

# Package ‘covid19swiss’

October 12, 2022

**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>>.

**License** MIT + file LICENSE

**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

**Date/Publication** 2020-09-18 12:00:14 UTC

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covid19swiss	<i>The 2019 Novel Coronavirus COVID-19 (2019-nCoV) Switzerland Outbreak Dataset</i>
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**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 rnaturalearth package, available only for Switzerland cantons

location\_code\_type - the name of code in the rnaturalearth 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)
```

---

`get_info_covid19swiss` *Get information about the datasets provided by covid19swiss*

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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()
```

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`refresh_covid19swiss` *Refresh the 2019 Novel Coronavirus COVID-19 (2019-nCoV) Dataset in the Covid19R Project Format*

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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()
```

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update\_swiss\_data      *Update the Package Datasets*

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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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