

# Package ‘wpp2010’

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**Description** Data from the United Nation's World Population Prospects  
2010

**License** GPL (>= 2)

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wpp2010-package

*World Population Prospects 2010*

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## Description

Data from the United Nations World Population Prospects 2010.

## Details

Package: wpp2010  
Version: 1.2-0  
Date: 2013-5-8  
Depends: R (>= 2.14.2)  
License: GPL (>= 2)  
URL: <http://esa.un.org/wpp>

The package contains the following datasets:

- `tfr`, `tfr_supplemental`, `tfrprojMed`, `tfrprojHigh`, `tfrprojLow`: estimates and projections of total fertility rate
- `e0F`, `e0M`, `e0F_supplemental`, `e0M_supplemental`, `e0Fproj`, `e0Mproj`: estimates and projections of life expectancy
- `popF`, `popM`: age-specific population estimates and projections
- `mxF`, `mxM`: age-specific mortality rates
- `migrationF`, `migrationM`: age-specific net migration (see note below)
- `sexRatio`: sex ratio at birth as a ratio of female to male
- `percentASFR`: distribution of age-specific fertility rates
- `UNlocations`: location dataset

## Note

Distributions of net migrants by age and sex are provided for illustrative purpose only. Migration figures are based on intercensal net residuals and official statistics, population distribution by age and sex or simplified versions of Rogers-Castro migration age patterns, and incorporate statistical adjustment errors.

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## Source

These datasets are based on estimates and projections of United Nations, Department of Economic and Social Affairs, Population Division (2011).

## References

World Population Prospects: The 2010 Revision. (<http://esa.un.org/unpd/wpp>) Special Tabulations.

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e0

*United Nations Time Series of Life Expectancy*

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## Description

Datasets containing the United Nations time series of the life expectancy (e0) for all countries of the world as available in 2010. Datasets e0F and e0F\_supplemental contain estimates for female historical e0; e0M and e0M\_supplemental contain estimates for male historical e0. The \*\_supplemental datasets contain a subset of countries for which data prior 1950 are available. Datasets e0Mproj and e0Fproj contain projections of male and female e0, respectively.

## Usage

data(e0F)

data(e0M)

data(e0F\_supplemental)

data(e0M\_supplemental)

data(e0Fproj)

data(e0Mproj)

## Format

The datasets contain one record per country or region. They contain the following variables:

country Name of country or region (following ISO 3166 official short names in English - see [http://www.iso.org/iso/country\\_codes/iso\\_3166\\_code\\_lists/english\\_country\\_names\\_and\\_code\\_elements.htm](http://www.iso.org/iso/country_codes/iso_3166_code_lists/english_country_names_and_code_elements.htm) and United Nations Multilingual Terminology Database - see <http://unterm.un.org>).

country\_code Numerical Location Code (3-digit codes following ISO 3166-1 numeric standard) - see [http://en.wikipedia.org/wiki/ISO\\_3166-1\\_numeric](http://en.wikipedia.org/wiki/ISO_3166-1_numeric).

1950-1955, 1955-1960, ... Life expectancy in various five-year time intervals. The e0\*proj datasets start at 2010-2015. The e0\*\_supplemental datasets start at 1750-1755. Missing data have NA values.

## Source

These datasets are based on estimates and projections of United Nations, Department of Economic and Social Affairs, Population Division (2011).

## References

World Population Prospects: The 2010 Revision. (<http://esa.un.org/unpd/wpp>) Special Tabulations.

## Examples

```
data(e0M)
head(e0M)

data(e0Fproj)
str(e0Fproj)
```

---

migration

*Datasets on Migration*

---

## Description

Estimates and projections of male and female age-specific net migration.

## Usage

```
data(migrationM)
data(migrationF)
```

## Format

Data frames with one row per country and age group. For each country there are 21 age groups. It contains the following variables:

country Country name.

country\_code Numerical Location Code (3-digit codes following ISO 3166-1 numeric standard) - see [http://en.wikipedia.org/wiki/ISO\\_3166-1\\_numeric](http://en.wikipedia.org/wiki/ISO_3166-1_numeric).

age A character string representing an age interval. For each country there are 21 values: “0-4”, “5-9”, “10-14”, “15-19”, “20-24”, “25-29”, “30-34”, “35-39”, “40-44”, “45-49”, “50-54”, “55-59”, “60-64”, “65-69”, “70-74”, “75-79”, “80-84”, “85-89”, “90-94”, “95-99”, and “100+” in that order.

1990-1995, 1995-2000, 2000-2005, ... Net migration for the specific time period. Not available data are represented by an empty string.

## Note

Distributions of net migrants by age and sex are provided for illustrative purpose only. Migration figures are based on intercensal net residuals and official statistics, population distribution by age and sex or simplified versions of Rogers-Castro migration age patterns, and incorporate statistical adjustment errors.

**Source**

These datasets are based on estimates and projections of United Nations, Department of Economic and Social Affairs, Population Division (2011).

**References**

World Population Prospects: The 2010 Revision. (<http://esa.un.org/unpd/wpp>) Special Tabulations.

**Examples**

```
data(migrationM)
str(migrationM)
```

---

 mx

*Age-specific Mortality Data*


---

**Description**

Age-specific data on mortality for male (mxM) and female (mxF).

**Usage**

```
data(mxM)
data(mxF)
```

**Format**

Data frames with one row per country and age group. For each country there are 22 age groups. It contains the following variables:

country Country name.

country\_code Numerical Location Code (3-digit codes following ISO 3166-1 numeric standard) - see [http://en.wikipedia.org/wiki/ISO\\_3166-1\\_numeric](http://en.wikipedia.org/wiki/ISO_3166-1_numeric).

age A character string representing an age interval (given by the starting age of the interval). For each country there are 22 values: "0", "1", "5", "10", "15", "20", "25", "30", "35", "40", "45", "50", "55", "60", "65", "70", "75", "80", "85", "90", "95", and "100+" in that order.

1950-1955, 1955-1960, ... Mortality rate for the given time period. Not available data are represented by an empty string.

**Source**

This dataset is based on estimates and projections of United Nations, Department of Economic and Social Affairs, Population Division (2011).

## References

World Population Prospects: The 2010 Revision. (<http://esa.un.org/unpd/wpp>) Special Tabulations.

## Examples

```
data(mxF)
str(mxF)
```

---

percentASFR

*Datasets on Age-specific Distribution of Fertility Rates*

---

## Description

Datasets giving the percentage of fertility rates over ages 15-50.

## Usage

```
data(percentASFR)
```

## Format

A data frame with one row per country and age group. For each country there are seven age groups. It contains columns country, country\_code, age and one columns per time interval.

## Source

This dataset is based on estimates and projections of United Nations, Department of Economic and Social Affairs, Population Division (2011).

## References

World Population Prospects: The 2010 Revision. (<http://esa.un.org/unpd/wpp>) Special Tabulations.

## Examples

```
data(percentASFR)
str(percentASFR)
```

**Description**

Datasets with age-specific male and female historical population estimates and projections.

**Usage**

```
data(popM)
data(popF)
```

**Format**

Data frames with one row per country and age group. For each country there are 21 age groups. It contains the following variables:

country Country name.

country\_code Numerical Location Code (3-digit codes following ISO 3166-1 numeric standard)  
- see [http://en.wikipedia.org/wiki/ISO\\_3166-1\\_numeric](http://en.wikipedia.org/wiki/ISO_3166-1_numeric).

age A character string representing an age interval. For each country there are 21 values: "0-4", "5-9", "10-14", "15-19", "20-24", "25-29", "30-34", "35-39", "40-44", "45-49", "50-54", "55-59", "60-64", "65-69", "70-74", "75-79", "80-84", "85-89", "90-94", "95-99", and "100+" in that order.

1950, 1955, ... Population estimate or projection for the given time.

**Source**

These datasets are based on estimates and projections of United Nations, Department of Economic and Social Affairs, Population Division (2011).

**References**

World Population Prospects: The 2010 Revision. (<http://esa.un.org/unpd/wpp>) Special Tabulations.

**Examples**

```
data(popM)
str(popM)
```

---

`sexRatio`*Sex Ratio at Birth*

---

**Description**

Estimates and projections of the sex ratio at birth derived as the number of female divided by the number of male.

**Usage**

```
data(sexRatio)
```

**Format**

A data frame with one record per country. It contains columns `country`, `country_code`, and one column per time interval.

**Source**

This dataset is based on estimates and projections of United Nations, Department of Economic and Social Affairs, Population Division (2011).

**References**

World Population Prospects: The 2010 Revision. (<http://esa.un.org/unpd/wpp>) Special Tabulations.

**Examples**

```
data(sexRatio)
str(sexRatio)
```

---

`tfr`*United Nations Time Series of Total Fertility Rate*

---

**Description**

Datasets containing the United Nations time series of the total fertility rate (TFR) for all countries of the world as available in 2010. Dataset `tfr` contains estimates of the historical TFR starting with 1950; `tfr_supplemental` contains a subset of countries for which data prior 1950 are available. Datasets `tfrprojMed`, `tfrprojHigh` and `tfrprojLow` contain median, high and low projections, respectively.

**Usage**

```
data(tfr)
data(tfr_supplemental)
data(tfrprojMed)
data(tfrprojHigh)
data(tfrprojLow)
```

**Format**

The datasets contain one record per country or region. It contains the following variables:

country Name of country or region (following ISO 3166 official short names in English - see [http://www.iso.org/iso/country\\_codes/iso\\_3166\\_code\\_lists/english\\_country\\_names\\_and\\_code\\_elements.htm](http://www.iso.org/iso/country_codes/iso_3166_code_lists/english_country_names_and_code_elements.htm) and United Nations Multilingual Terminology Database - see <http://unterm.un.org>).

country\_code Numerical Location Code (3-digit codes following ISO 3166-1 numeric standard) - see [http://en.wikipedia.org/wiki/ISO\\_3166-1\\_numeric](http://en.wikipedia.org/wiki/ISO_3166-1_numeric).

1950-1955, 1955-1960, ... TFR in various five-year time intervals. The tfrproj\* datasets start at 2010-2015. The tfr\_supplemental datasets start at 1740-1745. Missing data have NA values.

**Source**

These datasets are based on estimates and projections of United Nations, Department of Economic and Social Affairs, Population Division (2011).

**References**

World Population Prospects: The 2010 Revision. (<http://esa.un.org/unpd/wpp>) Special Tabulations.

**Examples**

```
data(tfr)
head(tfr)

data(tfrprojMed)
str(tfrprojMed)
```

---

UNlocations

*United Nations Table of Locations*

---

**Description**

United Nations table of locations, including regions, as available in 2010.

**Usage**

```
data(UNlocations)
```

**Format**

A data frame with one observations per country or region. It contains the following seven variables:

**name** Name of country or region (following ISO 3166 official short names in English - see [http://www.iso.org/iso/country\\_codes/iso\\_3166\\_code\\_lists/english\\_country\\_names\\_and\\_code\\_elements.htm](http://www.iso.org/iso/country_codes/iso_3166_code_lists/english_country_names_and_code_elements.htm) and United Nations Multilingual Terminology Database - see <http://unterm.un.org>).

**country\_code** Numerical Location Code (3-digit codes following ISO 3166-1 numeric standard) - see [http://en.wikipedia.org/wiki/ISO\\_3166-1\\_numeric](http://en.wikipedia.org/wiki/ISO_3166-1_numeric).

**reg\_code** Code of the regions.

**reg\_name** Name of the regions.

**area\_code** Area code.

**area\_name** Area names, such as Africa, Asia, Europe Latin America and the Caribbean, Northern America, Oceania, World.

**location\_type** Code giving the type of the observation (0=World, 2=Major Area, 3=Region, 4=Country/Area, 5=Development group, 12=Special groupings).

**Source**

Data provided by the United Nations Population Division

**Examples**

```
data(UNlocations)
```

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