

# Package ‘COVID19’

April 9, 2024

**Type** Package

**Title** COVID-19 Data Hub

**Version** 3.0.0

**Description** Unified datasets for a better understanding of COVID-19.

**License** GPL-3

**URL** <https://covid19datahub.io>

**BugReports** <https://github.com/covid19datahub/COVID19/issues>

**Encoding** UTF-8

**LazyData** true

**Depends** R (>= 3.5.0), utils, dplyr (>= 1.0.0), tidyr (>= 1.0.0)

**Imports** remotes, curl, digest, readxl, readr, httr, xml2, jsonlite,  
rvest, data.table, R.utils, MMWRweek

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**RoxygenNote** 7.2.1

**Suggests** knitr, rmarkdown

**VignetteBuilder** knitr

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**RemoteUsername** covid19datahub

**RemoteRef** HEAD

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**GithubRepo** COVID19

**GithubUsername** covid19datahub

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**NeedsCompilation** no

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ABW

*Aruba*

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## Description

Aruba

## Usage

ABW(level)

## Data Sources

### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_ABW.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_ABW.R)

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AFG

*Afghanistan*

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**Description**

Afghanistan

**Usage**

AFG (level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018):** population.
- **Johns Hopkins Center for Systems Science and Engineering:** confirmed cases, deaths, recovered.
- **Our World in Data:** tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Level 2:**

- **Ministry of Public Health Afghanistan (2020):** population.
- **Afghanistan Ministry of Health:** confirmed cases, deaths, recovered, tests.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_AFG.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_AFG.R)

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AGO

*Angola*

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**Description**

Angola

**Usage**

AGO (level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018):** population.
- **Johns Hopkins Center for Systems Science and Engineering:** confirmed cases, deaths, recovered.
- **Our World in Data:** tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_AGO.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_AGO.R)

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AIA

*Anguilla***Description**

Anguilla

**Usage**

AIA (level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018):** population.
- **Johns Hopkins Center for Systems Science and Engineering:** confirmed cases, deaths, recovered.
- **Our World in Data:** tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_AIA.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_AIA.R)

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ALB

*Albania***Description**

Albania

**Usage**

ALB (level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018):** population.
- **Johns Hopkins Center for Systems Science and Engineering:** confirmed cases, deaths, recovered.
- **Our World in Data:** tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_ALB.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_ALB.R)



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AND

*Andorra*

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### Description

Andorra

### Usage

AND (level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_AND.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_AND.R)

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ARE

*United Arab Emirates*

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### Description

United Arab Emirates

### Usage

ARE (level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_ARE.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_ARE.R)

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ARG

*Argentina*

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### Description

Argentina

### Usage

ARG(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

#### Level 2:

- [Statoids \(2010\)](#): population.
- [Argentine Ministry of Health](#): confirmed cases, deaths, tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated.

#### Level 3:

- [Statoids \(2010\)](#), [Wikipedia \(2010\)](#): population.
- [Argentine Ministry of Health](#): confirmed cases, deaths, tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_ARG.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_ARG.R)

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ARM

*Armenia*

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### Description

Armenia

### Usage

ARM(level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_ARM.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_ARM.R)

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ASM

*American Samoa*

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**Description**

American Samoa

**Usage**

ASM(level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018)**: population.
- **The New York Times**: confirmed cases, deaths.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_ASM.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_ASM.R)

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ATG

*Antigua and Barbuda*

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**Description**

Antigua and Barbuda

**Usage**

ATG(level)

## Data Sources

### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

## Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_ATG.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_ATG.R)

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AUS	<i>Australia</i>
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## Description

Australia

## Usage

AUS (level)

## Data Sources

### Level 1:

- **World Bank Open Data (2018)**: population.
- **Matt Bolton**: confirmed cases, deaths, recovered, tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care, patients requiring ventilation.

### Level 2:

- **Australian Bureau of Statistics (2019)**: population.
- **Matt Bolton**: confirmed cases, deaths, recovered, tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care, patients requiring ventilation.

## Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_AUS.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_AUS.R)

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AUT

*Austria*

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**Description**

Austria

**Usage**

AUT(level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018):** population.
- **Federal Ministry of Social Affairs, Health, Care and Consumer Protection, Austria:** confirmed cases, deaths, recovered, tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Level 2:**

- **Federal Ministry of Social Affairs, Health, Care and Consumer Protection, Austria (2020):** population.
- **Federal Ministry of Social Affairs, Health, Care and Consumer Protection, Austria:** confirmed cases, deaths, recovered, tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Level 3:**

- **Federal Ministry of Social Affairs, Health, Care and Consumer Protection, Austria (2020):** population.
- **Federal Ministry of Social Affairs, Health, Care and Consumer Protection, Austria:** confirmed cases, deaths, recovered.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_AUT.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_AUT.R)

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AZE

*Azerbaijan*

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**Description**

Azerbaijan

**Usage**

AZE(level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_AZE.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_AZE.R)

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BDI

*Burundi*

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**Description**

Burundi

**Usage**

BDI (level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_BDI.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_BDI.R)

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BEL

*Belgium*

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**Description**

Belgium

**Usage**

BEL (level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018):** population.
- **Sciensano, the Belgian Institute for Health:** confirmed cases, deaths, tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care, patients requiring ventilation.
- **Johns Hopkins Center for Systems Science and Engineering:** recovered.

**Level 2:**

- **Statbel, Belgium in Figures (2019):** population.
- **Sciensano, the Belgian Institute for Health:** confirmed cases, deaths, tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care, patients requiring ventilation.

**Level 3:**

- **Johns Hopkins Center for Systems Science and Engineering (2021):** population.
- **Sciensano, the Belgian Institute for Health:** confirmed cases, tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care, patients requiring ventilation.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_BEL.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_BEL.R)

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BEN	<i>Benin</i>
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**Description**

Benin

**Usage**

BEN(level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018):** population.
- **Johns Hopkins Center for Systems Science and Engineering:** confirmed cases, deaths, recovered.
- **Our World in Data:** tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_BEN.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_BEN.R)

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BES

*Bonaire, Sint Eustatius and Saba*

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### Description

Bonaire, Sint Eustatius and Saba

### Usage

BES (level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_BES.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_BES.R)

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BFA

*Burkina Faso*

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### Description

Burkina Faso

### Usage

BFA (level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_BFA.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_BFA.R)



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BGD

*Bangladesh*

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### Description

Bangladesh

### Usage

BGD(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_BGD.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_BGD.R)

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BGR

*Bulgaria*

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### Description

Bulgaria

### Usage

BGR(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_BGR.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_BGR.R)

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BHR

*Bahrain*

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### Description

Bahrain

### Usage

BHR (level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_BHR.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_BHR.R)

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BHS

*Bahamas*

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### Description

Bahamas

### Usage

BHS (level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_BHS.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_BHS.R)

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BIH

*Bosnia and Herzegovina*

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### Description

Bosnia and Herzegovina

### Usage

BIH(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_BIH.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_BIH.R)

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BLR

*Belarus*

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### Description

Belarus

### Usage

BLR(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_BLR.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_BLR.R)

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BLZ

*Belize*

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### Description

Belize

### Usage

BLZ (level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_BLZ.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_BLZ.R)

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BMU

*Bermuda*

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### Description

Bermuda

### Usage

BMU (level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_BMU.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_BMU.R)

BOL

*Bolivia***Description**

Bolivia

**Usage**

BOL(level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_BOL.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_BOL.R)

BRA

*Brazil***Description**

Brazil

**Usage**

BRA(level, ...)

**Data Sources****Level 1:**

- **World Bank Open Data (2018)**: population.
- **Wesley Cota**: confirmed cases, deaths, recovered, tests, total vaccine doses administered.

**Level 2:**

- **Instituto Brasileiro de Geografia e Estatística - IBGE (2020)**: population.
- **Wesley Cota**: confirmed cases, deaths, recovered, tests, total vaccine doses administered.

**Level 3:**

- **Wesley Cota (2020)**: population.
- **Wesley Cota**: confirmed cases, deaths.
- **Wesley Cota**: total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_BRA.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_BRA.R)

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BRB

*Barbados***Description**

Barbados

**Usage**

BRB(level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018):** population.
- **Johns Hopkins Center for Systems Science and Engineering:** confirmed cases, deaths, recovered.
- **Our World in Data:** tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_BRB.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_BRB.R)

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BRN

*Brunei***Description**

Brunei

**Usage**

BRN(level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018):** population.
- **Johns Hopkins Center for Systems Science and Engineering:** confirmed cases, deaths, recovered.
- **Our World in Data:** tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_BRN.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_BRN.R)

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BTN

*Bhutan*

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### Description

Bhutan

### Usage

BTN(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_BTN.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_BTN.R)

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BWA

*Botswana*

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### Description

Botswana

### Usage

BWA(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_BWA.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_BWA.R)

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CAC

*Cruise Ship Costa Atlantica*

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### Description

Cruise Ship Costa Atlantica

### Usage

CAC(level)

### Data Sources

#### Level 1:

- **Su Wei**: confirmed cases, deaths, recovered, tests, hospitalizations.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_CAC.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_CAC.R)

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CAF

*Central African Republic*

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### Description

Central African Republic

### Usage

CAF(level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_CAF.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_CAF.R)



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CAN

*Canada*

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### Description

Canada

### Usage

CAN(level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Public Health Agency of Canada**: confirmed cases, deaths, tests.
- **Our World in Data**: total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

#### Level 2:

- **Canada's National Statistical Agency (2020)**: population.
- **Public Health Agency of Canada**: confirmed cases, deaths, tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_CAN.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_CAN.R)

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CHE

*Switzerland*

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### Description

Switzerland

### Usage

CHE(level)

### Data Sources

#### Level 1:

- **Swiss Federal Statistical Office (2018)**: population.
- **Federal Office of Public Health**: confirmed cases, deaths, tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.
- **Johns Hopkins Center for Systems Science and Engineering**: recovered.

#### Level 2:

- **Swiss Federal Statistical Office (2018)**: population.
- **Federal Office of Public Health**: confirmed cases, deaths, tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.
- **Specialist Unit for Open Government Data Canton of Zurich**: recovered, patients requiring ventilation.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_CHE.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_CHE.R)

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CHL	<i>Chile</i>
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### Description

Chile

### Usage

CHL(level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Ministerio de Ciencia, Tecnología, Conocimiento, e Innovación**: confirmed cases, deaths, recovered, tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care, patients requiring ventilation.

#### Level 2:

- **Ministerio de Ciencia, Tecnología, Conocimiento e Innovación (2020)**: population.
- **Ministerio de Ciencia, Tecnología, Conocimiento, e Innovación**: confirmed cases, deaths, recovered, tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, intensive care.

#### Level 3:

- **Ministerio de Ciencia, Tecnología, Conocimiento e Innovación (2020)**: population.
- **Ministerio de Ciencia, Tecnología, Conocimiento, e Innovación**: confirmed cases, deaths, tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_CHL.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_CHL.R)

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CHN

*China*

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### Description

China

### Usage

CHN(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [World Health Organization](#): confirmed cases, deaths.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_CHN.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_CHN.R)

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CIV

*Cote d'Ivoire*

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### Description

Cote d'Ivoire

### Usage

CIV(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_CIV.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_CIV.R)

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CMR

*Cameroon*

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### Description

Cameroon

### Usage

CMR(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_CMR.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_CMR.R)

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COD

*Congo (Kinshasa)*

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### Description

Congo (Kinshasa)

### Usage

COD(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_COD.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_COD.R)

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COG

*Congo (Brazzaville)*

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### Description

Congo (Brazzaville)

### Usage

COG(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_COG.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_COG.R)

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COK

*Cook Islands*

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### Description

Cook Islands

### Usage

COK(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_COK.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_COK.R)

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COL

*Colombia*

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**Description**

Colombia

**Usage**

COL(level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018):** population.
- **Instituto Nacional de Salud:** confirmed cases, deaths, recovered, tests.
- **Our World in Data:** total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Level 2:**

- **Wikipedia (2018):** population.
- **Instituto Nacional de Salud:** confirmed cases, deaths, recovered, tests.

**Level 3:**

- **Johns Hopkins Center for Systems Science and Engineering:** population.
- **Instituto Nacional de Salud:** confirmed cases, deaths, recovered, people with at least one vaccine dose, people fully vaccinated.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_COL.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_COL.R)

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COM

*Comoros*

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**Description**

Comoros

**Usage**

COM(level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018):** population.
- **Johns Hopkins Center for Systems Science and Engineering:** confirmed cases, deaths, recovered.
- **Our World in Data:** total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_COM.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_COM.R)

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CPV

*Cabo Verde*

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**Description**

Cabo Verde

**Usage**

CPV(level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018):** population.
- **Johns Hopkins Center for Systems Science and Engineering:** confirmed cases, deaths, recovered.
- **Our World in Data:** tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_CPV.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_CPV.R)

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CRI

*Costa Rica*

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**Description**

Costa Rica

**Usage**

CRI(level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018):** population.
- **Johns Hopkins Center for Systems Science and Engineering:** confirmed cases, deaths, recovered.
- **Our World in Data:** tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_CRI.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_CRI.R)

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CUB

*Cuba*

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### Description

Cuba

### Usage

CUB(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_CUB.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_CUB.R)

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CUW

*Curaçao*

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### Description

Curaçao

### Usage

CUW(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_CUW.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_CUW.R)



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CYM

*Cayman Islands*

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### Description

Cayman Islands

### Usage

CYM(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_CYM.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_CYM.R)

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CYP

*Cyprus*

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### Description

Cyprus

### Usage

CYP(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_CYP.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_CYP.R)

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CZE

*Czech Republic*

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### Description

Czech Republic

### Usage

CZE(level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Ministry of Health of the Czech Republic**: confirmed cases, deaths, recovered, tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care, patients requiring ventilation.

#### Level 2:

- **Czech Statistical Office (2018)**: population.
- **Ministry of Health of the Czech Republic**: confirmed cases, deaths, recovered, tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated.

#### Level 3:

- **Statoids (2011)**: population.
- **Ministry of Health of the Czech Republic**: confirmed cases, deaths, recovered, tests.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_CZE.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_CZE.R)

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DEU

*Germany*

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### Description

Germany

### Usage

DEU(level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018)**: population.
- **Robert Koch Institute**: confirmed cases, deaths, recovered.
- **Robert Koch Institute and the Federal Ministry of Health**: total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated.
- **Our World in Data**: tests, hospitalizations, intensive care.

**Level 2:**

- **Statoids (2021)**: population.
- **Robert Koch Institute**: confirmed cases, deaths, recovered.
- **Robert Koch Institut**: total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated.

**Level 3:**

- **Johns Hopkins Center for Systems Science and Engineering (2021)**: population.
- **Robert Koch Institute**: confirmed cases, deaths, recovered.
- **Robert Koch Institut**: total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_DEU.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_DEU.R)

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DJI	<i>Djibouti</i>
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**Description**

Djibouti

**Usage**

DJI (level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_DJI.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_DJI.R)

DMA

*Dominica***Description**

Dominica

**Usage**

DMA(level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_DMA.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_DMA.R)

DNK

*Denmark***Description**

Denmark

**Usage**

DNK(level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Level 2:**

- **Statoids (2005)**: population.
- **Statens Serum Institut**: confirmed cases, deaths, tests, people with at least one vaccine dose, people fully vaccinated, hospitalizations.

**Level 3:**

- [Statoids \(2005\)](#): population.
- [Statens Serum Institut](#): confirmed cases, tests, people with at least one vaccine dose, people fully vaccinated.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_DNK.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_DNK.R)

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DOM

*Dominican Republic*

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**Description**

Dominican Republic

**Usage**

DOM(level)

**Data Sources****Level 1:**

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_DOM.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_DOM.R)

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DPC

*Cruise Ship Diamond Princess*

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**Description**

Cruise Ship Diamond Princess

**Usage**

DPC(level)

**Data Sources****Level 1:**

- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Wikipedia](#): confirmed cases, tests.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_DPC.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_DPC.R)

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DZA

*Algeria*

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**Description**

Algeria

**Usage**

DZA(level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018):** population.
- **Johns Hopkins Center for Systems Science and Engineering:** confirmed cases, deaths, recovered.
- **Our World in Data:** total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_DZA.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_DZA.R)

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ECU

*Ecuador*

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**Description**

Ecuador

**Usage**

ECU(level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018):** population.
- **Johns Hopkins Center for Systems Science and Engineering:** confirmed cases, deaths, recovered.
- **Our World in Data:** tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_ECU.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_ECU.R)

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EGY

*Egypt*

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### Description

Egypt

### Usage

EGY(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_EGY.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_EGY.R)

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ERI

*Eritrea*

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### Description

Eritrea

### Usage

ERI(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_ERI.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_ERI.R)

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 ESP

*Spain*


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**Description**

Spain

**Usage**

ESP (level)

**Data Sources****Level 1:**

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Level 2:**

- [Johns Hopkins Center for Systems Science and Engineering \(2021\)](#): population.
- [Centro Nacional de Epidemiología](#): confirmed cases.

**Level 3:**

- [Statoids \(2011\)](#): population.
- [Centro Nacional de Epidemiología](#): confirmed cases, deaths, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_ESP.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_ESP.R)

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EST

*Estonia*


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**Description**

Estonia

**Usage**

EST (level)

**Data Sources****Level 1:**

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.



**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_EST.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_EST.R)

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ETH

*Ethiopia***Description**

Ethiopia

**Usage**

ETH(level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018):** population.
- **Johns Hopkins Center for Systems Science and Engineering:** confirmed cases, deaths, recovered.
- **Our World in Data:** tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_ETH.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_ETH.R)

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FIN

*Finland***Description**

Finland

**Usage**

FIN(level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018):** population.
- **Johns Hopkins Center for Systems Science and Engineering:** confirmed cases, deaths, recovered.
- **Our World in Data:** tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_FIN.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_FIN.R)

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FJI

*Fiji*

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### Description

Fiji

### Usage

FJI(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_FJI.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_FJI.R)

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FLK

*Falkland Islands*

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### Description

Falkland Islands

### Usage

FLK(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_FLK.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_FLK.R)

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FRA

*France*

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### Description

France

### Usage

FRA(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Santé Publique France](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.

#### Level 2:

- [Santé publique France \(2020\)](#): population.
- [Santé Publique France](#): confirmed cases, deaths, tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

#### Level 3:

- [Santé publique France \(2020\)](#): population.
- [Santé Publique France](#): confirmed cases, deaths, tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_FRA.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_FRA.R)

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FRO

*Faroe Islands*

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### Description

Faroe Islands

### Usage

FRO(level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018):** population.
- **Johns Hopkins Center for Systems Science and Engineering:** confirmed cases, deaths, recovered.
- **Our World in Data:** tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_FRO.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_FRO.R)

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FSM

*Micronesia*

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**Description**

Micronesia

**Usage**

FSM(level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018):** population.
- **Johns Hopkins Center for Systems Science and Engineering:** confirmed cases, deaths, recovered.
- **Our World in Data:** tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_FSM.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_FSM.R)

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GAB

*Gabon*

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**Description**

Gabon

**Usage**

GAB(level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018):** population.
- **Johns Hopkins Center for Systems Science and Engineering:** confirmed cases, deaths, recovered.
- **Our World in Data:** tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_GAB.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_GAB.R)

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GBR	<i>United Kingdom</i>
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**Description**

United Kingdom

**Usage**

GBR(level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018):** population.
- **UK Health Security Agency:** tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, patients requiring ventilation.
- **Johns Hopkins Center for Systems Science and Engineering:** confirmed cases, deaths, recovered.

**Level 2:**

- **Office for National Statistics (2021):** population.
- **UK Health Security Agency:** confirmed cases, deaths, tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, patients requiring ventilation.

**Level 3:**

- **Office for National Statistics (2021):** population.
- **UK Health Security Agency:** confirmed cases, deaths, tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, patients requiring ventilation.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_GBR.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_GBR.R)

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GEO

*Georgia*

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### Description

Georgia

### Usage

GEO(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_GEO.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_GEO.R)

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GGY

*Guernsey*

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### Description

Guernsey

### Usage

GGY(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_GGY.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_GGY.R)

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GHA

*Ghana*

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### Description

Ghana

### Usage

GHA (level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_GHA.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_GHA.R)

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GIB

*Gibraltar*

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### Description

Gibraltar

### Usage

GIB (level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_GIB.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_GIB.R)

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GIN

*Guinea*

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### Description

Guinea

### Usage

GIN(level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_GIN.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_GIN.R)

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GLP

*Guadeloupe*

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### Description

Guadeloupe

### Usage

GLP(level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Santé Publique France**: confirmed cases, deaths, tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_GLP.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_GLP.R)



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GMB

*Gambia*

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### Description

Gambia

### Usage

GMB (level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_GMB.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_GMB.R)

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GNB

*Guinea-Bissau*

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### Description

Guinea-Bissau

### Usage

GNB (level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_GNB.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_GNB.R)

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GNQ

*Equatorial Guinea*

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**Description**

Equatorial Guinea

**Usage**

GNQ (level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018):** population.
- **Johns Hopkins Center for Systems Science and Engineering:** confirmed cases, deaths, recovered.
- **Our World in Data:** tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_GNQ.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_GNQ.R)

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GPC

*Cruise Ship Grand Princess*

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**Description**

Cruise Ship Grand Princess

**Usage**

GPC (level)

**Data Sources****Level 1:**

- **Johns Hopkins Center for Systems Science and Engineering:** confirmed cases, deaths, recovered.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_GPC.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_GPC.R)

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GRC

*Greece*

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**Description**

Greece

**Usage**

GRC (level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_GRC.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_GRC.R)

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GRD

*Grenada*

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**Description**

Grenada

**Usage**

GRD (level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_GRD.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_GRD.R)

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GRL

*Greenland*

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### Description

Greenland

### Usage

GRL(level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_GRL.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_GRL.R)

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GTM

*Guatemala*

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### Description

Guatemala

### Usage

GTM(level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_GTM.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_GTM.R)

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GUF

*French Guiana*

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### Description

French Guiana

### Usage

GUF(level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Santé Publique France**: confirmed cases, deaths, tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_GUF.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_GUF.R)

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GUM

*Guam*

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### Description

Guam

### Usage

GUM(level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **The New York Times**: confirmed cases, deaths.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_GUM.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_GUM.R)

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GUY

*Guyana*

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### Description

Guyana

### Usage

GUY(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_GUY.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_GUY.R)

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HKG

*Hong Kong*

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### Description

Hong Kong

### Usage

HKG(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_HKG.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_HKG.R)

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HND

*Honduras*

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**Description**

Honduras

**Usage**

HND (level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_HND.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_HND.R)

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HRV

*Croatia*

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**Description**

Croatia

**Usage**

HRV (level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018)**: population.
- **Croatian Institute of Public Health**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Level 2:**

- **Croatian Bureau of Statistics**: population.
- **Croatian Institute of Public Health**: confirmed cases, deaths, recovered.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_HRV.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_HRV.R)

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HTI

*Haiti*

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### Description

Haiti

### Usage

HTI (level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

#### Level 2:

- [Wikipedia \(2015\)](#): population.
- [Ministry of Public Health and Population of Haiti](#): confirmed cases, deaths.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_HTI.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_HTI.R)

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HUN

*Hungary*

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### Description

Hungary

### Usage

HUN (level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_HUN.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_HUN.R)



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IDN

*Indonesia*

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### Description

Indonesia

### Usage

IDN(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_IDN.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_IDN.R)

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IMN

*Isle of Man*

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### Description

Isle of Man

### Usage

IMN(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_IMN.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_IMN.R)

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IND

*India*

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### Description

India

### Usage

IND (level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

#### Level 2:

- **Wikipedia (2013)**: population.
- **COVID-19 India API**: confirmed cases, deaths, recovered, tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_IND.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_IND.R)

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IRL

*Ireland*

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### Description

Ireland

### Usage

IRL (level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Health Protection Surveillance Centre (HPSC) and Health Service Executive (HSE)**: confirmed cases, deaths, tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.
- **Johns Hopkins Center for Systems Science and Engineering**: recovered.

**Level 2:**

- **Ireland Health Protection Surveillance Centre (HPSC) and Health Service Executive (HSE) (2020):** population.
- **Health Protection Surveillance Centre (HPSC) and Health Service Executive (HSE):** confirmed cases, deaths, recovered.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_IRL.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_IRL.R)

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IRN	<i>Iran</i>
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**Description**

Iran

**Usage**

IRN(level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018):** population.
- **Johns Hopkins Center for Systems Science and Engineering:** confirmed cases, deaths, recovered.
- **Our World in Data:** tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_IRN.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_IRN.R)

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IRQ	<i>Iraq</i>
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**Description**

Iraq

**Usage**

IRQ(level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018):** population.
- **Johns Hopkins Center for Systems Science and Engineering:** confirmed cases, deaths, recovered.
- **Our World in Data:** tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_IRQ.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_IRQ.R)

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ISL

*Iceland*

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**Description**

Iceland

**Usage**

ISL(level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018):** population.
- **Johns Hopkins Center for Systems Science and Engineering:** confirmed cases, deaths, recovered.
- **Our World in Data:** tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_ISL.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_ISL.R)

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ISR

*Israel*

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**Description**

Israel

**Usage**

ISR(level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018):** population.
- **Johns Hopkins Center for Systems Science and Engineering:** confirmed cases, deaths, recovered.
- **Our World in Data:** tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_ISR.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_ISR.R)

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ITA	<i>Italy</i>
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**Description**

Italy

**Usage**

ITA(level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018):** population.
- **Ministero della Salute:** confirmed cases, deaths, recovered, tests, hospitalizations, intensive care.
- **Commissario straordinario per l'emergenza Covid-19, Presidenza del Consiglio dei Ministri:** total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated.

**Level 2:**

- **Istituto Nazionale di Statistica, Italia (2018):** population.
- **Ministero della Salute:** confirmed cases, deaths, recovered, tests, hospitalizations, intensive care.
- **Commissario straordinario per l'emergenza Covid-19, Presidenza del Consiglio dei Ministri:** total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated.

**Level 3:**

- **Istituto Nazionale di Statistica, Italia (2018):** population.
- **Ministero della Salute:** confirmed cases.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_ITA.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_ITA.R)

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JAM

*Jamaica*

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### Description

Jamaica

### Usage

JAM(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_JAM.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_JAM.R)

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JEY

*Jersey*

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### Description

Jersey

### Usage

JEY(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_JEY.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_JEY.R)

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JOR

*Jordan*

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### Description

Jordan

### Usage

JOR(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_JOR.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_JOR.R)

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JPN

*Japan*

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### Description

Japan

### Usage

JPN(level)

### Data Sources

#### Level 1:

- [Japan COVID-19 Bulletin Board \(2020\)](#): population.
- [Hirokazu Takaya](#): confirmed cases, deaths, recovered, tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

#### Level 2:

- [Japan COVID-19 Bulletin Board \(2020\)](#): population.
- [Hirokazu Takaya](#): confirmed cases, deaths, recovered, tests, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_JPN.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_JPN.R)

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KAZ

*Kazakhstan*

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### Description

Kazakhstan

### Usage

KAZ (level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_KAZ.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_KAZ.R)

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KEN

*Kenya*

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### Description

Kenya

### Usage

KEN (level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_KEN.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_KEN.R)



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KGZ

*Kyrgyzstan*

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### Description

Kyrgyzstan

### Usage

KGZ(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_KGZ.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_KGZ.R)

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KHM

*Cambodia*

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### Description

Cambodia

### Usage

KHM(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_KHM.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_KHM.R)

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KIR

*Kiribati*

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### Description

Kiribati

### Usage

KIR(level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_KIR.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_KIR.R)

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KNA

*Saint Kitts and Nevis*

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### Description

Saint Kitts and Nevis

### Usage

KNA(level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_KNA.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_KNA.R)

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KOR

*Korea, South*

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### Description

Korea, South

### Usage

KOR(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_KOR.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_KOR.R)

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KWT

*Kuwait*

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### Description

Kuwait

### Usage

KWT(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_KWT.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_KWT.R)

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LAO

*Laos*

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### Description

Laos

### Usage

LAO (level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_LAO.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_LAO.R)

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LBN

*Lebanon*

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### Description

Lebanon

### Usage

LBN (level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_LBN.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_LBN.R)

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LBR

*Liberia*

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### Description

Liberia

### Usage

LBR(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_LBR.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_LBR.R)

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LBY

*Libya*

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### Description

Libya

### Usage

LBY(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_LBY.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_LBY.R)

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LCA

*Saint Lucia*

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### Description

Saint Lucia

### Usage

LCA(level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_LCA.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_LCA.R)

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LIE

*Liechtenstein*

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### Description

Liechtenstein

### Usage

LIE(level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Federal Office of Public Health**: confirmed cases, deaths, tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.
- **Specialist Unit for Open Government Data Canton of Zurich**: recovered, patients requiring ventilation.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_LIE.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_LIE.R)

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LKA

*Sri Lanka*

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### Description

Sri Lanka

### Usage

LKA (level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_LKA.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_LKA.R)

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LSO

*Lesotho*

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### Description

Lesotho

### Usage

LSO (level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_LSO.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_LSO.R)

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LTU

*Lithuania*

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### Description

Lithuania

### Usage

LTU(level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Vaidotas Zemlys-Balevicius**: confirmed cases, deaths, recovered, tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care, patients requiring ventilation.

#### Level 2:

- **Vaidotas Zemlys-Balevicius (2020)**: population.
- **Vaidotas Zemlys-Balevicius**: confirmed cases, deaths, recovered, tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated.

#### Level 3:

- **Vaidotas Zemlys-Balevicius (2020)**: population.
- **Vaidotas Zemlys-Balevicius**: confirmed cases, deaths, recovered, tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_LTU.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_LTU.R)

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LUX

*Luxembourg*

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### Description

Luxembourg

### Usage

LUX(level)



## Data Sources

### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

## Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_LUX.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_LUX.R)

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LVA	<i>Latvia</i>
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## Description

Latvia

## Usage

LVA(level)

## Data Sources

### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Center for Disease Prevention and Control](#): confirmed cases, deaths, tests.
- [Johns Hopkins Center for Systems Science and Engineering](#): recovered.
- [Our World in Data](#): total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Level 3:

- [Oficialas statistikas portals \(2019\)](#): population.
- [Center for Disease Prevention and Control](#): confirmed cases.

## Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_LVA.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_LVA.R)

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MAC

*Macao*

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### Description

Macao

### Usage

MAC(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_MAC.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_MAC.R)

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MAR

*Morocco*

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### Description

Morocco

### Usage

MAR(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_MAR.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_MAR.R)

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MCO

*Monaco*

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### Description

Monaco

### Usage

MCO(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_MCO.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_MCO.R)

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MDA

*Moldova*

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### Description

Moldova

### Usage

MDA(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_MDA.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_MDA.R)

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MDG

*Madagascar*

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### Description

Madagascar

### Usage

MDG(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_MDG.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_MDG.R)

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MDV

*Maldives*

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### Description

Maldives

### Usage

MDV(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_MDV.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_MDV.R)

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MEX

*Mexico*

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### Description

Mexico

### Usage

MEX (level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

#### Level 2:

- [Statoids \(2010\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_MEX.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_MEX.R)

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MHL

*Marshall Islands*

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### Description

Marshall Islands

### Usage

MHL (level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_MHL.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_MHL.R)

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MKD

*North Macedonia*

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### Description

North Macedonia

### Usage

MKD (level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_MKD.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_MKD.R)

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MLI

*Mali*

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### Description

Mali

### Usage

MLI (level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_MLI.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_MLI.R)

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MLT

*Malta*

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### Description

Malta

### Usage

MLT (level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_MLT.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_MLT.R)

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MMR

*Burma*

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### Description

Burma

### Usage

MMR (level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_MMR.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_MMR.R)

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MNE

*Montenegro*

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### Description

Montenegro

### Usage

MNE(level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_MNE.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_MNE.R)

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MNG

*Mongolia*

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### Description

Mongolia

### Usage

MNG(level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_MNG.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_MNG.R)



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MNP

*Northern Mariana Islands*

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### Description

Northern Mariana Islands

### Usage

MNP (level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [The New York Times](#): confirmed cases, deaths.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_MNP.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_MNP.R)

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MOZ

*Mozambique*

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### Description

Mozambique

### Usage

MOZ (level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_MOZ.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_MOZ.R)

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MRT

*Mauritania*

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### Description

Mauritania

### Usage

MRT(level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_MRT.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_MRT.R)

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MSR

*Montserrat*

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### Description

Montserrat

### Usage

MSR(level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_MSR.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_MSR.R)

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MTQ

*Martinique*

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**Description**

Martinique

**Usage**

MTQ (level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018)**: population.
- **Santé Publique France**: confirmed cases, deaths, tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_MTQ.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_MTQ.R)

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MUS

*Mauritius*

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**Description**

Mauritius

**Usage**

MUS (level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_MUS.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_MUS.R)

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MWI

*Malawi*

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### Description

Malawi

### Usage

MWI (level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_MWI.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_MWI.R)

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MYS

*Malaysia*

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### Description

Malaysia

### Usage

MYS (level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_MYS.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_MYS.R)

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MYT

*Mayotte*

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**Description**

Mayotte

**Usage**

MYT (level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018)**: population.
- **Santé Publique France**: confirmed cases, deaths, tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_MYT.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_MYT.R)

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NAM

*Namibia*

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**Description**

Namibia

**Usage**

NAM (level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_NAM.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_NAM.R)

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NCL

*New Caledonia*

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### Description

New Caledonia

### Usage

NCL(level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_NCL.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_NCL.R)

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NER

*Niger*

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### Description

Niger

### Usage

NER(level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_NER.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_NER.R)

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NGA

*Nigeria*

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### Description

Nigeria

### Usage

NGA(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_NGA.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_NGA.R)

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NIC

*Nicaragua*

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### Description

Nicaragua

### Usage

NIC(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_NIC.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_NIC.R)

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 NIU

*Niue*


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**Description**

Niue

**Usage**

NIU(level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018):** population.
- **Johns Hopkins Center for Systems Science and Engineering:** confirmed cases, deaths, recovered.
- **Our World in Data:** tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_NIU.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_NIU.R)

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NLD

*Netherlands*


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**Description**

Netherlands

**Usage**

NLD(level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018):** population.
- **National Institute for Public Health and the Environment:** confirmed cases, deaths.
- **Our World in Data:** tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Level 2:**

- **Statistics Netherlands (2020):** population.
- **National Institute for Public Health and the Environment:** confirmed cases, deaths.

**Level 3:**

- **Statistics Netherlands (2020):** population.
- **National Institute for Public Health and the Environment:** confirmed cases, deaths.



**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_NLD.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_NLD.R)

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NOR

*Norway*

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**Description**

Norway

**Usage**

NOR(level)

**Data Sources****Level 1:**

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_NOR.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_NOR.R)

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NPL

*Nepal*

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**Description**

Nepal

**Usage**

NPL(level)

**Data Sources****Level 1:**

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_NPL.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_NPL.R)

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NRU

*Nauru*

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### Description

Nauru

### Usage

NRU(level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_NRU.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_NRU.R)

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NZL

*New Zealand*

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### Description

New Zealand

### Usage

NZL(level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_NZL.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_NZL.R)

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OMN

*Oman*

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### Description

Oman

### Usage

OMN(level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_OMN.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_OMN.R)

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PAK

*Pakistan*

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### Description

Pakistan

### Usage

PAK(level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

#### Level 2:

- **Johns Hopkins Center for Systems Science and Engineering**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_PAK.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_PAK.R)

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PAN

*Panama*

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### Description

Panama

### Usage

PAN(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_PAN.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_PAN.R)

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PCN

*Pitcairn*

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### Description

Pitcairn

### Usage

PCN(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_PCN.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_PCN.R)

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PER

*Peru*

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### Description

Peru

### Usage

PER(level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Jesus M. Castagnetto**: confirmed cases, deaths, recovered, tests, hospitalizations, intensive care, patients requiring ventilation.
- **Ministerio de Salud**: total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated.

#### Level 2:

- **COVID-19 Peru Data Repository (2019)**: population.
- **Jesus M. Castagnetto**: confirmed cases, deaths, recovered, tests.
- **Ministerio de Salud**: total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_PER.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_PER.R)

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PHL

*Philippines*

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### Description

Philippines

### Usage

PHL(level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_PHL.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_PHL.R)

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PLW

*Palau*

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**Description**

Palau

**Usage**

PLW(level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018):** population.
- **Johns Hopkins Center for Systems Science and Engineering:** confirmed cases, deaths, recovered.
- **Our World in Data:** tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_PLW.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_PLW.R)

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PNG

*Papua New Guinea*

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**Description**

Papua New Guinea

**Usage**

PNG(level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018):** population.
- **Johns Hopkins Center for Systems Science and Engineering:** confirmed cases, deaths, recovered.
- **Our World in Data:** tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_PNG.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_PNG.R)

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POL

*Poland*

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### Description

Poland

### Usage

POL(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_POL.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_POL.R)

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PRI

*Puerto Rico*

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### Description

Puerto Rico

### Usage

PRI(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [The New York Times](#): confirmed cases, deaths.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_PRI.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_PRI.R)

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 PRT

*Portugal*


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**Description**

Portugal

**Usage**

PRT(level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Data Science for Social Good Portugal**: hospitalizations, intensive care.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated.

**Level 2:**

- **AICEP Portugal Global (2014)**: population.
- **Data Science for Social Good Portugal**: confirmed cases, deaths.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_PRT.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_PRT.R)

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PRY

*Paraguay*


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**Description**

Paraguay

**Usage**

PRY(level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.



**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_PRY.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_PRY.R)

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PSE

*West Bank and Gaza***Description**

West Bank and Gaza

**Usage**

PSE(level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018):** population.
- **Johns Hopkins Center for Systems Science and Engineering:** confirmed cases, deaths, recovered.
- **Our World in Data:** tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_PSE.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_PSE.R)

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PYF

*French Polynesia***Description**

French Polynesia

**Usage**

PYF(level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018):** population.
- **Johns Hopkins Center for Systems Science and Engineering:** confirmed cases, deaths, recovered.
- **Our World in Data:** tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_PYF.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_PYF.R)

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QAT

*Qatar*

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### Description

Qatar

### Usage

QAT (level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_QAT.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_QAT.R)

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REU

*Réunion*

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### Description

Réunion

### Usage

REU (level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Santé Publique France**: confirmed cases, deaths, tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_REU.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_REU.R)

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RKS

*Kosovo*

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### Description

Kosovo

### Usage

RKS(level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_RKS.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_RKS.R)

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ROU

*Romania*

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### Description

Romania

### Usage

ROU(level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_ROU.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_ROU.R)

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RUS

*Russia*

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### Description

Russia

### Usage

RUS (level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

#### Level 2:

- [Wikipedia \(2010\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_RUS.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_RUS.R)

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RWA

*Rwanda*

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### Description

Rwanda

### Usage

RWA (level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_RWA.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_RWA.R)

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SAU

*Saudi Arabia*

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### Description

Saudi Arabia

### Usage

SAU (level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_SAU.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_SAU.R)

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SDN

*Sudan*

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### Description

Sudan

### Usage

SDN (level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_SDN.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_SDN.R)

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SEN

*Senegal*

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### Description

Senegal

### Usage

SEN(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_SEN.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_SEN.R)

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SGP

*Singapore*

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### Description

Singapore

### Usage

SGP(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_SGP.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_SGP.R)

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SHN

*Saint Helena, Ascension and Tristan da Cunha*

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### Description

Saint Helena, Ascension and Tristan da Cunha

### Usage

SHN(level)

### Data Sources

#### Level 1:

- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_SHN.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_SHN.R)

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SLB

*Solomon Islands*

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### Description

Solomon Islands

### Usage

SLB(level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_SLB.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_SLB.R)

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SLE

*Sierra Leone*

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### Description

Sierra Leone

### Usage

SLE (level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_SLE.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_SLE.R)

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SLV

*El Salvador*

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### Description

El Salvador

### Usage

SLV (level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_SLV.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_SLV.R)



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SMR

*San Marino*

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### Description

San Marino

### Usage

SMR(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_SMR.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_SMR.R)

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SOM

*Somalia*

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### Description

Somalia

### Usage

SOM(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_SOM.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_SOM.R)

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SRB

*Serbia*

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### Description

Serbia

### Usage

SRB (level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_SRB.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_SRB.R)

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SSD

*South Sudan*

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### Description

South Sudan

### Usage

SSD (level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_SSD.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_SSD.R)

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STP

*Sao Tome and Principe*

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### Description

Sao Tome and Principe

### Usage

STP(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_STP.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_STP.R)

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SUR

*Suriname*

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### Description

Suriname

### Usage

SUR(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_SUR.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_SUR.R)

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SVK

*Slovakia*

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**Description**

Slovakia

**Usage**

SVK(level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018):** population.
- **Johns Hopkins Center for Systems Science and Engineering:** confirmed cases, deaths, recovered.
- **Our World in Data:** tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_SVK.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_SVK.R)

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SVN

*Slovenia*

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**Description**

Slovenia

**Usage**

SVN(level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018):** population.
- **Ministry of Health and National Institute for Public health:** confirmed cases, deaths, tests, hospitalizations, intensive care.
- **Johns Hopkins Center for Systems Science and Engineering:** recovered.
- **Our World in Data:** total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_SVN.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_SVN.R)

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SWE

*Sweden*

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### Description

Sweden

### Usage

SWE (level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Public Health Agency of Sweden](#): confirmed cases, deaths.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

#### Level 2:

- [Statoids \(2006\)](#): population.
- [Public Health Agency of Sweden](#): confirmed cases.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_SWE.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_SWE.R)

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SWZ

*Eswatini*

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### Description

Eswatini

### Usage

SWZ (level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_SWZ.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_SWZ.R)

---

SXM

*Sint Maarten*

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### Description

Sint Maarten

### Usage

SXM(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_SXM.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_SXM.R)

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SYC

*Seychelles*

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### Description

Seychelles

### Usage

SYC(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_SYC.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_SYC.R)

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SYR

*Syria*

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### Description

Syria

### Usage

SYR(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_SYR.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_SYR.R)

---

TCA

*Turks and Caicos Islands*

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### Description

Turks and Caicos Islands

### Usage

TCA(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_TCA.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_TCA.R)

---

TCD

*Chad*

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### Description

Chad

### Usage

TCD(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_TCD.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_TCD.R)

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TGO

*Togo*

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### Description

Togo

### Usage

TGO(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_TGO.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_TGO.R)



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THA

*Thailand*

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**Description**

Thailand

**Usage**

THA(level)

**Data Sources****Level 1:**

- [World Bank Open Data \(2018\)](#): population.
- [Department of Disease Control, Thailand Ministry of Public Health](#): confirmed cases, deaths.
- [Johns Hopkins Center for Systems Science and Engineering](#): recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Level 2:**

- [Statoids \(2010\)](#): population.
- [Department of Disease Control, Thailand Ministry of Public Health](#): confirmed cases, deaths.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_THA.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_THA.R)

---

TJK

*Tajikistan*

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**Description**

Tajikistan

**Usage**

TJK(level)

**Data Sources****Level 1:**

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_TJK.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_TJK.R)

---

TKL

*Tokelau*

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### Description

Tokelau

### Usage

TKL(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_TKL.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_TKL.R)

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TKM

*Turkmenistan*

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### Description

Turkmenistan

### Usage

TKM(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_TKM.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_TKM.R)

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TLS

*Timor-Leste*

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### Description

Timor-Leste

### Usage

TLS (level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_TLS.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_TLS.R)

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TON

*Tonga*

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### Description

Tonga

### Usage

TON (level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_TON.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_TON.R)

---

TTO

*Trinidad and Tobago*

---

### Description

Trinidad and Tobago

### Usage

TTO(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_TTO.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_TTO.R)

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TUN

*Tunisia*

---

### Description

Tunisia

### Usage

TUN(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_TUN.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_TUN.R)

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TUR

*Turkey*

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**Description**

Turkey

**Usage**

TUR(level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Ozan Erturk**: intensive care, patients requiring ventilation.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_TUR.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_TUR.R)

---

TUV

*Tuvalu*

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**Description**

Tuvalu

**Usage**

TUV(level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_TUV.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_TUV.R)

TWN

*Taiwan***Description**

Taiwan

**Usage**

TWN(level)

**Data Sources****Level 1:**

- [CIA - Central Intelligence Agency \(2020\)](#): population.
- [Ministry of Health and Welfare of Taiwan](#): confirmed cases, tests.
- [Johns Hopkins Center for Systems Science and Engineering](#): deaths, recovered.
- [Our World in Data](#): total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Level 2:**

- [City populations worldwide \(2016\)](#): population.
- [Ministry of Health and Welfare of Taiwan](#): confirmed cases.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_TWN.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_TWN.R)

TZA

*Tanzania***Description**

Tanzania

**Usage**

TZA(level)

**Data Sources****Level 1:**

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_TZA.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_TZA.R)

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UGA

*Uganda*

---

### Description

Uganda

### Usage

UGA(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_UGA.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_UGA.R)

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UKR

*Ukraine*

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### Description

Ukraine

### Usage

UKR(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

#### Level 2:

- [Statoids \(2001\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_UKR.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_UKR.R)

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URY

*Uruguay*

---

**Description**

Uruguay

**Usage**

URY(level)

**Data Sources****Level 1:**

- **World Bank Open Data (2018):** population.
- **Johns Hopkins Center for Systems Science and Engineering:** confirmed cases, deaths, recovered.
- **Our World in Data:** tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_URY.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_URY.R)

---

USA

*United States*

---

**Description**

United States

**Usage**

USA(level)

**Data Sources****Level 1:**

- **Johns Hopkins Center for Systems Science and Engineering (2020):** population.
- **The New York Times:** confirmed cases, deaths.
- **Johns Hopkins Center for Systems Science and Engineering:** recovered.
- **Our World in Data:** tests, hospitalizations, intensive care.
- **Centers for Disease Control and Prevention:** total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated.



**Level 2:**

- [Johns Hopkins Center for Systems Science and Engineering \(2020\)](#): population.
- [The New York Times](#): confirmed cases, deaths.
- [U.S. Department of Health & Human Services](#): tests, hospitalizations, intensive care.
- [The COVID Tracking Project](#): recovered, patients requiring ventilation.
- [Centers for Disease Control and Prevention](#): total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated.

**Level 3:**

- [Johns Hopkins Center for Systems Science and Engineering \(2020\)](#): population.
- [The New York Times](#): confirmed cases, deaths.
- [Centers for Disease Control and Prevention](#): people with at least one vaccine dose, people fully vaccinated.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_USA.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_USA.R)

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UZB

*Uzbekistan*

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**Description**

Uzbekistan

**Usage**

UZB(level)

**Data Sources****Level 1:**

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_UZB.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_UZB.R)

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 VAT

*Holy See*


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**Description**

Holy See

**Usage**

VAT(level)

**Data Sources****Level 1:**

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**
[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_VAT.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_VAT.R)


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VCT

*Saint Vincent and the Grenadines*


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**Description**

Saint Vincent and the Grenadines

**Usage**

VCT(level)

**Data Sources****Level 1:**

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**
[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_VCT.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_VCT.R)

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VEN

*Venezuela*

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### Description

Venezuela

### Usage

VEN(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_VEN.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_VEN.R)

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VGB

*British Virgin Islands*

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### Description

British Virgin Islands

### Usage

VGB(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_VGB.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_VGB.R)

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VIR

*Virgin Islands, U.S.*

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### Description

Virgin Islands, U.S.

### Usage

VIR(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [The New York Times](#): confirmed cases, deaths.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_VIR.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_VIR.R)

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VNM

*Vietnam*

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### Description

Vietnam

### Usage

VNM(level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_VNM.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_VNM.R)

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VUT

*Vanuatu*

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### Description

Vanuatu

### Usage

VUT (level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_VUT.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_VUT.R)

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WLF

*Wallis and Futuna*

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### Description

Wallis and Futuna

### Usage

WLF (level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_WLF.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_WLF.R)

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WSM

*Samoa*

---

### Description

Samoa

### Usage

WSM(level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_WSM.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_WSM.R)

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YEM

*Yemen*

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### Description

Yemen

### Usage

YEM(level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.
- **Our World in Data**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_YEM.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_YEM.R)

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ZAF

*South Africa*

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### Description

South Africa

### Usage

ZAF (level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Data Science for Social Impact research group, University of Pretoria](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

#### Level 2:

- [Wikipedia \(2018\)](#): population.
- [Data Science for Social Impact research group, University of Pretoria](#): confirmed cases, deaths, recovered, tests.

### Source

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_ZAF.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_ZAF.R)

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ZMB

*Zambia*

---

### Description

Zambia

### Usage

ZMB (level)

### Data Sources

#### Level 1:

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_ZMB.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_ZMB.R)

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ZWE

*Zimbabwe*

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**Description**

Zimbabwe

**Usage**

ZWE(level)

**Data Sources****Level 1:**

- [World Bank Open Data \(2018\)](#): population.
- [Johns Hopkins Center for Systems Science and Engineering](#): confirmed cases, deaths, recovered.
- [Our World in Data](#): tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Source**

[https://github.com/covid19datahub/COVID19/blob/master/R/iso\\_ZWE.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_ZWE.R)



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