

Package ‘CDCPLACES’

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Type Package

Title Access the 'CDC PLACES' API

Version 1.1.6

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Description Allows users to seamlessly query several 'CDC PLACES' APIs (<<https://data.cdc.gov/browse?q=PLACES%20&sortBy=relevance>>) by geography, state, measure, and release year. This package also contains a function to explore the available measures for each release year.

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URL <https://github.com/brendensm/CDCPLACES>,
<https://brendensm.github.io/CDCPLACES/>

Encoding UTF-8

RoxygenNote 7.3.1

Suggests testthat (>= 3.0.0)

Config/testthat/edition 3

Imports curl, dplyr, httr, httr2, yyjsonr, tidyr, tigris, sf, usa,
zctaCrosswalk

Depends R (>= 2.10)

NeedsCompilation no

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Repository CRAN

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get_dictionary *View the 'CDC PLACES' data dictionary*

Description

This function provides the user with a data frame that shows all of the available measures in the PLACES data set and for which release years the measures are included. #'

Usage

```
get_dictionary()
```

Value

a dataframe with the current PLACES data dictionary.

Examples

```
# First save the data
dictionary <- get_dictionary()
# Then view the data frame
# View(dictionary)
```

get_places *Obtain data from the CDC PLACES APIs.*

Description

Use this function to access CDC PLACES API data. Measures are sourced from the Behavioral Risk Factor Surveillance System and the American Community Survey ACS.

Usage

```
get_places(
  geography = "county",
  state = NULL,
  measure = NULL,
  county = NULL,
  release = "2023",
  geometry = FALSE
)
```

Arguments

| | |
|------------------------|---|
| <code>geography</code> | The level of desired geography. Currently supports 'county', 'census', and 'zcta'. |
| <code>state</code> | Specify the state of the desired data using the two letter abbreviation. Supports multiple states if desired. |
| <code>measure</code> | Specify the measures of the data pull. Supports multiple states if desired. For a full list of available measures, see the function 'get_dictionary'. |
| <code>county</code> | Specify the county of the desired data using the full name of the county, with a capital letter. |
| <code>release</code> | Specify the year of release for the PLACES data set. Currently supports years 2020-2023. |
| <code>geometry</code> | if FALSE (the default), return a regular data frame of PLACES data. If TRUE, uses the <code>tigris</code> package to return an sf data frame with simple feature geometry in the 'geometry' column. |

Value

A tibble that contains observations for each measure (age-adjusted and unadjusted prevalence for counties) and geographic level.

Examples

```
get_places(geography = "county", state = "MI", measure = "SLEEP", release = "2023")
get_places(geography = "county", state = c("MI", "OH"),
measure = c("SLEEP", "ACCESS2"), release = "2023")
```

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