Package: healthatlas (via r-universe)

October 24, 2026

Title Explore and Import 'Metopio' Health Atlas Data and Spatial Layers

Version 0.2.3

Description Allows for painless use of the 'Metopio' health atlas APIs <https://metopio.com/health-atlas> to explore and import data. 'Metopio' health atlases store open public health data. See what topics (or indicators) are available among specific populations, periods, and geographic layers. Download relevant data along with geographic boundaries or point datasets. Spatial datasets are returned as 'sf' objects.

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Encoding UTF-8

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Depends R (>= 4.1.0)

Imports curl, httr2, tibble, sf, chk

Suggests dplyr, ggplot2, knitr, purrr, rmarkdown, testthat (>= 3.0.0)

VignetteBuilder knitr

URL https://ryanzomorrodi.github.io/healthatlas/, https://github.com/ryanzomorrodi/healthatlas

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BugReports https://github.com/ryanzomorrodi/healthatlas/issues

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`ha_coverage` *List Topic Coverage*

Description

List all combinations of population, periods, and geographic layers available for a given topic. To search for individual topics use `ha_topics()`.

Usage

```
ha_coverage(topic_key, layer_key = NULL, keys_only = FALSE, progress = TRUE)
```

Arguments

`topic_key`	Unique ID specifying a topic.
`layer_key`	Character string or vector of Unique IDs for geographic layers.
`keys_only`	Return only keys?
`progress`	Display a progress bar?

Value

Topic coverage tibble.

Examples

```
ha_set("chicagohealthatlas.org")

ha_coverage("POP", progress = FALSE)
```

ha_data *Obtain Data*

Description

Obtain data for one or more topics within specified populations for specified time periods and geographic scale.

All combinations of topic, population, period, and layer will be returned. Warnings will be generated for any invalid combinations.

Usage

```
ha_data(
  topic_key,
  population_key,
  period_key,
  layer_key,
  geometry = FALSE,
  progress = TRUE
)
```

Arguments

topic_key	Character string or vector of Unique IDs(s) specifying topic(s).
population_key	Character string or vector of Unique ID(s) for population stratification(s).
period_key	Character string or vector of Unique ID(s) for time period(s).
layer_key	Character string specifying an Unique ID for a geographic layer.
geometry	Attach geometry to output?
progress	Display a progress bar?

Value

Data tibble containing value and standard error for each topic measure.

Examples

```
ha_set("chicagohealthatlas.org")

ha_data("POP", "H", "2014-2018", "zip")
```

ha_get *Get Health Atlas Portal*

Description

Get health atlas currently connected to.

Usage

```
ha_get()
```

Value

Current value of ha_URL environment variable.

Examples

```
ha_set("chicagohealthatlas.org")

ha_get()
```

ha_layer *Obtain Geographic Layer*

Description

Import geographic layer as a `sf` object.

Usage

```
ha_layer(layer_key, progress = TRUE)
```

Arguments

`layer_key`	Unique ID for a geographic layer.
`progress`	Display a progress bar?

Value

`sf` geographic layer.

Examples

```
ha_set("chicagohealthatlas.org")

ha_layer("zip", progress = FALSE)
```

ha_layers *List Geographic Layers*

Description

List all geographic layers available.

Usage

```
ha_layers()
```

Value

Layer information tibble.

Examples

```
ha_set("chicagohealthatlas.org")

ha_layers()
```

ha_point_layer *Obtain Point Layer*

Description

Import point layer as a `sf` object.

Usage

```
ha_point_layer(point_layer_uuid)
```

Arguments

`point_layer_uuid`
: Unique ID for a point layer.

Value

`sf` point layer.

Examples

```
ha_set("chicagohealthatlas.org")

ha_point_layer("67f58fa0-0dfa-4ee9-8600-c1ab4a093dc6")
```

ha_point_layers *List Point Layers*

Description

List all point layers available.

Usage

```
ha_point_layers()
```

Value

Point layer information tibble.

Examples

```
ha_set("chicagohealthatlas.org")

ha_point_layers()
```

ha_set *Set Health Atlas Portal*

Description

Set health atlas to connect to.

Usage

```
ha_set(ha_URL)
```

Arguments

ha_URL	URL of the health atlas home page.

Value

No return value. Sets ha_URL environment variable.

Examples

```
ha_set("chicagohealthatlas.org")
```

ha_subcategories *List Topic Subcategories*

Description

List the topic subcategories, which can be used to filter topics within `ha_topics()`.

Usage

```
ha_subcategories()
```

Value

Topic subcategory tibble.

Examples

```
ha_set("chicagohealthatlas.org")

ha_subcategories()
```

ha_topics *List Topics*

Description

List all topics available with descriptions and units.

Usage

```
ha_topics(subcategory_key = NULL, progress = TRUE)
```

Arguments

`subcategory_key`	Unique id for a topic subcategory
`progress`	Display a progress bar?

Value

Topics information tibble.

Examples

```
ha_set("chicagohealthatlas.org")

ha_topics("education", progress = FALSE)
```

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