures of net international migration flows, and assumed subsequent trends in international migration; (b) estimates derived as the differences between overall population growth and natural increase.

Dem. People's Republic of Korea

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1993, 2008 censuses; (b) adjusted census for underenumeration; (c) 2014 SDHS survey estimates; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2008; (b) registered births classified by age of mother and the underlying female population by age through 2009; (c) birth-histories data from the 2002 RHS (covered only 5 areas); (d) period parity progression ratios based on data on women and births in the preceding 12 months, both classified by age of mother and parity, from the 1997 RHS (covered only 3 provinces); (e) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1993, 2008 censuses and 2014 SDHS; (f) indirect estimates obtained from the application of the reverse survival method to the 2008 Census and 2009, 2017 MICS and 2014 SDHS; (g) cohort-completed fertility backdated by the mean

age of childbearing from the 2002, 2004, 2006 RHS and 2009, 2017 MICS and 2014 SDHS (Covered only five areas,covered only 3 provinces). In addition, the births in the household in the preceding 12 (or 24) months classified by age of mother from the 2006 RHS have been considered.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2000; (b) direct estimates from births and deaths under-five calculated from full birth histories data from the 2002 RHS and 2017 MICS; (c) indirect estimates from data on children ever born and surviving from the 2002 RHS; (d) recent household deaths from the 1993, 2008 censuses and 2014 SDHS; (e) International estimates considered up to 2018.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: estimates of under-five, adult and old age mortality. In addition, the official estimates through 2007 have been considered.

Adult and Old Age Mortality: Estimates derived from: recent household deaths data by age and sex from the 1993, 2008 censuses and 2014 SDHS.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Democratic Republic of the Congo

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1984 Census; (b) adjusted census for underenumeration; (c) 2001 MICS and 2007, 2013-2014 DHS survey estimates; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) birth-histories data from the 1975-1976 EDOZA and 2007, 2013-2014 DHS; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1955-1957 SPS and 1984 Census; (c) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1955-1957 SPS and 1984 Census; (d) indirect estimates obtained using Mortara's method with data on children ever born by age of mother from the 2001, 2010 MICS; (e) indirect estimates obtained from the application of the own-children method of fertility estimation to the 1995 MICS.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 2007, 2013-2014 DHS; (b) indirect estimates from data on children ever born and surviving from the 1984 Census and 1995, 2001, 2010 MICS; (c) recent household deaths from the 1955-1957 SPS and 1984 Census; (d) International estimates considered up to 2018.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: estimates using CD North model life tables and estimates of under-five mortality (5q0), and adult mortality (45q15). In addition, the official estimates through 2007 have been considered.

Adult and Old Age Mortality: Estimates derived from: siblings deaths from the 2007, 2013-2014 DHS. In addition, the recent household deaths data by age and sex from the 1984 Census have been considered.

Migration: International migration based on: UNHCR statistics on the number of refugees in the main countries of asylum.

Denmark

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1950, 1960, 1965, 1970, 1991 censuses; (b) population register through 2017; (c) official estimates through 2017; (d) only total population for 1955, 1981, 2001, 2011 censuses; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: registered births classified by age of mother and the underlying female population by age through 2017. In addition, the official estimates of age-specific fertility rates through 2016 have been considered.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2016; (b) registered infant and child deaths through 2016.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2016; (b) registered deaths by age and sex available through 2016; (c) International estimates used up to 2017.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Djibouti

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1983, 2009 censuses; (b) adjusted censuses for underenumeration; (c) only total population for 1991 ICS; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) birth-histories data from the 2002, 2012 FHS; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1991 ICS; (c) indirect estimates obtained using Mortara's method with data on children ever born by age of mother from the 1991 ICS and 2006 MICS; (d) indirect estimates obtained from the application of the reverse survival method to the 1991 ICS and 2002 FHS and 2012 EDAM-IS. In addition, the (a) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1983, 2009 censuses; (b) indirect estimates obtained using Mortara's method with data on children ever born by age of mother from the 1983, 2009 censuses and 1989 EPICDDCM and 2002 FHS; (c) indirect estimates obtained from the application of the own-children method of fertility estimation to the 1991 ICS; (d) cohort-completed fertility backdated by the mean age of childbearing from the 1991 ICS and 2002, 2012 EDAM-IS and 2002 FHS have been considered.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 2012 FHS; (b) indirect estimates from data on children ever born and surviving from the 1991 ICS and 2002 FHS and 2006 MICS and 2009 Census; (c) recent household deaths from the 2009 Census; (d) International estimates considered up to 2018.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: estimates of under-five mortality (5q0) by assuming that the age pattern of mortality conforms to the CD North model life tables. In addition, the official estimates through 2007 have been considered.

Migration: International migration based on: (a) estimates derived as the differences between overall population growth and natural increase; (b) UNHCR statistics on the number of refugees in the main countries of asylum.

Dominica

Population: Total population estimated to be consistent with the population of the (a) 1960, 1970, 1981, 1991, 2001, 2011 censuses; (b) official estimates through 2014; and the assumed subsequent trend in the growth rate of the population.

Dominican Republic

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1950, 1960, 1970, 1981, 1993, 2002, 2010 censuses; (b) official

estimates through 2018; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) registered births classified by age of mother and the underlying female population by age through 2016; (b) adjusted for underregistration; (c) birth-histories data from the 1975, 1980 WFS and 1991, 1996, 1999, 2002, 2007, 2013 DHS and 2006, 2009-2010 ENHOGAR-MICS and 2014 MICS; (d) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1960, 1970, 1981, 1993, 2002, 2010 censuses and 1983 CPS and 1986 DHS and 2013 DHS Special; (e) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1960, 1970, 1981, 1993, 2002, 2010 censuses; (f) indirect estimates obtained from the application of the reverse survival method to the 1960, 1970 censuses; (g) indirect estimates obtained from the application of the own-children method of fertility estimation to the 1970, 1981 censuses; (h) International estimates considered up to 2017. In addition, the official estimates of age-specific fertility rates through 2017 have been considered.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2015; (b) adjusted for underregistration; (c) direct estimates from births and deaths under-five calculated from full birth histories data from the 1975, 1980 WFS and 1986, 1991, 1996, 1999, 2002, 2007, 2013 DHS and 2006 ENHOGAR-MICS and 2014 MICS; (d) indirect estimates from data on children ever born and surviving from the 1970, 1981, 2002, 2010 censuses and 1983 CPS and 2000 MICS; (e) International estimates considered up to 2017. In addition, the recent household deaths from the 2010 Census have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) registered deaths by age and sex available through 2013; (b) adjusted for underregistration; (c) adjusted for underreporting of infant and child deaths; (d) adult deaths adjusted for underregistration using the growth balance method; (e) mortality rates were extrapolated using projection methods; (f) International estimates considered up to 2017; (g) estimates of under-five, adult and old age mortality. In addition, the official estimates through 2007 have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Register through 2016; (b) adjusted for underregistration; (c) International estimates considered up to 2017. In addition, the (a) recent household deaths data by age and sex from the 1981, 1993, 2002, 2010 censuses and 2006 ENHOGAR-MICS and 2013 DHS; (b) siblings deaths from the 1996, 2002, 2007 DHS and 2002, 2010 censuses; (c) maternal orphanhood from the 1975 WFS and 1981, 2002 censuses and 1986 DHS; (d) paternal orphanhood from the 1986 DHS have been considered.

Migration: International migration based on: (a) official figures of net international migration flows, and assumed subsequent trends in international migration (administrative registers from the Dirección Nacional de Migración); (b) information on foreign-born populations from censuses and registers from major countries of destination (Latin American countries, Spain and United States of America); (c) estimates derived as the differences between overall population growth and natural increase.

Ecuador

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1950, 1962, 1974, 1982, 1990, 2001, 2010 censuses; (b) official estimates through 2018; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) registered births classified by age of mother and the underlying female population by age through 2016; (b) adjusted for underregistration; (c) birth-histories data from the 1979 WFS and 1987 DHS and 1989, 1994, 1999, 2004 ENDEMAIN-RHS; (d) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1950, 1962, 1974, 1982, 1990, 2001, 2010 censuses and 1982 ESMIVD and 2012 ENSANUT; (e) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the

preceding 12 (or 24/36) months, both classified by age of mother, from the 1950, 1962, 1974, 1982, 1990, 2001, 2010 censuses and 1982 ESMIVD and 2012 ENSANUT; (f) indirect estimates obtained from the application of the own-children method of fertility estimation to the 1962, 1974, 1982 censuses and 1982 ESMIVD; (g) International estimates considered up to 2017. In addition, the official estimates of age-specific fertility rates through 2017 have been considered.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2017; (b) adjusted for underregistration; (c) direct estimates from births and deaths under-five calculated from full birth histories data from the 1979 WFS and 1987 DHS and 1989, 1994, 1999, 2004 ENDEMAIN-RHS and 2012 ENSANUT; (d) indirect estimates from data on children ever born and surviving from the 1974, 1982, 1990, 2001, 2010 censuses and 1982 ESMIVD; (e) International estimates considered up to 2017. In addition, the indirect estimates from data on children ever born and surviving from the 2012 ENSANUT have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) registered deaths by age and sex available through 2016; (b) adjusted for underregistration; (c) adjusted for underreporting of infant and child deaths; (d) adult deaths adjusted for underregistration using the growth balance method; (e) mortality rates were extrapolated using projection methods; (f) International estimates considered up to 2017; (g) estimates of under-five, adult and old age mortality. In addition, the official estimates through 2007 have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Register through 2017; (b) adjusted for underregistration; (c) International estimates considered up to 2017. In addition, the (a) recent household deaths data by age and sex from the 2012 ENSANUT; (b) siblings deaths from the 1994, 2004 ENDEMAIN-RHS; (c) maternal orphanhood from the 1987 DHS; (d) paternal orphanhood from the 1987 DHS have been considered.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination (Latin American countries, Spain and United States of America); (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Egypt

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1960, 1976, 1986, 1996, 2006, 2017 censuses; (b) adjusted censuses for underenumeration; (c) official estimates through 2018; (d) only total population for 1966 Census; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2016; (b) registered births classified by age of mother and the underlying female population by age through 2017; (c) birth-histories data from the 1980 WFS and 1988, 1992, 1995, 2000, 2005, 2008, 2014 DHS and 1991 PAPCHILD and 2003 DHS Interim; (d) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1960, 1976 censuses and 1984 CPS and 1997 In Depth Study and 1997 DHS and 1998 DHS Interim; (e) indirect estimates obtained from the application of the reverse survival method to the 1960, 1976, 1986, 1996, 2006 censuses.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2017; (b) direct estimates from births and deaths under-five calculated from full birth histories data from the 1980 WFS and 1988, 1992, 1995, 1997, 2000, 2005, 2008, 2014 DHS and 1991 PAPCHILD and 1997 In Depth Study and 1998, 2003 DHS Interim and 2013-2014 MICS and 2015 DHS-NS; (c) indirect estimates from data on children ever born and surviving from the 1966, 1976, 1986, 1996 censuses and 1984 CPS; (d) recent household deaths from the 1960 Census and 1991 PAPCHILD; (e) International estimates used up to 2017.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) registered deaths by age and sex available through 1947-2017; (b) adjusted for underreporting of infant and child deaths;

(c) International estimates considered up to 2017; (d) estimates of under-five, adult and old age mortality. In addition, the (a) adult deaths adjusted for underregistration using the growth balance method; (b) adult deaths adjusted for underregistration using death distribution methods; (c) mortality rates for older ages were adjusted; (d) mortality rates were extrapolated using projection methods have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Register through 2017; (b) adjusted for underregistration; (c) recent household deaths data by age and sex from the 1960 Census and 1991 PAPCHILD; (d) International estimates considered up to 2017.

Migration: International migration based on: (a) official figures of net international migration flows, and assumed subsequent trends in international migration; (b) information on foreign-born populations from censuses and registers from major countries of destination; (c) estimates derived as the differences between overall population growth and natural increase; (d) UNHCR statistics on the number of refugees in the main countries of asylum.

El Salvador

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1950, 1961, 1971, 1992, 2007 censuses; (b) official estimates through 2018; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) registered births classified by age of mother and the underlying female population by age through 2015; (b) adjusted for underregistration; (c) birth-histories data from the 1985 DHS and 1988, 1993, 1998, 2002-2003, 2008 FESAL and 2014 MICS; (d) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1971, 1992, 2007 censuses; (e) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1971, 1992, 2007 censuses; (f) International estimates considered up to 2017. In addition, the official estimates of age-specific fertility rates through 2013 have been considered.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2016; (b) adjusted for underregistration; (c) direct estimates from births and deaths under-five calculated from full birth histories data from the 1988, 1993, 1998, 2002-2003, 2008 FESAL and 2014 MICS; (d) indirect estimates from data on children ever born and surviving from the 1950, 1961, 1971, 1992, 2007 censuses and 1973, 1975, 1978 FESAL and 1985 DHS and 1992, 1993 EHPM; (e) International estimates considered up to 2017. In addition, the (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 1985 DHS; (b) recent household deaths from the 1992, 2007 censuses have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) registered deaths by age and sex available through 2013; (b) adjusted for underregistration; (c) adjusted for underreporting of infant and child deaths; (d) adult deaths adjusted for underregistration using the growth balance method; (e) mortality rates were extrapolated using projection methods; (f) International estimates considered up to 2017; (g) estimates of under-five, adult and old age mortality. In addition, the official estimates through 2007 have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Register through 2014; (b) adjusted for underregistration; (c) recent household deaths data by age and sex from the 1992, 2007 censuses; (d) International estimates considered up to 2017. In addition, the (a) siblings deaths from the 1993, 1998, 2002-2003 FESAL; (b) maternal orphanhood from the 1992 Census have been considered.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination (Latin American countries, Spain and United States of America); (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Equatorial Guinea

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1950, 1960, 1983, 1994, 2002, 2015 censuses; (b) adjusted censuses for underenumeration; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the official estimates through 2017 have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2011; (b) birth-histories data from the 2011 DHS; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1983, 1994, 2002 censuses.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 2011 DHS; (b) indirect estimates from data on children ever born and surviving from the 1983, 1994, 2002 censuses and 2000 MICS; (c) International estimates used up to 2017.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) International estimates used up to 2017; (b) The demographic impact of AIDS has been factored into the mortality estimates; (c) estimates using HIV/AIDS model life tables and estimates of under-five mortality $(5q0)$ and adult mortality $(45q15)$ with UNAIDS estimates of adult HIV prevalence, and ART coverage for children and adults. In addition, the official estimates through 2007 have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) siblings deaths from the 2011 DHS; (b) maternal orphanhood from the 2000 MICS; (c) paternal orphanhood from the 2000 MICS; (d) intercensal survivorship from successive census age distributions; (e) International estimates considered up to 2017.

Migration: International migration based on: (a) estimates derived as the differences between overall population growth and natural increase; (b) UNHCR statistics on the number of refugees in the main countries of asylum.

Eritrea

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 2000 Quick Population Count; (b) official estimates through 2018; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the only total population for 1984 Census have been considered.
Note: 2000 quick population count was also considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) birth-histories data from the 1995, 2002 DHS and 2010 PHS; (b) indirect estimates obtained from the application of the reverse survival method to the 2015-2016 ELFS; (c) cohort-completed fertility backdated by the mean age of childbearing from the 1995, 2002 DHS and 2010 PHS. In addition, the cohort-completed fertility backdated by the mean age of childbearing from the Estimates have been considered.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 1995, 2002 DHS and 2010 PHS; (b) recent household deaths from the 1995, 2002 DHS; (c) International estimates used up to 2017.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) International estimates considered up to 2017; (b) estimates of under-five mortality $(5q0)$ by assuming that the age pattern of mortality conforms to the CD North model life tables.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Estonia

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1959, 1970, 1979, 1989, 2000, 2011-2012 censuses; (b) official estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2016; (b) registered infant and child deaths through 2016; (c) adjusted for underregistration.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2016; (b) registered deaths by age and sex available through 2016.

Migration: International migration based on: (a) official figures of net international migration flows, and assumed subsequent trends in international migration; (b) estimates derived as the differences between overall population growth and natural increase.

Eswatini

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1956, 1966, 1976, 1986, 1997, 2007 censuses; (b) adjusted censuses for underenumeration; (c) official estimates through 2017; (d) only total population for 2017 Census (Provisional results); and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) birth-histories data from the 2006-2007 DHS and 2010, 2014 MICS; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1966, 1976, 1986, 1997, 2007 censuses and 1988 FHS and 2012 IS; (c) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1966 Census; (d) indirect estimates obtained from the application of the own-children method of fertility estimation to the 1986 Census and 1991 DHS. In addition, the official estimates of age-specific fertility rates through 2015 have been considered.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 2006-2007 DHS and 2010, 2014 MICS; (b) indirect estimates from data on children ever born and surviving from the 1966, 1976, 1986, 1997, 2007 censuses and 2000 MICS; (c) International estimates used up to 2018. In addition, the recent household deaths from the 1997, 2007 censuses have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) International estimates used up to 2017; (b) The demographic impact of AIDS has been factored into the mortality estimates; (c) estimates using HIV/AIDS model life tables and estimates of under-five mortality (5q0) and adult mortality (45q15) with UNAIDS estimates of adult HIV prevalence, and ART coverage for children and adults.

Adult and Old Age Mortality: Estimates derived from: (a) recent household deaths data by age and sex from the 1997 Census and 2006-2007 DHS; (b) siblings deaths from the 2006-2007 DHS; (c) International estimates used up to 2017. In addition, the (a) maternal orphanhood from the 1976, 1986, 1997 censuses and 2000 MICS and 2006-2007 DHS; (b) paternal orphanhood from the 1976, 1986, 1997 censuses have been considered.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Ethiopia

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1984, 1994, 2007 censuses; (b) adjusted census for underenumeration; (c) 1981 DS survey estimates; (d) official estimates through 2018; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) birth-histories data from the 1990 FFS and 2000, 2005, 2011, 2016 DHS; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1998 NHS and 2007 Census and 2014 PMA-R1 and 2014 PMA-R2; (c) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1984, 1994, 2007 censuses and 1990 FFS and 1997 SNCFS and 1998 MGHS and 1998 NHS; (d) indirect estimates obtained from the application of the reverse survival method to the 1981 DS and 1994, 2007 censuses and 2003 WHS; (e) indirect estimates obtained from stable population assumption. In addition, the (a) official estimates of age-specific fertility rates through 1994; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1964-1967, 1968-1971 NSS Rural and 1969-1971 NSS Urban and 1981 DS and 1984, 1994 censuses and 1997 SNCFS; (c) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1968-1971 NSS Rural have been considered.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 1990 FFS and 2000, 2005, 2011, 2016 DHS; (b) indirect estimates from data on children ever born and surviving from the 1981 DS and 1984, 1994, 2007 censuses and 1998 NHS; (c) recent household deaths from the 1981 DS and 1984, 2007 censuses; (d) International estimates used up to 2017.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) International estimates considered up to 2017; (b) estimates using CD North model life tables and estimates of under-five mortality (5q0), and adult mortality (45q15). In addition, the official estimates through 2007 have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) recent household deaths data by age and sex from the 2007 Census; (b) recent household deaths adjusted at adult ages for underregistration using death distribution methods; (c) siblings deaths from the 2000, 2011, 2016 DHS; (d) International estimates considered up to 2017. In addition, the recent household deaths data by age and sex from the 1981 DS and 1984 Census have been considered.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Falkland Islands (Malvinas)

Population: Total population estimated to be consistent with the population of the (a) 1953, 1962, 1972, 1986, 1991, 1996, 2001, 2006, 2012 censuses; (b) only total population for 1980, 2016 censuses; and the assumed subsequent trend in the growth rate of the population.

Faroe Islands

Population: Total population estimated to be consistent with the population of the (a) 1950, 1955, 1960, 1966, 1970, 1977 censuses; (b) official estimates through 2017; (c) only total population for 2002, 2011 censuses; and the assumed subsequent trend in the growth rate of the population.

Fiji

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1956, 1966, 1976, 1986, 1996, 2007, 2017 censuses; (b) official estimates through 2016; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2008; (b) registered births classified by age of mother and the underlying female population by age through 2014; (c) adjusted for underregistration (total births 2010-2014); (d) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1986, 2007 censuses. In addition, the (a) birth-histories data from the 1974 WFS; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1996 Census have been considered.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2017; (b) direct estimates from births and deaths under-five calculated from full birth histories data from the 1974 WFS; (c) indirect estimates from data on children ever born and surviving from the 1966, 1986, 1996, 2007 censuses; (d) International estimates used up to 2018.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2007; (b) registered deaths by age and sex available through 2012; (c) registered deaths by age and sex available through 2013; (d) International estimates used up to 2017; (e) estimates using LogQuad extended model life tables and estimates of under-five mortality (5q0), adult mortality (45q15) and old age mortality (15q60). In addition, the (a) adjusted for underreporting of infant and child deaths; (b) adult deaths adjusted for underregistration using the growth balance method; (c) adult deaths adjusted for underregistration using death distribution methods; (d) mortality rates for older ages were adjusted; (e) mortality rates were extrapolated using projection methods have been considered.
Note: Data and methods utilized include (a) the estimates of infant and child mortality from IGME (www.childmortality.org, 2018) from 1950 to 2017, (b) the estimates of adult mortality 45Q15 from IHME (www.healthdata.org) from 1950 to 2017, (c) the estimates of old-age mortality 15Q60 from DCMD (www.lifetables.org, 2018) from 1985 to 2008, and (d) the three-input-parameter model life table (www.lifetables.org, 2018).

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Register through 2013; (b) intercensal survivorship from successive census age distributions; (c) International estimates used up to 2017. In addition, the (a) maternal orphanhood from the 1976, 1986, 1996, 2007 censuses; (b) paternal orphanhood from the 1976, 1986, 1996, 2007 censuses; (c) implied relationship between under-five mortality (5q0) and adult mortality (45q15) based on model life tables relationships have been considered.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Finland

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1950, 1960, 1970, 1975, 1985, 1990, 2000, 2010 censuses; (b) population register through 2017; (c) official estimates through 2017; (d) only total population for 1980 Census; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: registered births classified by age of mother and the underlying female population by age through 2017. In addition, the official estimates of age-specific fertility rates through 2016 have been considered.

Child Mortality: Under-five mortality based on: registered infant and child deaths through 2017.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2016; (b) International estimates used up to 2017. In addition, the (a) registered deaths by age and sex available through 2016; (b) registered deaths by age and sex available through 2016; (c) adjusted for underreporting of infant and child deaths; (d) adult deaths adjusted for underregistration using the growth balance method; (e) adult deaths adjusted for underregistration using death distribution methods; (f) mortality rates for older ages were adjusted; (g) mortality rates were extrapolated using projection methods have been considered.

Migration: International migration based on: (a) official figures of net international migration flows, and assumed subsequent trends in international migration; (b) estimates derived as the differences between overall population growth and natural increase.

France

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1954, 1962, 1968, 1975, 1982, 1990, 1999, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016 censuses; (b) official estimates through 2018; (c) International estimates used up to 2017; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the only total population for 2006, 2008 censuses have been considered.
Note: Population estimates exclude the overseas departments, namely, French Guyana, Guadeloupe, Martinique and Réunion.

Fertility: Total fertility rate and age pattern of fertility based on: official estimates of age-specific fertility rates through 2017.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2016; (b) registered infant and child deaths through 2017.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2017; (b) registered deaths by age and sex available through 2017; (c) International estimates used up to 2017.

Migration: International migration based on: (a) official figures of net international migration flows, and assumed subsequent trends in international migration through 2018; (b) estimates derived as the differences between overall population growth and natural increase.

French Guiana

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1954, 1961, 1967, 1974, 1982, 1990, 1999, 2006, 2015 censuses; (b) official estimates through 2018; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017.

Child Mortality: Under-five mortality based on: registered infant and child deaths through 2015.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2017; (b) estimates of life expectancy at birth by assuming that the age pattern of mortality conforms to the CD West model life tables. In addition, the (a) registered deaths by age and sex available through 2017; (b) adjusted for underreporting of infant and child deaths; (c) adult deaths adjusted for underregistration using the growth balance method; (d) adult deaths adjusted for underregistration using death distribution methods; (e) mortality rates for older ages were adjusted; (f) mortality rates were extrapolated using projection methods have been considered.

Migration: International migration based on: (a) official figures of net international migration flows, and assumed subsequent trends in international migration; (b) information on foreign-born populations from censuses and registers from major countries of destination; (c) estimates derived as the differences between overall population growth and natural increase.

French Polynesia

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1951, 1956, 1962, 1971, 1977, 1983, 1988, 1996, 2002, 2007, 2012, 2017 censuses; (b) official estimates through 2015; (c) only total population for 1967 Census; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2014; (b) registered births classified by age of mother and the underlying female population by age through 2015.

Child Mortality: Under-five mortality based on: registered infant and child deaths through 2015.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: registered deaths by age and sex available through 2015. In addition, the (a) registered deaths by age and sex available through 2012; (b) adjusted for underreporting of infant and child deaths; (c) adult deaths adjusted for underregistration using the growth balance method; (d) adult deaths adjusted for underregistration using death distribution methods; (e) mortality rates for older ages were adjusted; (f) mortality rates were extrapolated using projection methods have been considered.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Gabon

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1960-1961 Census (Libreville) and 1969-1970, 1993, 2003 censuses; (b) adjusted censuses for underenumeration; (c) official estimates through 2005; (d) only total population for 2013 Census; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2000; (b) birth-histories data from the 2000, 2012 DHS; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1960-1961 Census (Libreville) and 1960-1961 DS and 1993 Census; (d) indirect estimates obtained from the application of the reverse survival method to the 1960-1961 Census (Libreville) and 1969-1970, 1993 censuses and 2005 EGESP; (e) cohort-completed fertility backdated by the mean age of childbearing from the 1993 Census and 2000, 2012 DHS.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 2000, 2012 DHS; (b) indirect estimates from data on children ever born and surviving from the 1960-1961 Census (Libreville) and 1980, 1993, 2003 censuses; (c) recent household deaths from the 1960-1961 Census (Libreville) and 1980, 2003 censuses; (d) International estimates used up to 2018.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) The demographic impact of AIDS has been factored into the mortality estimates; (b) estimates using HIV/AIDS model life tables and estimates of under-five mortality (5q0) and adult mortality (45q15) with UNAIDS estimates of adult HIV prevalence, and ART coverage for children and adults.

Adult and Old Age Mortality: Estimates derived from: (a) recent household deaths data by age and sex from the 1960-1961 Census (Libreville); (b) siblings deaths from the 2000, 2012 DHS; (c) International estimates considered up to 2017.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Gambia

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1973, 1983, 1993, 2003, 2013 censuses; (b) adjusted censuses for underenumeration; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the (a) 1963 Census; (b) official estimates through 2006 have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) birth-histories data from the 1990 GCPFDS and 2013 DHS; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1963, 1973, 1983, 1993, 2003, 2013 censuses and 1973 PES and 1993-1994 HEHS and 2000, 2005-2006, 2010 MICS and 2001 NSMCP; (c) indirect estimates obtained from the application of the own-children method of fertility estimation to the 2005-2006 MICS; (d) cohort-completed fertility backdated by the mean age of childbearing from the 1973, 1983, 1993, 2003, 2013 censuses. In addition, the (a) official estimates of age-specific fertility rates through 1993; (b) birth-histories data from the 2001 NSMCP; (c) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1973 PES and 1983, 1993 censuses and 1993-1994 HEHS and 2000, 2005-2006 MICS and 2001 NSMCP; (d) adjusted fertility using Arriaga modified P/F ratio method with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1973, 1983, 1993 censuses and 1993-1994 HEHS; (e) indirect estimates obtained from stable population assumption; (f) cohort-completed fertility backdated by the mean age of childbearing from the 2010 MICS have been considered.

Child Mortality: Under-five mortality based on: (a) indirect estimates from data on children ever born and surviving from the 1973, 1983, 1993, 2003 censuses and 2000, 2005-2006, 2010 MICS and 2001 NSMCP; (b) International estimates used up to 2018. In addition, the (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 2013 DHS; (b) indirect estimates from data on children ever born and surviving from the 2013 Census; (c) recent household deaths from the 1973, 1983, 1993, 2003, 2013 censuses and 1990 GCPFDS have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: estimates using CD North model life tables and estimates of infant and under-five mortality (5q0), and adult mortality (45q15). In addition, the official estimates through 2007 have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) recent household deaths data by age and sex from the 1973, 2013 censuses; (b) siblings deaths from the 2013 DHS; (c) International estimates considered up to 2017. In addition, the (a) recent household deaths data by age and sex from the 2003 Census; (b) maternal orphanhood from the 1973, 1983, 1993, 2003 censuses and 2000, 2005-2006 MICS and 2001 NSMCP and 2002 BSLCURD; (c) paternal orphanhood from the 1973, 1983, 1993, 2003 censuses and 2001 NSMCP and 2002 BSLCURD have been considered.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) estimates derived as the differences between overall

population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Georgia

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1959, 1970, 1979, 1989, 2002, 2014 censuses; (b) adjusted census for underenumeration (population of the 2014 census has been adjusted by including estimates for the areas excluded from the census enumeration); (c) official estimates through 2017; (d) adjusted to reflect de-facto population; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017; (c) birth-histories data from the 1999, 2005, 2010 RHS.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2017; (b) registered infant and child deaths through 2017; (c) adjusted for underregistration; (d) direct estimates from births and deaths under-five calculated from full birth histories data from the 1999, 2005, 2010 RHS; (e) indirect estimates from data on children ever born and surviving from the 1989, 2002 censuses and 2005 MICS. In addition, the indirect estimates from data on children ever born and surviving from the 2014 Census have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2016; (b) registered deaths by age and sex available through 2016; (c) adjusted for underregistration.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Germany

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1987, 2001, 2011 censuses; (b) population register through 2018; (c) official estimates through 2018; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2016; (b) registered infant and child deaths through 2016.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2016; (b) registered deaths by age and sex available through 2016.

Migration: International migration based on: (a) estimates of migrant flows, and assumed subsequent trends in international migration; (b) estimates derived as the differences between overall population growth and natural increase.

Ghana

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1960, 1970, 1984, 2000, 2010 censuses; (b) official estimates through 2016; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the only total population for 1948 Census have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2008; (b) birth-histories data from the 1979-1980 WFS and 1988, 1993, 1998, 2003, 2008, 2014 DHS and 2003 WHS and 2007 DHS Special and 2011 MICS and 2016 MIS and 2017 MHS; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1960 PES and 1968-1969 DSS and 1971 Survey and 2006 MICS; (d) adjusted fertility using Arriaga modified P/F ratio method with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1968-1969 DSS; (e) adjusted fertility using synthetic relational Gompertz model with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1968-1969 DSS and 1971 Survey; (f) indirect estimates obtained using Mortara's method with data on children ever born by age of mother from the 1948, 1960 censuses and 1961 FS; (g) indirect estimates obtained from the application of the reverse survival method to the 1960 Census; (h) indirect estimates obtained from the application of the own-children method of fertility estimation to the 2000 Census and 2003 WHS and 2006 MICS. In addition, the (a) birth-histories data from the 2013 PMA-R1 and 2014 PMA-R2 and 2014 PMA-R3; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 2000, 2010 censuses; (c) adjusted fertility using synthetic relational Gompertz model with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 2000, 2010 censuses; (d) indirect estimates obtained from the application of the own-children method of fertility estimation to the 2007 DHS Special; (e) cohort-completed fertility backdated by the mean age of childbearing from the 2000, 2010 censuses have been considered.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 1975 (1974-1977 Cape Coast Project registration data); (b) direct estimates from births and deaths under-five calculated from full birth histories data from the 1979-1980 WFS and 1987-1988, 1988-1989 LSMS and 1988, 1993, 1998, 2003, 2008, 2014 DHS and 2006, 2011 MICS and 2007 DHS Special and 2010-2011 MICS Accra and 2017 MHS; (c) indirect estimates from data on children ever born and surviving from the 1948, 1960, 1970, 2000, 2010 censuses and 1960 PES and 1968-1969 DSS and 1971 Survey and 1991-1992, 1998-1999, 2005-2006 LSMS and 2007 MICS (District) and 2015 PMA-R4; (d) recent household deaths from the 1960 PES and 1968-1969 DSS and 1970, 2010 censuses and 2007 DHS Special; (e) International estimates used up to 2017.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) International estimates considered up to 2017; (b) estimates using CD North model life tables and estimates of under-five mortality (5q0), and adult mortality (45q15). In addition, the official estimates through 2007 have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) recent household deaths data by age and sex from the 1968-1969 DSS and 2007 DHS Special and 2010 Census; (b) siblings deaths from the 2007 DHS Special and 2008 DHS and 2017 MHS; (c) maternal orphanhood from the 1988, 1993, 1998, 2003, 2008 DHS and 2006 MICS; (d) paternal orphanhood from the 2006 MICS; (e) International estimates considered up to 2017.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Gibraltar

Population: Total population estimated to be consistent with the population of the (a) 1951, 1961, 1970, 1981, 1991, 2001, 2012 censuses; (b) official estimates through 2015; and the assumed subsequent trend in the growth rate of the population.

Greece

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1951, 1961, 1971, 1981, 1991, 2001, 2011 censuses; (b) official

estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2016; (b) registered infant and child deaths through 2016; (c) International estimates considered up to 2018. In addition, the indirect estimates from data on children ever born and surviving from the 1971, 1991 censuses have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2007; (b) registered deaths by age and sex available through 2016; (c) International estimates used up to 2017. In addition, the registered deaths by age and sex available through 2016 have been considered.

Migration: International migration based on: (a) official figures of net international migration flows, and assumed subsequent trends in international migration; (b) estimates derived as the differences between overall population growth and natural increase.

Greenland

Population: Total population estimated to be consistent with the population of the (a) 1951, 1955, 1960, 1965, 1970, 1976, 2000 censuses; (b) population register through 2017; (c) only total population for 2008 Census; and the assumed subsequent trend in the growth rate of the population.

Grenada

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1960, 1981, 2011 censuses; (b) official estimates through 2017; (c) only total population for 1970, 1991, 2001 censuses; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: registered births classified by age of mother and the underlying female population by age through 2014.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2016; (b) International estimates used up to 2018.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) registered deaths by age and sex available through 1979; (b) adjusted for underregistration (through 2015); (c) estimates using LogQuad model life tables and estimates of infant and under-five mortality (5q0), and adult mortality (45q15). In addition, the (a) official estimates through 2007; (b) registered deaths by age and sex available through 1978; (c) adjusted for underreporting of infant and child deaths; (d) adult deaths adjusted for underregistration using the growth balance method; (e) adult deaths adjusted for underregistration using death distribution methods; (f) mortality rates for older ages were adjusted; (g) mortality rates were extrapolated using projection methods have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Register through 2016; (b) International estimates used up to 2017. In addition, the (a) recent household deaths adjusted at adult ages for underregistration using the growth balance method; (b) recent household deaths adjusted at adult ages for underregistration using death distribution methods; (c) implied relationship between under-five mortality (5q0) and adult mortality (45q15) based on model life tables relationships have been considered.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Guadeloupe

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1961, 1967, 1974, 1982, 1990, 1999, 2006, 2015 censuses; (b) official estimates through 2018; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the 1954 Census have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: registered births classified by age of mother and the underlying female population by age through 2017. In addition, the official estimates of age-specific fertility rates through 2017 have been considered.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2014; (b) registered infant and child deaths through 2014.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: registered deaths by age and sex available through 2014.

Migration: International migration based on: (a) official figures of net international migration flows, and assumed subsequent trends in international migration; (b) estimates derived as the differences between overall population growth and natural increase.

Guam

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1950, 1960, 1970, 1980, 1990, 2000, 2010 censuses; (b) official estimates through 2018; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) registered births classified by age of mother and the underlying female population by age through 2017; (b) adjusted for underregistration (adjusted downward to account for births to non-resident women in Guam hospitals and to be consistent with children under age five enumerated in the 2010 census). In addition, the (a) official estimates of age-specific fertility rates through 2017; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1994 Survey; (c) indirect estimates obtained from the application of the own-children method of fertility estimation to the 1980, 1990, 2000 censuses have been considered.

Child Mortality: Under-five mortality based on: registered infant and child deaths through 2015. In addition, the indirect estimates from data on children ever born and surviving from the 1980, 1990, 2010 censuses have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2015; (b) registered deaths by age and sex available through 2004; (c) estimates of life expectancy at birth by assuming that the age pattern of mortality conforms to the CD West model life tables.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.
Note: Data on the reduction in the number of military personnel and their dependents were also taken into account.

Guatemala

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1950, 1964, 1973, 1981, 1994, 2002 censuses; (b) adjusted censuses for underenumeration; (c) official estimates through 2015; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) registered births classified by age of mother and the underlying female population by age through 2016; (b) adjusted for underregistration;

(c) birth-histories data from the 1987, 1995 DHS and 1998-1999 DHS Interim and 2002, 2008-2009, 2014-2015 ENSMI; (d) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1973, 1981, 1994, 2002 censuses and 1977-1978 ENF and 1986-1987, 1989 ENSD; (e) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1973, 1981, 1994, 2002 censuses and 1977-1978 ENF and 1986-1987, 1989 ENSD; (f) indirect estimates obtained from the application of the own-children method of fertility estimation to the 1973, 1981 censuses; (g) International estimates considered up to 2017. In addition, the official estimates of age-specific fertility rates through 2006 have been considered.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2015; (b) adjusted for underregistration; (c) direct estimates from births and deaths under-five calculated from full birth histories data from the 1987, 1995 DHS and 1998-1999 DHS Interim and 2002, 2008-2009, 2014-2015 ENSMI; (d) indirect estimates from data on children ever born and surviving from the 1950, 1964, 1973, 1981, 1994, 2002 censuses and 1977-1978 ENF and 1986-1987, 1989 ENSD; (e) International estimates considered up to 2017.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) registered deaths by age and sex available through 2014; (b) adjusted for underregistration; (c) adjusted for underreporting of infant and child deaths; (d) adult deaths adjusted for underregistration using the growth balance method; (e) mortality rates were extrapolated using projection methods; (f) International estimates considered up to 2017; (g) estimates of under-five, adult and old age mortality. In addition, the official estimates through 2007 have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Register through 2015; (b) adjusted for underregistration; (c) maternal orphanhood from the 1973, 1981 censuses; (d) International estimates considered up to 2017. In addition, the (a) recent household deaths data by age and sex from the 1994 Census; (b) siblings deaths from the 1995 DHS; (c) maternal orphanhood from the 1987 DHS and 1994, 2002 censuses; (d) paternal orphanhood from the 1987 DHS have been considered.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination (Latin American countries, Spain and United States of America); (b) estimates derived as the differences between overall population growth and natural increase.

Guinea

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1954-1955 SDS and 1963, 1965, 1983, 1996, 2014 censuses; (b) official estimates through 2018; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) birth-histories data from the 1992, 1999, 2005, 2012 DHS and 2016 MICS; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1954-1955 SDS and 1996, 2014 censuses; (d) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1954-1955 SDS and 1996 Census; (e) indirect estimates obtained from the application of the reverse survival method to the 2014 Census; (f) indirect estimates obtained from the application of the own-children method of fertility estimation to the 1983, 1996 censuses; (g) indirect estimates obtained from stable population assumption. In addition, the (a) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1983 Census; (b) cohort-completed fertility backdated by the mean age of childbearing from the 1983, 1996, 2014 censuses and 1999, 2005, 2012 DHS and 2016 MICS have been considered.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 1992, 1999, 2005, 2012 DHS and 2016 MICS; (b) indirect estimates from data on children ever born and surviving from the 1954-1955 SDS and 1959, 1967, 1996,

2014 censuses and 2003 MICS; (c) recent household deaths from the 1954-1955 SDS and 1959, 1967, 1983, 1996, 2014 censuses; (d) International estimates used up to 2018.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) International estimates considered up to 2017; (b) estimates using CD North model life tables and estimates of infant and under-five mortality (5q0), and adult mortality (45q15). In addition, the official estimates through 2007 have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) recent household deaths data by age and sex from the 1983, 1996, 2014 censuses; (b) recent household deaths adjusted at adult ages for underregistration using death distribution methods; (c) siblings deaths from the 1999, 2005, 2012 DHS; (d) maternal orphanhood from the 1999, 2005 DHS; (e) International estimates considered up to 2017. In addition, the recent household deaths data by age and sex from the 1954-1955 SDS and 1957 Survey (Konkoure) have been considered.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Guinea-Bissau

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1950, 1979, 1991, 2009 censuses; (b) International estimates considered up to 2017; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the (a) official estimates through 2016; (b) only total population for 1960, 1970 censuses have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) birth-histories data from the 2010, 2014 MICS; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1960, 1979, 1991, 2009 censuses and 2000, 2006 MICS; (c) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1950 Census; (d) indirect estimates obtained from the application of the reverse survival method to the 2010 MICS. In addition, the (a) official estimates of age-specific fertility rates through 2006; (b) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 2000, 2006 MICS; (c) indirect estimates obtained from the application of the reverse survival method to the 1950, 1970 censuses; (d) indirect estimates obtained from stable population assumption have been considered.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 2010, 2014 MICS; (b) indirect estimates from data on children ever born and surviving from the 1950, 2009 censuses and 2000, 2006 MICS; (c) recent household deaths from the 2009 Census; (d) International estimates used up to 2018.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) International estimates used up to 2017; (b) The demographic impact of AIDS has been factored into the mortality estimates; (c) estimates using HIV/AIDS model life tables and estimates of under-five mortality (5q0) and adult mortality (45q15) with UNAIDS estimates of adult HIV prevalence, and ART coverage for children and adults. In addition, the official estimates through 2007 have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) recent household deaths data by age and sex from the 2009 Census; (b) siblings deaths from the 2014 MICS; (c) International estimates used up to 2017. In addition, the (a) deaths by age and sex available from Bandim HDSS through 2016 and Register through 2009 (urban areas); (b) maternal orphanhood from the 2000, 2006 MICS have been considered.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Guyana

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the 1960, 1970, 1980, 1991, 2002, 2012 censuses; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the (a) official estimates through 2017; (b) only total population for 1946 Census have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2013; (b) registered births classified by age of mother and the underlying female population by age through 2013; (c) birth-histories data from the 1975 WFS and 2009 DHS and 2014 MICS. In addition, the (a) birth-histories data from the 1992-1993 LSMS and 2005 AIS; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1980, 1991, 2002, 2012 censuses and 1986 Survey; (c) cohort-completed fertility backdated by the mean age of childbearing from the 1975 WFS and 1980, 1991, 2002 censuses and 1986 Survey and 2005 AIS and 2009 DHS and 2014 MICS have been considered.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2013; (b) direct estimates from births and deaths under-five calculated from full birth histories data from the 1975 WFS and 1992-1993 LSMS and 2005 AIS and 2009 DHS and 2014 MICS; (c) indirect estimates from data on children ever born and surviving from the 1980, 1991, 2002, 2012 censuses and 1986 Survey and 1991-1992 CCPS and 2000, 2006 MICS; (d) recent household deaths from the 1991, 2012 censuses; (e) International estimates used up to 2018.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2012 (including the official 2004 and 2012 life tables); (b) registered deaths by age and sex available through 2012.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Haiti

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1950, 1971, 1982, 2003 censuses; (b) adjusted censuses for underenumeration; (c) official estimates through 2015; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) birth-histories data from the 1977 WFS and 1994-1995, 2000, 2005-2006, 2016 DHS and 2012 DHS-MICS and 2013 DHS-NS; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1971, 2003 censuses; (c) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1971, 2003 censuses; (d) indirect estimates obtained from the application of the reverse survival method to the 1982 Census; (e) indirect estimates obtained from the application of the own-children method of fertility estimation to the 1971 Census; (f) International estimates considered up to 2017. In addition, the official estimates of age-specific fertility rates through have been considered.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2004; (b) adjusted for underregistration; (c) direct estimates from births and deaths under-five calculated from full birth histories data from the 1977 WFS and 1987 Survey and 1994-1995, 2000, 2005-2006, 2016 DHS and 2012 DHS-MICS; (d) indirect estimates from data on children ever born and surviving from the 1982,

2003 censuses and 1983 CPS; (e) International estimates considered up to 2017. In addition, the recent household deaths from the 2003 Census have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) registered deaths by age and sex available through 2004; (b) adjusted for underregistration; (c) adjusted for underreporting of infant and child deaths; (d) adult deaths adjusted for underregistration using the growth balance method; (e) mortality rates were extrapolated using projection methods; (f) International estimates considered up to 2017; (g) estimates of under-five, adult and old age mortality. In addition, the official estimates through 2007 have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Register through 2004; (b) adjusted for underregistration; (c) recent household deaths data by age and sex from the 2003 Census; (d) recent household deaths adjusted at adult ages for underregistration using the growth balance method; (e) International estimates considered up to 2017. In addition, the siblings deaths from the 2000, 2005-2006, 2016 DHS have been considered.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination (Data from the Programme on International Migration in Latin America - IMILA); (b) estimates derived as the differences between overall population growth and natural increase.

Holy See

Population: Total population estimated to be consistent with the population of the official estimates through 2012; and the assumed subsequent trend in the growth rate of the population. In addition, the only total population for 1948, 2000, 2009 censuses have been considered.

Honduras

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1945, 1950, 1961, 1974, 1988, 2001, 2013 censuses; (b) official estimates through 2015; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) registered births classified by age of mother and the underlying female population by age through 2012; (b) adjusted for underregistration; (c) birth-histories data from the 1981 CPS and 1984 ENSMI and 1987 EFHS and 1996, 2001 ENESF and 2005-2006, 2011-2012 DHS; (d) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1970-1972, 1983 EDEN and 1974, 1988, 2001, 2013 censuses; (e) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1970-1972, 1983 EDEN and 1974, 1988, 2001, 2013 censuses; (f) indirect estimates obtained from the application of the own-children method of fertility estimation to the 1970-1972, 1983 EDEN and 1974 Census; (g) International estimates considered up to 2017. In addition, the official estimates of age-specific fertility rates through 1981 have been considered.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2013; (b) adjusted for underregistration; (c) direct estimates from births and deaths under-five calculated from full birth histories data from the 1991-1992 ENESF-RHS and 1996, 2001 ENESF and 2005-2006, 2011-2012 DHS; (d) indirect estimates from data on children ever born and surviving from the 1970-1972, 1983 EDEN and 1974, 1988, 2001, 2013 censuses and 1984 ENSMI and 1987 EFHS; (e) International estimates considered up to 2017. In addition, the recent household deaths from the 1970-1972 EDEN and 2001, 2013 censuses have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) registered deaths by age and sex available through 1989; (b) adjusted for underregistration; (c) adjusted for underreporting of infant and child deaths; (d) adult deaths adjusted for underregistration using the growth balance method;

(e) mortality rates were extrapolated using projection methods; (f) International estimates considered up to 2017; (g) estimates of under-five, adult and old age mortality. In addition, the official estimates through 2007 have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Register through 2013; (b) adjusted for underregistration; (c) recent household deaths data by age and sex from the 1970-1972, 1983 EDEN and 2001, 2013 censuses; (d) recent household deaths adjusted at adult ages for underregistration using the growth balance method; (e) maternal orphanhood from the 1970-1972, 1983 EDEN; (f) indirect estimates of adult mortality based on widowhood data from the 1970-1972, 1983 EDEN; (g) International estimates considered up to 2017. In addition, the (a) recent household deaths data by age and sex from the 1988 Census; (b) siblings deaths from the 1996 ENESF and 1996 ENSM; (c) maternal orphanhood from the 1974, 1988 censuses have been considered.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination (Latin American countries, Spain and United States of America); (b) estimates derived as the differences between overall population growth and natural increase.

Hungary

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1949, 1960, 1970, 1980, 1990, 2001, 2011 censuses; (b) official estimates through 2018; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2016; (b) registered infant and child deaths through 2016; (c) International estimates used up to 2017.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2016; (b) registered deaths by age and sex available through 2016; (c) International estimates used up to 2017.

Migration: International migration based on: (a) official figures of net international migration flows, and assumed subsequent trends in international migration; (b) estimates derived as the differences between overall population growth and natural increase.

Iceland

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1950, 1960, 1970 censuses; (b) population register through 2017; (c) official estimates through 2017; (d) only total population for 2000, 2011 censuses; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) registered births classified by age of mother and the underlying female population by age through 2017; (b) adjusted for underregistration (total births 2016-2017). In addition, the official estimates of age-specific fertility rates through 2016 have been considered.

Child Mortality: Under-five mortality based on: registered infant and child deaths through 2017.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2015; (b) registered deaths by age and sex available through 2016; (c) International estimates used up to 2017.

Migration: International migration based on: (a) official figures of net international migration flows, and assumed subsequent trends in international migration; (b) estimates derived as the differences between overall population growth and natural increase.

India

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1951, 1961, 1971, 1981, 1991, 2001, 2011 censuses; (b) adjusted census for underenumeration; (c) 1970-2018 SRS survey estimates; (d) official estimates through 2018; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) birth-histories data from the 1992-1993, 1998-1999, 2005-2006, 2015-2016 NFHS; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1968-2016 SRS and 1979 SICM and 1980-1981 FPS and 1981, 1991, 2001, 2011 censuses and 1992-1993, 1998-1999, 2005-2006, 2015-2016 NFHS and 2007-2008 DLHS; (c) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1980-1981 FPS; (d) adjusted fertility using synthetic relational Gompertz model with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1979 SICM and 1981, 1991, 2001 censuses and 1992-1993, 1998-1999, 2005-2006 NFHS; (e) indirect estimates obtained from the application of the own-children method of fertility estimation to the 2002-2004, 2007-2008 DLHS. In addition, the (a) official estimates of age-specific fertility rates through 2016; (b) birth-histories data from the 2002-2004 DLHS and 2003 WHS and 2004-2005 HDS-I; (c) period parity progression ratios based on data on women and births in the preceding 12 months, both classified by age of mother and parity, from the 1992-1993, 1998-1999, 2005-2006 NFHS; (d) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1951 Census and 1998-1999 DLHS; (e) indirect estimates obtained using Mortara's method with data on children ever born by age of mother from the 2012-2014 DLHS have been considered.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2007; (b) registered infant and child deaths through 2016; (c) direct estimates from births and deaths under-five calculated from full birth histories data from the 1992-1993, 1998-1999, 2005-2006, 2015-2016 NFHS and 2002-2004 DLHS and 2004-2005 HDS-I; (d) indirect estimates from data on children ever born and surviving from the 1951, 1981, 1991, 2001, 2011 censuses and 1965-1966 NSS and 1970-1971 NFPS and 1972 FS and 1979 SICM and 1980-1981, 1988 FPS and 1998-1999, 2007-2008, 2012-2014 DLHS; (e) recent household deaths from the 1992-1993, 1998-1999, 2015-2016 NFHS and 2002-2004 DLHS; (f) International estimates used up to 2017.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) registered deaths by age and sex available through 2014; (b) adjusted for underreporting of infant and child deaths; (c) adult deaths adjusted for underregistration using the growth balance method; (d) adult deaths adjusted for underregistration using death distribution methods; (e) mortality rates for older ages were adjusted; (f) mortality rates were extrapolated using projection methods. In addition, the (a) official estimates through 2007; (b) registered deaths by age and sex available through 2014; (c) registered deaths by age and sex available through 2016; (d) adjusted for underreporting of infant and child deaths; (e) adult deaths adjusted for underregistration using the growth balance method; (f) adult deaths adjusted for underregistration using death distribution methods; (g) mortality rates for older ages were adjusted; (h) mortality rates were extrapolated using projection methods have been considered.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) information on the number of migrant workers or about labor migration.

Indonesia

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the 1961, 1971, 1980, 1990, 2000, 2010 censuses; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the official estimates through 2018 have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) birth-histories data from the 1976 WFS and 1987 CPS and 1991, 1994, 1997, 2002-2003, 2007 DHS and 2012 DHS Special; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 2015 PMA-R1; (c) indirect estimates obtained from the application of the own-children method of fertility estimation to the 1971, 1980, 1990, 2000, 2010 censuses and 1976, 2015 SUPAS and 1985 IPS and 2002 Annual SUSENAS. In addition, the (a) official estimates of age-specific fertility rates through 2018; (b) birth-histories data from the 1993-1994 IFLS1 and 1995, 2005 SUPAS and 2000 IFLS3 and 2002-2003, 2007 YARHS DHS Special and 2007-2008 IFLS4 and 2010 CPS; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1964-1965, 1969, 1979, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014 Annual SUSENAS and 1976 SUPAS II and 1980, 1990, 2010 censuses and 1985 IPS; (d) indirect estimates obtained from the application of the own-children method of fertility estimation to the 2000 Annual SUSENAS have been considered.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2014; (b) direct estimates from births and deaths under-five calculated from full birth histories data from the 1976 WFS and 1987, 2010 CPS and 1991, 1994, 1997, 2002-2003, 2007 DHS and 2012 DHS Special; (c) indirect estimates from data on children ever born and surviving from the 1971, 1980, 1990, 2000, 2010 censuses and 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010 Annual SUSENAS; (d) International estimates used up to 2018. In addition, the (a) indirect estimates from data on children ever born and surviving from the 1995 SUPAS; (b) recent household deaths from the 1964-1965 Annual SUSENAS have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) adjusted for underregistration (census 1990-2010, DHS 2002-2012); (b) International estimates used up to 2017; (c) estimates using LogQuad extended model life tables and estimates of under-five mortality (5q0), adult mortality (45q15) and old age mortality (15q60). In addition, the (a) official estimates through 2007; (b) registered deaths by age and sex available through 2012; (c) adjusted for underreporting of infant and child deaths; (d) adult deaths adjusted for underregistration using the growth balance method; (e) adult deaths adjusted for underregistration using death distribution methods; (f) mortality rates for older ages were adjusted; (g) mortality rates were extrapolated using projection methods have been considered.
Note: Data and methods utilized include (a) the estimates of infant and child mortality from IGME (www.childmortality.org, 2018) from 1951 to 2017, (b) the estimates of adult mortality 45Q15 from IHME (www.healthdata.org, 2018) from 1950 to 2017, (c) the estimates of old-age mortality 15Q60 from DCMD (www.lifetables.org, 2018) from 1995 to 2010, and (d) the three-input-parameter model life table (www.lifetables.org, 2018).

Adult and Old Age Mortality: Estimates derived from: (a) recent household deaths data by age and sex from the 1964-1965, 1995, 1996, 1997, 1998, 1999, 2000 Annual SUSENAS and 1990, 2000, 2010 censuses and 2007 DHS; (b) recent household deaths adjusted at adult ages for underregistration using death distribution methods; (c) siblings deaths from the 1994, 1997, 2002-2003, 2007 DHS and 2012 DHS Special; (d) intercensal survivorship from successive census age distributions; (e) International estimates used up to 2017. In addition, the (a) recent household deaths data by age and sex from the 1985 IPS and 1993-1994 IFLS1 and 1997 IFLS2 and 2007-2008 IFLS4; (b) recent household deaths adjusted at adult ages for underregistration using the growth balance method; (c) implied relationship between under-five mortality (5q0) and adult mortality (45q15) based on model life tables relationships have been considered.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) information on the number of migrant workers or

about labor migration; (c) estimates derived as the differences between overall population growth and natural increase.

Iran (Islamic Republic of)

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the 1956, 1966, 1976, 1986, 1991, 1996, 2006, 2011, 2016 censuses; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the official estimates through 2018 have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) birth-histories data from the 1996 MFS; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1966, 1976, 1986, 2011, 2016 censuses and 1973-1976, 1998 PGS and 1988, 1993 PS and 1991 IPS and 1996 PES and 2002 SCIH; (c) indirect estimates obtained from the application of the reverse survival method to the 2011, 2016 censuses; (d) indirect estimates obtained from the application of the own-children method of fertility estimation to the 1986, 1996, 2006, 2011 censuses and 2000 IDHS and 2010 MIDHS. In addition, the (a) official estimates of age-specific fertility rates through 2016; (b) birth-histories data from the 1973-1976 PGS and 1984, 1994 MFS and 1989 KAP and 2000 IDHS and 2010 MIDHS; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1991, 1996, 2006 censuses and 2000 IDHS; (d) cohort-completed fertility backdated by the mean age of childbearing from the 2016 Estimates and 1966, 1976, 1986, 1991, 1996, 2006, 2011 censuses and 1973-1976, 1998 PGS and 1983-2016 Register and 1988, 1993 PS and 1996 MFS and 1996 PES and 2002 SCIH and 2010 MIDHS have been considered.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2007; (b) registered infant and child deaths through 2015; (c) direct estimates from births and deaths under-five calculated from full birth histories data from the 1973-1976 PGS and 1984, 1994 MFS and 1989 KAP and 2000 IDHS and 2010 MIDHS; (d) indirect estimates from data on children ever born and surviving from the 1973 VIS and 1977 FS and 1986, 1996, 2006, 2011 censuses and 1987, 1992-1995, 2002 SCIH and 1990 MPC and 1991 BS and 1991 GHS and 1991 IPS and 1996 MFS and 1998 PGS; (e) recent household deaths from the 1973 VIS and 1973-1976, 1998 PGS and 1977 FS and 1984, 1994, 1996 MFS and 1986, 1996, 2006, 2011 censuses and 1987, 1992-1995 SCIH and 1990 MPC and 1991 IPS; (f) International estimates used up to 2017.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) registered deaths by age and sex available through 2000-2017; (b) adjusted for underreporting of infant and child deaths; (c) adult deaths adjusted for underregistration using the growth balance method; (d) International estimates considered up to 2017; (e) estimates using CD West model life tables and estimates of infant and under-five mortality (5q0), and adult mortality (45q15). In addition, the (a) official estimates through 2007; (b) registered deaths by age and sex available through 2015; (c) adjusted for underreporting of infant and child deaths; (d) adult deaths adjusted for underregistration using the growth balance method; (e) adult deaths adjusted for underregistration using death distribution methods; (f) mortality rates for older ages were adjusted; (g) mortality rates were extrapolated using projection methods have been considered. *Note:* For 1980-1988, excess mortality due to the war was factored in the overall mortality levels based on the PRIO Battle Deaths Dataset version 3.0, released in October 2009.

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Register through 2015; (b) adjusted for underregistration; (c) recent household deaths data by age and sex from the 1973 VIS and 1973-1976, 1998 PGS and 1977 FS and 1984, 1994, 1996 MFS and 1986, 1991, 1996 censuses and 1987, 1992-1995 SCIH and 1990 MPC and 1991 IPS and 2000 IDHS; (d) intercensal survivorship from successive census age distributions.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Iraq

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1957, 1965, 1977, 1987, 1997 censuses and 2009 HH Listing; (b) 2004 LCS and 2006, 2011 MICS and 2006-2007 FHS survey estimates; (c) official estimates through 2018 (including based on food ration system through July 2009); and with estimates of the subsequent trends in fertility, mortality and international migration.
Note: The population estimates refer to the whole of Iraq, including the three northern governorates.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2000; (b) birth-histories data from the 2004 LCS and 2006, 2011, 2018 MICS; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1974 FS and 1997 Census and 1999 CMMS and 2000 MICS; (d) indirect estimates obtained using Mortara's method with data on children ever born by age of mother from the 1987 Census and 1990 IDDMCMS; (e) indirect estimates obtained from the application of the reverse survival method to the 1957, 1965, 1977, 1987 censuses and 2000, 2011 MICS; (f) indirect estimates obtained from the application of the own-children method of fertility estimation to the 1997 Census and 2006 MICS. In addition, the (a) birth-histories data from the 1973-1975 DSS and 1989 CHS and 1991 ICMNS and 1999 CMMS and 2004 Mortality Survey and 2006-2007 FHS; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1973-1975 DSS and 1987 Census; (c) adjusted fertility using Arriaga modified P/F ratio method with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1974 FS and 1997 Census and 1999 CMMS; (d) indirect estimates obtained from stable population assumption have been considered.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2017; (b) direct estimates from births and deaths under-five calculated from full birth histories data from the 1973-1975 DSS and 1989 CHS and 1991 ICMNS and 1999 CMMS and 2004 LCS and 2004 Mortality Survey and 2006, 2011 MICS and 2006-2007 FHS; (c) indirect estimates from data on children ever born and surviving from the 1957, 1965, 1987, 1997 censuses and 1974 FS and 1990 IDDMCMS; (d) recent household deaths from the 1973-1975 DSS and 1987 Census and 2004 LCS and 2006-2007 FHS; (e) International estimates used up to 2017.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: estimates using CD West model life tables and estimates of infant and under-five mortality (5q0), and adult mortality (45q15). In addition, the official estimates through 2007 have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) recent household deaths data by age and sex from the 1973-1975 DSS and 1999 CMMS; (b) siblings deaths from the 1990 IDDMCMS and 2006-2007 FHS; (c) maternal orphanhood from the 1997 Census and 2004 LCS and 2006 MICS; (d) paternal orphanhood from the 1997 Census and 2004 LCS and 2006 MICS; (e) intercensal survivorship from successive census age distributions. In addition, the (a) recent household deaths data by age and sex from the 1987 Census and 2004 LCS and 2006-2007 FHS; (b) siblings deaths from the 1999 CMMS and 2004 LCS and 2011 Mortality Survey; (c) maternal orphanhood from the 1965, 1987 censuses; (d) paternal orphanhood from the 1965, 1987 censuses have been considered.
Note: For 1980-1988, excess mortality due to the war was factored in the overall mortality levels based on the PRIO Battle Deaths Dataset version 3.0, released in October 2009. For 2000-2005 and 2005-2010, excess mortality due to the war was factored in the overall mortality levels; there is a high level of uncertainty in the current estimates. The estimated numbers of war related deaths, as provided by the Iraqi Ministry of Health, have also been taken into account.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Ireland

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1951, 1956, 1961, 1966, 1971, 1979, 1981, 1986, 1991, 1996, 2002, 2006, 2011, 2016 censuses; (b) official estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2016; (b) registered births classified by age of mother and the underlying female population by age through 2017.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2012; (b) registered infant and child deaths through 2015.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2014; (b) registered deaths by age and sex available through 2017; (c) International estimates used up to 2017.
Note: The age pattern of mortality is based on life tables through 2014 from the Human Mortality Database.

Migration: International migration based on: (a) official figures of net international migration flows, and assumed subsequent trends in international migration; (b) estimates derived as the differences between overall population growth and natural increase.

Isle of Man

Population: Total population estimated to be consistent with the population of the (a) 1951, 1961, 1966, 1971, 1976, 1981, 1986, 1991, 1996, 2001, 2006, 2011, 2016 censuses; (b) official estimates through 2017; and the assumed subsequent trend in the growth rate of the population.

Israel

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1961, 1972, 1983, 1995, 2008 censuses; (b) official estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration.
Note: Population figures exclude the Arab population residing in East Jerusalem and include the Israeli citizens residing in the Occupied Palestinian Territory. Official annual population estimates for 1950-2017 from the Israeli Central Bureau of Statistics were also considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017.

Child Mortality: Under-five mortality based on: registered infant and child deaths through 2016.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2016; (b) registered deaths by age and sex available through 2016; (c) mortality rates for older ages were adjusted; (d) International estimates used up to 2017.

Migration: International migration based on: (a) official figures of net international migration flows, and assumed subsequent trends in international migration; (b) estimates derived as the differences between overall population growth and natural increase.

Italy

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1951, 1961, 1971, 1981, 2001, 2011 censuses; (b) official estimates through 2017; (c) only total population for 1991 Census; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2018; (b) registered infant and child deaths through 2018; (c) International estimates considered up to 2018.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2017; (b) registered deaths by age and sex available through 2017; (c) International estimates used up to 2017.

Migration: International migration based on: (a) official figures of net international migration flows, and assumed subsequent trends in international migration; (b) estimates derived as the differences between overall population growth and natural increase.

Jamaica

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1953 Survey and 1960, 1970, 1982, 1991, 2001, 2011 censuses; (b) official estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017; (c) birth-histories data from the 1975-1976 WFS and 1989, 1993 CPS and 1997, 2002-2003, 2008 RHS; (d) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1970, 2011 censuses and 1983 CPS and 2011 MICS ; (e) indirect estimates obtained from the application of the own-children method of fertility estimation to the 1970 Census.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2007; (b) registered infant and child deaths through 2016; (c) direct estimates from births and deaths under-five calculated from full birth histories data from the 1975-1976 WFS and 1989, 1993 CPS and 1997, 2008 RHS; (d) indirect estimates from data on children ever born and surviving from the 1960, 1970, 1982, 1991, 2001, 2011 censuses and 1983 CPS and 2000, 2005 MICS and 2011 MICS ; (e) International estimates used up to 2018.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) registered deaths by age and sex available through 2016; (b) adjusted for underregistration; (c) International estimates used up to 2017; (d) estimates using LogQuad extended model life tables and estimates of under-five mortality (5q0), adult mortality (45q15) and old age mortality (15q60). In addition, the (a) official estimates through 2007; (b) adjusted for underreporting of infant and child deaths; (c) adult deaths adjusted for underregistration using the growth balance method; (d) adult deaths adjusted for underregistration using death distribution methods; (e) mortality rates for older ages were adjusted; (f) mortality rates were extrapolated using projection methods have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Register through 2011; (b) intercensal survivorship from successive census age distributions; (c) International estimates used up to 2017. In addition, the (a) recent household deaths data by age and sex from the 2001, 2011 censuses; (b) recent household deaths adjusted at adult ages for underregistration using the growth balance method; (c) recent household deaths adjusted at adult ages for underregistration using death distribution methods; (d) implied relationship between under-five mortality (5q0) and adult mortality (45q15) based on model life tables relationships have been considered.

Migration: International migration based on: (a) official figures of net international migration flows, and assumed subsequent trends in international migration; (b) estimates derived as the differences between overall population growth and natural increase.

Japan

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1950, 1955, 1960, 1965, 1970, 1975, 1980, 1985, 1990, 1995, 2000, 2005, 2010, 2015 censuses; (b) official estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2016; (b) registered infant and child deaths through 2016.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2016; (b) registered deaths by age and sex available through 2017; (c) International estimates used up to 2017.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Jordan

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1961, 1979, 1994, 2004 censuses; (b) only total population for 1952 Census; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the (a) 2015 Census; (b) official estimates through 2017 have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 1969-1979, 2007; (b) birth-histories data from the 1976 WFS and 1983 FFHS and 1990, 1997, 2002, 2007, 2012, 2017-2018 DHS and 2009 DHS Interim; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1961 Census and 1981 DS and 1982 MS; (d) indirect estimates obtained using Mortara's method with data on children ever born by age of mother from the 1961, 1979 censuses and 1972 NFS and 1988, 1990 EPI-CDDCM. In addition, the (a) official estimates of age-specific fertility rates through 2016; (b) birth-histories data from the 1995-1996 VAS and 1996 LCS; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1976 WFS and 1994 Census; (d) indirect estimates obtained using Mortara's method with data on children ever born by age of mother from the 1994 Census; (e) indirect estimates obtained from the application of the own-children method of fertility estimation to the 1981 DS have been considered.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2014; (b) direct estimates from births and deaths under-five calculated from full birth histories data from the 1976 WFS and 1983 FFHS and 1990, 1997, 2002, 2007, 2012, 2017-2018 DHS and 1995-1996 VAS and 1996 LCS and 2009 DHS Interim; (c) indirect estimates from data on children ever born and surviving from the 1961, 1979, 1994 censuses and 1972 NFS and 1981 DS and 1988, 1990 EPI-CDDCM and 1998, 1999, 2000, 2001 Annual JAFS; (d) recent household deaths from the 2015 Census; (e) International estimates used up to 2017.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: estimates using CD West model life tables and estimates of infant and under-five mortality (5q0), and adult mortality (45q15). In addition, the (a) official estimates through 2007; (b) registered deaths by age and sex available through 2016; (c) adjusted for underreporting of infant and child deaths; (d) adult deaths adjusted for underregistration using the growth balance method; (e) adult deaths adjusted for underregistration using

death distribution methods; (f) mortality rates for older ages were adjusted; (g) mortality rates were extrapolated using projection methods have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) recent household deaths data by age and sex from the 1994, 2015 censuses; (b) siblings deaths from the 1997 DHS; (c) maternal orphanhood from the 1976 WFS and 1981 DS; (d) paternal orphanhood from the 1976 WFS and 1981 DS; (e) indirect estimates of adult mortality based on widowhood data from the 1961, 1979 censuses and 1976 WFS.
Note: Estimates of adult mortality (45q15) implied by the relationship between child mortality and adult mortality based on the South model of the Coale-Demeny Model Life Tables in 1950-1955 and assumed to converge over time toward the West model of the Coale-Demeny Model Life Tables by the 1980s.

Migration: International migration based on: (a) official figures of net international migration flows, and assumed subsequent trends in international migration; (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.
Note: For the projection period, it is assumed that 40 per cent of Syrian refugees return in 2020-20205, 30 per cent in 2025-2030 and 10 per cent in 2030-2035.

Kazakhstan

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1959, 1970, 1979, 1989, 1999, 2009 censuses; (b) official estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017; (c) birth-histories data from the 1995, 1999 DHS; (d) births in the household in the preceding 12 (or 24) months classified by age of mother from the 2010-2011, 2015 MICS.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2017; (b) registered infant and child deaths through 2017; (c) direct estimates from births and deaths under-five calculated from full birth histories data from the 1995, 1999 DHS; (d) indirect estimates from data on children ever born and surviving from the 1989, 1999 censuses and 1996 LSMS and 2006, 2010-2011, 2015 MICS.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2017; (b) registered deaths by age and sex available through 2017; (c) adjusted for underreporting of infant and child deaths.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Kenya

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1962, 1969, 1979, 1989, 1999, 2009 censuses; (b) adjusted censuses for underenumeration; (c) official estimates through 2018; (d) only total population for 1948 Census; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) birth-histories data from the 1977-1978 WFS and 1989, 1993, 1998, 2003, 2008-2009, 2014 DHS and 2009 MHS and 2010, 2015 MIS; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1962, 1969, 1979, 1989, 1999, 2009 censuses and 2014 PMA-R1 and 2014 PMA-R2 and 2015 PMA-R3 and 2015 PMA-R4 and 2016 PMA-R5 and 2017 PMA-R6. In addition, the (a) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1984 CPS; (b) adjusted fertility using

synthetic relational Gompertz model with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1989, 1999 censuses; (c) indirect estimates obtained using Mortara's method with data on children ever born by age of mother from the 1983 NDS and 1994 WMS and 2000 MICS and 2012-2013 AIS have been considered.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 1977-1978 WFS and 1989, 1993, 1998, 2003, 2008-2009, 2014 DHS and 2010, 2015 MIS; (b) indirect estimates from data on children ever born and surviving from the 1962, 1969, 1979, 1989, 1999, 2009 censuses and 1977, 1983 NDS and 1994 WMS and 2000 MICS and 2012-2013 AIS; (c) recent household deaths from the 2007 AIS; (d) International estimates used up to 2017. In addition, the (a) registered infant and child deaths through 2009; (b) recent household deaths from the 2009 Census have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2007; (b) International estimates used up to 2017; (c) The demographic impact of AIDS has been factored into the mortality estimates; (d) estimates using HIV/AIDS model life tables and estimates of under-five mortality (5q0) and adult mortality (45q15) with UNAIDS estimates of adult HIV prevalence, and ART coverage for children and adults.

Adult and Old Age Mortality: Estimates derived from: (a) recent household deaths data by age and sex from the 2009 Census; (b) recent household deaths adjusted at adult ages for underregistration using the growth balance method; (c) siblings deaths from the 1989, 1998, 2003, 2008-2009, 2014 DHS; (d) maternal orphanhood from the 1969, 1989, 1999, 2009 censuses and 1977-1978 WFS and 1989, 1993, 1998, 2003, 2014 DHS and 2000 MICS; (e) paternal orphanhood from the 1969, 1989, 1999, 2009 censuses and 1977-1978 WFS and 1989, 1998, 2003 DHS; (f) intercensal survivorship from successive census age distributions; (g) International estimates used up to 2017.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Kiribati

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the 1978, 1985, 1990, 1995, 2000, 2005, 2010, 2015 censuses; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the (a) 1963, 1968, 1973 censuses; (b) official estimates through 2013 have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 1995; (b) registered births classified by age of mother and the underlying female population by age through 2005; (c) birth-histories data from the 2009 DHS; (d) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1973, 1978, 1985, 1990, 1995, 2000, 2005, 2010 censuses; (e) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1978 Census; (f) adjusted fertility using Arriaga modified P/F ratio method with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 2000 Census; (g) indirect estimates obtained from the application of the own-children method of fertility estimation to the 1978, 1985 censuses. In addition, the adjusted fertility using Arriaga modified P/F ratio method with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 2005 Census have been considered.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2016; (b) direct estimates from births and deaths under-five calculated from full birth histories data from the 2009 DHS; (c) indirect estimates from data on children ever born and surviving from the 1963, 1968, 1973, 1978, 1985, 1990, 1995, 2000, 2005, 2010 censuses; (d) recent household deaths from the 2010 Census; (e) International estimates used up to 2018.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2010; (b) registered deaths by age and sex available through 2005; (c) International estimates used up to 2017; (d) estimates using LogQuad extended model life tables and estimates of under-five mortality (5q0), adult mortality (45q15) and old age mortality (15q60). In addition, the (a) official estimates through 2007; (b) adjusted for underreporting of infant and child deaths; (c) adult deaths adjusted for underregistration using the growth balance method; (d) adult deaths adjusted for underregistration using death distribution methods; (e) mortality rates for older ages were adjusted; (f) mortality rates were extrapolated using projection methods have been considered.
Note: Data and methods utilized include (a) the estimates of infant and child mortality from IGME (www.childmortality.org, 2018) from 1963 to 2017, (b) the estimates of adult mortality 45Q15 from WPP2017, (c) the estimates of old-age mortality 15Q60 from DCMD (www.lifetables.org, 2018) from 1973 to 2010, and (d) the three-input-parameter model life table (www.lifetables.org, 2018).

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Register through 2005; (b) adjusted for underregistration (1990-2005); (c) recent household deaths data by age and sex from the 2010 Census; (d) recent household deaths adjusted at adult ages for underregistration using death distribution methods; (e) intercensal survivorship from successive census age distributions; (f) International estimates used up to 2017. In addition, the (a) maternal orphanhood from the 1995, 2000, 2005, 2010 censuses; (b) paternal orphanhood from the 1995, 2000, 2005, 2010 censuses; (c) implied relationship between under-five mortality (5q0) and adult mortality (45q15) based on model life tables relationships have been considered.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Kuwait

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1957, 1961, 1965, 1970, 1975, 1980, 1985, 1995, 2005, 2011 censuses; (b) official estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2014; (b) registered births classified by age of mother and the underlying female population by age through 2016; (c) adjusted for underregistration. In addition, the (a) birth-histories data from the 1987 CHS and 1996 FHS; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1975, 1980, 1995 censuses; (c) indirect estimates obtained using Mortara's method with data on children ever born by age of mother from the 1957, 1970 censuses have been considered.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2015; (b) registered infant and child deaths through 2015; (c) direct estimates from births and deaths under-five calculated from full birth histories data from the 1996 FHS; (d) indirect estimates from data on children ever born and surviving from the 1957, 1970, 1975, 1980, 1995 censuses and 1987 CHS; (e) International estimates used up to 2017.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) registered deaths by age and sex available through 2016; (b) adjusted for underreporting of infant and child deaths; (c) mortality rates for older ages were adjusted; (d) mortality rates were extrapolated using projection methods.
Note: For 1950-1965, life tables were derived from estimates of infant and child mortality by assuming that the age pattern of mortality conforms to the South model of the Coale-Demeny Model Life Tables in 1950-1955 and converges over time toward the estimated 1965-1970 life table.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Kyrgyzstan

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1959, 1970, 1979, 1989, 1999, 2009 censuses; (b) official estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017; (c) birth-histories data from the 1997 DHS. In addition, the birth-histories data from the 1996, 1997, 1998 LSMS and 2012 DHS and 2014 MICS have been considered.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2016; (b) direct estimates from births and deaths under-five calculated from full birth histories data from the 1997, 2012 DHS and 2014 MICS; (c) indirect estimates from data on children ever born and surviving from the 2005-2006 MICS. In addition, the (a) registered infant and child deaths through 2016; (b) indirect estimates from data on children ever born and surviving from the 1999, 2009 censuses have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2016; (b) registered deaths by age and sex available through 2016; (c) adjusted for underreporting of infant and child deaths; (d) mortality rates for older ages were adjusted.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Lao People's Democratic Republic

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1995, 2005, 2015 censuses; (b) adjusted censuses for underenumeration; (c) only total population for 1985 Census; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the official estimates through 2018 have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) birth-histories data from the 1994-1995 FBSS and 2000, 2005 RHS and 2011-2012, 2017 DHS-MICS Special; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1986-1988 Survey and 1993 SIS and 1994-1995 FBSS and 1995, 2005, 2015 censuses and 2003 WHS and 2006 MICS; (c) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1995 Census; (d) adjusted fertility using Arriaga modified P/F ratio method with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1994-1995 FBSS; (e) adjusted fertility using synthetic relational Gompertz model with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1986-1988 Survey and 1993 SIS and 1995, 2005 censuses and 2000 ARHS and 2005 RHS; (f) indirect estimates obtained from the application of the reverse survival method to the 2015 Census; (g) indirect estimates obtained from the application of the own-children method of fertility estimation to the 2000, 2006 MICS and 2003 WHS; (h) indirect estimates obtained from stable population assumption. In addition, the (a) official estimates of age-specific fertility rates through 2015; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 2000 ARHS and 2000 MICS; (c) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 2005 Census; (d) adjusted fertility using Arriaga modified P/F ratio method with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1993 SIS and 2000 ARHS and 2005 Census; (e) adjusted fertility using synthetic relational Gompertz model with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 2000 RHS; (f) indirect estimates obtained from stable population assumption have been considered.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 1994-1995 FBSS and 2000, 2005 RHS and 2011-2012 DHS-MICS Special; (b) indirect estimates from data on children ever born and surviving from the 1993 SIS and 1995, 2005 censuses; (c) International estimates used up to 2017. In addition, the indirect estimates from data on children ever born and surviving from the 2015 Census have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: estimates of under-five mortality (5q0) by assuming that the age pattern of mortality conforms to the CD West model life tables. In addition, the official estimates through 2007 have been considered.

Migration: International migration based on: (a) estimates derived as the differences between overall population growth and natural increase; (b) UNHCR statistics on the number of refugees in the main countries of asylum.

Latvia

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1959, 1970, 1979, 1989, 2000, 2011 censuses; (b) official estimates through 2018; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2016; (b) registered infant and child deaths through 2016; (c) adjusted for underregistration.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2016; (b) registered deaths by age and sex available through 2016.

Migration: International migration based on: (a) official figures of net international migration flows, and assumed subsequent trends in international migration; (b) estimates derived as the differences between overall population growth and natural increase.

Lebanon

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1970 Survey and 1995-1996 PHS and 2004 HLCS and 2007 LCS and 2009 MICS survey estimates; (b) official estimates through 2004; (c) adjusted to reflect de-facto population; and with estimates of the subsequent trends in fertility, mortality and international migration. *Note:* In the absence of census since 1943, population estimates are based on surveys and figures provided by the Central Administration for Statistics of Lebanon (CAS), adjusted to take into account the number of Palestinians residing in camps.

Fertility: Total fertility rate and age pattern of fertility based on: (a) registered births classified by age of mother and the underlying female population by age through 2014; (b) birth-histories data from the 1996 MCHS and 2004 FHS; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1971 NFFPS and 1995-1996 PHS; (d) indirect estimates obtained from the application of the reverse survival method to the 1970 Survey and 2004 HLCS and 2007 LCS and 2009 MICS; (e) indirect estimates obtained from the application of the own-children method of fertility estimation to the 1995-1996 PHS. In addition, the (a) birth-histories data from the 1995-1996 PHS; (b) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1995-1996 PHS; (c) indirect estimates obtained using Mortara's method with data on children ever born by age of mother from the 1971 Migration Survey and 1990 EPI-CDD-IMR Survey and 2000 MICS have been considered.

Note: For the periods 2010-2015 and 2015-2020, total fertility was adjusted to account for different fertility patterns of large Syrian refugee population.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2017; (b) direct estimates from births and deaths under-five calculated from full birth histories data from the 1995-1996 PHS and 1996 MCHS and 2004 FHS; (c) indirect estimates from data on children ever born and surviving from the 1971 Migration Survey and 1971 NFFPS and 1990 EPI-CDD-IMR Survey and 2000, 2009 MICS; (d) International estimates used up to 2017.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: estimates of under-five mortality (5q0) by assuming that the age pattern of mortality conforms to the CD West model life tables. In addition, the (a) official estimates through 2007; (b) registered deaths by age and sex available through 2017 have been considered.
Note: For the period 2010-2020, life expectancy at birth was adjusted to account for different mortality patterns of large Syrian refugee population.

Migration: International migration based on: (a) estimates derived as the differences between overall population growth and natural increase; (b) UNHCR statistics on the number of refugees in the main countries of asylum.
Note: For the projection period, it is assumed that 40 per cent of Syrian refugees return in 2020-2025, 30 per cent in 2025-2030 and 10 per cent in 2030-2035.

Lesotho

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1956, 1966, 1976, 1986, 1996, 2006, 2016 censuses; (b) adjusted censuses for underenumeration; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2011; (b) birth-histories data from the 1977 WFS and 2004, 2009, 2014 DHS; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1971-1973 DS and 1976, 1986, 1996, 2006, 2016 censuses; (d) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1976, 1986, 1996, 2006 censuses. In addition, the (a) births in the household in the preceding 12 (or 24) months classified by age of mother from the 2002 RHS and 2011 DS; (b) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 2002 RHS; (c) adjusted fertility using Arriaga modified P/F ratio method with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 2002 RHS; (d) adjusted fertility using synthetic relational Gompertz model with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 2002 RHS and 2011 DS have been considered.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 1977 WFS and 2004, 2009, 2014 DHS; (b) indirect estimates from data on children ever born and surviving from the 1968-1969 CES and 1971-1973, 2001, 2011 DS and 1976, 1986, 1996, 2006, 2016 censuses and 2000 MICS; (c) International estimates used up to 2018. In addition, the recent household deaths from the 1971-1973, 2001 DS and 1976, 1986, 1996, 2006, 2016 censuses and 1977 WFS have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) International estimates considered up to 2017; (b) The demographic impact of AIDS has been factored into the mortality estimates; (c) estimates using HIV/AIDS model life tables and estimates of under-five mortality (5q0) and adult mortality (45q15) with UNAIDS estimates of adult HIV prevalence, and ART coverage for children and adults. In addition, the official estimates through 2007 have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) recent household deaths data by age and sex from the 1971-1973, 2001 DS and 1977 WFS and 1980 Survey and 1996, 2006 censuses; (b) siblings deaths from the 2004, 2009, 2014 DHS; (c) International estimates used up to 2017. In addition, the (a) recent household deaths data by age and sex from the 1986, 2016 censuses; (b) maternal orphanhood from the 1971-1973, 2001 DS and 1977 WFS and 1986, 1996, 2006, 2016 censuses and 2004, 2009, 2014 DHS; (c) paternal orphanhood from the 1971-1973, 2001 DS and 1977 WFS and 1986, 1996, 2006, 2016 censuses and 2009, 2014 DHS; (d) indirect estimates of adult mortality based on widowhood data from the 1977 WFS and 1986, 2006 censuses and 2001 DS have been considered.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) information on the number of migrant workers or about labor migration (in South Africa); (c) estimates derived as the differences between overall population growth and natural increase; (d) UNHCR statistics on the number of refugees in the main countries of asylum.

Liberia

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1962, 1974, 1984, 2008 censuses; (b) official estimates through 2014; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2014; (b) birth-histories data from the 1986, 2007, 2013 DHS and 2009, 2011, 2016 MIS; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1984 Census and 1999-2000 DHS; (d) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1984 Census. In addition, the (a) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1970, 1971 PGS and 1974, 2008 censuses; (b) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1970, 1971 PGS and 1974, 2008 censuses; (c) indirect estimates obtained from the application of the reverse survival method to the 2016 MIS; (d) indirect estimates obtained from the application of the own-children method of fertility estimation to the 2009, 2011 MIS have been considered.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 1971; (b) direct estimates from births and deaths under-five calculated from full birth histories data from the 1971 PGS and 1986, 2007, 2013 DHS and 2009 MIS; (c) indirect estimates from data on children ever born and surviving from the 1974, 1984 censuses and 2011, 2016 MIS; (d) International estimates used up to 2017. In addition, the (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 1970 PGS and 1999-2000 DHS; (b) indirect estimates from data on children ever born and surviving from the 2008 Census; (c) recent household deaths from the 2008 Census have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) International estimates considered up to 2017; (b) The demographic impact of AIDS has been factored into the mortality estimates; (c) estimates using HIV/AIDS model life tables and estimates of under-five mortality (5q0) and adult mortality (45q15) with UNAIDS estimates of adult HIV prevalence, and ART coverage for children and adults. In addition, the (a) official estimates through 2007; (b) registered deaths by age and sex available through 1971 have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) recent household deaths data by age and sex from the 1971 Register and 1970, 1971 PGS; (b) siblings deaths from the 2007, 2013 DHS; (c) maternal orphanhood from the 2007, 2013 DHS; (d) International estimates considered up to 2017. In addition, the recent household deaths data by age and sex from the 2008 Census have been considered.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) estimates derived as the differences between overall

population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Libya

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1954, 1964, 1973, 1984, 2006 censuses; (b) official estimates through 2015; (c) only total population for 1995 Census; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the 2012 National Survey survey estimates have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2009; (b) birth-histories data from the 1995 MCH and 2007 FHS; (c) indirect estimates obtained from the application of the reverse survival method to the 1954, 1973, 1984, 2006 censuses and 2012 National Survey. In addition, the birth-histories data from the 2014 NFHS have been considered.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2008; (b) direct estimates from births and deaths under-five calculated from full birth histories data from the 1995 MCH and 2007 FHS and 2014 NFHS; (c) indirect estimates from data on children ever born and surviving from the 1973 Census and 2003 MICS; (d) International estimates used up to 2017.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) International estimates considered up to 2017; (b) estimates using CD West model life tables and estimates of under-five mortality (5q0), and adult mortality (45q15).

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Register through 2011; (b) recent household deaths data by age and sex from the 1995 MCH; (c) International estimates considered up to 2017. In addition, the recent household deaths data by age and sex from the 1973 Census have been considered.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Liechtenstein

Population: Total population estimated to be consistent with the population of the (a) 1950, 1960, 1970, 1990, 2000, 2010 censuses; (b) official estimates through 2018; (c) only total population for 1980, 2015 censuses; and the assumed subsequent trend in the growth rate of the population.

Lithuania

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1959, 1970, 1979, 1989, 2001, 2011 censuses; (b) official estimates through 2018; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2017; (b) registered infant and child deaths through 2017; (c) adjusted for underregistration.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2016; (b) registered deaths by age and sex available through 2016.

Migration: International migration based on: (a) official figures of net international migration flows, and assumed subsequent trends in international migration; (b) estimates derived as the differences between overall population growth and natural increase.

Luxembourg

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1960, 1966, 1970, 1981, 1991, 2001, 2011 censuses; (b) population register through 2018; (c) adjusted to reflect de-facto population; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2016; (b) registered infant and child deaths through 2016.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2016; (b) registered deaths by age and sex available through 2017; (c) International estimates considered up to 2017.

Migration: International migration based on: (a) estimates of migrant flows, and assumed subsequent trends in international migration; (b) estimates derived as the differences between overall population growth and natural increase.

Madagascar

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1975, 1993 censuses; (b) official estimates through 2011; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the (a) 1951 Census; (b) official estimates through 2014 have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) birth-histories data from the 1992, 1997, 2003-2004, 2008-2009 DHS and 2011, 2013, 2016 MIS and 2017 TRaC; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1966 ED and 1975, 1993 censuses and 1980 Survey. In addition, the (a) official estimates of age-specific fertility rates through 2004; (b) birth-histories data from the 2012-2013 ENSOMD; (c) indirect estimates obtained using Mortara's method with data on children ever born by age of mother from the 1995, 2000 MICS and 2012 MICS South; (d) cohort-completed fertility backdated by the mean age of childbearing from the 2004 Estimates and 1966 ED and 1975, 1993 censuses and 1980 Survey and 1992, 1997, 2003-2004, 2008-2009 DHS and 2011, 2013, 2016 MIS have been considered.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 1993; (b) direct estimates from births and deaths under-five calculated from full birth histories data from the 1992, 1997, 2003-2004, 2008-2009 DHS; (c) indirect estimates from data on children ever born and surviving from the 1993 Census and 1995, 2000 MICS and 2013, 2016 MIS; (d) International estimates used up to 2018. In addition, the (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 2011 MIS and 2012-2013 ENSOMD; (b) indirect estimates from data on children ever born and surviving from the 1966 ED; (c) recent household deaths from the 1966 ED and 1993 Census have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: estimates using CD North model life tables and estimates of under-five mortality (5q0), and adult mortality (45q15).

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Register through 1993; (b) adjusted for underregistration; (c) recent household deaths data by age and sex from the 1966 ED and 1975, 1993 censuses; (d) siblings deaths from the 1992, 1997, 2003-2004, 2008-2009, 2016 DHS. In addition, the (a) maternal orphanhood from the 1992, 1997, 2003-2004, 2008-2009, 2016 DHS and 1993 Census and 2000 MICS; (b) paternal orphanhood from the 1993 Census have been considered.

Migration: International migration based on: information on foreign-born populations from censuses and registers from major countries of destination.

Malawi

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1966, 1977, 1987, 1998, 2008, 2018 censuses; (b) official estimates through 2016; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2008; (b) birth-histories data from the 1984 FFS and 1992, 2000, 2004, 2010, 2015-2016 DHS and 2006, 2013-2014 MICS and 2012, 2014, 2017 MIS; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1970-1972 PCS and 1977, 1998, 2008 censuses. In addition, the births in the household in the preceding 12 (or 24) months classified by age of mother from the 1982 MDS and 1987 Census have been considered.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 1997; (b) direct estimates from births and deaths under-five calculated from full birth histories data from the 1970-1972 PCS and 1984 FFS and 1992, 2000, 2004, 2010, 2015-2016 DHS and 2006, 2013-2014 MICS; (c) indirect estimates from data on children ever born and surviving from the 1977, 1987, 1998, 2008 censuses and 1982 MDS and 2014, 2017 MIS; (d) International estimates used up to 2017. In addition, the (a) indirect estimates from data on children ever born and surviving from the 2012 MIS; (b) recent household deaths from the 1970-1972 PCS and 1977, 1987, 1998, 2008 censuses and 1984 FFS and 1997-1998, 2004-2005, 2010-2011 IHS and 2010 DHS have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) International estimates considered up to 2017; (b) The demographic impact of AIDS has been factored into the mortality estimates; (c) estimates using HIV/AIDS model life tables and estimates of under-five mortality (5q0) and adult mortality (45q15) with UNAIDS estimates of adult HIV prevalence, and ART coverage for children and adults. In addition, the official estimates through 2007 have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) recent household deaths data by age and sex from the 1970-1972 PCS and 1977, 1987, 1998, 2008 censuses and 1984 FFS and 2004-2005, 2010-2011 IHS and 2010 DHS; (b) recent household deaths adjusted at adult ages for underregistration using death distribution methods; (c) siblings deaths from the 1992, 2000, 2004, 2010, 2015-2016 DHS and 2013-2014 MICS; (d) International estimates considered up to 2017.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) information on the number of migrant workers or about labor migration; (c) estimates derived as the differences between overall population growth and natural increase; (d) UNHCR statistics on the number of refugees in the main countries of asylum.

Malaysia

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1960, 1970, 1980, 1991, 2000, 2010 censuses; (b) official estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2016; (b) registered births classified by age of mother and the underlying female population by age through 2016; (c) birth-histories data from the 1974 WFS.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2010; (b) registered infant and child deaths through 2017; (c) direct estimates from births and deaths under-five calculated from full birth histories data from the 1974 WFS and 1976-1977, 1988 FLS; (d) indirect estimates from data on children ever born and surviving from the 1970, 1980, 2000, 2010 censuses; (e) International estimates used up to 2018.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) registered deaths by age and sex available through 2000-2017; (b) International estimates used up to 2017; (c) estimates using LogQuad extended model life tables and estimates of under-five mortality (5q0), adult mortality (45q15) and old age mortality (15q60). In addition, the official estimates through 2010 have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Register through 2017; (b) recent household deaths adjusted at adult ages for underregistration using death distribution methods; (c) intercensal survivorship from successive census age distributions; (d) International estimates used up to 2017. In addition, the implied relationship between under-five mortality (5q0) and adult mortality (45q15) based on model life tables relationships have been considered.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) estimates derived as the differences between overall population growth and natural increase.

Maldives

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1965, 1974, 1977, 1985, 1990, 1995, 2000, 2006, 2014 censuses; (b) official estimates through 2018; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the (a) 1967 Census; (b) only total population for 1956, 1957, 1958, 1959 censuses have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2014; (b) birth-histories data from the 2009, 2016-2017 DHS; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1977, 1985, 1990, 1995, 2000, 2006, 2014 censuses and 2002 FS; (d) indirect estimates obtained from the application of the reverse survival method to the 2006, 2014 censuses; (e) indirect estimates obtained from the application of the own-children method of fertility estimation to the 1995, 2000 censuses. In addition, the (a) births in the household in the preceding 12 (or 24) months classified by age of mother from the 2004 VPA; (b) adjusted fertility using Arriaga modified P/F ratio method with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1990, 1995, 2000, 2006 censuses; (c) indirect estimates obtained using Mortara's method with data on children ever born by age of mother from the 1997-1998 VPA and 2004 RHBS; (d) indirect estimates obtained from the application of the reverse survival method to the 1977, 1985, 1990 censuses have been considered.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2014; (b) direct estimates from births and deaths under-five calculated from full birth histories data from the 2009, 2016-2017 DHS; (c) indirect estimates from data on children ever born and surviving from the 1977, 1985, 1990, 1995, 2000, 2006 censuses and 1997-1998, 2004 VPA and 2002 FS and 2004 RHBS; (d) International estimates used up to 2017. In addition, the recent household deaths from the 1977, 1990, 2000 censuses have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) registered deaths by age and sex available through 2016; (b) adjusted for underreporting of infant and child deaths; (c) adult deaths adjusted for underregistration using death distribution methods; (d) mortality rates for older ages were adjusted; (e) mortality rates were extrapolated using projection methods; (f) estimates of under-five,

adult and old age mortality. In addition, the official estimates through 2007 have been considered. *Note:* For 1950-1975, life tables were derived from estimates of infant and child mortality by assuming that the age pattern of mortality conforms to the South-Asian model of the United Nations Model Life Tables in 1950-1955 and converges over time toward the estimated 1975-1980 life table.

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Register through 2016; (b) adjusted for underregistration. In addition, the (a) recent household deaths data by age and sex from the 1977, 1985, 1990, 2000 censuses; (b) maternal orphanhood from the 1997-1998, 2004 VPA and 2000 Census; (c) paternal orphanhood from the 1997-1998, 2004 VPA and 2000 Census have been considered.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Mali

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1976, 1987, 1998, 2009 censuses; (b) adjusted censuses for underenumeration; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 1987; (b) birth-histories data from the 1987, 1995-1996, 2001, 2006 DHS and 2010 DHS-NS and 2012-2013 DHS and 2015 MICS and 2015 MIS; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1956-1958, 1960-1961 ED and 1987, 2009 censuses; (d) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1956-1958, 1960-1961 ED and 1987 Census; (e) indirect estimates obtained from the application of the reverse survival method to the 2015 MICS; (f) indirect estimates obtained from the application of the own-children method of fertility estimation to the 1987, 1998 censuses and 2003 WHS; (g) cohort-completed fertility backdated by the mean age of childbearing from the 1960-1961 ED and 1987, 1998, 2009 censuses and 1987, 1995-1996, 2001, 2006 DHS and 2012-2013 DHS and 2015 MICS. In addition, the (a) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1976, 1998 censuses; (b) cohort-completed fertility backdated by the mean age of childbearing from the 1956-1958 ED have been considered.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 1987; (b) direct estimates from births and deaths under-five calculated from full birth histories data from the 1987, 1995-1996, 2001, 2006 DHS and 2010 DHS-NS and 2012-2013 DHS and 2015 MICS; (c) indirect estimates from data on children ever born and surviving from the 1956-1958, 1960-1961 ED and 1976, 1987, 1998 censuses; (d) International estimates used up to 2018. In addition, the (a) indirect estimates from data on children ever born and surviving from the 2009 Census and 2015 MIS; (b) recent household deaths from the 1956-1958, 1960-1961 ED and 1976, 1987, 1998, 2009 censuses have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) International estimates considered up to 2017; (b) estimates using CD South model life tables and estimates of infant and under-five mortality (5q0), and adult mortality (45q15). In addition, the (a) official estimates through 2007; (b) adjusted for underreporting of infant and child deaths; (c) adult deaths adjusted for underregistration using the growth balance method; (d) adult deaths adjusted for underregistration using death distribution methods; (e) mortality rates for older ages were adjusted; (f) mortality rates were extrapolated using projection methods have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) recent household deaths data by age and sex from the 1956-1958, 1960-1961 ED and 1976, 1987, 1998, 2009 censuses; (b) recent household deaths adjusted at adult ages for underregistration using the growth balance method; (c) recent household deaths adjusted at adult ages for underregistration using death distribution methods; (d) siblings deaths from the 1995-1996, 2001, 2006 DHS and 2012-2013 DHS ; (e) maternal orphanhood from the 1995-1996, 2001,

2006 DHS; (f) paternal orphanhood from the 1995-1996, 2001, 2006 DHS; (g) intercensal survivorship from successive census age distributions; (h) International estimates considered up to 2017.
Note: The mortality age patterns is based on the implied relationship between child mortality and adult mortality and the North model of the Coale-Demeny Model Life Tables in 1950-55, and assumed to converge over time toward the South model of the Coale-Demeny Model Life Tables by the 1980s.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.
Note: REMUAO surveys carried out by CERPOD were also considered.

Malta

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1957, 1967, 1985, 1995, 2005, 2011 censuses; (b) official estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the 1948 Census have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2014; (b) registered births classified by age of mother and the underlying female population by age through 2017.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2018; (b) registered infant and child deaths through 2016; (c) International estimates used up to 2018.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2017; (b) registered deaths by age and sex available through 2017; (c) International estimates used up to 2017.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Marshall Islands

Population: Total population estimated to be consistent with the population of the (a) 1988, 1999 censuses; (b) official estimates through 2013; (c) only total population for 1980, 2011 censuses; (d) International estimates considered up to 2017; and the assumed subsequent trend in the growth rate of the population.

Martinique

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1961, 1967, 1974, 1982, 1990, 1999, 2006, 2015 censuses; (b) official estimates through 2018; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the 1954 Census have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017. In addition, the cohort-completed fertility backdated by the mean age of childbearing from the 2013 Estimates and 1950-2017 Register have been considered.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2015; (b) registered infant and child deaths through 2007.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2017; (b) registered deaths by age and sex available through 2015.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Mauritania

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1976-1977, 1988, 2000, 2013 censuses; (b) adjusted censuses for underenumeration; (c) official estimates through 2016; (d) only total population for 1964-1965 PS; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) birth-histories data from the 1981 WFS and 1990-1991 MCHS and 2000-2001 DHS and 2003-2004 DHS-NS and 2011, 2015 MICS; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1964-1965 PS and 1976-1977, 1988, 2000, 2013 censuses and 1981 WFS and 2007 MICS; (c) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1964-1965 PS and 1976-1977, 1988 censuses and 1981 WFS; (d) adjusted fertility using Arriaga modified P/F ratio method with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1988 Census; (e) indirect estimates obtained from the application of the reverse survival method to the 2015 MICS; (f) indirect estimates obtained from the application of the own-children method of fertility estimation to the 2003 WHS and 2007, 2011 MICS; (g) cohort-completed fertility backdated by the mean age of childbearing from the 2000-2001 DHS and 2011, 2015 MICS and 2013 Census. In addition, the cohort-completed fertility backdated by the mean age of childbearing from the 1957 MSVS and 1964-1965 PS and 1976-1977, 1988, 2000 censuses and 1981 WFS and 1990-1991 MCHS have been considered.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2013; (b) direct estimates from births and deaths under-five calculated from full birth histories data from the 1981 WFS and 1990-1991 MCHS and 2000-2001 DHS and 2003-2004 DHS-NS and 2011 MICS; (c) indirect estimates from data on children ever born and surviving from the 1957 MSVS and 1976-1977, 1988 censuses and 2007 MICS; (d) International estimates used up to 2018. In addition, the (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 2015 MICS; (b) indirect estimates from data on children ever born and surviving from the 1964-1965 PS and 1996 MICS and 2000, 2013 censuses; (c) recent household deaths from the 1988, 2000, 2013 censuses have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: estimates using CD West model life tables and estimates of infant and under-five mortality (5q0), and adult mortality (45q15). In addition, the official estimates through 2007 have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) recent household deaths data by age and sex from the 1957 MSVS and 1976-1977, 1988 censuses and 1990-1991 MCHS; (b) recent household deaths adjusted at adult ages for underregistration using the growth balance method; (c) recent household deaths adjusted at adult ages for underregistration using death distribution methods; (d) siblings deaths from the 2000-2001 DHS and 2007, 2011 MICS; (e) maternal orphanhood from the 1964-1965 PS and 1981 WFS and 2000-2001 DHS and 2007 MICS; (f) paternal orphanhood from the 1964-1965 PS and 1981 WFS and 2000-2001 DHS; (g) intercensal survivorship from successive census age distributions; (h) International estimates considered up to 2017. In addition, the recent household deaths data by age and sex from the 2000, 2013 censuses have been considered.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Mauritius

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1952, 1962, 1972, 1990, 2000, 2011 censuses; (b) adjusted census for underenumeration; (c) official estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the only total population for 1983 Census have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1985, 1991, 2002 CPS; (d) indirect estimates obtained from the application of the own-children method of fertility estimation to the 1990, 2000 censuses.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2015; (b) registered infant and child deaths through 2017.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2017; (b) registered deaths by age and sex available through 2016.

Migration: International migration based on: (a) official figures of net international migration flows, and assumed subsequent trends in international migration; (b) estimates derived as the differences between overall population growth and natural increase.

Mayotte

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1958, 1978, 1985, 1991, 1997, 2002, 2007, 2012 censuses; (b) official estimates through 2018; (c) only total population for 2017 Census; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: registered births classified by age of mother and the underlying female population by age through 2017. In addition, the (a) indirect estimates obtained from the application of the own-children method of fertility estimation to the 1978 Census; (b) cohort-completed fertility backdated by the mean age of childbearing from the 2017 Register and 1978, 2012 censuses have been considered.

Child Mortality: Under-five mortality based on: (a) International estimates considered up to 2017; (b) In the absence of statistics indicative of mortality levels and trends, mortality was assumed to have levels similar to those estimated for neighbouring countries with similar socio-economic conditions.
Note: Based on life tables of Réunion.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) International estimates considered up to 2017; (b) In the absence of statistics indicative of mortality levels and trends, mortality was assumed to have levels similar to those estimated for neighbouring countries with similar socio-economic conditions.
Note: Based on the life tables of Réunion.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Mexico

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1950, 1960, 1970, 1980, 1990, 2000, 2010 censuses and 1995, 2005 Sample Census; (b) official estimates through 2018; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2011; (b) registered births classified by age of mother and the underlying female population by age through 2016; (c) adjusted for underregistration; (d) birth-histories data from the 1976-1977 WFS and 1987 DHS; (e) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1970, 1990, 2000, 2010 censuses and 1978, 1979 ENPUMA and 1982 Survey and 1992, 2006, 2009, 2014 ENADID and 1995 ENPF and 2015 Intercensal Survey; (f) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1970, 1990, 2000, 2010 censuses and 1978, 1979 ENPUMA and 2015 Intercensal Survey; (g) indirect estimates obtained from the application of the own-children method of fertility estimation to the 1970 Census and 1979 ENPUMA; (h) International estimates considered up to 2017.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2017; (b) adjusted for underregistration; (c) direct estimates from births and deaths under-five calculated from full birth histories data from the 1976-1977 WFS and 1987 DHS and 1992, 1997, 2009, 2014 ENADID; (d) indirect estimates from data on children ever born and surviving from the 1970, 1980, 1990, 2000, 2010 censuses and 1978, 1979 ENPUMA and 1995, 2005 Sample Census and 2006 ENADID and 2015 Intercensal Survey; (e) International estimates considered up to 2017.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2015; (b) registered deaths by age and sex available through 2015; (c) adjusted for underregistration; (d) adjusted for underreporting of infant and child deaths; (e) adult deaths adjusted for underregistration using the growth balance method; (f) mortality rates were extrapolated using projection methods; (g) International estimates considered up to 2017; (h) estimates of under-five, adult and old age mortality.

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Estimates through 2015 and Register through 2016; (b) adjusted for underregistration; (c) recent household deaths adjusted at adult ages for underregistration using the growth balance method; (d) maternal orphanhood from the 1979 ENPUMA; (e) indirect estimates of adult mortality based on widowhood data from the 1979 ENPUMA; (f) International estimates considered up to 2017.

Migration: International migration based on: (a) official figures of net international migration flows, and assumed subsequent trends in international migration; (b) information on foreign-born populations from censuses and registers from major countries of destination (Latin American countries, Spain and United States of America); (c) information on the number of migrant workers or about labor migration (statistics compiled by the Immigration and Naturalization Service of the USA on the number of Mexicans admitted legally to that country and adjusted for undocumented migration); (d) estimates derived as the differences between overall population growth and natural increase.

Micronesia (Fed. States of)

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1994, 2000, 2010 censuses; (b) official estimates through 2015; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) registered births classified by age of mother and the underlying female population by age through 2007; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1973, 1980, 1994, 2000, 2010 censuses; (c) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1994, 2000 censuses; (d) indirect estimates obtained from the application of the reverse survival method to the 1994, 2000 censuses; (e) indirect estimates obtained from the application of the own-children method of fertility estimation to the 1973, 2010 censuses. In addition, the (a) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1973, 1980 censuses; (b) indirect estimates obtained using Mortara's method with data on children ever born by age of mother from the 1985, 1989 censuses; (c) indirect

estimates obtained from the application of the reverse survival method to the 1973, 1980 censuses have been considered.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2011; (b) indirect estimates from data on children ever born and surviving from the 1973, 1980, 1985, 1989, 1994, 2000, 2010 censuses; (c) International estimates used up to 2018. In addition, the recent household deaths from the 2010 Census have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) registered deaths by age and sex available through 2003; (b) adjusted for underregistration; (c) International estimates used up to 2017; (d) estimates using LogQuad extended model life tables and estimates of under-five mortality (5q0), adult mortality (45q15) and old age mortality (15q60). In addition, the official estimates through 2007 have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) adjusted for underregistration (through 2003); (b) recent household deaths adjusted at adult ages for underregistration using death distribution methods; (c) intercensal survivorship from successive census age distributions; (d) International estimates used up to 2017. In addition, the implied relationship between under-five mortality (5q0) and adult mortality (45q15) based on model life tables relationships have been considered.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Monaco

Population: Total population estimated to be consistent with the population of the (a) 1951, 1956, 1961, 1962, 1968, 1975, 1982, 1990, 2000, 2008 censuses; (b) official estimates through 2017; (c) only total population for 2016 Census; and the assumed subsequent trend in the growth rate of the population.

Mongolia

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1956, 1963, 1969, 1979, 1989, 2000, 2010 censuses; (b) adjusted censuses for underenumeration; (c) official estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2018; (b) birth-histories data from the 1994, 1996 DS and 1998, 2003, 2008 RHS and 2013 MICS; (c) period parity progression ratios based on data on women and births in the preceding 12 months, both classified by age of mother and parity, from the 2010 MICS; (d) indirect estimates obtained from the application of the reverse survival method to the 1956, 1963, 1969, 1989, 2000, 2010 censuses and 2005, 2010, 2013 MICS; (e) cohort-completed fertility backdated by the mean age of childbearing from the 1989 Census.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2017; (b) direct estimates from births and deaths under-five calculated from full birth histories data from the 1994, 1996 DS and 1998, 2003, 2008 RHS and 2013 MICS; (c) indirect estimates from data on children ever born and surviving from the 1989 Census and 2000, 2005, 2010 MICS; (d) recent household deaths from the 1989 Census; (e) International estimates used up to 2018.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) registered deaths by age and sex available through 2017; (b) adjusted for underreporting of infant and child deaths; (c) International estimates considered up to 2017; (d) estimates of under-five, adult and old age mortality.

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Register through 2017; (b) International estimates considered up to 2017. In addition, the recent household deaths data by age and sex from the 1989 Census have been considered.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Montenegro

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1953, 1961, 1971, 1981, 1991, 2003, 2011 censuses; (b) official estimates through 2018; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2016; (b) registered infant and child deaths through 2016.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2017; (b) registered deaths by age and sex available through 2017.

Migration: International migration based on: (a) estimates derived as the differences between overall population growth and natural increase; (b) UNHCR statistics on the number of refugees in the main countries of asylum.

Montserrat

Population: Total population estimated to be consistent with the population of the (a) 1960, 1970, 1980, 2001, 2011 censuses; (b) official estimates through 2016; (c) only total population for 1991 Census; and the assumed subsequent trend in the growth rate of the population.

Morocco

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1960, 1971, 1982, 1994, 2004, 2014 censuses; (b) adjusted censuses for underenumeration; (c) official estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 1998; (b) birth-histories data from the 1980 WFS and 1987, 1992 DHS and 1995 DHS Special and 1997 ENSME and 2006-2007 ENNV and 2011, 2018 ENPSF; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1961-1963 MPS and 1972-1973 VR and 1982, 1994, 2004, 2014 censuses and 1983-1984 CPS and 1986-1988, 1996-1998 ENDPR; (d) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1972-1973 VR and 1980 WFS; (e) indirect estimates obtained from the application of the reverse survival method to the 1960, 1971 censuses; (f) indirect estimates obtained from the application of the own-children method of fertility estimation to the 1982, 1994, 2004 censuses.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2014; (b) direct estimates from births and deaths under-five calculated from full birth histories data from the 1980 WFS and 1987, 1992, 2003-2004 DHS and 1991 LSMS and 1995 DHS Special and 1996-1998 ENDPR and 1997 ENSME and 2011, 2018 ENPSF; (c) indirect estimates from data on children ever born and surviving from the 1982, 1994, 2004 censuses and 1983-1984 CPS; (d) recent household deaths from the 1961-1963 MPS and 1972-1973 VR and 2009-2010 END; (e) International estimates used up to

2018. In addition, the recent household deaths from the 1980 WFS and 1986-1988 ENDPR and 2004 Census have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2010; (b) International estimates considered up to 2017; (c) estimates of under-five, adult and old age mortality; (d) estimates of under-five mortality (5q0) by assuming that the age pattern of mortality conforms to the CD West model life tables.
Note: Mortality age patterns were derived from estimates of infant and child mortality by assuming that the age pattern of mortality initially conforms to the mortality patterns resulting from the blending from the East model of the Coale-Demeny Model Life Tables to the West model of the Coale-Demeny Model Life Tables from 1950 to 2000. For the period 2000-2020, life expectancy was derived from the life table of the 2009-2010 Demographic survey and other official estimates.

Adult and Old Age Mortality: Estimates derived from: (a) recent household deaths data by age and sex from the 1997 ENSME and 2009-2010 END; (b) siblings deaths from the 1992, 2003-2004 DHS; (c) International estimates considered up to 2017.
Note: Mortality age patterns were derived from estimates of infant and child mortality by assuming that the age pattern of mortality initially conforms to the mortality patterns resulting from the blending from the East model of the Coale-Demeny Model Life Tables to the West model of the Coale-Demeny Model Life Tables from 1950 to 2000. For the period 2000-2020, life expectancy was derived from the life table of the 2009-2010 Demographic survey and other official estimates.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Mozambique

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1950, 1960, 1970, 1980, 1997, 2007 censuses; (b) official estimates through 2017; (c) only total population for 2017 Census; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) birth-histories data from the 1997, 2003, 2011 DHS and 2008 MICS and 2009, 2015 AIS; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1970, 1980, 1997, 2007 censuses; (c) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1970, 1980, 1997 censuses. In addition, the (a) official estimates of age-specific fertility rates through 2013; (b) cohort-completed fertility backdated by the mean age of childbearing from the 1950, 1960, 1970, 1980, 1997, 2007 censuses have been considered.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 1997, 2003, 2011 DHS and 2008 MICS and 2009, 2015 AIS; (b) indirect estimates from data on children ever born and surviving from the 1980, 1997, 2007 censuses and 1991 NDS and 1995 MICS; (c) recent household deaths from the 1980, 1997, 2007 censuses and 2007-2008 INCAM; (d) International estimates used up to 2018.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) International estimates considered up to 2017; (b) The demographic impact of AIDS has been factored into the mortality estimates; (c) estimates using HIV/AIDS model life tables and estimates of under-five mortality (5q0) and adult mortality (45q15) with UNAIDS estimates of adult HIV prevalence, and ART coverage for children and adults. In addition, the official estimates through 2016 have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) recent household deaths data by age and sex from the 1997, 2007 censuses and 2007-2008 INCAM; (b) siblings deaths from the 1997, 2003, 2011

DHS; (c) International estimates considered up to 2017. In addition, the (a) maternal orphanhood from the 1997, 2007 censuses and 1997, 2003, 2011 DHS and 2008 MICS; (b) paternal orphanhood from the 2007 Census have been considered.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) information on the number of migrant workers or about labor migration to South Africa, and on the results of the 1997 and 2007 censuses regarding persons residing abroad five years before the enumeration; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Myanmar

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1973, 1983, 2014 censuses; (b) adjusted censuses for underenumeration; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the (a) 1991 Census; (b) official estimates through 2018 have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2015; (b) birth-histories data from the 1991 PCFS and 1997, 2001, 2007 FRHS and 2015-2016 DHS; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1983, 2014 censuses; (d) indirect estimates obtained from the application of the reverse survival method to the 1973, 1983, 2014 censuses and 2000, 2009-2010 MICS and 2003 WHS; (e) indirect estimates obtained from the application of the own-children method of fertility estimation to the 1991 PCFS; (f) cohort-completed fertility backdated by the mean age of childbearing from the 2001, 2007 FRHS and 2009-2010 MICS and 2014 Census.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 1991 PCFS and 1997, 2001, 2007 FRHS and 1999 NMS and 2002-2003 U5MS and 2009-2010 MICS and 2015-2016 DHS; (b) indirect estimates from data on children ever born and surviving from the 1983, 2014 censuses and 1995 VRS Survey; (c) recent household deaths from the 1999 NMS; (d) International estimates used up to 2018. In addition, the (a) registered infant and child deaths through 2015; (b) recent household deaths from the 1991 PCFS and 1995 VRS Survey and 1997, 2001 FRHS and 2002-2003 U5MS and 2014 Census have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: estimates using CD West model life tables and estimates of infant and under-five mortality (5q0), and adult mortality (45q15). In addition, the official estimates through 2007 have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) recent household deaths data by age and sex from the 2014 Census; (b) siblings deaths from the 2015-2016 DHS; (c) International estimates considered up to 2017. In addition, the recent household deaths data by age and sex from the 1991 PCFS have been considered.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Namibia

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1960, 1991, 2001, 2011 censuses; (b) adjusted censuses for underenumeration; (c) 2016 NIDS survey estimates; (d) official estimates through 2017; (e) only total population for 1951, 1970, 1981 censuses; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the 1951 Census have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2011; (b) birth-histories data from the 1992, 2000, 2006-2007, 2013 DHS; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1989 Demographic and Health Survey and 1991, 2001 censuses and 2016 NIDS; (d) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1989 Demographic and Health Survey and 1991 Census. In addition, the indirect estimates obtained from the application of the own-children method of fertility estimation to the 1989 Demographic and Health Survey have been considered.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 1992, 2000, 2006-2007, 2013 DHS; (b) recent household deaths from the 2001, 2011 censuses and 2016 NIDS; (c) International estimates used up to 2018. In addition, the indirect estimates from data on children ever born and surviving from the 2011 Census and 2016 NIDS have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2007; (b) International estimates considered up to 2017; (c) The demographic impact of AIDS has been factored into the mortality estimates; (d) estimates using HIV/AIDS model life tables and estimates of under-five mortality (5q0) and adult mortality (45q15) with UNAIDS estimates of adult HIV prevalence, and ART coverage for children and adults. In addition, the registered deaths by age and sex available through 2011 have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) recent household deaths data by age and sex from the 2001, 2011 censuses and 2016 NIDS; (b) siblings deaths from the 1992, 2000, 2006-2007, 2013 DHS; (c) International estimates considered up to 2017. In addition, the (a) maternal orphanhood from the 1992, 2000, 2006-2007, 2013 DHS and 2001, 2011 censuses; (b) paternal orphanhood from the 1992, 2000, 2006-2007, 2013 DHS and 2001, 2011 censuses have been considered.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) information on the number of migrant workers or about labor migration; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Nauru

Population: Total population estimated to be consistent with the population of the (a) 1961, 1966, 1992, 2002, 2011 censuses; (b) official estimates through 2015; (c) only total population for 1977 Census; and the assumed subsequent trend in the growth rate of the population.

Nepal

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1952-1954, 1961, 1971, 1981, 1991, 2001, 2011 censuses; (b) adjusted censuses for underenumeration; (c) official estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) birth-histories data from the 1976 WFS and 1985-1986 FFPS and 1991-1992 FFPHS and 1995-1996, 2003-2004, 2010-2011 LSMS and 1996, 2001, 2006, 2011, 2016 DHS and 2014 MICS; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1961, 1971, 1981, 2001, 2011 censuses and 1981 CPS and 1986-1987 DSS and 1995-1996, 2010-2011 LSMS. In addition, the (a) official estimates of age-specific fertility rates through 2011; (b) birth-histories data from the 1974-1978 DSS and 1981 CPS and 2003 WHS; (c) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1986-1987 DSS and 1995-1996, 2003-2004, 2010-2011 LSMS; (d) adjusted fertility using Arriaga modified P/F ratio method with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1991, 2001, 2011 censuses and 1995-1996 LSMS; (e) adjusted fertility using synthetic relational Gompertz model with data on children ever born and births in the preceding 12 (or

24/36) months, both classified by age of mother, from the 1961, 1971, 1981 censuses and 1976 WFS and 1986-1987 DSS and 1991-1992 FFPHS; (f) indirect estimates obtained from the application of the reverse survival method to the 2001, 2011 censuses; (g) indirect estimates obtained from the application of the own-children method of fertility estimation to the 1976 WFS and 1991-1992 FFPHS and 1995-1996 LSMS have been considered.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 1974-1978 DSS and 1976 WFS and 1987 In Depth Study and 1991-1992 FFPHS and 1996, 2001, 2006, 2011, 2016 DHS and 2003-2004 LSMS and 2014 MICS; (b) indirect estimates from data on children ever born and surviving from the 1971, 1981, 1991, 2001, 2011 censuses; (c) International estimates used up to 2017. In addition, the (a) indirect estimates from data on children ever born and surviving from the 1981 CPS and 1985-1986 FFPS; (b) recent household deaths from the 1961, 1971, 1981, 2001, 2011 censuses and 1974-1978 DSS have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: estimates of under-five mortality (5q0) by assuming that the age pattern of mortality conforms to the CD West model life tables. In addition, the official estimates through 2007 have been considered.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) information on the number of workers receiving clearances to work abroad; (c) estimates derived as the differences between overall population growth and natural increase; (d) UNHCR statistics on the number of refugees in the main countries of asylum. *Note:* Information on household members abroad gathered by the 1981, 1991, 2001 and 2011 censuses was also considered.

Netherlands

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1960, 2001, 2011 censuses; (b) population register through 2018; (c) official estimates through 2018; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the only total population for 1971, 1991 censuses have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017; (c) International estimates used up to 2017.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2015; (b) registered infant and child deaths through 2017; (c) International estimates considered up to 2018.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2015; (b) registered deaths by age and sex available through 2014.

Migration: International migration based on: (a) official figures of net international migration flows, and assumed subsequent trends in international migration; (b) estimates derived as the differences between overall population growth and natural increase.

New Caledonia

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1951, 1956, 1963, 1969, 1976, 1983, 1989, 1996, 2004, 2009, 2014 censuses; (b) official estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017.

Child Mortality: Under-five mortality based on: registered infant and child deaths through 2010. In addition, the official estimates of infant and child mortality through 2017 have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2012; (b) registered deaths by age and sex available through 2012; (c) estimates of life expectancy at birth by assuming that the age pattern of mortality conforms to the CD West model life tables.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

New Zealand

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1951, 1956, 1961, 1966, 1971, 1976, 1981, 1986, 1991, 1996, 2001, 2006, 2013 censuses; (b) official estimates through 2018; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2017; (b) registered infant and child deaths through 2017.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2017; (b) registered deaths by age and sex available through 2017; (c) International estimates used up to 2017.

Migration: International migration based on: (a) official figures of net international migration flows, and assumed subsequent trends in international migration; (b) estimates derived as the differences between overall population growth and natural increase.

Nicaragua

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1950, 1963, 1971, 1995, 2005 censuses; (b) official estimates through 2018; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) registered births classified by age of mother and the underlying female population by age through 2016; (b) adjusted for underregistration; (c) birth-histories data from the 1992-1993 ESF-RHS and 1998, 2001 DHS and 2006-2007 RHS-NDHS; (d) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1971, 1995, 2005 censuses and 1978 RETRO-EDENIC and 1985-1986 ESD and 2011-2012 NDHS; (e) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1971, 1995, 2005 censuses and 1978 RETRO-EDENIC and 2011-2012 NDHS; (f) indirect estimates obtained from the application of the reverse survival method to the 1995 Census; (g) International estimates considered up to 2017. In addition, the official estimates of age-specific fertility rates through 2006 have been considered.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2015; (b) adjusted for underregistration; (c) direct estimates from births and deaths under-five calculated from full birth histories data from the 1985-1986 ESD and 1992-1993 ESF-RHS and 1998, 2001 DHS and 2006-2007 RHS-NDHS and 2011-2012 NDHS; (d) indirect estimates from data on children ever born and

surviving from the 1950, 1963, 1971, 1995, 2005 censuses and 1978 RETRO-EDENIC; (e) International estimates considered up to 2017. In addition, the recent household deaths from the 1995, 2005 censuses have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) registered deaths by age and sex available through 2011; (b) adjusted for underregistration; (c) adjusted for underreporting of infant and child deaths; (d) adult deaths adjusted for underregistration using the growth balance method; (e) mortality rates were extrapolated using projection methods; (f) International estimates considered up to 2017; (g) estimates of under-five, adult and old age mortality. In addition, the official estimates through 2007 have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Register through 2015; (b) adjusted for underregistration; (c) International estimates considered up to 2017. In addition, the (a) recent household deaths data by age and sex from the 1985-1986 ESD and 1995, 2005 censuses and 2001 DHS; (b) siblings deaths from the 1992-1993 ESF-RHS; (c) maternal orphanhood from the 1971 Census and 1978 RETRO-EDENIC and 1985-1986 ESD; (d) indirect estimates of adult mortality based on widowhood data from the 1978 RETRO-EDENIC have been considered.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination (Latin American countries, Spain and United States of America); (b) estimates derived as the differences between overall population growth and natural increase.

Niger

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1959-1960 ED and 1977, 1988, 2001, 2012 censuses; (b) adjusted censuses for underenumeration; (c) official estimates through 2016; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2006; (b) birth-histories data from the 1992, 1998, 2006 DHS and 2012 DHS-MICS; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1959-1960 ED and 1988, 2001, 2012 censuses and 2000 MICS and 2015 ENISED; (d) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1988, 2001 censuses and 2000 MICS; (e) indirect estimates obtained from the application of the reverse survival method to the 2010 EMS; (f) indirect estimates obtained from the application of the own-children method of fertility estimation to the 2001 Census. In addition, the (a) birth-histories data from the 2006 EBSBI; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 2016 PMA-R1 and 2017 DHS-NS; (c) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1959-1960 ED and 2012 Census; (d) cohort-completed fertility backdated by the mean age of childbearing from the 1988, 2001, 2012 censuses and 1992 DHS and 1996, 2000 MICS have been considered.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 1992, 1998, 2006 DHS and 1996 MICS and 2006 EBSBI and 2010 EMS and 2012 DHS-MICS and 2015 ENISED and 2017 DHS-NS; (b) indirect estimates from data on children ever born and surviving from the 1959-1960 ED and 1988, 2001, 2012 censuses and 2000 MICS; (c) International estimates used up to 2017. In addition, the recent household deaths from the 1959-1960 ED and 2001, 2012 censuses have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2007; (b) International estimates considered up to 2017; (c) estimates using CD South model life tables and estimates of infant and under-five mortality (5q0), and adult mortality (45q15).
Note: Mortality age patterns are based on the implied relationship between child mortality and adult mortality based on the North model of the Coale-Demeny Model Life Tables in 1950-1955, and assumed to converge over time toward the South model of the Coale-Demeny Model Life Tables by the 1990s.

Adult and Old Age Mortality: Estimates derived from: (a) recent household deaths data by age and sex from the 1959-1960 ED and 1977, 1988, 2001 censuses; (b) recent household deaths adjusted at adult ages for underregistration using the growth balance method; (c) recent household deaths adjusted at adult ages for underregistration using death distribution methods; (d) siblings deaths from the 1992, 2006 DHS and 2012 DHS-MICS; (e) maternal orphanhood from the 1988, 2001 censuses and 1992, 1998, 2006 DHS; (f) paternal orphanhood from the 1988, 2001 censuses; (g) intercensal survivorship from successive census age distributions; (h) International estimates considered up to 2017. In addition, the recent household deaths data by age and sex from the 2012 Census have been considered.
Note: Mortality age patterns are based on the implied relationship between child mortality and adult mortality based on the North model of the Coale-Demeny Model Life Tables in 1950-1955, and assumed to converge over time toward the South model of the Coale-Demeny Model Life Tables by the 1990s.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Nigeria

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1963, 1991, 2006 censuses; (b) adjusted censuses for underenumeration; (c) official estimates through 2016; (d) adjusted to reflect de-facto population; (e) only total population for 1952-1953 Census; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) birth-histories data from the 1981-1982 WFS and 1986-1987 DHS Special and 1990, 1999, 2003, 2008, 2013 DHS and 2007, 2016-2017 MICS and 2010, 2015 MIS; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1965-1966 DSS and 1971-1975 FFFP and 2007, 2011 MICS; (c) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1952-1953, 1991 censuses and 1981-1982 WFS; (d) indirect estimates obtained using Mortara's method with data on children ever born by age of mother from the 1965-1966 DSS and 2007 MICS; (e) indirect estimates obtained from the application of the reverse survival method to the 2016-2017 MICS; (f) indirect estimates obtained from the application of the own-children method of fertility estimation to the 2007, 2011 MICS and 2010-2011 GHS; (g) cohort-completed fertility backdated by the mean age of childbearing from the 1971-1975 FFFP and 1981-1982 WFS and 1990, 1999, 2008 DHS and 1991 Census and 1995, 1999, 2011 MICS and 2000 SSNPP and 2010 MIS and 2010-2011 GHS. In addition, the (a) official estimates of age-specific fertility rates through 1991; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1991, 2006 censuses and 2000 SSNPP; (c) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 2000 SSNPP have been considered.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 2003, 2008, 2013 DHS and 2010 MIS and 2016-2017 MICS; (b) indirect estimates from data on children ever born and surviving from the 2011 MICS; (c) recent household deaths from the 1965-1966 DSS; (d) International estimates used up to 2018. In addition, the (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 1981-1982 WFS and 1986-1987 DHS Special and 1990, 1999 DHS; (b) indirect estimates from data on children ever born and surviving from the 1971-1975 FFFP and 1995, 1999, 2007 MICS and 2000 SSNPP and 2003-2004 LSS and 2006 Census and 2006, 2007 GHS and 2015 MIS; (c) recent household deaths from the 1962-1979 Malumfashi HDSS and 2006 Census and 2007, 2010-2011, 2012-2013 GHS and 2008, 2013 DHS have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) International estimates considered up to 2017; (b) estimates using CD North model life tables and estimates of infant

and under-five mortality (5q0), and adult mortality (45q15). In addition, the official estimates through 2007 have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) recent household deaths data by age and sex from the 1965-1966 DSS and 2006, 2010-2011 GHS and 2008, 2013 DHS; (b) recent household deaths adjusted at adult ages for underregistration using the growth balance method; (c) recent household deaths adjusted at adult ages for underregistration using death distribution methods; (d) siblings deaths from the 2008, 2013 DHS; (e) maternal orphanhood from the 1986-1987 DHS Special and 1999, 2003, 2008, 2013 DHS and 2007 MICS and 2010-2011 GHS; (f) International estimates considered up to 2017. In addition, the (a) recent household deaths data by age and sex from the 1962-1979 Malumfashi HDSS and 2006 Census and 2007, 2012-2013 GHS; (b) siblings deaths from the 1999 DHS; (c) maternal orphanhood from the 2006 Census; (d) paternal orphanhood from the 2006 Census have been considered.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.
Note: Information obtained at the time of the repatriation of undocumented migrants that took place in 1983 and 1985 was also considered.

Niue

Population: Total population estimated to be consistent with the population of the (a) 1951, 1956, 1961, 1966, 1971, 1976, 1981, 1986, 1997, 2001, 2006, 2011 censuses; (b) official estimates through 2011; (c) only total population for 1991 Census; and the assumed subsequent trend in the growth rate of the population.

North Macedonia

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1953, 1961, 1971, 1981, 1991, 1994, 2002 censuses; (b) official estimates through 2018; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017; (c) indirect estimates obtained from the application of the reverse survival method to the 1953, 1961, 1971, 1981, 1991, 1994 censuses; (d) indirect estimates obtained from the application of the own-children method of fertility estimation to the 2005 MICS.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2016; (b) registered infant and child deaths through 2016.

Migration: International migration based on: (a) estimates of migrant flows, and assumed subsequent trends in international migration; (b) estimates derived as the differences between overall population growth and natural increase.

Northern Mariana Islands

Population: Total population estimated to be consistent with the population of the (a) 1958, 1980, 1990, 1995, 2000, 2010 censuses; (b) official estimates through 2014; (c) International estimates considered up to 2017; and the assumed subsequent trend in the growth rate of the population.

Norway

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1950, 1960, 1970, 1980, 1990, 2001, 2011 censuses; (b) population register through 2017; (c) official estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: registered births classified by age of mother and the underlying female population by age through 2017. In addition, the official estimates of age-specific fertility rates through 2016 have been considered.

Child Mortality: Under-five mortality based on: registered infant and child deaths through 2015.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2015; (b) registered deaths by age and sex available through 2017; (c) International estimates used up to 2017.

Migration: International migration based on: (a) official figures of net international migration flows, and assumed subsequent trends in international migration; (b) estimates derived as the differences between overall population growth and natural increase.

Oman

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1993, 2003, 2010 censuses; (b) adjusted censuses for underenumeration; (c) official estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017; (c) birth-histories data from the 1988-1989 CHS and 1995 FHS and 2014 MICS; (d) births in the household in the preceding 12 (or 24) months classified by age of mother from the 2003 Census; (e) indirect estimates obtained using Mortara's method with data on children ever born by age of mother from the 1975-1979 SDS and 1993 Census. In addition, the (a) birth-histories data from the 1984-1989 DSS and 2000 NHS; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 2000 CHS have been considered.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2017; (b) direct estimates from births and deaths under-five calculated from full birth histories data from the 1984-1989 DSS and 1988-1989 CHS and 1995 FHS and 2000 NHS and 2014 MICS; (c) indirect estimates from data on children ever born and surviving from the 1975-1979 SDS and 1993, 2003 censuses and 2000 CHS; (d) International estimates used up to 2017. In addition, the recent household deaths from the 2003 Census have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) registered deaths by age and sex available through 2017; (b) adjusted for underreporting of infant and child deaths; (c) mortality rates for older ages were adjusted; (d) mortality rates were extrapolated using projection methods; (e) estimates of under-five, adult and old age mortality.
Note: For 1950-2007, life tables were derived from estimates of infant and child mortality by assuming that the age pattern of mortality conforms to the South model of the Coale-Demeny Model Life Tables in 1950-1955 and converges over time toward the estimated 2009-2011 life table.

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Register through 2017; (b) adjusted for underregistration. In addition, the recent household deaths data by age and sex from the 2003 Census have been considered.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Pakistan

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1951, 1961, 1972, 1981, 1998 censuses; (b) only total population for

2017 Census; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the official estimates through 2015 have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) birth-histories data from the 1975 WFS and 1979-1980 LFMS and 1990-1991, 2006-2007, 2012-2013, 2017 DHS and 1991, 1995-1996, 1996-1997, 1998-1999, 2001-2002 IHS and 1993, 1994-1995 CPS and 2000-2001 RHFPS and 2003 SWRHFPS and 2005-2006, 2007-2008, 2011-2012, 2013-2014 LSMS; (b) period parity progression ratios based on data on women and births in the preceding 12 months, both classified by age of mother and parity, from the 1990-1991 DHS; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1968-1969 NIS and 1984-1985 CPS and 1998 Census; (d) adjusted fertility using synthetic relational Gompertz model with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1968-1971 PGS and 1975 WFS and 1984-1985, 1994-1995 CPS and 1990-1991, 2006-2007 DHS and 1995-1996, 1996-1997, 1998-1999, 2001-2002 IHS and 1998 Census and 2000-2001 RHFPS and 2005-2006 LSMS. In addition, the (a) official estimates of age-specific fertility rates through 2007; (b) birth-histories data from the 1988, 1995, 1996, 2000, 2001, 2003, 2005, 2006, 2007 Annual PDS and 1996-1997 FFPS and 2005-2006, 2007-2008 IHS; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1961, 1981 censuses and 1962-1965 PGE and 1968-1971, 1976-1979 PGS and 1984, 1985, 1986, 1987, 1989, 1990, 1991, 1992, 1993, 1994, 1997, 1999 Annual PDS; (d) adjusted fertility using synthetic relational Gompertz model with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1984, 1988 Annual PDS and 1996-1997 FFPS; (e) indirect estimates obtained using Mortara's method with data on children ever born by age of mother from the 1972 Census and 1973 HED Survey have been considered.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 1968-1969 NIS and 1968-1971, 1976-1979 PGS and 1975 WFS and 1979-1980 LFMS and 1988, 1995, 1996, 2000, 2001, 2003, 2005, 2006, 2007 Annual PDS and 1990-1991, 2006-2007, 2012-2013, 2017 DHS and 1991, 1995-1996, 1998-1999, 2001-2002, 2005-2006, 2007-2008 IHS and 1996-1997 FFPS and 2000-2001 RHFPS and 2003 SWRHFPS and 2005-2006, 2007-2008, 2013-2014 LSMS; (b) indirect estimates from data on children ever born and surviving from the 1972, 1981, 1998 censuses and 1973 HED Survey and 1984, 1994 Annual PDS and 1984-1985, 1993, 1994-1995 CPS; (c) recent household deaths from the 1961 Census and 1962-1965 PGE and 1968-1971, 1976-1979 PGS and 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1999, 2000, 2001, 2003, 2005, 2006, 2007 Annual PDS and 2006-2007 DHS.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2007; (b) adjusted for underreporting of infant and child deaths; (c) adult deaths adjusted for underregistration using the growth balance method; (d) adult deaths adjusted for underregistration using death distribution methods; (e) mortality rates for older ages were adjusted; (f) mortality rates were extrapolated using projection methods; (g) estimates of under-five, adult and old age mortality.

Adult and Old Age Mortality: Estimates derived from: recent household deaths data by age and sex from the 1962-1965 PGE and 1968-1971, 1976-1979 PGS and 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1999, 2000, 2001, 2003, 2005, 2006, 2007 Annual PDS. In addition, the (a) maternal orphanhood from the 1984 Annual PDS; (b) paternal orphanhood from the 1984 Annual PDS; (c) indirect estimates of adult mortality based on widowhood data from the 1984 Annual PDS have been considered.

Migration: International migration based on: (a) estimates of migrant flows, and assumed subsequent trends in international migration; (b) information on foreign-born populations from censuses and registers from major countries of destination; (c) estimates derived as the differences between overall population growth and natural increase; (d) UNHCR statistics on the number of refugees in the main countries of asylum.

Palau

Population: Total population estimated to be consistent with the population of the (a) 1958, 1967, 1970, 1973, 1980, 1986, 1990, 1995, 2000, 2005, 2012, 2015 censuses; (b) official estimates through 2017; and the assumed subsequent trend in the growth rate of the population.
Note: Estimates from the Secretariat of the Pacific Community were also taken into account.

Panama

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1950, 1960, 1970, 1980, 1990, 2000, 2010 censuses; (b) official estimates through 2018; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) registered births classified by age of mother and the underlying female population by age through 2017; (b) adjusted for underregistration; (c) birth-histories data from the 1975-1976 WFS and 1975-1977 EDN and 1984, 2009 RHS; (d) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1950, 1970, 1980, 1990, 2000, 2010 censuses and 2013 MICS; (e) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1950, 1970, 1980, 1990, 2000, 2010 censuses; (f) indirect estimates obtained from the application of the own-children method of fertility estimation to the 1970, 1980 censuses; (g) International estimates considered up to 2017. In addition, the official estimates of age-specific fertility rates through 2016 have been considered.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2016; (b) adjusted for underregistration; (c) direct estimates from births and deaths under-five calculated from full birth histories data from the 1975-1976 WFS and 1975-1977 EDN; (d) indirect estimates from data on children ever born and surviving from the 1950, 1970, 1980, 1990, 2000, 2010 censuses; (e) International estimates considered up to 2017. In addition, the recent household deaths from the 2000 Census have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) registered deaths by age and sex available through 2016; (b) adjusted for underregistration; (c) adjusted for underreporting of infant and child deaths; (d) adult deaths adjusted for underregistration using the growth balance method; (e) mortality rates were extrapolated using projection methods; (f) International estimates considered up to 2017; (g) estimates of under-five, adult and old age mortality. In addition, the official estimates through 2007 have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Register through 2016; (b) adjusted for underregistration; (c) recent household deaths data by age and sex from the 2000 Census; (d) International estimates considered up to 2017. In addition, the (a) recent household deaths data by age and sex from the 1975-1977 EDN; (b) maternal orphanhood from the 1975-1977 EDN and 1980, 1990 censuses; (c) indirect estimates of adult mortality based on widowhood data from the 1975-1977 EDN have been considered.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination (Latin American countries, Spain and United States of America); (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Papua New Guinea

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the 1966, 1971, 1980, 1990, 2000 censuses; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the (a) 1960 Census;

(b) official estimates through 2016; (c) only total population for 2011 Census have been considered. *Note:* The total population is estimated to be consistent with that of the 2011 census.

Fertility: Total fertility rate and age pattern of fertility based on: (a) birth-histories data from the 1996, 2006 DHS; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1971, 1980, 2011 censuses and 1979-1980 DS; (c) indirect estimates obtained from the application of the own-children method of fertility estimation to the 2000 Census. In addition, the (a) official estimates of age-specific fertility rates through 2000; (b) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1971 Census have been considered.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 1996, 2006 DHS; (b) indirect estimates from data on children ever born and surviving from the 1971, 2000, 2011 censuses and 1991 DHS; (c) International estimates used up to 2018. In addition, the (a) registered infant and child deaths through 2000; (b) indirect estimates from data on children ever born and surviving from the 1980 Census have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) International estimates used up to 2017; (b) estimates using LogQuad extended model life tables and estimates of under-five mortality (5q0), adult mortality (45q15) and old age mortality (15q60). In addition, the (a) official estimates through 2007; (b) registered deaths by age and sex available through 2000; (c) registered deaths by age and sex available through 2000; (d) adjusted for underreporting of infant and child deaths; (e) adult deaths adjusted for underregistration using the growth balance method; (f) adult deaths adjusted for underregistration using death distribution methods; (g) mortality rates for older ages were adjusted; (h) mortality rates were extrapolated using projection methods have been considered.
Note: Data and methods utilized include (a) the estimates of infant and child mortality from IGME (www.childmortality.org, 2018) from 1955 to 2017, (b) the estimates of adult mortality 45Q15 from WPP2017, (c) the estimates of adult mortality 15Q60 from DCMD (www.lifetables.org, 2018) from 1971 to 2000, and (d) the three-input-parameter model life table (www.lifetables.org, 2018).

Adult and Old Age Mortality: Estimates derived from: (a) paternal orphanhood from the 2000 Census; (b) intercensal survivorship from successive census age distributions; (c) International estimates used up to 2017. In addition, the (a) recent household deaths data by age and sex from the 1979-1980 DS; (b) recent household deaths adjusted at adult ages for underregistration using the growth balance method; (c) recent household deaths adjusted at adult ages for underregistration using death distribution methods; (d) siblings deaths from the 2007 Estimates and 2016 DHS; (e) maternal orphanhood from the 1971, 1980, 2000 censuses; (f) implied relationship between under-five mortality (5q0) and adult mortality (45q15) based on model life tables relationships have been considered.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Paraguay

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1962, 1972, 1982, 1992, 2002, 2012 censuses; (b) official estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the 1950 Census have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) registered births classified by age of mother and the underlying female population by age through 2016; (b) adjusted for underregistration; (c) birth-histories data from the 1979 WFS and 1987 RHS and 1990 DHS and 1995-1996 ENDSR-RHS and 1998 ENSMI-RHS and 2003 WHS and 2004, 2008 ENDSSR-RHS and 2016 MICS; (d) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1950, 1962, 1972, 1982, 1992, 2002, 2012 censuses and 1977 EDN; (e) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1950, 1962, 1972, 1982, 1992, 2002, 2012 censuses and 1977 EDN; (f) indirect

estimates obtained from the application of the reverse survival method to the 1992 Census; (g) indirect estimates obtained from the application of the own-children method of fertility estimation to the 1972, 1982 censuses and 1977 EDN; (h) International estimates considered up to 2017. In addition, the official estimates of age-specific fertility rates through 2005 have been considered.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2009; (b) adjusted for underregistration; (c) direct estimates from births and deaths under-five calculated from full birth histories data from the 1979 WFS and 1990 DHS and 1995-1996 ENDSR-RHS and 1998 ENSMI-RHS and 2004, 2008 ENDSSR-RHS and 2016 MICS; (d) indirect estimates from data on children ever born and surviving from the 1950, 1962, 1972, 1982, 1992, 2002 censuses and 1977 EDN and 1987 RHS; (e) International estimates considered up to 2018. In addition, the (a) indirect estimates from data on children ever born and surviving from the 2012 Census; (b) recent household deaths from the 2002, 2012 censuses have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) registered deaths by age and sex available through 2014; (b) adjusted for underregistration; (c) adjusted for underreporting of infant and child deaths; (d) adult deaths adjusted for underregistration using the growth balance method; (e) mortality rates were extrapolated using projection methods; (f) International estimates considered up to 2017; (g) estimates of under-five, adult and old age mortality. In addition, the official estimates through 2007 have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Register through 2014; (b) adjusted for underregistration; (c) recent household deaths data by age and sex from the 2012 Census; (d) recent household deaths adjusted at adult ages for underregistration using the growth balance method; (e) maternal orphanhood from the 1972, 1982, 1992 censuses; (f) International estimates considered up to 2017. In addition, the (a) siblings deaths from the 1995-1996 ENDSR-RHS; (b) maternal orphanhood from the 1977 EDN have been considered.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination (Latin American countries, Spain and United States of America); (b) estimates derived as the differences between overall population growth and natural increase.

Peru

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1961, 1972, 1981, 1993, 2005, 2007, 2017 censuses; (b) adjusted censuses for underenumeration; (c) official estimates through 2018; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) registered births classified by age of mother and the underlying female population by age through 2017; (b) adjusted for underregistration; (c) birth-histories data from the 1986, 1991-1992, 1996, 2000, 2004, 2004-2006, 2007-2008, 2009, 2010, 2011, 2012, 2013 DHS; (d) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1961, 1972, 1981, 1993, 2007, 2017 censuses and 1974-1976 EDN and 1977-1978 WFS and 1981 ENPA and 1999 ENAHO; (e) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1961, 1972, 1981, 1993, 2007, 2017 censuses and 1974-1976 EDN and 1977-1978 WFS and 1981 ENPA and 1999 ENAHO; (f) indirect estimates obtained from the application of the reverse survival method to the 1972, 1981 censuses; (g) indirect estimates obtained from the application of the own-children method of fertility estimation to the 1972 Census and 1974-1976 EDN; (h) International estimates considered up to 2017. In addition, the official estimates of age-specific fertility rates through 2017 have been considered.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2015; (b) adjusted for underregistration; (c) direct estimates from births and deaths under-five calculated from full birth histories data from the 1986, 1991-1992, 1996, 2000, 2004-2006, 2007-2008, 2009, 2010, 2011, 2012, 2013, 2014, 2017 DHS; (d) indirect estimates from data on children ever born and surviving from

the 1961, 1972, 1981, 1993, 2007, 2017 censuses and 1974-1976 EDN and 1977-1978 WFS and 1981 ENPA; (e) International estimates considered up to 2018.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) registered deaths by age and sex available through 2014; (b) adjusted for underregistration; (c) adjusted for underreporting of infant and child deaths; (d) adult deaths adjusted for underregistration using the growth balance method; (e) mortality rates were extrapolated using projection methods; (f) International estimates considered up to 2017; (g) estimates of under-five, adult and old age mortality. In addition, the official estimates through 2007 have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Register through 2015; (b) adjusted for underregistration; (c) maternal orphanhood from the 1972, 1981 censuses and 1981 ENPA; (d) paternal orphanhood from the 1981 ENPA; (e) International estimates considered up to 2017. In addition, the (a) siblings deaths from the 1996, 2000, 2004, 2004-2005, 2004-2006, 2007-2008, 2009, 2010, 2011, 2012, 2013, 2014 DHS; (b) maternal orphanhood from the 1974-1976 EDN and 1977-1978 WFS and 1986 DHS and 1993 Census; (c) paternal orphanhood from the 1974-1976 EDN and 1977-1978 WFS and 1986 DHS; (d) indirect estimates of adult mortality based on widowhood data from the 1977-1978 WFS have been considered.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination (Latin American countries, Spain and United States of America); (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Philippines

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the 1960, 1970, 1975, 1980, 1990, 1995, 2000, 2007, 2010, 2015 censuses; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the (a) 1948 Census; (b) official estimates through 2017 have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) birth-histories data from the 1973 NDS and 1978 WFS and 1983 DS and 1986 CPS and 1993, 1998, 2003, 2008, 2013, 2017 DHS; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 2000 Census and 2006 Annual FPS and 2011 FHS. In addition, the (a) official estimates of age-specific fertility rates through 2005; (b) registered births classified by age of mother and the underlying female population by age through 2016 have been considered.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2007; (b) registered infant and child deaths through 2016; (c) direct estimates from births and deaths under-five calculated from full birth histories data from the 1978 WFS and 1993, 1998, 2003, 2008, 2013, 2017 DHS and 2011 FHS; (d) indirect estimates from data on children ever born and surviving from the 1988 DS and 2006 Annual FPS; (e) International estimates used up to 2018. In addition, the (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 2006 Annual FPS; (b) indirect estimates from data on children ever born and surviving from the 1970, 1980 censuses have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) registered deaths by age and sex available through 2012; (b) adjusted for underreporting of infant and child deaths; (c) adult deaths adjusted for underregistration using the growth balance method; (d) adult deaths adjusted for underregistration using death distribution methods; (e) mortality rates for older ages were adjusted; (f) mortality rates were extrapolated using projection methods; (g) International estimates used up to 2017; (h) estimates using LogQuad extended model life tables and estimates of under-five mortality (5q0), adult mortality (45q15) and old age mortality (15q60). In addition, the official estimates through 2007 have been considered.
Note: Data and methods utilized include: (a) the estimates of infant and child mortality from IGME (www.childmortality.org, 2018) from 1953 to 2017, (b) the estimates of adult mortality 45Q15 from IHME

(www.healthdata.org, 2018) from 1950 to 2017, (c) the estimates of old-age mortality 15Q60 from DCMD (www.lifetables.org, 2018) from 1985 to 2010, and (d) the three-input-parameter model life table (www.lifetables.org, 2018).

Adult and Old Age Mortality: Estimates derived from: (a) siblings deaths from the 1993, 1998 DHS; (b) intercensal survivorship from successive census age distributions; (c) International estimates used up to 2017. In addition, the implied relationship between under-five mortality (5q0) and adult mortality (45q15) based on model life tables relationships have been considered.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) information on the number of migrant workers or about labor migration; (c) information on the number of workers receiving clearances to work abroad; (d) estimates derived as the differences between overall population growth and natural increase.

Poland

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1950, 1960, 1970, 1978, 1988, 2002, 2011 censuses; (b) official estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2015; (b) registered infant and child deaths through 2017; (c) International estimates used up to 2018.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2015; (b) registered deaths by age and sex available through 2017; (c) International estimates used up to 2017.

Migration: International migration based on: (a) official figures of net international migration flows, and assumed subsequent trends in international migration; (b) estimates derived as the differences between overall population growth and natural increase.

Portugal

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1950, 1960, 1970, 1981, 1991, 2001, 2011 censuses; (b) official estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2016; (b) registered births classified by age of mother and the underlying female population by age through 2017. In addition, the birth-histories data from the 1979-1980 WFS have been considered.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2015; (b) registered infant and child deaths through 2016; (c) International estimates considered up to 2018. In addition, the direct estimates from births and deaths under-five calculated from full birth histories data from the 1979-1980 WFS have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2015; (b) registered deaths by age and sex available through 2015; (c) International estimates used up to 2017.

Migration: International migration based on: (a) official figures of net international migration flows, and assumed subsequent trends in international migration; (b) estimates derived as the differences between overall population growth and natural increase.

Puerto Rico

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1950, 1960, 1970, 1980, 1990, 2000, 2010 censuses; (b) official estimates through 2018; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: official estimates of age-specific fertility rates through 2016. In addition, the birth-histories data from the 1995-1996 RHS have been considered.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2017; (b) direct estimates from births and deaths under-five calculated from full birth histories data from the 1995-1996 RHS; (c) indirect estimates from data on children ever born and surviving from the 1970, 1990 censuses.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) registered deaths by age and sex available through 2016; (b) adjusted for underreporting of infant and child deaths; (c) mortality rates for older ages were adjusted; (d) mortality rates were extrapolated using projection methods. In addition, the official estimates through 2016 have been considered.

Migration: International migration based on: (a) official figures of net international migration flows, and assumed subsequent trends in international migration; (b) estimates derived as the differences between overall population growth and natural increase.

Qatar

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1986, 1997, 2004, 2010, 2015 censuses; (b) official estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: registered births classified by age of mother and the underlying female population by age through 2016. In addition, the (a) birth-histories data from the 1987 CHS and 1998 FHS; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1986 Census have been considered.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2016; (b) direct estimates from births and deaths under-five calculated from full birth histories data from the 1987 CHS; (c) International estimates used up to 2017. In addition, the (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 1998 FHS; (b) indirect estimates from data on children ever born and surviving from the 1986, 2004, 2010 censuses have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) registered deaths by age and sex available through 2016; (b) adjusted for underreporting of infant and child deaths; (c) mortality rates for older ages were adjusted; (d) mortality rates were extrapolated using projection methods. *Note:* For 1950-1980, life tables were derived from estimates of infant and child mortality by assuming that the age pattern of mortality conforms to the South model of the Coale-Demeny Model Life Tables in 1950-1955 and converges over time toward the estimated 1980-1985 life table.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Republic of Korea

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the 1955, 1960, 1966, 1970, 1975, 1980, 1985, 1990, 1995, 2000, 2005, 2010, 2015 censuses; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the (a) 1946, 1949 censuses; (b) official estimates through 2017 have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017; (c) birth-histories data from the 1974 WFS; (d) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1966 SDS and 1971 FAS and 1973 FFPS; (e) indirect estimates obtained from the application of the own-children method of fertility estimation to the 1966, 1970 censuses.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2011; (b) registered infant and child deaths through 2016; (c) direct estimates from births and deaths under-five calculated from full birth histories data from the 1974 WFS and 1988 NFFHS; (d) indirect estimates from data on children ever born and surviving from the 1970, 1975, 1980, 1985, 1990 censuses; (e) International estimates used up to 2018.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2017; (b) registered deaths by age and sex available through 2016; (c) International estimates used up to 2017; (d) estimates using LogQuad extended model life tables and estimates of under-five mortality (5q0), adult mortality (45q15) and old age mortality (15q60). In addition, the (a) registered deaths by age and sex available through 2016; (b) adjusted for underreporting of infant and child deaths; (c) adult deaths adjusted for underregistration using the growth balance method; (d) adult deaths adjusted for underregistration using death distribution methods; (e) mortality rates for older ages were adjusted; (f) mortality rates were extrapolated using projection methods have been considered.
Note: Life tables before 1970 are derived from estimates of under-five, adult and old age mortality.

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Register through 2016; (b) intercensal survivorship from successive census age distributions; (c) International estimates used up to 2017. In addition, the implied relationship between under-five mortality (5q0) and adult mortality (45q15) based on model life tables relationships have been considered.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Republic of Moldova

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1959, 1979, 1989, 2004 censuses; (b) official estimates through 2017; (c) only total population for 1970, 2014 censuses; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017; (c) birth-histories data from the 1997 RHS and 2005 DHS and 2012 MICS.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2007; (b) registered infant and child deaths through 2017; (c) direct estimates from births and deaths under-five calculated from full birth histories data from the 2005 DHS and 2012 MICS; (d) indirect estimates from data on children ever born and surviving from the 1989 Census; (e) International estimates used up to 2017.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2015; (b) registered deaths by age and sex available through 2015; (c) adjusted for underreporting of infant and child deaths; (d) mortality rates were extrapolated using projection methods.
Note: The age pattern of mortality is derived from a life table based on data for 2012.

Migration: International migration based on: (a) official figures of net international migration flows, and assumed subsequent trends in international migration; (b) estimates derived as the differences between overall population growth and natural increase.

Réunion

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1954, 1961, 1967, 1974, 1982, 1990, 1999 censuses and 2004-2016 Rolling-Census; (b) official estimates through 2018; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017. In addition, the cohort-completed fertility backdated by the mean age of childbearing from the 2006 Estimates have been considered.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2016; (b) registered infant and child deaths through 2016.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2016; (b) registered deaths by age and sex available through 2016.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Romania

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1948, 1956, 1966, 1977, 1992, 2002, 2011 censuses; (b) official estimates through 2018; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2016; (b) registered births classified by age of mother and the underlying female population by age through 2017; (c) birth-histories data from the 1993, 1999, 2004 RHS.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2007; (b) registered infant and child deaths through 2016; (c) direct estimates from births and deaths under-five calculated from full birth histories data from the 1999 RHS; (d) International estimates used up to 2017.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) registered deaths by age and sex available through 2016; (b) mortality rates were extrapolated using projection methods. In addition, the official estimates through 2017 have been considered.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Russian Federation

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1959, 1970, 1979, 1989, 2002, 2010 censuses; (b) official estimates

through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2016; (b) registered births classified by age of mother and the underlying female population by age through 2016.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2015; (b) registered infant and child deaths through 2015; (c) adjusted for underregistration.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2017; (b) adjusted for underreporting of infant and child deaths; (c) mortality rates for older ages were adjusted.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Rwanda

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1978, 1991, 2002, 2012 censuses; (b) adjusted censuses for underenumeration; (c) only total population for 1970 ED; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the official estimates through 2018 have been considered.
Note: The 2002 and 2012 censuses were conducted on a 'de jure' basis.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2012; (b) birth-histories data from the 1983 WFS and 1992, 2000, 2005, 2010, 2014-2015 DHS and 1996 SDS and 2007-2008 DHS Interim and 2013, 2017 MIS; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1970, 1981 ED and 1978, 1991, 2002, 2012 censuses; (d) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1981 ED and 1991 Census and 1996 SDS; (e) indirect estimates obtained from the application of the reverse survival method to the 1978, 1991, 2002, 2012 censuses and 2017 MIS.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 1983 WFS and 1992, 2000, 2005, 2010, 2014-2015 DHS and 2007-2008 DHS Interim and 2011 DHS Special; (b) indirect estimates from data on children ever born and surviving from the 1970 ED and 1978, 1991, 2002, 2012 censuses and 1996 SDS and 2005-2006 ILCS and 2013 MIS; (c) International estimates used up to 2017. In addition, the recent household deaths from the 2002, 2012 censuses have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) International estimates considered up to 2017; (b) The demographic impact of AIDS has been factored into the mortality estimates; (c) estimates using HIV/AIDS model life tables and estimates of under-five mortality (5q0) and adult mortality (45q15) with UNAIDS estimates of adult HIV prevalence, and ART coverage for children and adults. In addition, the official estimates through 2007 have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) recent household deaths data by age and sex from the 2002, 2012 censuses and 2005 DHS; (b) recent household deaths adjusted at adult ages for underregistration using the growth balance method; (c) recent household deaths adjusted at adult ages for underregistration using death distribution methods; (d) siblings deaths from the 2000, 2005, 2010, 2014-2015 DHS; (e) International estimates considered up to 2017.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) estimates derived as the differences between overall

population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Saint Barthélemy

Population: Total population estimated to be consistent with the population of the only total population for 2015 Census; and the assumed subsequent trend in the growth rate of the population.

Saint Helena

Population: Total population estimated to be consistent with the population of the (a) 1956, 1966, 1976, 1987, 1998, 2008 censuses; (b) official estimates through 1998; (c) only total population for 2016 Census; and the assumed subsequent trend in the growth rate of the population.

Saint Kitts and Nevis

Population: Total population estimated to be consistent with the population of the (a) 1960, 1970, 1980, 1991 censuses; (b) official estimates through 2010; (c) only total population for 2001, 2011 censuses; and the assumed subsequent trend in the growth rate of the population.

Saint Lucia

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the 1960, 1970, 1980, 1991, 2001, 2010 censuses; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the official estimates through 2015 have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2000; (b) registered births classified by age of mother and the underlying female population by age through 2012; (c) adjusted for underregistration; (d) births in the household in the preceding 12 (or 24) months classified by age of mother from the 2001 Census.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2015; (b) International estimates used up to 2018.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2007; (b) registered deaths by age and sex available through 2014; (c) International estimates used up to 2017; (d) estimates using LogQuad extended model life tables and estimates of under-five mortality (5q0), adult mortality (45q15) and old age mortality (15q60). In addition, the (a) adjusted for underreporting of infant and child deaths; (b) adult deaths adjusted for underregistration using the growth balance method; (c) adult deaths adjusted for underregistration using death distribution methods; (d) mortality rates for older ages were adjusted; (e) mortality rates were extrapolated using projection methods have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) intercensal survivorship from successive census age distributions; (b) International estimates used up to 2017. In addition, the (a) deaths by age and sex available from Register through 2015; (b) adjusted for underregistration; (c) implied relationship between under-five mortality (5q0) and adult mortality (45q15) based on model life tables relationships have been considered.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Saint Martin (French part)

Population: Total population estimated to be consistent with the population of the 2015 Census; and the assumed subsequent trend in the growth rate of the population.

Saint Pierre and Miquelon

Population: Total population estimated to be consistent with the population of the (a) 1951, 1957, 1962, 1967, 1974, 1982, 1999, 2006 censuses; (b) official estimates through 2012; (c) only total population for 1990 Census and 2004-2016 Rolling Census; and the assumed subsequent trend in the growth rate of the population.

Saint Vincent and the Grenadines

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1960, 1980, 1991, 2001, 2012 censuses; (b) only total population for 1970 Census; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the (a) official estimates through 2015; (b) only total population for 2015 Estimates have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2014; (b) registered births classified by age of mother and the underlying female population by age through 2010-2014.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2015; (b) International estimates used up to 2018.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) registered deaths by age and sex available through 2016; (b) International estimates used up to 2017; (c) estimates using LogQuad extended model life tables and estimates of under-five mortality (5q0), adult mortality (45q15) and old age mortality (15q60). In addition, the (a) official estimates through 2007; (b) adjusted for underreporting of infant and child deaths; (c) adult deaths adjusted for underregistration using the growth balance method; (d) adult deaths adjusted for underregistration using death distribution methods; (e) mortality rates for older ages were adjusted; (f) mortality rates were extrapolated using projection methods have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Register through 2015; (b) intercensal survivorship from successive census age distributions; (c) International estimates used up to 2017. In addition, the implied relationship between under-five mortality (5q0) and adult mortality (45q15) based on model life tables relationships have been considered.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Samoa

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the 1951, 1956, 1961, 1966, 1971, 1976, 1981, 1986, 1991, 2001, 2006, 2011, 2016 censuses; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the official estimates through 2017 have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2014; (b) registered births classified by age of mother and the underlying female population by age through 2016; (c) birth-histories data from the 2009, 2014 DHS; (d) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1966, 1971, 1976, 1981, 1986, 1991, 2001, 2006, 2011 censuses and 1999 DHS and 2000 DVSS; (e) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1966, 1971, 1976, 1986, 1991 censuses; (f) indirect estimates obtained from the application of the own-children method of fertility estimation to the 1961, 1966, 1971 censuses.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 1993; (b) indirect estimates from data on children ever born and surviving from the 1956, 1961, 1966, 1976,

1981, 1991, 2001, 2006 censuses and 1999 DHS; (c) recent household deaths from the 1999 DHS and 2011 Census; (d) International estimates used up to 2018. In addition, the (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 2009, 2014 DHS; (b) indirect estimates from data on children ever born and surviving from the 1971 Census; (c) recent household deaths from the 2006 Census have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2007; (b) registered deaths by age and sex available through 2006; (c) International estimates used up to 2017; (d) estimates using LogQuad extended model life tables and estimates of under-five mortality (5q0), adult mortality (45q15) and old age mortality (15q60). In addition, the (a) registered deaths by age and sex available through 1971; (b) adjusted for underreporting of infant and child deaths; (c) adult deaths adjusted for underregistration using the growth balance method; (d) adult deaths adjusted for underregistration using death distribution methods; (e) mortality rates for older ages were adjusted; (f) mortality rates were extrapolated using projection methods have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Estimates through 2007; (b) recent household deaths data by age and sex from the 2000 DVSS and 2001, 2006, 2011 censuses; (c) intercensal survivorship from successive census age distributions; (d) International estimates used up to 2017. In addition, the implied relationship between under-five mortality (5q0) and adult mortality (45q15) based on model life tables relationships have been considered.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

San Marino

Population: Total population estimated to be consistent with the population of the (a) 1976, 2000, 2010 censuses; (b) official estimates through 2017; and the assumed subsequent trend in the growth rate of the population.

Sao Tome and Principe

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1960, 1970, 1981, 1991, 2001, 2012 censuses; (b) only total population for 1950 Census; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the official estimates through 2018 have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) birth-histories data from the 2008-2009 DHS and 2014 MICS; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1981, 1991, 2001 censuses. In addition, the (a) registered births classified by age of mother and the underlying female population by age through 2017; (b) adjusted for underregistration have been considered.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 2008-2009 DHS and 2014 MICS; (b) indirect estimates from data on children ever born and surviving from the 1981, 1991 censuses and 2000 MICS; (c) International estimates used up to 2018. In addition, the (a) registered infant and child deaths through 2012; (b) indirect estimates from data on children ever born and surviving from the 2006 MICS; (c) recent household deaths from the 2012 Census have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2007; (b) registered deaths by age and sex available through 2012; (c) estimates using LogQuad model life tables and estimates of under-five mortality (5q0), and adult mortality (45q15). In addition, the (a) adjusted for underreporting of infant and child deaths; (b) adult deaths adjusted for underregistration using the growth balance method; (c) adult deaths adjusted for underregistration using death distribution methods; (d) mortality rates for older ages were adjusted; (e) mortality rates were extrapolated using projection methods have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) recent household deaths data by age and sex from the 2012 Census; (b) recent household deaths adjusted at adult ages for underregistration using the growth balance method; (c) siblings deaths from the 2008-2009 DHS and 2014 MICS.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Saudi Arabia

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1992, 2004, 2010 censuses; (b) adjusted censuses for underenumeration; (c) 2016, 2017 DS survey estimates; (d) official estimates through 2018; (e) only total population for 1974 Census; and with estimates of the subsequent trends in fertility, mortality and international migration.
Note: Due to fluctuations in the reported data, priority was given to the estimates of certain years.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017; (c) birth-histories data from the 1987 CHS and 1996-1997 FHS; (d) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1991 MCHS and 1999, 2000, 2007 DS and 2004 Census. In addition, the (a) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1992, 2010 censuses; (b) adjusted fertility using Arriaga modified P/F ratio method with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 2004 Census have been considered.
Note: Reported number of live births through 2017 and total fertility estimates through were also taken into account.

Child Mortality: Under-five mortality based on: (a) indirect estimates from data on children ever born and surviving from the 1987 CHS and 1996-1997 FHS; (b) recent household deaths from the 1999, 2000, 2007, 2016 DS and 2004 Census; (c) International estimates used up to 2017. In addition, the (a) registered infant and child deaths through 2013; (b) direct estimates from births and deaths under-five calculated from full birth histories data from the 1996-1997 FHS have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2016; (b) registered deaths by age and sex available through 2016; (c) registered deaths by age and sex available through 2013; (d) adjusted for underreporting of infant and child deaths; (e) mortality rates for older ages were adjusted; (f) mortality rates were extrapolated using projection methods; (g) estimates of under-five, adult and old age mortality; (h) estimates of under-five mortality (5q0) by assuming that the age pattern of mortality conforms to the CD West model life tables.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.
Note: The return of Yemeni citizens to their country in the aftermath of the Gulf War was also considered.

Senegal

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1960-1961 ED and 1976, 1988, 2002, 2013 censuses; (b) adjusted censuses for underenumeration; (c) official estimates through 2018; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2010; (b) birth-histories data from the 1978 WFS and 1986, 1992-1993, 1997, 2005, 2012-2013, 2012-2014, 2014, 2015, 2016, 2017 DHS and 2006, 2008-2009 MIS and 2010-2011 DHS-MICS; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1957 MSVS and 1960-1961, 1970-1971 ED and 1988, 2002, 2013 censuses and 2000 MICS; (d) adjusted

fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1960-1961 ED and 1978 WFS and 2002, 2013 censuses; (e) indirect estimates obtained from the application of the own-children method of fertility estimation to the 1988, 2002 censuses and 2003 WHS and 2006 MIS; (f) cohort-completed fertility backdated by the mean age of childbearing from the 1957 MSVS and 1960-1961 ED and 1978 WFS and 1986, 1992-1993, 1997, 2005, 2012-2013, 2014, 2015, 2016, 2017 DHS and 1988, 2002, 2013 censuses and 2006, 2008-2009 MIS and 2010-2011 DHS-MICS.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 1978 WFS and 1986, 1992-1993, 1997, 1999, 2005, 2012-2013, 2012-2014, 2014, 2015, 2016 DHS and 2008-2009 MIS and 2010-2011 DHS-MICS; (b) indirect estimates from data on children ever born and surviving from the 1960-1961 ED and 2006 MIS; (c) recent household deaths from the 1970-1971, 1978-1979 ED; (d) International estimates used up to 2017. In addition, the (a) indirect estimates from data on children ever born and surviving from the 1996 MICS and 2002, 2013 censuses; (b) recent household deaths from the 2002, 2013 censuses have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) International estimates considered up to 2017; (b) estimates using CD South model life tables and estimates of infant and under-five mortality (5q0), and adult mortality (45q15). In addition, the official estimates through 2007 have been considered.
Note: Mortality age patterns are based on implied relationship between child mortality and adult mortality based on the North model of the Coale-Demeny Model Life Tables in 1950-1955, assumed to converge over time toward the South model of the Coale-Demeny Model Life Tables by the 1990s.

Adult and Old Age Mortality: Estimates derived from: (a) recent household deaths data by age and sex from the 1978-1979 ED and 1988, 2002, 2013 censuses; (b) recent household deaths adjusted at adult ages for underregistration using the growth balance method; (c) recent household deaths adjusted at adult ages for underregistration using death distribution methods; (d) siblings deaths from the 1992-1993, 2005 DHS and 2010-2011 DHS-MICS; (e) maternal orphanhood from the 1986, 1992-1993, 2005 DHS and 1988 Census and 2000 MICS and 2010-2011 DHS-MICS; (f) paternal orphanhood from the 1986 DHS and 1988 Census and 2000 MICS; (g) intercensal survivorship from successive census age distributions; (h) International estimates considered up to 2017.
Note: Mortality age patterns are based on implied relationship between child mortality and adult mortality based on the North model of the Coale-Demeny Model Life Tables in 1950-1955, assumed to converge over time toward the South model of the Coale-Demeny Model Life Tables by the 1990s.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Serbia

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1953, 1961, 1971, 1981, 1991, 2002, 2011 censuses; (b) adjusted censuses for underenumeration; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2016; (b) registered infant and child deaths through 2016.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2016; (b) registered deaths by age and sex available through 2016.

Migration: International migration based on: (a) estimates derived as the differences between overall population growth and natural increase; (b) UNHCR statistics on the number of refugees in the main countries of asylum.

Seychelles

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the 1960, 1971, 1977, 1987, 1994, 1997, 2002, 2010 censuses; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the (a) official estimates through 2018; (b) only total population for 1951 Census have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2014; (b) registered births classified by age of mother and the underlying female population by age through 2017.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2016; (b) indirect estimates from data on children ever born and surviving from the 1960, 1971 censuses; (c) International estimates used up to 2018. In addition, the recent household deaths from the 1960 Census have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2017; (b) registered deaths by age and sex available through 2017; (c) International estimates used up to 2017; (d) estimates using LogQuad extended model life tables and estimates of under-five mortality (5q0), adult mortality (45q15) and old age mortality (15q60). In addition, the (a) registered deaths by age and sex available through 2007; (b) adjusted for underreporting of infant and child deaths; (c) adult deaths adjusted for underregistration using the growth balance method; (d) adult deaths adjusted for underregistration using death distribution methods; (e) mortality rates for older ages were adjusted; (f) mortality rates were extrapolated using projection methods have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Register through 2016; (b) intercensal survivorship from successive census age distributions; (c) International estimates used up to 2017. In addition, the (a) recent household deaths data by age and sex from the 1960 Census; (b) recent household deaths adjusted at adult ages for underregistration using the growth balance method; (c) recent household deaths adjusted at adult ages for underregistration using death distribution methods; (d) implied relationship between under-five mortality (5q0) and adult mortality (45q15) based on model life tables relationships have been considered.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Sierra Leone

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1963, 1974, 1985, 2004, 2015 censuses; (b) adjusted censuses for underenumeration; (c) official estimates through 2012; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) birth-histories data from the 1973-1975 Survey and 2008, 2013 DHS and 2016 MIS and 2017 MICS; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1973, 2003 Pilot Census and 1973-1975 Survey and 1974, 1985, 2004, 2015 censuses and 1992 DSMS and 2010 MICS; (c) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1969-1970 FFP Survey and 1973, 2003 Pilot Census and 1973-1975 Survey and 1974, 1985, 2004 censuses and 2005 MICS; (d) indirect estimates obtained using Mortara's method with data on children ever born by age of mother from the 2000 MICS; (e) indirect estimates obtained from the application of the own-children method of fertility estimation to

the 2004 Census and 2005, 2010 MICS and 2007 CWIQ; (f) cohort-completed fertility backdated by the mean age of childbearing from the 1974, 1985, 2004, 2015 censuses and 2000 MICS and 2008, 2013 DHS. In addition, the (a) official estimates of age-specific fertility rates through 2012; (b) birth-histories data from the 2013 MIS; (c) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1992 DSMS have been considered.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 2008, 2013 DHS and 2013 MIS; (b) indirect estimates from data on children ever born and surviving from the 1969-1970 FFP Survey and 1973 Pilot Census and 1974, 1985, 2004, 2015 censuses and 1992 DSMS and 2000, 2005, 2010 MICS and 2016 MIS; (c) recent household deaths from the 1977 Survey and 2004, 2015 censuses; (d) International estimates used up to 2018. In addition, the (a) registered infant and child deaths through 2012; (b) indirect estimates from data on children ever born and surviving from the 2003 Pilot Census have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) International estimates considered up to 2017; (b) estimates using LogQuad model life tables and estimates of under-five mortality (5q0), and adult mortality (45q15). In addition, the official estimates through 2007 have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) recent household deaths data by age and sex from the 1992 DSMS and 2004, 2015 censuses; (b) siblings deaths from the 2005 MICS and 2008, 2013 DHS (Female sibling deaths); (c) maternal orphanhood from the 1973 Pilot Census and 1974, 1985, 2004 censuses and 2000, 2005 MICS and 2007 CWIQ and 2008, 2013 DHS; (d) paternal orphanhood from the 1973 Pilot Census and 1974, 2004 censuses; (e) intercensal survivorship from successive census age distributions; (f) International estimates considered up to 2017.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Singapore

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the 1957, 1970, 1980, 1990, 2000, 2010 censuses; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the (a) 1947 Census; (b) official estimates through 2017 have been considered.
Note: The age structures of non-residents are consistent with official estimates for 1995-2015.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2017; (b) registered infant and child deaths through 2017; (c) International estimates used up to 2018.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2017; (b) registered deaths by age and sex available through 2017.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Sint Maarten (Dutch part)

Population: Total population estimated to be consistent with the population of the (a) 1960, 1972, 1981, 1992, 2001, 2011 censuses; (b) official estimates through 2016; and the assumed subsequent trend in the growth rate of the population.

Slovakia

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the 1961, 1980, 1991, 2001, 2011 censuses; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the official estimates through 2017 have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2017; (b) registered infant and child deaths through 2017; (c) International estimates used up to 2017.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) registered deaths by age and sex available through 2016; (b) International estimates used up to 2017. In addition, the official estimates through 2017 have been considered.

Migration: International migration based on: (a) official figures of net international migration flows, and assumed subsequent trends in international migration; (b) estimates derived as the differences between overall population growth and natural increase.

Slovenia

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1953, 1961, 1971, 1981, 1991, 2002, 2011, 2015 censuses; (b) population register through 2017; (c) official estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2016; (b) registered infant and child deaths through 2016.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2016; (b) registered deaths by age and sex available through 2016.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Solomon Islands

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the 1959, 1970, 1976, 1986, 1999, 2009 censuses; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the official estimates through 2017 have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) birth-histories data from the 2006-2007, 2015 DHS; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1986, 1999, 2009 censuses; (c) indirect estimates obtained from the application of the

own-children method of fertility estimation to the 1976, 1986 censuses. In addition, the official estimates of age-specific fertility rates through 1980 have been considered.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 2006-2007, 2015 DHS; (b) indirect estimates from data on children ever born and surviving from the 1976, 1986, 1999, 2009 censuses; (c) International estimates used up to 2018. In addition, the recent household deaths from the 2009 Census have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) International estimates used up to 2017; (b) estimates using LogQuad extended model life tables and estimates of under-five mortality (5q0), adult mortality (45q15) and old age mortality (15q60). In addition, the official estimates through 2007 have been considered.
Note: Data and methods utilized include (a) the estimates of infant and child mortality from IGME (www.childmortality.org, 2018) from 1960 to 2017, (b) the estimates of adult mortality 45Q15 from WPP2017, (c) the estimates of adult mortality 15Q60 from DCMD (www.lifetables.org, 2018) from 1979 to 2009, and (d) the three-input-parameter model life table of DCMD (www.lifetables.org, 2018).

Adult and Old Age Mortality: Estimates derived from: (a) recent household deaths data by age and sex from the 1999, 2009 censuses; (b) intercensal survivorship from successive census age distributions; (c) International estimates used up to 2017. In addition, the (a) maternal orphanhood from the 1976, 1986, 1999 censuses; (b) paternal orphanhood from the 1976, 1986, 1999 censuses; (c) implied relationship between under-five mortality (5q0) and adult mortality (45q15) based on model life tables relationships have been considered.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Somalia

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 2002-2003 Survey and 2013-2014 PESS survey estimates; (b) official estimates through 2004; (c) only total population for 1975, 1987 censuses; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) birth-histories data from the 2006 MICS and 2011 MICS Northeast and 2011 MICS Somaliland; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1975, 1987 censuses and 1980 FMS and 1982 LFS and 2002-2003 Survey; (c) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1975, 1987 censuses and 1980 FMS and 1982 LFS and 2002-2003 Survey; (d) indirect estimates obtained using Mortara's method with data on children ever born by age of mother from the 1999 MICS; (e) indirect estimates obtained from the application of the reverse survival method to the 1999 MICS and 2011 MICS Somaliland; (f) indirect estimates obtained from the application of the own-children method of fertility estimation to the 2006 MICS.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 2002-2003 Survey and 2006 MICS; (b) indirect estimates from data on children ever born and surviving from the 1975, 1987 censuses and 1983 FFPUS and 1999 MICS; (c) International estimates used up to 2017. In addition, the indirect estimates from data on children ever born and surviving from the 2011 MICS Northeast and 2011 MICS Somaliland have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: estimates of under-five mortality (5q0) by assuming that the age pattern of mortality conforms to the CD North model life tables. In addition, the official estimates through 2007 have been considered.
Note: Additional deaths due to the famine of 1992 and the war have been factored into the mortality estimates.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

South Africa

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1951, 1960, 1970, 1980, 1985, 1991, 1996, 2001, 2011 censuses; (b) adjusted censuses for underenumeration; (c) official estimates through 2018; and with estimates of the subsequent trends in fertility, mortality and international migration.
Note: The populations of Transkei, Bophuthatswana, Venda and Ciskei are included in the estimates.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2018; (b) registered births classified by age of mother and the underlying female population by age through 2016; (c) adjusted for underregistration; (d) birth-histories data from the 1998, 2003, 2016 DHS; (e) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1987-1989 DHS and 1996, 2001, 2011 censuses and 2007 CS; (f) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1996, 2001, 2011 censuses and 2007 CS; (g) indirect estimates obtained from the application of the own-children method of fertility estimation to the 1996 Census.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2007; (b) registered infant and child deaths through 2016; (c) direct estimates from births and deaths under-five calculated from full birth histories data from the 1990 HSRC Survey and 1998, 2016 DHS; (d) recent household deaths from the 2001, 2011 censuses and 2007 CS; (e) International estimates used up to 2017. In addition, the (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 1987-1989, 2003 DHS; (b) indirect estimates from data on children ever born and surviving from the 1996, 2001 censuses (corrected for still births); (c) recent household deaths from the 1993, 1995, 1996, 1997, 1998 Annual OHS have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2007; (b) registered deaths by age and sex available through 2014; (c) adult deaths adjusted for underregistration using death distribution methods; (d) International estimates considered up to 2017; (e) The demographic impact of AIDS has been factored into the mortality estimates; (f) estimates using HIV/AIDS model life tables and estimates of under-five mortality (5q0) and adult mortality (45q15) with UNAIDS estimates of adult HIV prevalence, and ART coverage for children and adults.
Note: For the period 1950-1970, the West model of the Coale-Demeny Life Tables was used and we assumed convergence to the Far Eastern model during the 1970s.

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Annual RMS through 2017, Estimates through 2007 and Register through 2015; (b) adjusted for underregistration; (c) recent household deaths data by age and sex from the 1993, 1995, 1996, 1997, 1998 Annual OHS and 2001, 2011 censuses and 2007 CS and 2010-2011 NIDS; (d) siblings deaths from the 1998, 2016 DHS; (e) International estimates used up to 2017. In addition, the (a) recent household deaths data by age and sex from the 1990 HSRC Survey; (b) recent household deaths adjusted at adult ages for underregistration using death distribution methods; (c) maternal orphanhood from the 1996, 2001, 2011 censuses and 1998 DHS and 2007 CS; (d) paternal orphanhood from the 1996, 2001, 2011 censuses and 2007 CS have been considered.

Migration: International migration based on: (a) official figures of net international migration flows, and assumed subsequent trends in international migration; (b) estimates of migrant flows, and assumed subsequent trends in international migration; (c) information on foreign-born populations from censuses and registers from major countries of destination; (d) information on the number of migrant workers or

about labor migration compiled by the Chamber of Mines; (e) estimates of illegal migration by national authorities; (f) estimates derived as the differences between overall population growth and natural increase.

South Sudan

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1973, 1983, 1993, 2008 censuses; (b) adjusted censuses for underenumeration; (c) official estimates through 2018; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2010; (b) birth-histories data from the 2010 HHS-II; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1993, 2008 censuses; (d) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 2008 Census; (e) indirect estimates obtained from the application of the reverse survival method to the 1973, 1983, 1993 censuses and 1999 MICS; (f) indirect estimates obtained from the application of the own-children method of fertility estimation to the 2008 Census; (g) cohort-completed fertility backdated by the mean age of childbearing from the 1973, 2008 censuses and 2010 HHS-II.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2010; (b) direct estimates from births and deaths under-five calculated from full birth histories data from the 2006 HHS; (c) indirect estimates from data on children ever born and surviving from the 1973, 1993, 2008 censuses and 2010 HHS-II; (d) recent household deaths from the 1956, 1993 censuses and 2006 HHS; (e) International estimates used up to 2018. In addition, the (a) indirect estimates from data on children ever born and surviving from the 1983 Census and 1985 Survey (Urban) and 1999 MICS and 1999 DFMP Survey and 2006 HHS; (b) recent household deaths from the 2008 Census and 2010 HHS-II have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) International estimates considered up to 2017; (b) estimates of under-five mortality (5q0) by assuming that the age pattern of mortality conforms to the CD North model life tables. In addition, the official estimates through have been considered.

Migration: International migration based on: (a) estimates derived as the differences between overall population growth and natural increase; (b) UNHCR statistics on the number of refugees in the main countries of asylum.

Spain

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1950, 1960, 1970, 1981, 1991, 2001, 2011 censuses; (b) official estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017; (c) International estimates considered up to 2017.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2016; (b) International estimates considered up to 2018. In addition, the official estimates of infant and child mortality through 2014 have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2014; (b) registered deaths by age and sex available through 2016; (c) International estimates used up to 2017.

Migration: International migration based on: (a) estimates of migrant flows, and assumed subsequent trends in international migration; (b) information on foreign-born populations from censuses and registers from major countries of destination; (c) estimates derived as the differences between overall population growth and natural increase.

Sri Lanka

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1953, 1963, 1971, 1981, 2001, 2012 censuses; (b) official estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the only total population for 1946 Census have been considered.
Note: For 2001 census, estimates have been adjusted for Jaffna, Mannar, Vavuniya, Mullaitivu Killinochchi, Batticaloa and Trincomalee districts

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2013; (b) registered births classified by age of mother and the underlying female population by age through 2017; (c) birth-histories data from the 1975 WFS and 1987, 1993, 2000, 2006-2007, 2016 DHS; (d) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1982 CPS; (e) adjusted fertility using synthetic relational Gompertz model with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1975 WFS.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2007; (b) registered infant and child deaths through 2013; (c) direct estimates from births and deaths under-five calculated from full birth histories data from the 1975 WFS and 1987, 1993, 2000, 2006-2007, 2016 DHS; (d) indirect estimates from data on children ever born and surviving from the 1971, 2012 censuses; (e) International estimates used up to 2018.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) registered deaths by age and sex available through 2010; (b) International estimates used up to 2017; (c) estimates of under-five, adult and old age mortality. In addition, the (a) official estimates through 2007; (b) adjusted for underregistration (for males before 1980 by using tabulations of paternal orphanhood (before marriage) by age of respondent from the 1987 Sri Lanka DHS) have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Register through 2013; (b) adjusted for underregistration; (c) paternal orphanhood from the 1987 DHS; (d) International estimates used up to 2017. In addition, the maternal orphanhood from the 1987 DHS have been considered.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

State of Palestine

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1997, 2007, 2017 censuses; (b) official estimates through 2018; and with estimates of the subsequent trends in fertility, mortality and international migration.
Note: Population figures include the Arab population residing in East Jerusalem and exclude Israeli citizens residing in the Occupied Palestinian Territory.

Fertility: Total fertility rate and age pattern of fertility based on: (a) registered births classified by age of mother and the underlying female population by age through 1968-1995; (b) birth-histories data from the 1995 DS and 2004 DHS and 2006, 2010 FHS-MICS and 2014 MICS; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1992 LCS and 1992 UNICEF-JFPPA Survey and 1997 Census and 2000 HS. In addition, the (a) official estimates of age-specific fertility rates

through 2013; (b) birth-histories data from the 1996 HS; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 2007 Census; (d) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1992 LCS and 1997 Census and 2000 HS; (e) indirect estimates obtained from reconstructed birth histories data from the 2006, 2010 FHS-MICS have been considered.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2015; (b) direct estimates from births and deaths under-five calculated from full birth histories data from the 1995 DS and 2000 HS and 2000 LFS and 2004 DHS and 2006, 2010 FHS-MICS and 2014 MICS; (c) indirect estimates from data on children ever born and surviving from the 1992 LCS and 1997, 2007, 2017 censuses; (d) International estimates used up to 2018.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: estimates of under-five mortality (5q0) by assuming that the age pattern of mortality conforms to the CD West model life tables. In addition, the (a) official estimates through 2017; (b) registered deaths by age and sex available through 2016; (c) adjusted for underreporting of infant and child deaths; (d) adult deaths adjusted for underregistration using the growth balance method; (e) adult deaths adjusted for underregistration using death distribution methods; (f) mortality rates for older ages were adjusted; (g) mortality rates were extrapolated using projection methods have been considered.

Migration: International migration based on: (a) estimates derived as the differences between overall population growth and natural increase; (b) UNHCR statistics on the number of refugees in the main countries of asylum.

Sudan

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1973, 1983, 1993, 2008 censuses; (b) adjusted censuses for underenumeration; (c) official estimates through 2016; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2015; (b) birth-histories data from the 1978-1979 WFS and 1989-1990 DHS and 1992-1993 MCH and 1999 SMS and 2010 MICS-HHS and 2014 MICS; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1973, 1983, 1993, 2008 censuses and 2006 HHS; (d) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1973, 1993, 2008 censuses; (e) indirect estimates obtained from the application of the reverse survival method to the 1973, 1983, 1993, 2008 censuses.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 1978-1979 WFS and 1989-1990 DHS and 1992-1993 MCH and 1999 SMS and 2006 HHS and 2010 MICS-HHS and 2014 MICS; (b) indirect estimates from data on children ever born and surviving from the 1956, 1973, 1983, 1993, 2008 censuses and 2000 MICS; (c) recent household deaths from the 1956 Survey and 1978-1979 WFS and 2006 HHS; (d) International estimates used up to 2017. In addition, the recent household deaths from the 2008 Census have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) International estimates considered up to 2017; (b) estimates using CD North model life tables and estimates of under-five mortality (5q0), and adult mortality (45q15).

Adult and Old Age Mortality: Estimates derived from: (a) recent household deaths data by age and sex from the 1992-1993 MCH and 1993, 2008 censuses; (b) siblings deaths from the 1989-1990 DHS; (c) International estimates considered up to 2017.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Suriname

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1950, 1964, 1972, 2004, 2012 censuses; (b) official estimates through 2016; (c) only total population for 1980 Census; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) registered births classified by age of mother and the underlying female population by age through 2016; (b) adjusted for underregistration; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 2004, 2012 censuses.

Child Mortality: Under-five mortality based on: (a) indirect estimates from data on children ever born and surviving from the 2000, 2006 MICS; (b) International estimates used up to 2018. In addition, the (a) registered infant and child deaths through 2015; (b) indirect estimates from data on children ever born and surviving from the 2004 Census have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2007; (b) registered deaths by age and sex available through 2014; (c) adjusted for underregistration; (d) International estimates considered up to 2017. In addition, the (a) adjusted for underreporting of infant and child deaths; (b) adult deaths adjusted for underregistration using the growth balance method; (c) adult deaths adjusted for underregistration using death distribution methods; (d) mortality rates for older ages were adjusted; (e) mortality rates were extrapolated using projection methods have been considered.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Sweden

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1950, 1960, 1965, 1970, 1975, 1980, 1985, 1990, 2011 censuses; (b) population register through 2018; (c) official estimates through 2018; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: registered births classified by age of mother and the underlying female population by age through 2017.

Child Mortality: Under-five mortality based on: registered infant and child deaths through 2017.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2015; (b) registered deaths by age and sex available through 2014; (c) International estimates used up to 2017.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Switzerland

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1950, 1960, 1970, 1980, 1990, 2000, 2010 censuses; (b) official estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017; (c) International estimates used up to 2017.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2016; (b) registered infant and child deaths through 2016; (c) International estimates used up to 2018.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2016; (b) registered deaths by age and sex available through 2017; (c) International estimates used up to 2017.

Migration: International migration based on: (a) official figures of net international migration flows, and assumed subsequent trends in international migration; (b) information on foreign-born populations from censuses and registers from major countries of destination; (c) estimates derived as the differences between overall population growth and natural increase.

Syrian Arab Republic

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1960, 1970, 1981, 1994, 2004 censuses; (b) official estimates through 2011; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) birth-histories data from the 1978 WFS and 1993 MCHS and 2001, 2009 FHS and 2006 MICS; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1970, 1976, 1981, 1994, 2004 censuses and 1976-1979 PFS and 1990 EPI-CDD and 1993 IDS and 2000 MICS; (c) indirect estimates obtained from the application of the own-children method of fertility estimation to the 2006 MICS. In addition, the (a) official estimates of age-specific fertility rates through 2004; (b) indirect estimates obtained from stable population assumption have been considered.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 1978 WFS and 1993 MCHS and 2001, 2009 FHS; (b) indirect estimates from data on children ever born and surviving from the 1976, 1981, 1994 censuses and 1990 EPI-CDD and 2006, 2006 MICS; (c) recent household deaths from the 2004 Census and 2007-2008 HS; (d) International estimates used up to 2017. In addition, the registered infant and child deaths through 2010 have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2007; (b) registered deaths by age and sex available through 2009; (c) adjusted for underreporting of infant and child deaths; (d) mortality rates for older ages were adjusted; (e) mortality rates were extrapolated using projection methods; (f) estimates of under-five, adult and old age mortality; (g) estimates of under-five mortality (5q0) by assuming that the age pattern of mortality conforms to the CD West model life tables. In addition, the (a) registered deaths by age and sex available through 2010; (b) adjusted for underreporting of infant and child deaths; (c) adult deaths adjusted for underregistration using the growth balance method; (d) adult deaths adjusted for underregistration using death distribution methods; (e) mortality rates for older ages were adjusted; (f) mortality rates were extrapolated using projection methods have been considered.
Note: For 1950-2005, due to the lack of adult mortality information and life tables for this period, life tables were derived from estimates of infant and child mortality by assuming that the age pattern of mortality conforms for males to the South model of the Coale-Demeny Model Life Tables in 1950-1955 and converges over time toward the West model of the Coale-Demeny Model Life Tables and the estimated 2005-2007 life table. For the 2010-2020 period, excess mortality due to the conflict was taken into account.

Adult and Old Age Mortality: Estimates derived from: (a) recent household deaths data by age and sex from the 1976-1979 PFS and 1993 MCHS and 2004 Census and 2007-2008 HS; (b) maternal orphanhood from the 1978 WFS; (c) paternal orphanhood from the 1978 WFS; (d) indirect estimates of adult mortality based on widowhood data from the 1978 WFS.

Migration: International migration based on: (a) estimates derived as the differences between overall population growth and natural increase; (b) UNHCR statistics on the number of refugees in the main countries of asylum.
Note: For the projection period, it is assumed that 40 per cent of Syrian refugees return in 2020-2025, 30 per cent in 2025-2030 and 10 per cent in 2030-2035.

Tajikistan

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the 1959, 1970, 1979, 1989, 2000, 2010 censuses; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the official estimates through 2016 have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) registered births classified by age of mother and the underlying female population by age through 2016; (b) adjusted for underregistration; (c) birth-histories data from the 2012, 2017 DHS; (d) births in the household in the preceding 12 (or 24) months classified by age of mother from the 2003 LSMS; (e) indirect estimates obtained from the application of the own-children method of fertility estimation to the 2005 MICS and 2007 LSMS. In addition, the (a) official estimates of age-specific fertility rates through 2016; (b) indirect estimates obtained from the application of the reverse survival method to the 1959, 1970, 1979, 1989, 2010 censuses and 2000 MICS and 2007 LSMS have been considered.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2012; (b) adjusted for underregistration; (c) direct estimates from births and deaths under-five calculated from full birth histories data from the 2002 DS and 2012, 2017 DHS; (d) indirect estimates from data on children ever born and surviving from the 1989 Census and 1999 LSMS and 2000, 2005 MICS. In addition, the (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 2010 SICMM; (b) indirect estimates from data on children ever born and surviving from the 2003, 2007 LSMS and 2010 Census have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) registered deaths by age and sex available through 2016; (b) adjusted for underreporting of infant and child deaths; (c) mortality rates for older ages were adjusted.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Thailand

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1960, 1970, 1980, 1990, 2000, 2010 censuses; (b) 1955-1956 DES and 1995-1996, 2005-2006, 2015-2016 SPC survey estimates; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the only total population for 1947 Census have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2016; (b) registered births classified by age of mother and the underlying female population by age through 2016; (c) adjusted for underregistration; (d) birth-histories data from the 1974-1975, 1975-1976, 1985-1986, 1989, 1991, 1995-1996 SPC and 1975 WFS and 1987 DHS; (e) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1960, 1970 censuses and 1964-1967, 2005-2006, 2015-2016 SPC and 1969-1970, 1972-1973 LSSEDCT and 1975 WFS and 1978, 1981, 1984, 1996-1997 CPS and 2005-2006, 2012, 2015-2016 MICS and 2006 RHS; (f) adjusted

fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1960 Census; (g) adjusted fertility using Arriaga modified P/F ratio method with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1960, 1970 censuses and 1972-1973 LSSEDCT and 1975 WFS; (h) indirect estimates obtained using Mortara's method with data on children ever born by age of mother from the 1960 Census; (i) indirect estimates based on the increment of cohort parities between successive censuses or surveys such as the 1970 Census and 1974-1975 SPC; (j) indirect estimates obtained from the application of the own-children method of fertility estimation to the 1970 Census; (k) International estimates considered up to 2017.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 1974-1975, 1985-1986, 1989, 1995-1996, 2005-2006 SPC and 1975 WFS and 1987 DHS; (b) indirect estimates from data on children ever born and surviving from the 1970, 1980, 2000 censuses and 1979 NSFMFP and 1981, 1984, 1996-1997 CPS and 2005-2006, 2012 MICS; (c) International estimates used up to 2017. In addition, the (a) official estimates of infant and child mortality through 2016; (b) registered infant and child deaths through 2016; (c) adjusted for underregistration; (d) indirect estimates from data on children ever born and surviving from the 1990, 2010 censuses and 2015-2016 SPC have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) registered deaths by age and sex available through 2014; (b) adjusted for underregistration; (c) adult deaths adjusted for underregistration using the growth balance method; (d) adult deaths adjusted for underregistration using death distribution methods; (e) mortality rates for older ages were adjusted; (f) mortality rates were extrapolated using projection methods. In addition, the (a) official estimates through 2015; (b) adjusted for underreporting of infant and child deaths; (c) adult deaths adjusted for underregistration using the growth balance method; (d) adult deaths adjusted for underregistration using death distribution methods; (e) mortality rates for older ages were adjusted; (f) mortality rates were extrapolated using projection methods have been considered.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) information on the number of migrant workers or about labor migration; (c) estimates derived as the differences between overall population growth and natural increase; (d) UNHCR statistics on the number of refugees in the main countries of asylum.

Timor-Leste

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1980, 1990, 2004, 2010, 2015 censuses; (b) adjusted censuses for underenumeration; (c) official estimates through 2018; (d) only total population for 1950, 1960, 1970 censuses; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) birth-histories data from the 2003, 2009-2010, 2016 DHS; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 2004, 2015 censuses; (c) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 2010 Census; (d) adjusted fertility using Arriaga modified P/F ratio method with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 2004, 2010 censuses; (e) adjusted fertility using synthetic relational Gompertz model with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 2015 Census; (f) indirect estimates obtained from the application of the reverse survival method to the 2010, 2015 censuses; (g) cohort-completed fertility backdated by the mean age of childbearing from the 2010 Census.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 2003, 2009-2010 DHS; (b) indirect estimates from data on children ever born and surviving from the 2001 LSMS and 2002 MICS and 2004, 2010 censuses; (c) International estimates used up to 2017. In addition, the (a) direct estimates from births and deaths

under-five calculated from full birth histories data from the 2016 DHS; (b) indirect estimates from data on children ever born and surviving from the 1990 Census and 1995 ICS have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) International estimates considered up to 2017; (b) estimates of under-five, adult and old age mortality; (c) estimates of under-five mortality (5q0) by assuming that the age pattern of mortality conforms to the CD West model life tables. In addition, the official estimates through 2007 have been considered.
Note: Life tables are estimated using the Flexible two-dimensional model life table and Lee-Carter method. For 1950-2005, derived from estimates of infant and child mortality by assuming that the age pattern of mortality conforms to the West model of the Coale-Demeny Model Life Tables.

Adult and Old Age Mortality: Estimates derived from: (a) siblings deaths from the 1997, 2009-2010, 2016 DHS; (b) International estimates considered up to 2017. In addition, the (a) recent household deaths data by age and sex from the 2010, 2015 censuses; (b) recent household deaths adjusted at adult ages for underregistration using the growth balance method; (c) recent household deaths adjusted at adult ages for underregistration using death distribution methods have been considered.
Note: Life tables are estimated using the flexible two-dimensional model life table and Lee-Carter method. For 1950-2005, derived from estimates of infant and child mortality by assuming that the age pattern of mortality conforms to the West model of the Coale-Demeny Model Life Tables.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Togo

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1958-1960, 1970, 1981, 2010 censuses and 1961 ED; (b) adjusted censuses for underenumeration; (c) 2006 MICS survey estimates; (d) official estimates through 2018; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) birth-histories data from the 1988, 1998 DHS and 2013-2014 DHS-MICS and 2017 MIS; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1958-1960, 1970, 1981, 2010 censuses and 1961 ED and 2006, 2010 MICS; (c) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1958-1960, 1970 censuses and 1961 ED and 2006, 2010 MICS; (d) indirect estimates obtained from the application of the reverse survival method to the 2010 MICS and 2017 MIS; (e) indirect estimates obtained from the application of the own-children method of fertility estimation to the 2006 MICS; (f) cohort-completed fertility backdated by the mean age of childbearing from the 1981 Census and 1988, 1998 DHS and 2006, 2010 MICS and 2013-2014 DHS-MICS. In addition, the official estimates of age-specific fertility rates through 1961 have been considered.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 1988, 1998 DHS and 2013-2014 DHS-MICS; (b) indirect estimates from data on children ever born and surviving from the 1961, 1971 ED and 2006, 2010 MICS and 2010 Census; (c) International estimates used up to 2017. In addition, the recent household deaths from the 1961 ED and 1981, 2010 censuses have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) International estimates considered up to 2017; (b) estimates using CD South model life tables and estimates of infant and under-five mortality (5q0), and adult mortality (45q15). In addition, the (a) official estimates through 2007; (b) adjusted for underreporting of infant and child deaths; (c) adult deaths adjusted for underregistration using the growth balance method; (d) adult deaths adjusted for underregistration using death distribution methods; (e) mortality rates for older ages were adjusted; (f) mortality rates were extrapolated using projection methods have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Register through 1961; (b) recent household deaths data by age and sex from the 1961, 1971 ED and 1970, 1981, 2010 censuses; (c) recent household deaths adjusted at adult ages for underregistration using death distribution methods; (d) siblings deaths from the 1998 DHS and 2013-2014 DHS-MICS; (e) maternal orphanhood from the 1998 DHS and 2000, 2006 MICS; (f) International estimates considered up to 2017. *Note:* Mortality age patterns are based on the implied relationship between child mortality and adult mortality based on the North model of the Coale-Demeny Model Life Tables in 1950-1955 and assumed to converge over time toward the South model of the Coale-Demeny Model Life Tables by the 1990s.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Tokelau

Population: Total population estimated to be consistent with the population of the (a) 1951, 1956, 1961, 1972, 1976, 1991, 1996, 2001, 2006, 2011, 2016 censuses; (b) official estimates through 2013; (c) only total population for 1966, 1982 censuses and 2013 Population Count; and the assumed subsequent trend in the growth rate of the population.
Note: Estimates from the Secretariat of the Pacific Community were also taken into account.

Tonga

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the 1956, 1966, 1976, 1986, 1996, 2006, 2011, 2016 censuses; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the official estimates through 2008 have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2007; (b) registered births classified by age of mother and the underlying female population by age through 2006; (c) birth-histories data from the 2012 DHS; (d) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1986, 1996, 2006, 2011 censuses; (e) adjusted fertility using Arriaga modified P/F ratio method with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 2006, 2011 censuses; (f) indirect estimates obtained from the application of the own-children method of fertility estimation to the 1966, 1976 censuses.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2006; (b) adjusted for underregistration; (c) direct estimates from births and deaths under-five calculated from full birth histories data from the 2012 DHS; (d) indirect estimates from data on children ever born and surviving from the 1976, 1986, 1996, 2006 censuses; (e) International estimates used up to 2018. In addition, the recent household deaths from the 2006 Census have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2007; (b) International estimates used up to 2017; (c) estimates using LogQuad extended model life tables and estimates of under-five mortality (5q0), adult mortality (45q15) and old age mortality (15q60). In addition, the (a) registered deaths by age and sex available through 2010; (b) registered deaths by age and sex available through 2006; (c) adjusted for underreporting of infant and child deaths; (d) adult deaths adjusted for underregistration using the growth balance method; (e) adult deaths adjusted for underregistration using death distribution methods; (f) mortality rates for older ages were adjusted; (g) mortality rates were extrapolated using projection methods have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Register through 2006; (b) adjusted for underregistration; (c) recent household deaths data by age and sex from the 2006 Census; (d) intercensal survivorship from successive census age distributions; (e) International

estimates used up to 2017. In addition, the (a) recent household deaths data by age and sex from the 1976 Census; (b) maternal orphanhood from the 1986, 1996 censuses; (c) paternal orphanhood from the 1986, 1996 censuses have been considered.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Trinidad and Tobago

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the 1960, 1970, 1980, 1990, 2000, 2011 censuses; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the (a) official estimates through 2017; (b) only total population for 1946, 2000 censuses have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2012; (b) registered births classified by age of mother and the underlying female population by age through 2015; (c) adjusted for underregistration; (d) birth-histories data from the 1977 WFS and 1987 DHS; (e) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1990, 2000 censuses; (f) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1990, 2000 censuses.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 1977 WFS and 1987 DHS; (b) indirect estimates from data on children ever born and surviving from the 2000, 2006, 2011 MICS; (c) International estimates used up to 2018. In addition, the (a) official estimates of infant and child mortality through 2011; (b) registered infant and child deaths through 2011 have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2011; (b) registered deaths by age and sex available through 2004; (c) adjusted for underregistration; (d) International estimates used up to 2017; (e) estimates using LogQuad extended model life tables and estimates of under-five mortality (5q0), adult mortality (45q15) and old age mortality (15q60). In addition, the (a) adjusted for underreporting of infant and child deaths; (b) adult deaths adjusted for underregistration using the growth balance method; (c) adult deaths adjusted for underregistration using death distribution methods; (d) mortality rates for older ages were adjusted; (e) mortality rates were extrapolated using projection methods have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Register through 2011; (b) adjusted for underregistration; (c) intercensal survivorship from successive census age distributions; (d) International estimates used up to 2017.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.
Note: Border statistics of people from Trinidad and Tobago admitted by the United States of America were considered.

Tunisia

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1956, 1966, 1975, 1984, 1994, 2004, 2014 censuses; (b) adjusted censuses for underenumeration; (c) official estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017; (c) birth-histories data from the 1978 WFS and 1988 DHS and 1994-1995 MCHS and 2001 FHS and 2011-2012 MICS; (d) indirect estimates obtained from the application of the

reverse survival method to the 1966, 1975, 1984, 1994, 2004, 2014 censuses and 2003 WHS and 2013 ENPE; (e) indirect estimates obtained from the application of the own-children method of fertility estimation to the 2007, 2009 ENPE.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 1988 DHS and 1994-1995 MCHS and 2001 FHS and 2011-2012 MICS; (b) indirect estimates from data on children ever born and surviving from the 1975, 1984, 2004 censuses and 1983 CPS; (c) recent household deaths from the 1968-1969 END; (d) International estimates used up to 2017. In addition, the (a) official estimates of infant and child mortality through 2007; (b) registered infant and child deaths through 2016; (c) direct estimates from births and deaths under-five calculated from full birth histories data from the 1978 WFS; (d) indirect estimates from data on children ever born and surviving from the 1978 WFS have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2007; (b) registered deaths by age and sex available through 2015; (c) International estimates considered up to 2017.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Turkey

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the 1950, 1955, 1960, 1965, 1970, 1975, 1980, 1985, 1990, 2007, 2011 censuses; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the (a) 2000 Census; (b) official estimates through 2018 have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2016; (b) registered births classified by age of mother and the underlying female population by age through 2017; (c) birth-histories data from the 1978 WFS and 1983, 1988 PHS and 1993, 1998, 2003, 2008 DHS and 2013 NDHS.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2016; (b) direct estimates from births and deaths under-five calculated from full birth histories data from the 1978 WFS and 1988 PHS and 1993, 1998, 2003, 2008 DHS and 2013 NDHS; (c) indirect estimates from data on children ever born and surviving from the 1970, 1975, 1980, 1985, 1990 censuses and 1983 PHS and 1989 DS; (d) recent household deaths from the 1965-1968 DS. In addition, the (a) registered infant and child deaths through 2017; (b) adjusted for underregistration; (c) direct estimates from births and deaths under-five calculated from full birth histories data from the 2010, 2012 CMS and 2011 INCHMOR; (d) recent household deaths from the 2003 NBD-CE have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2015; (b) registered deaths by age and sex available through 2015; (c) adjusted for underregistration; (d) adjusted for underreporting of infant and child deaths; (e) adult deaths adjusted for underregistration using the growth balance method; (f) adult deaths adjusted for underregistration using death distribution methods; (g) International estimates considered up to 2017. In addition, the (a) adjusted for underreporting of infant and child deaths; (b) adult deaths adjusted for underregistration using the growth balance method; (c) adult deaths adjusted for underregistration using death distribution methods have been considered.

Migration: International migration based on: (a) estimates derived as the differences between overall population growth and natural increase; (b) UNHCR statistics on the number of refugees in the main countries of asylum (For the period 2010-2015 and the period 2015-2020, data on refugee flows from Syria up to March 2019 compiled by UNHCR were taken into account.).

Turkmenistan

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the 1959, 1970, 1979, 1989 censuses; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the (a) 1995 Census; (b) official estimates through 2004 have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2006; (b) birth-histories data from the 2000 DHS and 2015 MICS.

Child Mortality: Under-five mortality based on: direct estimates from births and deaths under-five calculated from full birth histories data from the 2000 DHS and 2006 MICS. In addition, the (a) registered infant and child deaths through 2015; (b) adjusted for underregistration; (c) direct estimates from births and deaths under-five calculated from full birth histories data from the 2015 MICS have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2007; (b) registered deaths by age and sex available through 2014; (c) adjusted for underregistration.

Migration: International migration based on: (a) official figures of net international migration flows, and assumed subsequent trends in international migration; (b) information on foreign-born populations from censuses and registers from major countries of destination; (c) estimates derived as the differences between overall population growth and natural increase.

Turks and Caicos Islands

Population: Total population estimated to be consistent with the population of the (a) 1954, 1960, 1970, 1980, 1990, 2001 censuses; (b) official estimates through 2017; (c) only total population for 2012 Census; and the assumed subsequent trend in the growth rate of the population.

Tuvalu

Population: Total population estimated to be consistent with the population of the (a) 1991, 2002, 2012 censuses; (b) official estimates through 2016; (c) only total population for 1973, 1979 censuses; and the assumed subsequent trend in the growth rate of the population.
Note: Estimates from the Secretariat of the Pacific Community were also taken into account.

Uganda

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1959, 1969, 1980, 1991, 2002, 2014 censuses; (b) adjusted censuses for underenumeration; (c) official estimates through 2018; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2011; (b) birth-histories data from the 1988-1989, 1995, 2000-2001, 2006, 2011, 2016 DHS and 2009, 2014-2015 MIS; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1969, 1991, 2002 censuses; (d) International estimates considered up to 2017.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 1988-1989, 1995, 2000-2001, 2006, 2011, 2016 DHS and 2009 MIS; (b) indirect estimates from data on children ever born and surviving from the 1969, 2014 censuses and 2014-2015 MIS; (c) recent household deaths from the 1991, 2002 censuses; (d) International estimates considered up to 2017. In addition, the recent household deaths from the 2006 DHS and 2011 AIS have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2007; (b) International estimates used up to 2017; (c) The demographic impact of AIDS has been

factored into the mortality estimates; (d) estimates using HIV/AIDS model life tables and estimates of under-five mortality (5q0) and adult mortality (45q15) with UNAIDS estimates of adult HIV prevalence, and ART coverage for children and adults.

Adult and Old Age Mortality: Estimates derived from: (a) recent household deaths data by age and sex from the 1991, 2002, 2014 censuses and 2011 AIS; (b) siblings deaths from the 1995, 2000-2001, 2011, 2016 DHS; (c) maternal orphanhood from the 2011, 2016 DHS and 2014 Census; (d) paternal orphanhood from the 2011, 2016 DHS and 2014 Census; (e) International estimates used up to 2017. In addition, the (a) recent household deaths data by age and sex from the 1969, 1980 censuses and 1988-1989 DHS; (b) siblings deaths from the 2006 DHS; (c) maternal orphanhood from the 1969, 1980, 1991, 2002 censuses and 1988-1989, 1995, 2000-2001, 2006 DHS and 2004-2005, 2011 AIS; (d) paternal orphanhood from the 1969, 1980, 1991, 2002 censuses and 1988-1989 DHS; (e) intercensal survivorship from successive census age distributions have been considered.

Migration: International migration based on: (a) estimates derived as the differences between overall population growth and natural increase; (b) UNHCR statistics on the number of refugees in the main countries of asylum.
Note: Estimates of the number of Ugandans who were expelled from the country in the early 1970s were also considered.

Ukraine

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1959, 1970, 1979, 1989, 2001 censuses; (b) official estimates through 2018; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) registered births classified by age of mother and the underlying female population by age through 2017; (c) birth-histories data from the 1999 RHS and 2007 DHS.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2016; (b) registered infant and child deaths through 2016; (c) adjusted for underregistration; (d) direct estimates from births and deaths under-five calculated from full birth histories data from the 2007 DHS; (e) indirect estimates from data on children ever born and surviving from the 1989, 2001 censuses and 2005 MICS.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2016; (b) registered deaths by age and sex available through 2016; (c) adjusted for underreporting of infant and child deaths; (d) mortality rates for older ages were adjusted; (e) estimates of under-five, adult and old age mortality.

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Register through 2016; (b) adjusted for underregistration.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

United Arab Emirates

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1968, 1975, 1985, 1995, 2005 censuses; (b) official estimates through 2017; (c) only total population for 2010-2017 Estimates and 1980 Census; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2009; (b) registered births classified by age of mother and the underlying female population by age through 2017; (c) birth-histories data from the 1995 FHS; (d) births in the household in

the preceding 12 (or 24) months classified by age of mother from the 1975, 1980 censuses and 1987-1988 CHS.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2015; (b) direct estimates from births and deaths under-five calculated from full birth histories data from the 1995 FHS; (c) indirect estimates from data on children ever born and surviving from the 1975, 1980 censuses and 1987-1988 CHS; (d) International estimates used up to 2017.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) registered deaths by age and sex available through 2017; (b) adjusted for underreporting of infant and child deaths; (c) mortality rates for older ages were adjusted; (d) mortality rates were extrapolated using projection methods; (e) estimates of under-five, adult and old age mortality. In addition, the (a) official estimates through 2017; (b) adjusted for underreporting of infant and child deaths; (c) mortality rates for older ages were adjusted have been considered.
Note: Life tables were derived from estimates of infant and child mortality by assuming that the age pattern of mortality conforms to the South model of the Coale-Demeny Model Life Tables in 1950-1955 and converges over time toward the estimated 1985-1990 life table.

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Register through 2017; (b) adjusted for underregistration.

Migration: International migration based on: (a) official figures of net international migration flows, and assumed subsequent trends in international migration; (b) estimates derived as the differences between overall population growth and natural increase.

United Kingdom

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1951, 1961, 1971, 1981, 1991, 2001, 2011 censuses; (b) official estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the only total population for 1966 Survey have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2016; (b) registered births classified by age of mother and the underlying female population by age through 2017.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2016; (b) registered infant and child deaths through 2017; (c) International estimates used up to 2017.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2015; (b) registered deaths by age and sex available through 2017; (c) International estimates used up to 2017.
Note: Life tables through 2016 from the Human Mortality Database

Migration: International migration based on: (a) estimates of migrant flows, and assumed subsequent trends in international migration; (b) estimates derived as the differences between overall population growth and natural increase.

United Republic of Tanzania

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) adjusted censuses for underenumeration; (b) official estimates through 2018; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2017; (b) birth-histories data from the 1991-1992, 1996, 2004-2005, 2010, 2015-

2016 DHS and 1995 SUMVE In Depth Study and 1999 RCHS and 2007-2008, 2011-2012 AIS and 2017 MIS; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1967, 1978, 1988, 2002, 2012 censuses and 1973 NDS and 1994 KAP Survey; (d) adjusted fertility using Arriaga modified P/F ratio method with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 2002 Census; (e) International estimates considered up to 2017.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 1991-1992, 1996, 2004-2005, 2010, 2015-2016 DHS and 1999 RCHS and 2007-2008 AIS; (b) indirect estimates from data on children ever born and surviving from the 1967, 1978, 1988, 2002 censuses; (c) International estimates used up to 2017. In addition, the (a) indirect estimates from data on children ever born and surviving from the 2012 Census; (b) recent household deaths from the 1967, 1988, 2002, 2012 censuses and 1973 NDS and 2007-2008 AIS and 2008-2009, 2010-2011, 2012-2013 NPS have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) International estimates used up to 2017; (b) The demographic impact of AIDS has been factored into the mortality estimates; (c) estimates using HIV/AIDS model life tables and estimates of under-five mortality (5q0) and adult mortality (45q15) with UNAIDS estimates of adult HIV prevalence, and ART coverage for children and adults. In addition, the official estimates through 2007 have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) recent household deaths data by age and sex from the 1967, 1988, 2002, 2012 censuses and 1973 NDS and 2007-2008 AIS and 2008-2009, 2010-2011, 2012-2013 NPS; (b) siblings deaths from the 1996, 2004-2005, 2010, 2015-2016 DHS; (c) intercensal survivorship from successive census age distributions; (d) International estimates considered up to 2017. In addition, the (a) maternal orphanhood from the 1973 NDS and 1978, 1988, 2002, 2012 censuses and 1991-1992, 1996, 2004-2005, 2010 DHS and 1999 RCHS and 2003-2004 AIS; (b) paternal orphanhood from the 1973 NDS and 1996 DHS and 2002, 2012 censuses; (c) indirect estimates of adult mortality based on widowhood data from the 1973 NDS and 1978, 1988 censuses have been considered.

Migration: International migration based on: (a) estimates derived as the differences between overall population growth and natural increase; (b) UNHCR statistics on the number of refugees in the main countries of asylum.

United States of America

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1950, 1960, 1970, 1980, 1990, 2000, 2010 censuses; (b) official estimates through 2016; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2016; (b) registered births classified by age of mother and the underlying female population by age through 2016.

Child Mortality: Under-five mortality based on: (a) official estimates of infant and child mortality through 2017; (b) registered infant and child deaths through 2016.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2017; (b) registered deaths by age and sex available through 2017.

Migration: International migration based on: (a) official figures of net international migration flows, and assumed subsequent trends in international migration; (b) estimates derived as the differences between overall population growth and natural increase.

United States Virgin Islands

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the 1950, 1960, 1970, 1980, 1990, 2000, 2010 censuses; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the official estimates through 2014 have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2016; (b) registered births classified by age of mother and the underlying female population by age through 2012.

Child Mortality: Under-five mortality based on: registered infant and child deaths through 2012.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2015; (b) registered deaths by age and sex available through 2012; (c) estimates of life expectancy at birth by assuming that the age pattern of mortality conforms to the CD West model life tables.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Uruguay

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1963, 1975, 1985, 1996, 2004, 2011 censuses; (b) official estimates through 2018; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) registered births classified by age of mother and the underlying female population by age through 2016; (b) adjusted for underregistration; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1963, 1975, 1985, 1996, 2004, 2011 censuses; (d) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1963, 1975, 1985, 1996, 2004, 2011 censuses; (e) International estimates considered up to 2017. In addition, the official estimates of age-specific fertility rates through 2014 have been considered.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2017; (b) adjusted for underregistration; (c) indirect estimates from data on children ever born and surviving from the 1963, 1975, 1985, 1996, 2004, 2011 censuses; (d) International estimates considered up to 2017.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) registered deaths by age and sex available through 2016; (b) adjusted for underreporting of infant and child deaths; (c) adult deaths adjusted for underregistration using the growth balance method; (d) mortality rates were extrapolated using projection methods; (e) International estimates considered up to 2017; (f) estimates of under-five, adult and old age mortality. In addition, the official estimates through 2007 have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Register through 2015; (b) adjusted for underregistration; (c) International estimates considered up to 2017.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination (Latin American countries, Spain and United States of America); (b) estimates derived as the differences between overall population growth and natural increase.

Uzbekistan

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1959, 1970, 1979, 1989 censuses; (b) official estimates through 2018; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2015; (b) registered births classified by age of mother and the underlying female population by age through 2017; (c) birth-histories data from the 1996 DHS and 2002 DHS Special.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 2002 DHS Special; (b) indirect estimates from data on children ever born and surviving from the 2000, 2006 MICS. In addition, the (a) official estimates of infant and child mortality through 2016; (b) registered infant and child deaths through 2016; (c) direct estimates from births and deaths under-five calculated from full birth histories data from the 1996 DHS have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2015; (b) registered deaths by age and sex available through 2017; (c) adjusted for underregistration; (d) mortality rates for older ages were adjusted.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Vanuatu

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1967, 1979, 1989, 2009 censuses and 2016 Mini-Census; (b) only total population for 1999 Census; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the official estimates through 2014 have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) birth-histories data from the 2013 DHS-MICS; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1967, 1979, 1989, 1999, 2009 censuses. In addition, the official estimates of age-specific fertility rates through 1999 have been considered.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 2013 DHS-MICS; (b) indirect estimates from data on children ever born and surviving from the 1967, 1989, 1999, 2009 censuses; (c) International estimates used up to 2018. In addition, the (a) indirect estimates from data on children ever born and surviving from the 2007 MICS; (b) recent household deaths from the 2009 Census have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2009; (b) International estimates used up to 2017; (c) estimates using LogQuad extended model life tables and estimates of under-five mortality (5q0), adult mortality (45q15) and old age mortality (15q60). In addition, the (a) official estimates through 2007; (b) registered deaths by age and sex available through 2009; (c) registered deaths by age and sex available through 2009; (d) adjusted for underreporting of infant and child deaths; (e) adult deaths adjusted for underregistration using the growth balance method; (f) adult deaths adjusted for underregistration using death distribution methods; (g) mortality rates for older ages were adjusted; (h) mortality rates were extrapolated using projection methods have been considered. *Note:* Data and methods utilized include (a) the estimates of infant and child mortality from IGME (www.childmortality.org, 2018) from 1952 to 2017, (b) the estimates of adult mortality 45Q15 from WPP2017, (c) the estimates of adult mortality 15Q60 from DCMD (www.lifetables.org, 2018) from 1995 to 2009, and (d) the three-input-parameter model life table of DCMD (www.lifetables.org, 2018).

Adult and Old Age Mortality: Estimates derived from: (a) recent household deaths data by age and sex from the 2009 Census; (b) intercensal survivorship from successive census age distributions;

(c) International estimates used up to 2017. In addition, the (a) recent household deaths data by age and sex from the 1989, 1999 censuses; (b) maternal orphanhood from the 1989, 1999, 2009 censuses; (c) paternal orphanhood from the 1989, 1999, 2009 censuses have been considered.

Migration: International migration based on: estimates derived as the differences between overall population growth and natural increase.

Venezuela (Bolivarian Republic of)

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1950, 1961, 1971, 1981, 1990, 2001, 2011 censuses; (b) official estimates through 2018; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) registered births classified by age of mother and the underlying female population by age through 2017; (b) adjusted for underregistration; (c) birth-histories data from the 1977 WFS and 1993 ENSO and 1998 ENPOFAM and 2008, 2010 ENDEVE; (d) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1950, 1961, 1971, 1981, 1990, 2001, 2011 censuses; (e) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1950, 1961, 1971, 1981, 1990, 2001, 2011 censuses; (f) indirect estimates obtained from the application of the own-children method of fertility estimation to the 2001 Census; (g) International estimates considered up to 2017. In addition, the official estimates of age-specific fertility rates through 2014 have been considered.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2016; (b) adjusted for underregistration; (c) direct estimates from births and deaths under-five calculated from full birth histories data from the 1977 WFS and 1998 ENPOFAM; (d) indirect estimates from data on children ever born and surviving from the 1961, 1971, 1981, 1990, 2001, 2011 censuses; (e) International estimates considered up to 2018.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) registered deaths by age and sex available through 2016; (b) adjusted for underregistration; (c) adjusted for underreporting of infant and child deaths; (d) adult deaths adjusted for underregistration using the growth balance method; (e) mortality rates were extrapolated using projection methods; (f) International estimates considered up to 2017; (g) estimates of under-five, adult and old age mortality. In addition, the official estimates through 2007 have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Register through 2014; (b) adjusted for underregistration; (c) International estimates considered up to 2017. In addition, the recent household deaths data by age and sex from the 1998 ENPOFAM have been considered.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination (Latin American countries, Spain and United States of America); (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Viet Nam

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1979, 1989, 1999, 2009 censuses; (b) 2014 IPHS survey estimates; and with estimates of the subsequent trends in fertility, mortality and international migration. In addition, the (a) 2015, 2016 Annual APC survey estimates; (b) official estimates through 2017 have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2016; (b) birth-histories data from the 1988, 1997, 2002 DHS; (c) births in the

household in the preceding 12 (or 24) months classified by age of mother from the 1979, 1999, 2009 censuses and 1994 IDS and 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2015, 2016 Annual APC and 2006, 2011, 2013-2014 MICS and 2014 IPHS; (d) indirect estimates obtained from the application of the reverse survival method to the 1979 Census; (e) indirect estimates obtained from the application of the own-children method of fertility estimation to the 1989, 1999, 2009 censuses and 2003 WHS and 2006, 2011 MICS.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2016; (b) direct estimates from births and deaths under-five calculated from full birth histories data from the 1988, 1997, 2002 DHS and 1994 IDS and 1995-1998 VLS and 2013-2014 MICS; (c) indirect estimates from data on children ever born and surviving from the 1989 Census and 2000 MICS and 2011, 2012, 2013, 2015 Annual APC; (d) recent household deaths from the 2014 IPHS; (e) International estimates used up to 2018. In addition, the (a) indirect estimates from data on children ever born and surviving from the 1999, 2009 censuses and 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010 Annual APC and 2006, 2011 MICS; (b) recent household deaths from the 1989, 1999, 2009 censuses have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2014; (b) estimates of under-five, adult and old age mortality. In addition, the (a) official estimates through 2016; (b) registered deaths by age and sex available through 2016; (c) registered deaths by age and sex available through 2016; (d) adjusted for underreporting of infant and child deaths; (e) adult deaths adjusted for underregistration using the growth balance method; (f) adult deaths adjusted for underregistration using death distribution methods; (g) mortality rates for older ages were adjusted; (h) mortality rates were extrapolated using projection methods have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Register through 2016; (b) adjusted for underregistration (sample mortality surveillance programme adjusted for infant and child mortality, and for adult death completeness according to capture-recapture survey); (c) recent household deaths data by age and sex from the 1979, 1989, 1999, 2009 censuses and 2007, 2008, 2012, 2013, 2015, 2016 Annual APC; (d) recent household deaths adjusted at adult ages for underregistration using death distribution methods; (e) siblings deaths from the 1991 VLHS and 1995-1998 VLS; (f) paternal orphanhood from the 1991 VLHS and 1995-1998 VLS; (g) intercensal survivorship from successive census age distributions (adjusted for outflows of refugees and differential completeness of census enumeration).
Note: For 1950-1970 life tables were derived from estimates of infant and child mortality by assuming that the age pattern of mortality conforms to the average experienced of the North and West models of the Coale-Demeny Model Life Tables in 1950-1955 and converged over time toward 1980s life tables. For 1965-1975, excess mortality due to the war was factored in the overall mortality levels based on direct and indirect adult mortality estimates derived from parental orphanhood and siblings survival from the 1991 VHS and 1995/98 VLS, and from the PRIO Battle Deaths Dataset.

Migration: International migration based on: (a) official figures of net international migration flows, and assumed subsequent trends in international migration; (b) information on foreign-born populations from censuses and registers from major countries of destination; (c) estimates derived as the differences between overall population growth and natural increase; (d) UNHCR statistics on the number of refugees in the main countries of asylum.

Wallis and Futuna Islands

Population: Total population estimated to be consistent with the population of the (a) 1969, 1976, 1996, 2013 censuses; (b) official estimates through 2016; (c) only total population for 1983, 1990, 2003, 2008, 2018 censuses; and the assumed subsequent trend in the growth rate of the population.
Note: Estimates from the Secretariat of the Pacific Community were also taken into account.

Western Sahara

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1970, 1982, 2004, 2014 censuses; (b) adjusted censuses for underenumeration; (c) official estimates through 1969; and with estimates of the subsequent trends in fertility, mortality and international migration.
Note: Estimated to be consistent with the coverage of the territory of Western Sahara in successive censuses of Morocco.

Fertility: Total fertility rate and age pattern of fertility based on: (a) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1982, 1994, 2004 censuses and 2009-2010 END; (b) indirect estimates obtained from the application of the reverse survival method to the 1982, 1994, 2004 censuses.
Note: Fertility estimates for several regions of Western Sahara (Oued-Ed-Dahab-Lagouira and Laayoune-Boujdour-Sakia El Hamra), as reported in successive censuses of Morocco.

Child Mortality: Under-five mortality based on: In the absence of statistics indicative of mortality levels and trends, mortality was assumed to have levels similar to those estimated for neighbouring countries with similar socio-economic conditions.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) In the absence of statistics indicative of mortality levels and trends, mortality was assumed to have levels similar to those estimated for neighbouring countries with similar socio-economic conditions; (b) estimates of under-five mortality (5q0) by assuming that the age pattern of mortality conforms to the CD West model life tables.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Yemen

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1994, 2004 censuses; (b) official estimates through 2014; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) birth-histories data from the 1979 WFS and 1991-1992, 1997, 2013 DHS and 2003 FHS and 2006 MICS; (b) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1988, 1994, 2004 censuses; (c) adjusted fertility using Arriaga modified P/F ratio method with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1988, 1994, 2004 censuses; (d) indirect estimates obtained from the application of the reverse survival method to the 2004 Census; (e) indirect estimates obtained from the application of the own-children method of fertility estimation to the 2006 MICS. In addition, the official estimates of age-specific fertility rates through 2004 have been considered.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 1979 WFS and 1991-1992, 1997, 2013 DHS and 2003 FHS and 2006 MICS; (b) indirect estimates from data on children ever born and surviving from the 1994, 2004 censuses; (c) recent household deaths from the 2004 Census.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: estimates using LogQuad model life tables and estimates of infant and under-five mortality (5q0), and adult mortality (45q15). In addition, the official estimates through 2007 have been considered.

Adult and Old Age Mortality: Estimates derived from: (a) recent household deaths data by age and sex from the 1991-1992 DHS; (b) siblings deaths from the 2013 DHS; (c) maternal orphanhood from the 1979

WFS and 2004 Census; (d) paternal orphanhood from the 1979 WFS and 2004 Census; (e) indirect estimates of adult mortality based on widowhood data from the 1979 WFS.
Note: Adult mortality estimates were implied by the relationship between child mortality and adult mortality based on the South model of the Coale-Demeny Model Life Tables and assumed to converge over time toward the West model of the Coale-Demeny Model Life Tables by the 1980s.

Migration: International migration based on: (a) estimates of migrant flows, and assumed subsequent trends in international migration (Yemeni migrants who returned to Yemen during the aftermath of the Gulf War); (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Zambia

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1969, 1980, 1990, 2000, 2010 censuses; (b) adjusted censuses for underenumeration; (c) 2015-2016 SAVVY survey estimates; (d) official estimates through 2017; and with estimates of the subsequent trends in fertility, mortality and international migration.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2000; (b) birth-histories data from the 1992, 1996, 2001-2002, 2007, 2013-2014 DHS; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1969, 1980, 1990, 2000, 2010 censuses and 1974 Sample Census; (d) adjusted fertility using Brass P/F ratio method (or variants) with data on children ever born and births in the preceding 12 (or 24/36) months, both classified by age of mother, from the 1969, 1980, 1990, 2000 censuses.

Child Mortality: Under-five mortality based on: (a) direct estimates from births and deaths under-five calculated from full birth histories data from the 1992, 1996, 2001-2002, 2007, 2013-2014 DHS; (b) indirect estimates from data on children ever born and surviving from the 1969, 1980, 2000, 2010 censuses and 1974 Sample Census; (c) International estimates used up to 2018. In addition, the recent household deaths from the 2007 DHS and 2008 GFFS and 2008 HHCS and 2010 Census and 2015-2016 SAVVY have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2007; (b) International estimates used up to 2017; (c) The demographic impact of AIDS has been factored into the mortality estimates; (d) estimates using HIV/AIDS model life tables and estimates of under-five mortality (5q0) and adult mortality (45q15) with UNAIDS estimates of adult HIV prevalence, and ART coverage for children and adults.

Adult and Old Age Mortality: Estimates derived from: (a) recent household deaths data by age and sex from the 1998 LCMS2 and 2005, 2009 SBS and 2006 LCMS5 and 2007 DHS and 2008 GFFS and 2008 HHCS and 2010 LCMS6 and 2015-2016 SAVVY; (b) recent household deaths adjusted at adult ages for underregistration using death distribution methods; (c) siblings deaths from the 1996, 2001-2002, 2007, 2013-2014 DHS and 2000 SBS; (d) International estimates used up to 2017. In addition, the (a) maternal orphanhood from the 1992, 1996, 2001-2002, 2007, 2013-2014 DHS and 1999 MICS and 2010 Census; (b) paternal orphanhood from the 2010 Census have been considered.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) estimates derived as the differences between overall population growth and natural increase; (c) UNHCR statistics on the number of refugees in the main countries of asylum.

Zimbabwe

Population: Total population and distribution by age and sex estimated to be consistent with the population by age and sex of the (a) 1982, 1992, 2002, 2012 censuses; (b) adjusted censuses for underenumeration; (c) 2017 ICDS survey estimates; (d) official estimates through 2017; and with estimates

of the subsequent trends in fertility, mortality and international migration. In addition, the only total population for 1969 Census have been considered.

Fertility: Total fertility rate and age pattern of fertility based on: (a) official estimates of age-specific fertility rates through 2005; (b) birth-histories data from the 1988, 1994, 1996, 1999, 2005-2006, 2010-2011, 2015 DHS and 2009, 2014 MICS; (c) births in the household in the preceding 12 (or 24) months classified by age of mother from the 1969, 1982, 2002, 2012 censuses and 1984 RHS and 2017 ICDS.

Child Mortality: Under-five mortality based on: (a) registered infant and child deaths through 2002; (b) direct estimates from births and deaths under-five calculated from full birth histories data from the 1988, 1994, 1996, 1999, 2005-2006, 2010-2011, 2015 DHS and 2008 ICDS and 2009, 2014 MICS; (c) indirect estimates from data on children ever born and surviving from the 1969, 1982, 1992, 2002 censuses and 1984 RHS and 1987, 1997 ICDS; (d) International estimates used up to 2018. In addition, the recent household deaths from the 1992, 2002, 2012 censuses and 1997, 2017 ICDS and 2005-2006 DHS have been considered.

Overall Mortality: Life expectancy at birth and age pattern of mortality based on: (a) official estimates through 2007; (b) registered deaths by age and sex available through 2012; (c) adjusted for underreporting of infant and child deaths; (d) adult deaths adjusted for underregistration using death distribution methods; (e) International estimates used up to 2017; (f) The demographic impact of AIDS has been factored into the mortality estimates; (g) estimates using HIV/AIDS model life tables and estimates of under-five mortality ($5q0$) and adult mortality ($45q15$) with UNAIDS estimates of adult HIV prevalence, and ART coverage for children and adults.

Adult and Old Age Mortality: Estimates derived from: (a) deaths by age and sex available from Register through 2002; (b) adjusted for underregistration; (c) recent household deaths data by age and sex from the 1997, 2017 ICDS and 2002 Census and 2005-2006 DHS; (d) siblings deaths from the 1994, 1999, 2005-2006, 2010-2011, 2015 DHS and 2014 MICS; (e) International estimates used up to 2017. In addition, the (a) maternal orphanhood from the 1982, 1992, 2002, 2012 censuses and 1994, 1999, 2005-2006, 2010-2011 DHS and 1997 ICDS; (b) paternal orphanhood from the 1982, 1992, 2002, 2012 censuses and 1997 ICDS have been considered.

Migration: International migration based on: (a) information on foreign-born populations from censuses and registers from major countries of destination; (b) information on the number of migrant workers or about labor migration; (c) estimates derived as the differences between overall population growth and natural increase; (d) UNHCR statistics on the number of refugees in the main countries of asylum.

Notes

The designations employed in this publication and the material presented in it do not imply the expression of any opinion whatsoever on the part of the Secretariat of the United Nations concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries.

The term "country" as used in this publication also refers, as appropriate, to territories or areas. The names and composition of geographical areas follow those presented in "Standard country or area codes for statistical use" (ST/ESA/STAT/SER.M/49/Rev.3), available at http://unstats.un.org/unsd/methods/m49/m49.htm.

For country notes, please refer to: https://population.un.org/wpp/Download/Metadata/Documentation

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