Package: covid19census (via r-universe)

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Type Package

Title Extracts Covid-19 and other demographic metrics regarding U.S.A and Italy

Version 0.1.0

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Description Package with functions to scrape data regarding COVID-19 epidemic in U.S.A and Italy, as well as datasets with related indexes.

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Encoding UTF-8

LazyData true

Roxygen list(markdown = TRUE)

RoxygenNote 7.1.0

Imports vroom (>= 1.2.0), magrittr (>= 1.5), rlang (>= 0.4.5), dplyr (>= 0.8.5), tidyr (>= 1.0.2), plyr (>= 1.8.6), janitor (>= 2.0.1), stringr (>= 1.4.0), RCurl (>= 1.98.1.2), BiocStyle (>= 2.14.4), purrr (>= 0.3.4), reshape2 (>= 1.4.4), data.table (>= 1.12.9)

Depends R (>= 2.10)

Suggests testthat, knitr, rmarkdown, covr

Remotes Bioconductor/BiocStyle

VignetteBuilder knitr

Repository https://marchionnilab.r-universe.dev

RemoteUrl https://github.com/marchionniLab/covid19census

RemoteRef HEAD

RemoteSha ee58904aaf0590d89b633a9a37ed3a87be705912

Contents

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getit_all	*get COVID-19 cases and other statistics*

Description

extracts and translates time series form the git repository of the protezione civile and combines them with other statistics related to italian population.

Usage

```
getit_all()
```

Details

Data regarding COVID-19 comes form the repository of the protezione civile and it is updated daily. Age and sex of the population (2019), first aid and medical guard visits (2018), smoking status (2018), prevalence of chronic conditions (2018), annual-household income (2017) household crowding index (2018) and body-mass index were dataset collect by ISTAT. Prevalence of types of cancer patients (2016), influenza-vaccination coverage (2019) and the number of hospital beds per 1000 people (2017) were obtained from Ministero della Salute. Note that cancer patients prevalence was calculated using region population esitmates of 2019. Data of particulate 2.5 (2017) comes from the Istituto Superiore Per La protezione Ambientale.

Value

a dataframe with following 64 variables:

date date of data

state state

region_code region abbreviation

region full name of region

lat lat

long long

perc_imm influenza vaccination coverage in the general population

perc_imm65 influenza vaccination coverage in people age 65 or older

cmr case-mortality rate for that region and that date (deaths/total_cases * 100)

ases number of COVID-19 positive cases detected

deaths number of deaths

total_tests number of tests performed

hospitalized_with_symptoms number of people hospitalized with symptoms, that day

intensive_care_unit number of people in intensive care units, that day

total_hospitalized hospitalized_with_symptoms + intensive_care_unit

home_quarantine number of people COVID-19 positive in home quarantine, that day

total_positives total currently positives: hospitalized_with_symptoms + intensive_care_unit + home_quarantine

change_positives change in the number of positive cases: total_positives that day - total_positives preceding day

new_positives number of new positive cases: total_cases that day - total_cases preceding day

recovered_released recovered - released from hospital

people_tested number of people tested

p_house number of people per squared meter living in the same house

pop_tot total population

area_km2 household crowding index (number of components of household per square meter)

pop_km2 density of population per squared kilometer

female_65m percent of females age 65 years old or more

male_65m percent of males age 65 years old or more

chronic_ *type* percent of population with that chronic condistion

perc_cancer_*type*** percent of population with that type of cancer. Info regarding Trento and Bolzano were not present.

perc_bweight_*type*** percent of people underweight, normalweight, overweight or obese. This is percent calculated over the total population even if the mesure has been taken only people 18 of age or more. This is the reason why their total is not 100

first_aid number of peple using first aid in 3 months preceding the survey

medical_guard number of people using medical guard in 3 months preceding the survey

bed_acute inpatient hospital beds per 1000 people in acure care

bed_long inpatient hospital beds per 1000 people in long care

bed_rehab inpatient hospital beds per 1000 people in rehabilitation

total_bed inpatient hospital beds per 1000 people, total

netinc median net annual households income, in euros

pm2.5 emission of pm2.5 in tons per region, mean values 2000 to 2016

Source

[protezione civile](#), [ISTAT](#)

See Also

for details regarding the methodology of specific datasets check `it_bweight`, `it_cancer`, `it_chronic`, `it_dem`, `it_firstaid`, `it_fl`, `it_fl65`, `it_hospbed`, `it_house`, `it_pm2.5`

---

getit_covid	*get COVID-19 updated cases*

Description

extracts and translates time series form the git repository of the [protezione civile](#)

Usage

```
getit_covid()
```

Details

caveats and problems related the calculation by the Protezione Civile of some variables were rised by [GIMBE Foundation](#). Unfortunately the page is in Italian... *buona lettura!*

Value

a dataframe with following 19 variables:

date in ISO 8601 format

state state

region_code region abbreviation

region full name of region

lat lat

long long

cmr case-mortality rate for that region and that date (deaths/total_cases * 100)

total_cases number of COVID-19 positive cases detected

deaths number of deaths

tests number of tests performed

hospitalized_with_symptoms number of people hospitalized with symptoms, that day

intensive_care_unit number of people in intensive care units, that day

total_hospitalized hospitalized_with_symptoms + intensive_care_unit

home_quarantine number of people COVID-19 positive in home quarantine, that day

total_positives total currently positives: hospitalized_with_symptoms + intensive_care_unit + home_quarantine

change_positives change in the number of positive cases: total_positives that day - total_positives preceding day

new_positives number of new positive cases: total_cases that day - total_cases preceding day

recovered_released recovered - released from hospital

people_tested number of people tested

---

getus_all   *get COVID-19 and other metrics*

Description

extracts/joins COVID-19 info with other demographic metrics at the county level and tests and hospitalizations from the COVID Tracking Project

Usage

```
getus_all(repo = "jhu")
```

Arguments

repo   repository of COVID-19 data, one of c("nyt", "jhu")

Details

For details regarding some specific datasets refer to: Subject Definitions of the American Community Survey, Medicare and Medicaid Medical Services Technical Documentation, COVIDExposureIndices

Value

A dataframe. Data regarding the household composition, population sex, age, race, ancestry and poverty levels, were scraped from the 2018 American Community Survey (ACS). Poverty was defined at the family level and not the household level in the ACS. Medical conditions, tobacco use, cancer and, data relative to the number of medical and emergency visits was obtained from the 2017 Mapping Medicare Disparities. From relative documentation listed in the source: "Prevalence rates are calculated by searching for certain diagnosis codes in **Medicare beneficiaries' claims**. The admission rate by admission type is the frequency of a specific type of inpatient admission per 1,000 inpatient admissions in a year." The number of hospital beds per county was calculated from data of the 2020 Homeland Infrastructure Foundation. Emissions of particulate 2.5 in micro g/m3 (2000-2016) and seasonal temperature (2000-2016) were reported by Atmoshpheric Composition Analysis Group and aggregate by Ista Zahn and Ben Sabath.

The following list of variables is divided in sections *COVID-19 VARS, HOUSEHOLDS MARITAL STATUS AND COMPOSITION, HOUSEHOLDS EDUCATION DEGREES, ANCESTRY, COMPUTER OR INTERNET, POPULATION AND SEX, POPULATION AND RACE, MEDICAL AND VACCINES, POVERTY, ACTIVITY, POLLUTIONS AND TEMPERATURE, STATE LEVEL TESTS AND HOSPITALIZATIONS.*

Note that data on test and hospitalizations are at the state level!

date formatted `ISO 8601`

county county

state state

fips federal information processing standard, a unique numeric identifier of a county. Unknown fips are coded as 00000. **Note that in the nyt repository a lot of deaths and confirmed cases are no categorized at the county level**

urban urban or rural (see cenus)

COVID-19 VARS —————

cases confirmed COVID-19 cases (cumulates with date)

deaths number of deaths attributed to COVID-19

cmr case-mortality rate (deaths / confirmed cases * 100)

HOUSEHOLDS MARITAL STATUS AND COMPOSITION —————

total_households total number of households (occupy a housing unit) in that county. People not living in households are classified as living in group quarters

perc_families percent of households that are defined as family. A family consists of a householder and one or more other people living in the same household who are related to the householder by birth, marriage, or adoption

perc_families_18childereen percent families with at least a child <= 18 years old

perc_married_couples percent families consisting of married couples

perc_married_couples_u18ychildreen percent families consisting of married couples at least a child 18 years old or less

perc_families_only_male percent of family with a male householder and no spouse of householder present

perc_families_only_male_18ychildreen percent families with male householder and no spouse of householder present and with at least a child under 18 years old

perc_families_only_female percent families with female householder

perc_families_only_female_18ychildreen percent families with female householder with at least a child under 18 years old

perc_non_families percent of non-family households. A family consists of a householder and one or more other people living in the same household who are related to the householder by birth, marriage, or adoption

perc_non_families_alone percent of non-family households with householder living alone

perc_non_families_alone65y percent of non-family households with householder living alone, age 65 years and older

perc_non_families_u18y percent of non-family households with one or more people under 18 years

perc_non_families_65y percent of non-family households with with one or more people 65 years and older

total_relationship_in_households total number of people that responded to the question regarding relationship

perc_relationship_spouse households including person married to and living with the householder

perc_relationship_child households including a son or daughter by birth, a stepchild, or adopted child of the householder

perc_relationship_other_relatives percent households including other relatives

perc_relationship_other_nonrelatives percent households including foster children, not related to the householder by birth, marriage, or adoption

perc_relationship_other_unmaried_part percent households containing members other than a "married-couple household" that includes a householder and an "unmarried partner."

total_marital_status_male total males that responded to the marital status question

perc_marital_status_male_nevermaried percent males never married

perc_marital_status_male_maried percent males married

perc_marital_status_male_separated percent of males separate

perc_marital_status_male_ percent of males widowed

perc_marital_status_male_divorced percent of males divorced

perc_marital_status_female_nevermaried perent of female never married

perc_marital_status_female_maried perent of female married

perc_marital_status_female_separated perent of female separated

perc_marital_status_female_widowed perent of female widowed

perc_marital_status_female_divorced perent of female divorced

HOUSEHOLDS EDUCATION DEGREES ——————

total_enrolled_school total people enrolled in school

perc_enrolled_preschool percent in preschool

perc_enrolled_kindergarden percent in kindergarden

perc_enrolled_elementary percent in elementary

perc_enrolled_highschool percent in highschool

perc_enrolled_college percent college

total_edu total number of people 25 years old or more that responded to the question regarding education (?)

perc_edu_9grade percent that went up to 9th grade

perc_edu_nodiploma percent that went up to 9th grade

perc_edu_highschool percent with highschool

perc_edu_somecollege percent with some college

perc_edu_associate percent that obtaibed an associate degree

perc_edu_bachelor percent with bachelor

perc_edu_gradprofess percent that graduated or with a professional degree

perc_edu_bachelor_higher percent with bachelor or higher

ANCESTRY ——————

total_ancestry total population

perc_ *anchestry* percent estimated specific ancestry (27)

COMPUTER OR INTERNET ——————

total_withcomputer total that own or use a computer

perc_withcomputer percent that owns or use computer

perc_withinternet percet that has acces to internet

POPULATION AND SEX ——————

total_pop total population

total_male total male

total_female total female

total_ *age_sex* total population by age bin and sex

perc_ *age_sex* percent population by age bin and sex

median_age median age in years

median_age_male median age in years of males

median_age_female median age in years of females

sex_ratio males per 100 females

age_dependency the age dependency ratio is derived by dividing the combined under 18 and 65-more year populations by the 18-to-64 population and multiplying the result by 100

old_age_dependency the old-age dependency ratio is derived by dividing the population 65 years and over by the 18-to-64 population and multiplying by 100

child_dependency the child dependency ratio is calculated dividing the population under 18 years by the 18-to-64 population, and multiplying the result by 100

POPULATION AND RACE ——————

total_white total white

total_black total black or afroamerican

total_native total native

total_asian total asian

total_pacific_islander total hawaian and pacific islander

total_other_race other races

total_two_more_races two or more races

total_latino total hispanic or latino

MEDICAL AND VACCINES ——————

perc_imm65 percentage of fee-for-service (FFS) Medicare enrollees that had an annual flu vaccination.

total_beds total number of hospital beds

perc_at_least_1_chronic percent medicare with at least a chronic condition

perc_acute_myocardial_infarction percent medicare with acute myocardial infarction

perc_alzheimer_dementia percent medicare with Alzheimer's Disease, Related Disorders, or Senile Dementia

perc_asthma percent medicare with asthma

perc_atrial_fibrillation percent medicare with Atrial Fibrillation

perc_cancer_breast percent medicare with Breast Cancer

perc_cancer_colorectal percent medicare with Colorectal Cancer

perc_cancer_lung percent medicare withLung Cancer

perc_cancer_all percent medicare with Cancer (breast, colorectal, lung, and/or prostate)

perc_ch_obstructive_pulm percent medicare with Chronic Obstructive Pulmonary Disease (COPD)

perc_chronic_kidney_disease percent medicare with Chronic Kidney Disease

perc_depression percent medicare with Depression

perc_diabetes percent medicare beneficiaries with Diabetes

perc_hypertension percent medicare beneficiaries with Hypertension

perc_ischemic_heart_disease percent medicare beneficiaries with Ischemic Heart Disease

perc_obesity percent medicare beneficiaries with Obesity

perc_osteoporosis percent medicare beneficiaries with Osteoporosis

perc_rheumatoid_arthritis percent medicare beneficiaries with Rheumatoid Arthritis

perc_schizophrenia_psychotic_dis percent medicare beneficiaries with Schizophrenia/Other Psychotic Disorders

perc_stroke percent medicare beneficiaries with Stroke Transient Ischemic Attack

perc_tobacco_use

urgent_admission urgent care admission rate

annual_wellness_visit number of annual wellness visits

elective_admission elective admission rate

emergent_admission ER admission rate

other_admission other admission rates

perc_pneumococcal_vaccine percent pneumococcal vaccine

POVERTY ——————

total_poverty_determination number of people evaluated for poverty

total_poverty total people that met the definition of below poverty level

perc_poverty percent people that met the definition of below poverty level

total_determination *age* total people evaluated in that age bin

total_poverty *age* total people that met the definition of below poverty level in that age bin

perc_poverty *age* percent people that met the definition of below poverty level in that age bin

total_determination *sex* total people evaluated for poverty in that sex

total_poverty *sex* total people that met the definition of below poverty level in that sex

perc_poverty *sex* perc people that met the definition of below poverty level in that sex

total_determination *race* total people evaluated for poverty in that race

total_poverty *race* total people that met the definition of below poverty level in that race

perc_poverty *race* perc people that met the definition of below poverty level in that race

median_income) median household income

ACTIVITY ——————

dex_a activity index

POLLUTIONS AND TEMPERATURE ——————

pm2.5 pm2.5 in micro g per m3

summer_temp mean temperature in summer, %

summer_hum mean humity in summer, mixing ratio

winter_temp mean temperature in winter, K

winter_hum mean humity in winter, %

STATE LEVEL TESTS AND HOSPITALIZATIONS ——————

positive total cumulative positive test results

negative total cumulative negative test results

pending tests that have been submitted to a lab but no results have been reported yet

hospitalized_curr current people hospitalized

hospitalized_cumul cumulative people hospitalized

icu_curr current people in ICU

icu_cumul cumulative people in ICU

ventilator_curr current people using ventilator

ventilator_cumul cumulativepeople using ventilator

recovered total people recoverd

death_increase increase in deaths from day before

hospitalized_increase increase in hospitalization from day before

negative_increase increase in negative results from day before

positive_increase increase in positive results from day before

total_test_increase increase from the day before

Source

Center for Medicare and Medicaid Services, Homeland Infrastructure Foundation-Level Data, American Community Survey tables, Mapping Medicare Disparities, COVIDExposureIndices, Atmoshpheric Composition Analysis Group

See Also

getus_covid,getus_tests, getus_dex,

---

getus_covid *get COVID-19*

Description

extracts time series from the git repository of the NYT or of the JHU

Usage

```
getus_covid(repo = "jhu")
```

Arguments

repo   repository of COVID-19 data, one of c("nyt", "jhu")

Details

cases represents the number of confirmed cases, while cmr the case-mortality rate (deaths / confirmed_case * 100). A good description of pitfalls and caveats associated with the use of case-mortality rate metric has been made on Our World in Data.

Value

a dataframe

Examples

```
dat <- getus_covid(repo = "jhu")
```

---

getus_dex   *get device-exposure indexes (DEX)*

Description

extracts DEX from the git repository of the COVID-19 exposure indeces

Usage

```
getus_dex()
```

Details

main metric is dex_a. In the repository, they explains: *In the context of the ongoing pandemic, the DEX measure may be biased if devices sheltering-in-place are not in the sample due to lack of movement. We report adjusted DEX values to help address this selection bias. DEX-adjusted is computed assuming that the number of devices has not declined since the early-2020 peak and that unobserved devices did not visit any commercial venues.* Datataset is updated by the mantainers every weekend.

Value

a dataframe

---

getus_tests   *get number of tests and hospitalizations*

Description

extracts information on tests, hospitalizations and other metrics at the **State level** maintained by the the COVID Tracking Project

Usage

```
getus_tests()
```

Details

a description of the variable can be found in the the COVID Tracking Project and when possible was used verbatim for the description below

date in ISO 8601 format

state state name

abbr abbreviation

positive total cumulative positive test results

negative total cumulative negative test results

pending tests that have been submitted to a lab but no results have been reported yet

hospitalized_curr current people hospitalized

hospitalized_cumul cumulative people hospitalized

icu_curr current people in ICU

icu_cumul cumulative people in ICU

ventilator_curr current people using ventilator

ventilator_cumul cumulative people using ventilator

recovered total people recoverd

hash unique ID changed every time the data updates

date_checked date of the time we last visited their website

death number of deaths

death_increase increase in deaths from day before

hospitalized_increase increase in hospitalization from day before

negative_increase increase in negative results from day before

positive_increase increase in positive results from day before

total_test_increase increase from the day before

Other details regarding the score system used are reported in the maintainers webpage.

Note for the use of some of some this variables by covidtracking authors:

States are currently reporting two fundamentally unlike statistics: current hospital/ICU admissions and cumulative hospitalizations/ICU admissions. Across the country, this reporting is also sparse. In short: it is impossible to assemble anything resembling the real statistics for hospitalizations, ICU admissions, or ventilator usage across the United States. As a result, we will no longer provide national-level summary hospitalizations, ICU admissions, or ventilator usage statistics on our site.

Value

a dataframe with 15 variables

`it_bweight`   *body-mass index*

Description

Body mass index in regions of Italy, in the general population. Data were collected in 2018 and indicate absolute number of people underweight, normalweight, overweight or obese.

Usage

```
data(it_bweight)
```

Format

An object of class tbl_df (inherits from tbl, data.frame) with 21 rows and 5 columns.

Details

[methodology](#)

Source

[ISTAT](#)

---

it_cancer   *cancer patients*

Description

Number of cancer patients in each region by type. Data were collected in 2016 and indicate absolute number of people diagnosed with cancer. Data for P.A. Trento and P.A. Bolzano are missing (but we have Trentino Alto Adige)

Usage

```
data(it_cancer)
```

Format

An object of class data.frame with 21 rows and 10 columns.

Value

a tibble

Source

[Istituto Superiore Sanita'](#)

`it_chronic`   *chronic conditions*

Description

Number of people suffering of chronic conditions by region and type. Data were collected in 2018 and indicate absolute number of people.

Usage

```
data(it_chronic)
```

Format

An object of class `tbl_df` (inherits from `tbl`, `data.frame`) with 21 rows and 14 columns.

Details

[methodology]

Value

a tibble

Source

[ISTAT]

`it_dem`   *Percent of population by region, sex and age. Data were collected in*
2019 and indicate absolute number of people. Long format,

Description

Percent of population by region, sex and age. Data were collected in 2019 and indicate absolute number of people. Long format,

Usage

```
data(it_dem)
```

Format

An object of class `tbl_df` (inherits from `tbl`, `data.frame`) with 4242 rows and 9 columns.

Details

methodology The Istituto Superiore Sanita' provides biweekly info regarding the mortality in different age groups fro patients positive for COVID-19 in this link

Value

a tibble

Source

ISTAT

---

it_firstaid   *first aid*

Description

Number of people using first aid or medical guard in 3 months preceding the survey. Collected in 2018

Usage

```
data(it_firstaid)
```

Format

An object of class tbl_df (inherits from tbl, data.frame) with 21 rows and 3 columns.

Details

methodology

Value

a tibble

Source

ISTAT

`it_fl`	*influenza vaccination coverage, general population, time series*

Description

Influenza vaccination coverage in Italy in the **general population** from 1999 to 2019. Data are percent of region population

Usage

```
data(it_fl)
```

Format

An object of class `data.frame` with 21 rows and 21 columns.

Source

[Ministero della Salute]

`it_fl65`	*influenza vaccination coverage 2019*

Description

Influenza vaccination coverage in Italy for 2018-2019 season for population age 65 or more from 1999 to 2019. Data are percent of region population

Usage

```
data(it_fl65)
```

Format

An object of class `data.frame` with 22 rows and 21 columns.

Value

a tibble with following columns:

region region

perc_imm65 percent of population age 65 or more that received influenza vaccination

perc percent of general population that received influenza vaccination

Source

[Ministero della Salute]

---

it_hospbed   *hospital beds*

Description

Inpatient hospital beds per 1000 people. Collected in 2017

Usage

    data(it_hospbed)

Format

An object of class tbl_df (inherits from tbl, data.frame) with 21 rows and 5 columns.

Details

methodology

Value

a tibble in wide format in which bed_acute, bed_long, bed_rehab, bed_tot refers to acute care, long term care, rehabilitation and total beds, respectivelly

Source

Ministero della Salute

---

it_house   *housing crowding*

Description

Household crowding index from 2014 to 2018 in each region

Usage

    data(it_house)

Format

An object of class tbl_df (inherits from tbl, data.frame) with 105 rows and 3 columns.

Details

methodology

Value

a tibble in which phouse is number of components of household per square meter

Source

ISTAT

---

it_netinc *Net income*

Description

Median net annual households income (including imputed rents, in euros). Collected in 2017

Usage

```
data(it_netinc)
```

Format

An object of class tbl_df (inherits from tbl, data.frame) with 21 rows and 2 columns.

Details

methodology

Value

a tibble

Source

ISTAT

`it_pm2.5`　　　　　　　　　*particulate 2.5 italy*

Description

Emission of pm2.5 in tons per region from 1990 to 2017

Usage

```
data("it_pm2.5")
```

Format

An object of class `tbl_df` (inherits from `tbl`, `data.frame`) with 21 rows and 2 columns.

Details

methodology

Value

a tibble

Source

Istituto Superiore Per La protezione Ambientale

`it_regions`　　　　　　　　　*regions area*

Description

Area in square meters of each region. Used to calculate density per region. Scraped from old good wikipedia.

Usage

```
data(it_regions)
```

Format

An object of class `data.frame` with 21 rows and 2 columns.

Value

a tibble

---

it_smoking *smoking status*

Description

Number of people age 14 years and over that self-refer as smoker, non smoker, or past smoker by region and type. Data were collected in 2018 and are absolute number of people.

Usage

```
data(it_smoking)
```

Format

An object of class `tbl_df` (inherits from `tbl`, `data.frame`) with 21 rows and 4 columns.

Details

[methodology](#)

Value

a tibble

Source

[ISTAT](#)

---

us_acm_househ *household composition*

Description

Several metrics regarding household composition from the American Community Survey of 2018

Usage

```
data(us_acm_househ)
```

Format

An object of class `tbl_df` (inherits from `tbl`, `data.frame`) with 3142 rows and 82 columns.

Details

[Subject Definitions](#)

Value

a tibble

Source

[American Community Survey tables](#)

---

us_dem   *age and sex*

Description

Sex and age composition of the county population from the American Community Survey of 2018

Usage

```
data(us_dem)
```

Format

An object of class tbl_df (inherits from tbl, data.frame) with 3220 rows and 120 columns.

Value

a tibble

Source

[American Community Survey tables](#)

---

us_fl65   *influenza vaccination 65 or older*

Description

Percentage of fee-for-service (FFS) Medicare enrollees that had an annual flu vaccination. Collected in 2019.

Usage

```
data(us_fl65)
```

Format

An object of class tbl_df (inherits from tbl, data.frame) with 3220 rows and 4 columns.

Details

[Center for Medicare and Medicaid Services](#) and NORC at the University of Chicago.

Value

tibble wotj `fl_65` indicating the percentage of fee-for-service (FFS) Medicare enrollees that had an annual flu vaccination

Source

[Data.CMS.gov](#)

---

us_hospbeds   *hospital beds*

Description

beds of each hospital by county (2019).

Usage

```
data(us_hospbeds)
```

Format

An object of class `grouped_df` (inherits from `tbl_df`, `tbl`, `data.frame`) with 2545 rows and 3 columns.

Value

a tibble

Source

[Homeland Infrastructure Foundation-Level Data](#)

---

us_mmd   *mapping medicare disparities*

Description

Prevalence of many medical and chronic conditions, 2019. From relative documentation listed below: "Prevalence rates are calculated by searching for certain diagnosis codes in Medicare beneficiaries' claims. The prevalence rate of a condition for a specific sub-population (e.g., all beneficiaries in a county) is the proportion of beneficiaries who are found to have the condition. The admission rate by admission type is the frequency of a specific type of inpatient admission per 1,000 inpatient admissions in a year."

Usage

```
data(us_mmd)
```

Format

An object of class data.frame with 3235 rows and 33 columns.

Details

Details regarding the use of the webtool can be found in the relative documentation. It includes prevalence of

- Alzheimer
- chronic kidney
- obesity,
- depression
- obstructive pulmonary
- disease
- arthritis
- diabetes
- osteoporosis
- asthma
- atrial
- fibrillation
- ischemic hearth,
- myocardial infarction
- hypertension
- several type of cancer
- emergency, medical admissions, annual visits
- pneumoccocal vaccine
- tabacco use

Value

a tibble

Source

[Mapping Medicare Disparities](#)

See Also

[getus_all](#) for more details regarding the variables

---

us_netinc   *us_netinc*

Description

Median Household income, 2018

Usage

```
data(us_netinc)
```

Format

An object of class `tbl_df` (inherits from `tbl`, `data.frame`) with 3220 rows and 4 columns.

Details

[Subject Definitions of the American Community Survey](#)

Value

a tibble

Source

[American Community Survey tables](#)

---

us_pm2.5   *particulate 2.5*

Description

Emission of pm2.5 in micro g/m3 per county from 2000 to 2016

Usage

```
data(us_pm2.5)
```

Format

An object of class tbl_df (inherits from tbl, data.frame) with 3176 rows and 2 columns.

Details

[Ista Zahn and Ben Sabath repo]

Value

a tibble

Source

[Atmoshpheric Composition Analysis Group, wxwk1993 processed data]

---

us_poverty   *poverty*

Description

Household living below the poverty level, divided by age and race and calculate as absolute value or percentage. American Community Survey of 2018

Usage

```
data(us_poverty)
```

Format

An object of class tbl_df (inherits from tbl, data.frame) with 3220 rows and 63 columns.

Details

[Subject Definitions of the American Community Survey]

Value

a tibble

Source

[American Community Survey tables](#)

---

us_race *race*

Description

Estimate population of each county by race. American Community Survey of 2018

Usage

```
data(us_race)
```

Format

An object of class tbl_df (inherits from tbl, data.frame) with 3220 rows and 11 columns.

Details

[Subject Definitions of the American Community Survey](#)

Value

a tibble

Source

[American Community Survey tables](#)

us_season	*seasonal temperature and humidity*

Description

Seasonal temperature and humidity

Usage

```
data(us_season)
```

Format

An object of class `tbl_df` (inherits from `tbl`, `data.frame`) with 3233 rows and 5 columns.

Details

[Ista Zahn and Ben Sabath repo](#)

Value

a tibble

Source

[Atmoshpheric Composition Analysis Group](#), [wxwk1993 processed data](#)

Index