

# Package ‘COVID19’

September 17, 2022

**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

**Roxygen** list(markdown = TRUE)

**RoxygenNote** 7.2.1

**Suggests** knitr, rmarkdown

**VignetteBuilder** knitr

**RemoteType** github

**RemoteHost** api.github.com

**RemoteRepo** COVID19

**RemoteUsername** covid19datahub

**RemoteRef** HEAD

**RemoteSha** 77d66ee531fc81bf7891af86067c53f03a978881

**GithubRepo** COVID19

**GithubUsername** covid19datahub

**GithubRef** HEAD

**GithubSHA1** 77d66ee531fc81bf7891af86067c53f03a978881

**NeedsCompilation** no

**Author** Emanuele Guidotti [aut, cre] (<<https://orcid.org/0000-0002-8961-6623>>),  
David Ardia [ctb] (<<https://orcid.org/0000-0003-2823-782X>>)

**Maintainer** Emanuele Guidotti <[emanuele.guidotti@unine.ch](mailto:emanuele.guidotti@unine.ch)>

**R topics documented:**

ABW	6
AFG	7
AGO	7
AIA	8
ALB	8
AND	9
ARE	9
ARG	10
ARM	10
ASM	11
ATG	11
AUS	12
AUT	13
AZE	13
BDI	14
BEL	14
BEN	15
BES	16
BFA	16
BGD	17
BGR	17
BHR	18
BHS	18
BIH	19
BLR	19
BLZ	20
BMU	20
BOL	21
BRA	21
BRB	22
BRN	22
BTN	23
BWA	23
CAC	24
CAF	24
CAN	25
CHE	25
CHL	26
CHN	27
CIV	27
CMR	28
COD	28
COG	29
COK	29
COL	30
COM	30
CPV	31
CRI	31
CUB	32
CUW	32

CYM	33
CYP	33
CZE	34
DEU	34
DJI	35
DMA	36
DNK	36
DOM	37
DPC	37
DZA	38
ECU	38
EGY	39
ERI	39
ESP	40
EST	40
ETH	41
FIN	41
FJI	42
FLK	42
FRA	43
FRO	43
FSM	44
GAB	44
GBR	45
GEO	46
GGY	46
GHA	47
GIB	47
GIN	48
GLP	48
GMB	49
GNB	49
GNQ	50
GPC	50
GRC	51
GRD	51
GRL	52
GTM	52
GUF	53
GUM	53
GUY	54
HKG	54
HND	55
HRV	55
HTI	56
HUN	56
IDN	57
IMN	57
IND	58
IRL	58
IRN	59
IRQ	59

ISL	60
ISR	60
ITA	61
JAM	62
JEY	62
JOR	63
JPN	63
KAZ	64
KEN	64
KGZ	65
KHM	65
KIR	66
KNA	66
KOR	67
KWT	67
LAO	68
LBN	68
LBR	69
LBY	69
LCA	70
LIE	70
LKA	71
LSO	71
LTU	72
LUX	72
LVA	73
MAC	74
MAR	74
MCO	75
MDA	75
MDG	76
MDV	76
MEX	77
MHL	77
MKD	78
MLI	78
MLT	79
MMR	79
MNE	80
MNG	80
MNP	81
MOZ	81
MRT	82
MSR	82
MTQ	83
MUS	83
MWI	84
MYS	84
MYT	85
NAM	85
NCL	86
NER	86

NGA	87
NIC	87
NIU	88
NLD	88
NOR	89
NPL	89
NRU	90
NZL	90
OMN	91
PAK	91
PAN	92
PCN	92
PER	93
PHL	93
PLW	94
PNG	94
POL	95
PRI	95
PRT	96
PRY	96
PSE	97
PYF	97
QAT	98
REU	98
RKS	99
ROU	99
RUS	100
RWA	100
SAU	101
SDN	101
SEN	102
SGP	102
SHN	103
SLB	103
SLE	104
SLV	104
SMR	105
SOM	105
SRB	106
SSD	106
STP	107
SUR	107
SVK	108
SVN	108
SWE	109
SWZ	109
SXM	110
SYC	110
SYR	111
TCA	111
TCD	112
TGO	112

THA . . . . .	113
TJK . . . . .	113
TKL . . . . .	114
TKM . . . . .	114
TLS . . . . .	115
TON . . . . .	115
TTO . . . . .	116
TUN . . . . .	116
TUR . . . . .	117
TUV . . . . .	117
TWN . . . . .	118
TZA . . . . .	118
UGA . . . . .	119
UKR . . . . .	119
URY . . . . .	120
USA . . . . .	120
UZB . . . . .	121
VAT . . . . .	122
VCT . . . . .	122
VEN . . . . .	123
VGB . . . . .	123
VIR . . . . .	124
VNM . . . . .	124
VUT . . . . .	125
WLF . . . . .	125
WSM . . . . .	126
YEM . . . . .	126
ZAF . . . . .	127
ZMB . . . . .	127
ZWE . . . . .	128

<b>Index</b>	<b>129</b>
--------------	------------

---

ABW

*Aruba*

---

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

---

AFG

*Afghanistan***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)

---

AGO

*Angola***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)

---

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)

---

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)



---

AND

*Andorra*

---

### 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)

---

ARE

*United Arab Emirates*

---

### 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)

---

ARG

*Argentina*

---

### 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)

---

ARM

*Armenia*

---

### 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)

---

ASM

*American Samoa*

---

**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)

---

ATG

*Antigua and Barbuda*

---

**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)

---

AUS	<i>Australia</i>
-----	------------------

---

## 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)

---

AUT

*Austria*

---

**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)

---

AZE

*Azerbaijan*

---

**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)

---

BDI

*Burundi*

---

**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)

---

BEL

*Belgium*

---

**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)

---

BEN	<i>Benin</i>
-----	--------------

---

**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)

---

BES

*Bonaire, Sint Eustatius and Saba*

---

### 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)

---

BFA

*Burkina Faso*

---

### 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)



---

BGD

*Bangladesh*

---

### 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)

---

BGR

*Bulgaria*

---

### 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)

---

BHR

*Bahrain*

---

### 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)

---

BHS

*Bahamas*

---

### 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)

---

BIH

*Bosnia and Herzegovina*

---

### 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)

---

BLR

*Belarus*

---

### 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)

---

BLZ

*Belize*

---

### 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)

---

BMU

*Bermuda*

---

### 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](#): 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\\_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.
- **Emanuele Guidotti**: 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)

---

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)

---

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)

---

BTN

*Bhutan*

---

### 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)

---

BWA

*Botswana*

---

### 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)

---

CAC

*Cruise Ship Costa Atlantica*

---

### 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)

---

CAF

*Central African Republic*

---

### 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)



---

CAN

*Canada*

---

### Description

Canada

### Usage

CAN(level)

### Data Sources

#### Level 1:

- **World Bank Open Data (2018)**: population.
- **Public Health Agency of Canada**: 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:

- **Canada's National Statistical Agency (2020)**: population.
- **Public Health Agency of Canada**: 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\\_CAN.R](https://github.com/covid19datahub/COVID19/blob/master/R/iso_CAN.R)

---

CHE

*Switzerland*

---

### 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)

---

CHL	<i>Chile</i>
-----	--------------

---

### 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)

---

CHN

*China*

---

### 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)

---

CIV

*Cote d'Ivoire*

---

### 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)

---

CMR

*Cameroon*

---

### 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)

---

COD

*Congo (Kinshasa)*

---

### 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)

---

COG	<i>Congo (Brazzaville)</i>
-----	----------------------------

---

**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)

---

COK	<i>Cook Islands</i>
-----	---------------------

---

**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)

---

COL

*Colombia*

---

**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)

---

COM

*Comoros*

---

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

---

CPV

*Cabo Verde*

---

**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)

---

CRI

*Costa Rica*

---

**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)

---

CUB

*Cuba*

---

### 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)

---

CUW

*Curaçao*

---

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



---

CYM

*Cayman Islands*

---

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

---

CYP

*Cyprus*

---

### 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)

---

CZE

*Czech Republic*

---

### 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)

---

DEU

*Germany*

---

### 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)

---

DJI	<i>Djibouti</i>
-----	-----------------

---

**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)

---

DOM

*Dominican Republic*

---

**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)

---

DPC

*Cruise Ship Diamond Princess*

---

**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)

---

DZA

*Algeria*

---

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

---

ECU

*Ecuador*

---

**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)

---

EGY

*Egypt*

---

### 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)

---

ERI

*Eritrea*

---

### 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)

---

 ESP

*Spain*


---

**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)

---

EST

*Estonia*


---

**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)

---

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)

---

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)

---

FJI

*Fiji*

---

### 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)

---

FLK

*Falkland Islands*

---

### 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)

---

FRA

*France*

---

### 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)

---

FRO

*Faroe Islands*

---

### 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)

---

FSM

*Micronesia*

---

**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)

---

GAB

*Gabon*

---

**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)

---

GBR

*United Kingdom*

---

**Description**

United Kingdom

**Usage**

GBR (level)

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

- **World Bank Open Data (2018)**: 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 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)

---

GEO

*Georgia*

---

### 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)

---

GGY

*Guernsey*

---

### 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)

---

GHA

*Ghana*

---

### 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)

---

GIB

*Gibraltar*

---

### 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)

---

GIN

*Guinea*

---

### 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)

---

GLP

*Guadeloupe*

---

### 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)



---

GMB

*Gambia*

---

### 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)

---

GNB

*Guinea-Bissau*

---

### 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)

---

GNQ

*Equatorial Guinea*

---

**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)

---

GPC

*Cruise Ship Grand Princess*

---

**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)

---

GRC

*Greece*

---

**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)

---

GRD

*Grenada*

---

**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)

---

GRL

*Greenland*

---

### 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)

---

GTM

*Guatemala*

---

### 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)

---

GUF

*French Guiana*

---

### 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)

---

GUM

*Guam*

---

### 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)

---

GUY

*Guyana*

---

### 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)

---

HKG

*Hong Kong*

---

### 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)

---

HND

*Honduras*

---

**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)

---

HRV

*Croatia*

---

**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)

---

HTI

*Haiti*

---

### 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>

---

HUN

*Hungary*

---

### 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)



---

IDN

*Indonesia*

---

### 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)

---

IMN

*Isle of Man*

---

### 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)

---

IND

*India*

---

### 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)

---

IRL

*Ireland*

---

### 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)

---

IRN	<i>Iran</i>
-----	-------------

---

**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)

---

IRQ	<i>Iraq</i>
-----	-------------

---

**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)

---

ISL

*Iceland*

---

**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)

---

ISR

*Israel*

---

**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)

---

ITA	<i>Italy</i>
-----	--------------

---

**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)

---

JAM

*Jamaica*

---

### 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)

---

JEY

*Jersey*

---

### 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)

---

JOR

*Jordan*

---

### 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)

---

JPN

*Japan*

---

### Description

Japan

### Usage

JPN(level)

### Data Sources

#### Level 1:

- [Japan COVID-19 Bulletin Board \(2020\)](#): population.
- [Su Wei](#): confirmed cases, deaths, recovered, tests, hospitalizations, intensive care, patients requiring ventilation.
- [Our World in Data](#): total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated.

#### Level 2:

- [Japan COVID-19 Bulletin Board \(2020\)](#): population.
- [Su Wei](#): confirmed cases, deaths, recovered, tests, hospitalizations, intensive care, patients requiring ventilation.

**Source**

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

---

KAZ

*Kazakhstan*

---

**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)

---

KEN

*Kenya*

---

**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)



---

KGZ

*Kyrgyzstan*

---

### 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)

---

KHM

*Cambodia*

---

### 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)

---

KIR

*Kiribati*

---

### 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)

---

KNA

*Saint Kitts and Nevis*

---

### 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)

---

KOR

*Korea, South*

---

### 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)

---

KWT

*Kuwait*

---

### 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)

---

LAO

*Laos*

---

### 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)

---

LBN

*Lebanon*

---

### 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)

---

LBR

*Liberia*

---

### 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)

---

LBY

*Libya*

---

### 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)

---

LCA

*Saint Lucia*

---

### 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)

---

LIE

*Liechtenstein*

---

### 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)

---

LKA

*Sri Lanka*

---

### 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)

---

LSO

*Lesotho*

---

### 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)

---

LTU

*Lithuania*

---

### 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)

---

LUX

*Luxembourg*

---

### 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)

---

LVA	<i>Latvia</i>
-----	---------------

---

## 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)

---

MAC

*Macao*

---

### 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)

---

MAR

*Morocco*

---

### 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)

---

MCO

*Monaco*

---

### 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)

---

MDA

*Moldova*

---

### 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)

---

MDG

*Madagascar*

---

### 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)

---

MDV

*Maldives*

---

### 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)

---

MEX

*Mexico*

---

### 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)

---

MHL

*Marshall Islands*

---

### 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)

---

MKD

*North Macedonia*

---

### 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)

---

MLI

*Mali*

---

### 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)

---

MLT

*Malta*

---

### 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)

---

MMR

*Burma*

---

### 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)

---

MNE

*Montenegro*

---

### 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)

---

MNG

*Mongolia*

---

### 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)



---

MNP

*Northern Mariana Islands*

---

**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)

---

MOZ

*Mozambique*

---

**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)

---

MRT

*Mauritania*

---

### 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)

---

MSR

*Montserrat*

---

### 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)

---

MTQ

*Martinique*

---

**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)

---

MUS

*Mauritius*

---

**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)

---

MWI

*Malawi*

---

### 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)

---

MYS

*Malaysia*

---

### 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)

---

MYT

*Mayotte*

---

**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)

---

NAM

*Namibia*

---

**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)

---

NCL

*New Caledonia*

---

### 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)

---

NER

*Niger*

---

### 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)

---

NGA

*Nigeria*

---

### 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)

---

NIC

*Nicaragua*

---

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

---

 NIU

*Niue*


---

**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)

---

NLD

*Netherlands*


---

**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)

---

NOR

*Norway*

---

**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)

---

NPL

*Nepal*

---

**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)

---

NRU

*Nauru*

---

### 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)

---

NZL

*New Zealand*

---

### 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)

---

OMN

*Oman*

---

### 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)

---

PAK

*Pakistan*

---

### 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)

---

PAN

*Panama*

---

### 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)

---

PCN

*Pitcairn*

---

### 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)

---

PER

*Peru*

---

### 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)

---

PHL

*Philippines*

---

### 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)

---

PLW

*Palau*

---

**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)

---

PNG

*Papua New Guinea*

---

**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)

---

POL

*Poland*

---

### 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)

---

PRI

*Puerto Rico*

---

### 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)

---

 PRT

*Portugal*


---

**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)

---

PRY

*Paraguay*


---

**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)

---

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)

---

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)

---

QAT

*Qatar*

---

### 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)

---

REU

*Réunion*

---

### 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)

---

RKS

*Kosovo*

---

### 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)

---

ROU

*Romania*

---

### 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)

---

RUS

*Russia*

---

### 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)

---

RWA

*Rwanda*

---

### 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)

---

SAU

*Saudi Arabia*

---

### 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)

---

SDN

*Sudan*

---

### 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)

---

SEN

*Senegal*

---

### 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)

---

SGP

*Singapore*

---

### 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)

---

SHN

*Saint Helena, Ascension and Tristan da Cunha*

---

### 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)

---

SLB

*Solomon Islands*

---

### 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)

---

SLE

*Sierra Leone*

---

### 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)

---

SLV

*El Salvador*

---

### 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)



---

SMR

*San Marino*

---

### 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)

---

SOM

*Somalia*

---

### 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)

---

SRB

*Serbia*

---

### 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)

---

SSD

*South Sudan*

---

### 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)

---

STP

*Sao Tome and Principe*

---

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

---

SUR

*Suriname*

---

**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)

---

SVK

*Slovakia*

---

**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)

---

SVN

*Slovenia*

---

**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)

---

SWE

*Sweden*

---

**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)

---

SWZ

*Eswatini*

---

**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*

---

**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)

---

SYC

*Seychelles*

---

**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)

---

SYR

*Syria*

---

### 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*

---

### 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*

---

### 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)

---

TGO

*Togo*

---

### 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)



---

THA

*Thailand*

---

**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*

---

**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*

---

### 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)

---

TKM

*Turkmenistan*

---

### 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)

---

TLS

*Timor-Leste*

---

### 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)

---

TON

*Tonga*

---

### 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)

---

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)

---

TUR	<i>Turkey</i>
-----	---------------

---

**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	<i>Tuvalu</i>
-----	---------------

---

**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)

---

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)

---

UKR

*Ukraine*

---

### 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)

---

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)

---

UZB

*Uzbekistan*

---

**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)

---

VAT

*Holy See*

---

### 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)

---

VCT

*Saint Vincent and the Grenadines*

---

### 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)

---

VEN

*Venezuela*

---

### 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)

---

VGB

*British Virgin Islands*

---

### 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)

---

VIR

*Virgin Islands, U.S.*

---

### 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)

---

VNM

*Vietnam*

---

### 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)

---

VUT

*Vanuatu*

---

### 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)

---

WLF

*Wallis and Futuna*

---

### 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)

---

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)

---

YEM

*Yemen*

---

### 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)

---

ZAF

*South Africa*

---

### 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)

---

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)

---

ZWE

*Zimbabwe*

---

**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)



# Index

ABW, 6  
AFG, 7  
AGO, 7  
AIA, 8  
ALB, 8  
AND, 9  
ARE, 9  
ARG, 10  
ARM, 10  
ASM, 11  
ATG, 11  
AUS, 12  
AUT, 13  
AZE, 13  
  
BDI, 14  
BEL, 14  
BEN, 15  
BES, 16  
BFA, 16  
BGD, 17  
BGR, 17  
BHR, 18  
BHS, 18  
BIH, 19  
BLR, 19  
BLZ, 20  
BMU, 20  
BOL, 21  
BRA, 21  
BRB, 22  
BRN, 22  
BTN, 23  
BWA, 23  
  
CAC, 24  
CAF, 24  
CAN, 25  
CHE, 25  
CHL, 26  
CHN, 27  
CIV, 27  
CMR, 28  
COD, 28  
  
COG, 29  
COK, 29  
COL, 30  
COM, 30  
CPV, 31  
CRI, 31  
CUB, 32  
CUW, 32  
CYM, 33  
CYP, 33  
CZE, 34  
  
DEU, 34  
DJI, 35  
DMA, 36  
DNK, 36  
DOM, 37  
DPC, 37  
DZA, 38  
  
ECU, 38  
EGY, 39  
ERI, 39  
ESP, 40  
EST, 40  
ETH, 41  
  
FIN, 41  
FJI, 42  
FLK, 42  
FRA, 43  
FRO, 43  
FSM, 44  
  
GAB, 44  
GBR, 45  
GEO, 46  
GGY, 46  
GHA, 47  
GIB, 47  
GIN, 48  
GLP, 48  
GMB, 49  
GNB, 49

- GNQ, 50  
GPC, 50  
GRC, 51  
GRD, 51  
GRL, 52  
GTM, 52  
GUF, 53  
GUM, 53  
GUY, 54
- HKG, 54  
HND, 55  
HRV, 55  
HTI, 56  
HUN, 56
- IDN, 57  
IMN, 57  
IND, 58  
IRL, 58  
IRN, 59  
IRQ, 59  
ISL, 60  
ISR, 60  
ITA, 61
- JAM, 62  
JEY, 62  
JOR, 63  
JPN, 63
- KAZ, 64  
KEN, 64  
KGZ, 65  
KHM, 65  
KIR, 66  
KNA, 66  
KOR, 67  
KWT, 67
- LAO, 68  
LBN, 68  
LBR, 69  
LBY, 69  
LCA, 70  
LIE, 70  
LKA, 71  
LSO, 71  
LTU, 72  
LUX, 72  
LVA, 73
- MAC, 74  
MAR, 74
- MCO, 75  
MDA, 75  
MDG, 76  
MDV, 76  
MEX, 77  
MHL, 77  
MKD, 78  
MLI, 78  
MLT, 79  
MMR, 79  
MNE, 80  
MNG, 80  
MNP, 81  
MOZ, 81  
MRT, 82  
MSR, 82  
MTQ, 83  
MUS, 83  
MWI, 84  
MYS, 84  
MYT, 85
- NAM, 85  
NCL, 86  
NER, 86  
NGA, 87  
NIC, 87  
NIU, 88  
NLD, 88  
NOR, 89  
NPL, 89  
NRU, 90  
NZL, 90
- OMN, 91
- PAK, 91  
PAN, 92  
PCN, 92  
PER, 93  
PHL, 93  
PLW, 94  
PNG, 94  
POL, 95  
PRI, 95  
PRT, 96  
PRY, 96  
PSE, 97  
PYF, 97
- QAT, 98
- REU, 98

RKS, 99  
ROU, 99  
RUS, 100  
RWA, 100

SAU, 101  
SDN, 101  
SEN, 102  
SGP, 102  
SHN, 103  
SLB, 103  
SLE, 104  
SLV, 104  
SMR, 105  
SOM, 105  
SRB, 106  
SSD, 106  
STP, 107  
SUR, 107  
SVK, 108  
SVN, 108  
SWE, 109  
SWZ, 109  
SXM, 110  
SYC, 110  
SYR, 111

TCA, 111  
TCD, 112  
TGO, 112  
THA, 113  
TJK, 113  
TKL, 114  
TKM, 114  
TLS, 115  
TON, 115  
TTO, 116  
TUN, 116  
TUR, 117  
TUV, 117  
TWN, 118  
TZA, 118

UGA, 119  
UKR, 119  
URY, 120  
USA, 120  
UZB, 121

VAT, 122  
VCT, 122  
VEN, 123  
VGB, 123

VIR, 124  
VNM, 124  
VUT, 125

WLF, 125  
WSM, 126

YEM, 126

ZAF, 127  
ZMB, 127  
ZWE, 128