

# Package ‘coronavirus’

May 8, 2026

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

**Version** 0.4.1

**Maintainer** Rami Krispin <rami.krispin@gmail.com>

**Description** Provides a daily summary of the Coronavirus (COVID-19) cases by state/province. Data source: Johns Hopkins University Center for Systems Science and Engineering (JHU CCSE) Coronavirus <<https://systems.jhu.edu/research/public-health/ncov/>>.

**License** MIT + file LICENSE

**Encoding** UTF-8

**LazyData** true

**Depends** R (>= 3.0.2)

**Suggests** DT, dplyr, knitr, plotly, readr, rmarkdown, remotes, testthat (>= 2.1.0)

**Imports** devtools(>= 2.2.2)

**URL** <https://github.com/RamiKrispin/coronavirus>

**BugReports** <https://github.com/RamiKrispin/coronavirus/issues>

**RoxygenNote** 7.1.2

**VignetteBuilder** knitr

**NeedsCompilation** no

**Author** Rami Krispin [aut, cre],  
Jarrett Byrnes [aut] (ORCID: <<https://orcid.org/0000-0002-9791-9472>>)

**Repository** CRAN

**Date/Publication** 2023-03-19 08:50:13 UTC

## Contents

coronavirus . . . . .	2
covid19_vaccine . . . . .	3
get_info_coronavirus . . . . .	4
refresh_coronavirus_jhu . . . . .	5
update_dataset . . . . .	6

**Index****7**

coronavirus

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

Daily summary of the Coronavirus (COVID-19) cases by state/province.

**Usage**

coronavirus

**Format**

A data frame with 7 variables.

**date** Date in YYYY-MM-DD format.

**province** Name of province/state, for countries where data is provided split across multiple provinces/states.

**country** Name of country/region.

**lat** Latitude of center of geographic region, defined as either country or, if available, province.

**long** Longitude of center of geographic region, defined as either country or, if available, province.

**type** An indicator for the type of cases (confirmed, death, recovered).

**cases** Number of cases on given date.

**uid** Country code

**iso2** Officially assigned country code identifiers with two-letter

**iso3** Officially assigned country code identifiers with three-letter

**code3** UN country code

**combined\_key** Country and province (if applicable)

**population** Country or province population

**continent\_name** Continent name

**continent\_code** Continent code

**Details**

The dataset contains the daily summary of Coronavirus cases (confirmed, death, and recovered), by state/province.

**Source**

Johns Hopkins University Center for Systems Science and Engineering (JHU CCSE) Coronavirus [website](#).

### Examples

```

data(coronavirus)

require(dplyr)

# Get top confirmed cases by state
coronavirus %>%
  filter(type == "confirmed") %>%
  group_by(country) %>%
  summarise(total = sum(cases)) %>%
  arrange(-total) %>%
  head(20)

# Get the number of recovered cases in China by province
coronavirus %>%
  filter(type == "recovered", country == "China") %>%
  group_by(province) %>%
  summarise(total = sum(cases)) %>%
  arrange(-total)

```

---

covid19\_vaccine

*The COVID-19 Worldwide Vaccine Dataset*

---

### Description

Daily summary of the COVID-19 vaccination by country/province.

### Usage

```
covid19_vaccine
```

### Format

A data frame with 8 variables.

**date** Data collection date in YYYY-MM-DD format

**country\_region** Country or region name

**continent\_name** Continent name

**continent\_code** Continent code

**combined\_key** Country and province (if applicable)

**doses\_admin** Cumulative number of doses administered. When a vaccine requires multiple doses, each one is counted independently

**people\_at\_least\_one\_dose** Cumulative number of people who received at least one vaccine dose. When the person receives a prescribed second dose, it is not counted twice

**population** Country or province population

**uid** Country code

**iso2** Officially assigned country code identifiers with two-letter

**iso3** Officially assigned country code identifiers with three-letter

**code3** UN country code

**fips** Federal Information Processing Standards code that uniquely identifies counties within the USA

**lat** Latitude

**long** Longitude

### Details

The dataset provides the daily cumulative number of people who received vaccine (or at least one vaccine dose) by country and province (when applicable)

### Source

- Vaccine data - Johns Hopkins University Centers for Civic Impact (JHU CCSE) COVID-19 [repository](#).
- Country code (uid, iso2, iso3, etc.) are sourced from this [repository](#), see [section 4](#) for full data resources.
- Continent code mapping is sourced from [DATA HUB](#)

### Examples

```
data(covid19_vaccine)
```

```
head(covid19_vaccine)
```

---

get_info_coronavirus	<i>Get information about the datasets provided by the coronavirus package</i>
----------------------	---

---

### Description

Returns information about the datasets in this package for covid19R harvesting

### Usage

```
get_info_coronavirus()
```

### Value

a tibble of information about the datasets in this package

## Examples

```
## Not run:  
  
# get the dataset info from this package  
get_info_coronavirus()  
  
## End(Not run)
```

---

refresh\_coronavirus\_jhu

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

---

## Description

Daily summary of the Coronavirus (COVID-19) cases by state/province.

## Usage

```
refresh_coronavirus_jhu()
```

## Value

A tibble object \* date - The date in YYYY-MM-DD form \* location - The name of the location as provided by the data source. \* location\_type - The type of location using the covid19R controlled vocabulary. \* location\_code - A standardized location code using a national or international standard. Drawn from [iso-3166-2.js](#)'s version \* location\_code\_type The type of standardized location code being used according to the covid19R controlled vocabulary. Here we use 'iso\_3166\_2' \* data\_type - the type of data in that given row using the covid19R controlled vocabulary. Includes cases\_new, deaths\_new, recovered\_new. \* value - number of cases of each data type

A data.frame object

## Source

coronavirus - Johns Hopkins University Center for Systems Science and Engineering (JHU CCSE)  
Coronavirus [website](#)

## Examples

```
## Not run:  
# update the data  
jhu_covid19_dat <- refresh_coronavirus_jhu()  
  
## End(Not run)
```

---

update_dataset	<i>Update the coronavirus Dataset</i>
----------------	---------------------------------------

---

**Description**

Update the package datasets on the global environment with the most recent data on the Dev version

**Usage**

```
update_dataset(silence = FALSE)
```

**Arguments**

`silence` A boolean, if set to TRUE, will automatically install updates without prompt question, by default set to FALSE

**Details**

As the CRAN version is being updated every one-two months, the dev version of the package is being updated on a daily bases. This function enables to refresh the package dataset to the most up-to-date data. Changes will be available on the global environment

**Value**

A data.frame object

**Source**

coronavirus - Johns Hopkins University Center for Systems Science and Engineering (JHU CCSE)  
Coronavirus [website](#)

# Index

- \* **COVID19**

- coronavirus, [2](#)

- covid19\_vaccine, [3](#)

- \* **coronavirus**

- coronavirus, [2](#)

- covid19\_vaccine, [3](#)

- \* **datasets**

- coronavirus, [2](#)

- covid19\_vaccine, [3](#)

- \* **vaccine**

- covid19\_vaccine, [3](#)

coronavirus, [2](#)

covid19\_vaccine, [3](#)

get\_info\_coronavirus, [4](#)

refresh\_coronavirus\_jhu, [5](#)

update\_dataset, [6](#)