

# Package ‘brpop’

October 12, 2022

**Title** Brazilian Population Estimatives

**Version** 0.1.5

**Description** Datasets with yearly (2000 to 2021) Brazilian population estimates from Data-SUS/Brazilian Health Ministry, aggregated by state, municipality, sex, and age groups. The data in this package is manually downloaded from the Data-SUS website (<<http://tabnet.datasus.gov.br/cgi/deftohtm.exe?popsvs/cnv/popbr.def>>) and converted to tibbles.

**License** MIT + file LICENSE

**Encoding** UTF-8

**RoxygenNote** 7.2.1

**Depends** R (>= 2.10)

**LazyData** true

**LazyDataCompression** xz

**Suggests** testthat (>= 3.0.0)

**Config/testthat/edition** 3

**Imports** dplyr, future, magrittr, multidplyr, rlang

**URL** <https://rfsaldanha.github.io/brpop/>

**NeedsCompilation** no

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mun_female_pop	<i>Municipality yearly female population estimates per age group</i>
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## Description

A dataset containing female population estimates for Brazilian municipalities per age groups from 2000 to 2021.

## Usage

mun\_female\_pop

## Format

A tibble with 2,216,016 rows and 4 variables:

**mun** municipality 6 digits code

**year** year of the estimative

**age\_group** age group

**pop** population estimative

## Details

The estimates were calculated by DataSUS (Brazilian Ministry of Health), manually downloaded from DataSUS website, and organized as a tibble.

More details about the estimation methodology may be found here: <http://tabnet.datasus.gov.br/cgi/POPSVS/NT-POPULACAO-RESIDENTE-2000-2021.PDF>

### Source

<http://tabnet.datasus.gov.br/cgi/defthtm.exe?popsvs/cnv/popbr.def>

---

`mun_female_pop_totals` *Municipality yearly female population estimates totals*

---

### Description

This function provides a tibble containing female population estimates for Brazilian municipalities totals from 2000 to 2021.

### Usage

```
mun_female_pop_totals()
```

### Details

The estimates were calculated by DataSUS (Brazilian Ministry of Health), manually downloaded from DataSUS website, and organized as a tibble.

More details about the estimation methodology may be found here: <http://tabnet.datasus.gov.br/cgi/POPSVS/NT-POPULACAO-RESIDENTE-2000-2021.PDF>

**mun** municipality 6 digits code

**year** year of the estimative

**pop** population estimative

### Value

A tibble.

### See Also

[mun\\_female\\_pop.](#)

---

mun_male_pop	<i>Municipality yearly male population estimates per age group</i>
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---

**Description**

A dataset containing male population estimates for Brazilian municipalities per age groups from 2000 to 2021.

**Usage**

```
mun_male_pop
```

**Format**

A tibble with 2,216,016 rows and 4 variables:

**mun** municipality 6 digits code

**year** year of the estimative

**age\_group** age group

**pop** population estimative

**Details**

The estimates were calculated by DataSUS (Brazilian Ministry of Health), manually downloaded from DataSUS website, and organized as a tibble.

More details about the estimation methodology may be found here: <http://tabnet.datasus.gov.br/cgi/POPSVS/NT-POPULACAO-RESIDENTE-2000-2021.PDF>

**Source**

<http://tabnet.datasus.gov.br/cgi/deftohtm.exe?popsvs/cnv/popbr.def>

---

mun_male_pop_totals	<i>Municipality yearly male population estimates totals</i>
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---

**Description**

This function provides a tibble containing male population estimates for Brazilian municipalities totals from 2000 to 2021.

**Usage**

```
mun_male_pop_totals()
```

### Details

The estimates were calculated by DataSUS (Brazilian Ministry of Health), manually downloaded from DataSUS website, and organized as a tibble.

More details about the estimation methodology may be found here: <http://tabnet.datasus.gov.br/cgi/POPSVS/NT-POPULACAO-RESIDENTE-2000-2021.PDF>

**mun** municipality 6 digits code

**year** year of the estimative

**pop** population estimative

### Value

A tibble.

### See Also

[mun\\_male\\_pop](#).

---

mun\_pop

*Municipality yearly population estimates per age group*

---

### Description

This function provides a tibble containing population estimates for Brazilian municipalities per age groups from 2000 to 2021.

### Usage

```
mun_pop()
```

### Format

A tibble with 2,216,016 rows and 4 variables:

**mun** municipality 6 digits code

**year** year of the estimative

**age\_group** age group

**pop** population estimative

### Details

The estimates were calculated by DataSUS (Brazilian Ministry of Health), manually downloaded from DataSUS website, and organized as a tibble.

More details about the estimation methodology may be found here: <http://tabnet.datasus.gov.br/cgi/POPSVS/NT-POPULACAO-RESIDENTE-2000-2021.PDF>

**Value**

A tibble.

**See Also**

[mun\\_male\\_pop](#), [mun\\_female\\_pop](#).

---

mun_pop_totals	<i>Municipality yearly population estimates totals</i>
----------------	--

---

**Description**

This function provides a tibble containing population estimates for Brazilian municipalities totals from 2000 to 2021.

**Usage**

```
mun_pop_totals()
```

**Details**

The estimates were calculated by DataSUS (Brazilian Ministry of Health), manually downloaded from DataSUS website, and organized as a tibble.

More details about the estimation methodology may be found here: <http://tabnet.datasus.gov.br/cgi/POPSVS/NT-POPULACAO-RESIDENTE-2000-2021.PDF>

**mun** municipality 6 digits code

**year** year of the estimative

**pop** population estimative

**Value**

A tibble.

**See Also**

[mun\\_male\\_pop](#), [mun\\_female\\_pop](#).

---

mun_reg_saude	<i>Municipality and health region code table</i>
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---

**Description**

A dataset containing municipality and health regions codes. #'

**Usage**

```
mun_reg_saude
```

**Format**

A tibble with 5,597 rows and 2 variables:

**cod\_mun** municipality 6 digits code

**cod\_reg\_saude** health region 4 digits code

---

mun_sex_pop	<i>Municipality yearly population estimates per age group and sex</i>
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---

**Description**

This function binds UF male and female datasets (mun\_male\_pop and mun\_female\_pop) and includes a new variable called 'sex'.

**Usage**

```
mun_sex_pop()
```

**Value**

A tibble.

**See Also**

[mun\\_male\\_pop](#), [mun\\_female\\_pop](#).

---

regsaude\_female\_pop    *Health region yearly female population estimates per age group*

---

## Description

This function provides a tibble containing female population estimates for Brazilian health regions per age groups from 2000 to 2021.

## Usage

```
regsaude_female_pop()
```

## Format

A tibble with 143,748 rows and 4 variables:

**regsaude** health region 4 digits code

**year** year of the estimative

**age\_group** age group

**pop** population estimative

## Details

The estimates were calculated by DataSUS (Brazilian Ministry of Health), manually downloaded from DataSUS website, and organized as a tibble.

More details about the estimation methodology may be found here: <http://tabnet.datasus.gov.br/cgi/POPSVS/NT-POPULACAO-RESIDENTE-2000-2021.PDF>

## Value

A tibble.

## See Also

[mun\\_male\\_pop](#), [mun\\_female\\_pop](#).



---

`regsaude_female_pop_totals`*Health region yearly female population estimates totals*

---

**Description**

This function provides a tibble containing female population estimates for Brazilian health regions totals from 2000 to 2021.

**Usage**

```
regsaude_female_pop_totals()
```

**Details**

The estimates were calculated by DataSUS (Brazilian Ministry of Health), manually downloaded from DataSUS website, and organized as a tibble.

More details about the estimation methodology may be found here: <http://tabnet.datasus.gov.br/cgi/POPSVS/NT-POPULACAO-RESIDENTE-2000-2021.PDF>

**regsaude** health region 4 digits code

**year** year of the estimative

**pop** population estimative

**Value**

A tibble.

**See Also**

[regsaude\\_female\\_pop](#).

---

`regsaude_male_pop`*Health region yearly male population estimates per age group*

---

**Description**

This function provides a tibble containing male population estimates for Brazilian health regions per age groups from 2000 to 2021.

**Usage**

```
regsaude_male_pop()
```

**Format**

A tibble with 143,748 rows and 4 variables:

**regsaude** health region 4 digits code

**year** year of the estimative

**age\_group** age group

**pop** population estimative

**Details**

The estimates were calculated by DataSUS (Brazilian Ministry of Health), manually downloaded from DataSUS website, and organized as a tibble.

More details about the estimation methodology may be found here: <http://tabnet.datasus.gov.br/cgi/POPSVS/NT-POPULACAO-RESIDENTE-2000-2021.PDF>

**Value**

A tibble.

**See Also**

[mun\\_male\\_pop](#), [mun\\_female\\_pop](#).

---

regsaude\_male\_pop\_totals

*Health region yearly male population estimates totals*

---

**Description**

This function provides a tibble containing male population estimates for Brazilian health regions totals from 2000 to 2021.

**Usage**

```
regsaude_male_pop_totals()
```

**Details**

The estimates were calculated by DataSUS (Brazilian Ministry of Health), manually downloaded from DataSUS website, and organized as a tibble.

More details about the estimation methodology may be found here: <http://tabnet.datasus.gov.br/cgi/POPSVS/NT-POPULACAO-RESIDENTE-2000-2021.PDF>

**regsaude** health region 4 digits code

**year** year of the estimative

**pop** population estimative

**Value**

A tibble.

**See Also**

[regsaude\\_male\\_pop](#).

---

regsaude\_pop

*Health region yearly population estimates per age group*

---

**Description**

This function provides a tibble containing population estimates for Brazilian health regions per age groups from 2000 to 2021.

**Usage**

```
regsaude_pop()
```

**Format**

A tibble with 143,748 rows and 4 variables:

**regsaude** health region 4 digits code

**year** year of the estimative

**age\_group** age group

**pop** population estimative

**Details**

The estimates were calculated by DataSUS (Brazilian Ministry of Health), manually downloaded from DataSUS website, and organized as a tibble.

More details about the estimation methodology may be found here: <http://tabnet.datasus.gov.br/cgi/POPSVS/NT-POPULACAO-RESIDENTE-2000-2021.PDF>

**Value**

A tibble.

**See Also**

[regsaude\\_male\\_pop](#), [regsaude\\_female\\_pop](#).

---

regsaude\_pop\_totals     *Health region yearly population estimates totals*

---

### Description

This function provides a tibble containing population estimates for Brazilian health regions totals from 2000 to 2021.

### Usage

```
regsaude_pop_totals()
```

### Details

The estimates were calculated by DataSUS (Brazilian Ministry of Health), manually downloaded from DataSUS website, and organized as a tibble.

More details about the estimation methodology may be found here: <http://tabnet.datasus.gov.br/cgi/POPSVS/NT-POPULACAO-RESIDENTE-2000-2021.PDF>

**regsaude** health region 4 digits code

**year** year of the estimative

**pop** population estimative

### Value

A tibble.

### See Also

[regsaude\\_male\\_pop](#), [regsaude\\_female\\_pop](#).

---

uf\_female\_pop     *UF yearly female population estimates per age group*

---

### Description

A dataset containing female population estimates for Brazilian UFs ("Unidades Federativas") per age groups from 2000 to 2021.

### Usage

```
uf_female_pop
```

**Format**

A tibble with 10,692 rows and 4 variables:

**uf** UF 2 digits code

**year** year of the estimative

**age\_group** age group

**pop** population estimative

**Details**

The estimates were calculated by DataSUS (Brazilian Ministry of Health), manually downloaded from DataSUS website, and organized as a tibble.

More details about the estimation methodology may be found here: <http://tabnet.datasus.gov.br/cgi/POPSVS/NT-POPULACAO-RESIDENTE-2000-2021.PDF>

**Source**

<http://tabnet.datasus.gov.br/cgi/deftohtm.exe?popsvs/cnv/popbr.def>

---

uf\_female\_pop\_totals    *UF yearly female population estimates totals*

---

**Description**

This function provides a tibble containing female population estimates for Brazilian UFs ("Unidades Federativas") totals from 2000 to 2021.

**Usage**

```
uf_female_pop_totals()
```

**Details**

The estimates were calculated by DataSUS (Brazilian Ministry of Health), manually downloaded from DataSUS website, and organized as a tibble.

More details about the estimation methodology may be found here: <http://tabnet.datasus.gov.br/cgi/POPSVS/NT-POPULACAO-RESIDENTE-2000-2021.PDF>

**uf** UF 2 digits code

**year** year of the estimative

**pop** population estimative

**Value**

A tibble.

**See Also**

[uf\\_female\\_pop](#).

---

uf_male_pop	<i>UF yearly male population estimates per age group</i>
-------------	--

---

**Description**

A dataset containing male population estimates for Brazilian UFs ("Unidades Federativas") per age groups from 2000 to 2021.

**Usage**

uf\_male\_pop

**Format**

A tibble with 10,692 rows and 4 variables:

**uf** UF 2 digits code

**year** year of the estimative

**age\_group** age group

**pop** population estimative

**Details**

The estimates were calculated by DataSUS (Brazilian Ministry of Health), manually downloaded from DataSUS website, and organized as a tibble.

More details about the estimation methodology may be found here: <http://tabnet.datasus.gov.br/cgi/POPSVS/NT-POPULACAO-RESIDENTE-2000-2021.PDF>

**Source**

<http://tabnet.datasus.gov.br/cgi/deftohtm.exe?popsvs/cnv/popbr.def>

---

uf_male_pop_totals	<i>UF yearly male population estimates totals</i>
--------------------	---

---

**Description**

This function provides a tibble containing male population estimates for Brazilian UFs ("Unidades Federativas") totals from 2000 to 2021.

**Usage**

```
uf_male_pop_totals()
```

**Details**

The estimates were calculated by DataSUS (Brazilian Ministry of Health), manually downloaded from DataSUS website, and organized as a tibble.

More details about the estimation methodology may be found here: <http://tabnet.datasus.gov.br/cgi/POPSVS/NT-POPULACAO-RESIDENTE-2000-2021.PDF>

**uf** UF 2 digits code

**year** year of the estimative

**pop** population estimative

**Value**

A tibble.

**See Also**

[uf\\_male\\_pop](#).

---

uf_pop	<i>UF yearly population estimates per age group</i>
--------	---

---

**Description**

This function provides a tibble containing population estimates for Brazilian UFs ("Unidades Federativas") per age groups from 2000 to 2021.

**Usage**

```
uf_pop()
```

**Format**

A tibble with 10,692 rows and 4 variables:

**uf** UF 2 digits code

**year** year of the estimative

**age\_group** age group

**pop** population estimative

**Details**

The estimates were calculated by DataSUS (Brazilian Ministry of Health), manually downloaded from DataSUS website, and organized as a tibble.

More details about the estimation methodology may be found here: <http://tabnet.datasus.gov.br/cgi/POPSVS/NT-POPULACAO-RESIDENTE-2000-2021.PDF>

**Value**

A tibble.

**See Also**

[uf\\_male\\_pop](#), [uf\\_female\\_pop](#).

---

uf_pop_totals	<i>UF yearly population estimates totals</i>
---------------	--

---

**Description**

This function provides a tibble containing population estimates for Brazilian UFs ("Unidades Federativas") totals from 2000 to 2021.

**Usage**

```
uf_pop_totals()
```

**Details**

The estimates were calculated by DataSUS (Brazilian Ministry of Health), manually downloaded from DataSUS website, and organized as a tibble.

More details about the estimation methodology may be found here: <http://tabnet.datasus.gov.br/cgi/POPSVS/NT-POPULACAO-RESIDENTE-2000-2021.PDF>

**uf** UF 2 digits code

**year** year of the estimative

**pop** population estimative



**Value**

A tibble.

**See Also**

[uf\\_male\\_pop](#), [uf\\_female\\_pop](#).

---

`uf_sex_pop`

*UF yearly population estimates per age group and sex*

---

**Description**

This function binds UF male and female datasets (`uf_male_pop` and `uf_female_pop`) and includes a new variable called 'sex'.

**Usage**

```
uf_sex_pop()
```

**Value**

A tibble.

**See Also**

[uf\\_male\\_pop](#), [uf\\_female\\_pop](#).

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