

Package ‘covid19swiss’

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Type Package

Title COVID-19 Cases in Switzerland and Principality of Liechtenstein

Version 0.1.0

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Description Provides a daily summary of the Coronavirus (COVID-19) cases in Switzerland cantons and Principality of Liechtenstein. Data source: Specialist Unit for Open Government Data Canton of Zurich <<https://www.zh.ch/de/politik-staat/opendata.html>>.

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Encoding UTF-8

LazyData true

Depends R (>= 3.0.2)

Imports devtools,

Suggests dplyr (>= 0.8.5), tidyr (>= 1.0.0), knitr, rmarkdown, testthat

URL <https://github.com/Covid19R/covid19swiss>

BugReports <https://github.com/Covid19R/covid19swiss/issues>

RoxygenNote 7.1.0

VignetteBuilder knitr

NeedsCompilation no

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Repository CRAN

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covid19swiss

*The 2019 Novel Coronavirus COVID-19 (2019-nCoV) Switzerland
Outbreak Dataset*

Description

daily summary of the Coronavirus (COVID-19) pandemic cases in Switzerland by Canton

Usage

covid19swiss

Format

A data.frame object

Details

The dataset contains the daily summary of the Coronavirus pandemic cases in Switzerland and Principality of Liechtenstein. The data includes the following fields:

date - the timestamp of the case, a Date object

location - the Cantons of Switzerland and the Principality of Liechtenstein (FL) abbreviation code

location_type - description of the location, either Canton of Switzerland or the Principality of Liechtenstein

location_code - a canton index code for merging geometry data from the rnatuarearth package, available only for Switzerland cantons

location_code_type - the name of code in the rnatuarearth package for Switzerland map

data_type - the type of case

value - the number of cases corresponding to the date and data_type fields

Where the available data_type field includes the following cases:

total_tested - number of tests performed as of the date

total_confirmed - number of positive cases as of the date

new_hosp - new hospitalizations with respect to the previously reported date

current_hosp - number of hospitalized patients as of the current date

current_icu - number of hospitalized patients in ICUs as of the current date

current_vent - number of hospitalized patients requiring ventilation as of the current date

total_recovered - total number of patients recovered as of the current date

total_death - total number of death as of the current date

Source

Specialist Unit for Open Government Data Canton of Zurich [website](#)

Examples

```
data(covid19swiss)
```

```
head(covid19swiss)
```

<code>get_info_covid19swiss</code>	<i>Get information about the datasets provided by covid19swiss</i>
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Description

Returns information about the datasets in this package for covid19R harvesting

Usage

```
get_info_covid19swiss()
```

Value

a data.frame of information about the datasets in this package

Examples

```
get_info_covid19swiss()
```

<code>refresh_covid19swiss</code>	<i>Refresh the 2019 Novel Coronavirus COVID-19 (2019-nCoV) Dataset in the Covid19R Project Format</i>
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Description

aily summary of the Coronavirus (COVID-19) pandemic cases in Switzerland by Canton

Usage

```
refresh_covid19swiss()
```

Value

A data.frame object

Source

Specialist Unit for Open Government Data Canton of Zurich [website](#)

Examples

```
# update the data  
covid19_swiss <- refresh_covid19swiss()
```

update_swiss_data	<i>Update the Package Datasets</i>
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Description

Checks if new data is available on the package dev version (Github). In case new data is available the function will enable the user to update the datasets

Usage

```
update_swiss_data()
```

Examples

```
update_swiss_data()
```

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