

# Package ‘COVID19’

June 9, 2023

**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** ec8865dfd854026dff46d1e280a231c3190c02d

**GithubRepo** COVID19

**GithubUsername** covid19datahub

**GithubRef** HEAD

**GithubSHA1** ec8865dfd854026dff46d1e280a231c3190c02d

**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:** total vaccine doses 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	<i>Afghanistan</i>
-----	--------------------

---

**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	<i>Angola</i>
-----	---------------

---

**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	<i>Burundi</i>
-----	----------------

---

## 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	<i>Belgium</i>
-----	----------------

---

## 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:** total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

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

BOL

*Bolivia***Description**

Bolivia

**Usage**`BOL(level)`**Data Sources****Level 1:**

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

**Source**

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

BRA

*Brazil***Description**

Brazil

**Usage**`BRA(level, ...)`**Data Sources****Level 1:**

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

**Level 2:**

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

**Level 3:**

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

**Source**

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

---

BRB	<i>Barbados</i>
-----	-----------------

---

**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	<i>Brunei</i>
-----	---------------

---

**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, tests.
- **Our World in Data**: total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Level 2:**

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

**Source**

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

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*Congo (Brazzaville)*

---

**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*Cook Islands*

---

**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:** total vaccine doses 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**: total vaccine doses 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:** total vaccine doses 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

*Djibouti*

---

## 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	<i>Dominican Republic</i>
-----	---------------------------

---

**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	<i>Cruise Ship Diamond Princess</i>
-----	-------------------------------------

---

**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	<i>Algeria</i>
-----	----------------

---

**Description**

Algeria

**Usage**

DZA(level)

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

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

**Source**

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

---

ECU	<i>Ecuador</i>
-----	----------------

---

**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	<i>Micronesia</i>
-----	-------------------

---

**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	<i>Gabon</i>
-----	--------------

---

**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**: tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, patients requiring ventilation.
- **Johns Hopkins Center for Systems Science and Engineering**: confirmed cases, deaths, recovered.

**Level 2:**

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

**Level 3:**

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

**Source**

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

---

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>



---

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	<i>Iceland</i>
-----	----------------

---

**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	<i>Israel</i>
-----	---------------

---

**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.
- **Hirokazu Takaya:** confirmed cases, deaths, recovered, tests, total vaccine doses administered, people with at least one vaccine dose, people fully vaccinated, hospitalizations, intensive care.

**Level 2:**

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

**Source**

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

---

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.
- **Our World in Data:** tests, total vaccine doses 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	<i>Norway</i>
-----	---------------

---

**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	<i>Nepal</i>
-----	--------------

---

**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:** total vaccine doses 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

*Turkey***Description**

Turkey

**Usage**

TUR(level)

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

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

**Source**

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

TUV

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

---

**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	<i>United States</i>
-----	----------------------

---

**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	<i>Uzbekistan</i>
-----	-------------------

---

**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	<i>Zimbabwe</i>
-----	-----------------

---

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

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](#)