

# Package ‘coronavirus’

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

**Version** 0.3.0

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**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, 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** 7.1.0

**VignetteBuilder** knitr

**NeedsCompilation** no

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**Repository** CRAN

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coronavirus

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

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### 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.

### 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)
```

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get\_info\_coronavirus *Get information about the datasets provided by the coronavirus package*

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### 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)
```

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update_dataset	<i>Update the coronavirus Dataset</i>
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**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](#)

**Examples**

```
## Not run:  
  
# update with a question prompt  
update_dataset(silence = FALSE)  
  
# update without a question prompt  
update_dataset(silence = TRUE)  
  
## End(Not run)
```

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