

COVID-19 related datasets

Local

COVID-19 Vaccination programme(HK)

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|--------------------|---|
| Publisher | Hong Kong government |
| Theme | Vaccination |
| Brief introduction | Vaccine doses administered (daily and accumulative) |
| data format | csv |
| Link | https://static.data.gov.hk/covid-vaccine/bar_vaccination_date.csv |
| data details | https://www.covidvaccine.gov.hk/en/dashboard |

Local

COVID-19 related datasets (HK)

| | |
|--------------------|---|
| Publisher | Hong Kong government |
| Theme | COVID-19 related data |
| Brief introduction | COVID-19 related information, including infections, death and case details |
| data format | csv |
| Link | https://static.data.gov.hk/covid-vaccine/bar_vaccination_date.csv |
| data details | https://www.covidvaccine.gov.hk/en/dashboard |

Local

Cases reported in China Mainland areas

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| Publisher | Hong Kong government |
| Theme | COVID-19 infections and death |
| Brief introduction | The areas in China Mainland have reported cases of COVID-19 |
| data format | csv |
| Link | http://www.chp.gov.hk/files/misc/areas_in_mainland_china_have_reported_cases_eng.csv |

data details http://www.chp.gov.hk/files/misc/areas_in_mainland_china_have_reported_cases_eng.csv

Vaccination

EU Vaccine Data

Publisher European Center for Disease Control and Prevention
Theme Vaccination
The downloadable data file contains information about the EU/EEA COVID-19 vaccination. The data is displayed in the vaccine tracker and collected through the European Surveillance System (TESSy).
Brief introduction EU/EEA member states are required to report basic indicators (vaccine doses distributed by manufacturers, first, second and unspecified doses) and national target group data twice a week (every Tuesday and Friday) .
data format xlsx, csv, json, xml
Link <https://www.ecdc.europa.eu/en/publications-data/data-covid-19-vaccination-eu-eea>
data details <https://www.ecdc.europa.eu/en/publications-data/data-covid-19-vaccination-eu-eea>

Vaccination

Launch & Scale Speedometer Data

Publisher Duke Global Health Innovation Center
Theme Vaccination
Brief introduction With the theme of vaccine fairness, it involves real-time data such as vaccine brand production and candidate procurement, orders, etc.
data format xlsx
Link <https://launchandscalefaster.org/COVID-19>
data details <https://launchandscalefaster.org/speedometer-data>

Vaccination

Owid Vaccine Data

| | |
|--------------------|---|
| Publisher | Our world in data |
| Theme | Vaccination |
| Brief introduction | Global COVID-19 vaccination data. The data is collected from relevant official websites in different countries. |
| data format | csv |
| Link | https://www.nature.com/articles/s41562-021-01122-8 |
| data details | https://www.nature.com/articles/s41562-021-01122-8 |

Vaccination

covid-19 treatment and vaccine tracker

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| Publisher | The Milken Institute |
| Theme | Vaccination |
| Brief introduction | Vaccine and treatment method experiment and efficacy tracking data, including the number of development stages, expected time, product information, clinical trials, etc. There are also archives of news reports about treatment methods and vaccine responses and effects in various countries. |
| data format | csv |
| Link | https://airtable.com/shrSAi6t5WFwqo3GM/tblEzPQS5fnc0FHfYR/viwDBH7b6FjmIBX5x?blocks=bipZFzhJ7wHPv7x9z |
| data details | https://airtable.com/shrSAi6t5WFwqo3GM/tblEzPQS5fnc0FHfYR/viwDBH7b6FjmIBX5x?blocks=bipZFzhJ7wHPv7x9z |

Vaccination

WHO Vaccine Data

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|--------------------|---|
| Publisher | World Health Organization |
| Theme | Vaccination |
| Brief introduction | Vaccination progress data in various countries, including daily and cumulative. |
| data format | csv |

Link <https://covid19.who.int/who-data/vaccination-data.csv>
data details <https://covid19.who.int/info>

Policy

CoronaNet

Publisher CoronaNet
Theme Policy
Brief introduction National and international epidemic-related policies of various countries can be downloaded after filtering by theme.
data format csv
Link <https://kubinec.shinyapps.io/coronanet/>
data details <https://kubinec.shinyapps.io/coronanet/>

Policy

Government response to the epidemic policy follow-up

Publisher Oxford University
Theme Policy
Brief introduction Policies of various countries in response to the epidemic
data format csv
Link <https://github.com/OxCGRT/covid-policy-tracker>
data details <https://www.bsg.ox.ac.uk/research/research-projects/covid-19-government-response-tracker>

Policy

CCCSL COVID-19 Measures Project Data

Publisher Zotero (subordinate to George Mason University)
Theme Policy
Brief introduction Data on the government's response to the COVID-19
data format json,bib,csv,ris
Link <https://github.com/amel-github/covid19-interventionmeasures>
data details <https://github.com/amel-github/covid19-interventionmeasures>

Policy

Hit-COVID

| | |
|--------------------|---|
| Publisher | Johns Hopkins University Bloomberg School of Public Health and Boston University |
| Theme | Policy |
| Brief introduction | Public health and social measures taken by governments of various countries to slow the spread of the epidemic. |
| data format | csv |
| Link | https://github.com/HopkinsIDD/hit-covid |
| data details | https://akuko.io/post/covid-intervention-tracking |

Epidemic

JHU Dataset

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|--------------------|---|
| Publisher | Johns Hopkins University Systems Science and Engineering Center |
| Theme | infection and death |
| Brief introduction | The data is collected from the official websites of governments and the Ministry of Health, including the number of cases and deaths in various regions of the world, and can be accurate to provinces, including provincial data in China. |
| data format | csv |
| Link | https://github.com/CSSEGISandData/COVID-19/tree/master/csse_covid_19_data |
| data details | https://github.com/CSSEGISandData/COVID-19 |

Epidemic

WHO Epidemic Data

| | |
|--------------------|---|
| Publisher | World Health Organization |
| Theme | infection and death |
| Brief introduction | The latest and cumulative number of infections and deaths in various countries |
| data format | csv |
| Link | https://covid19.who.int/WHO-COVID-19-global-data.csv |

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| | data details | https://covid19.who.int/info |
| Epidemic | Owid Epidemic Data | |
| | Publisher | Our world in data |
| | Theme | infection and death |
| | Brief introduction | The latest and cumulative number of infections and deaths in European countries |
| | data format | csv, xlsx, json |
| | Link | https://github.com/owid/covid-19-data/tree/master/public/data |
| | data details | https://github.com/owid/covid-19-data/tree/master/public/data |
| Epidemic | EU Epidemic Data | |
| | Publisher | European Center for Disease Control and Prevention |
| | Theme | infection and death |
| | Brief introduction | The latest and cumulative number of infections and deaths in European countries |
| | data format | xlsx,csv,json,xml |
| | Link | https://www.ecdc.europa.eu/en/publications-data/data-daily-new-cases-covid-19-eueea-country |
| | data details | https://www.ecdc.europa.eu/en/publications-data/data-daily-new-cases-covid-19-eueea-country |
| Viruses and treatments | GH Dataset | |
| | Publisher | Led by scholars from Oxford University, Harvard University, Northeastern University, Boston Children's Hospital, Georgetown University, Washington University, and Johns Hopkins University Health and Safety Center |
| | Theme | Viruses and treatments |

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| Brief introduction | Contains detailed information on more than 40 million anonymous cases from more than 100 countries. It aims to realize the rapid sharing of credible and open public health data to facilitate the response to infectious diseases. |
| data format | csv |
| Link | https://data.covid-19.global.health/cases |
| data details | https://global.health/ |

Viruses and treatments

CAS Antiviral Drug Candidate Data

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|--------------------|--|
| Publisher | American Chemical Society |
| Theme | viruses and treatments |
| Brief introduction | an open source dataset assembled from CAS REGISTRY® including known anti-viral drugs and related chemical compounds that are structurally similar to known antivirals. |
| data format | sdf |
| Link | https://cas.org/covid-19-antiviral-compounds-dataset#download |
| data details | https://www.cas.org/covid-19-antiviral-compounds-dataset |

Viruses and treatments

Microsoft COVID-19 Open Data

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| Publisher | Microsoft |
| Theme | viruses and treatments |
| Brief introduction | Full-text and metadata dataset of COVID-19 and coronavirus-related scholarly articles optimized for machine readability and made available for use by the global research community. |
| data format | json |

Link <https://docs.microsoft.com/zh-cn/azure/open-datasets/dataset-covid-19-open-research?tabs=azureml-opendatasets>
data details <https://docs.microsoft.com/zh-cn/azure/open-datasets/dataset-covid-19-open-research?tabs=azure-storage>

Viruses and treatments

TCIA COVID-19 Image Data

Publisher Cancer image file
Theme viruses and treatments
Brief introduction Medical imaging data of COVID-19 patients
data format csv, json, dicom
Link <https://wiki.cancerimagingarchive.net/display/Public/COVID-19>
data details <https://wiki.cancerimagingarchive.net/display/Public/COVID-19>

Viruses and treatments

EIBIR Covid-19 Image Data

Publisher Research organization founded by the European Society of Radiology
Theme viruses and treatments
Brief introduction The imaging data and clinical data of more than 1,000 patients from all over the world collected by the European Institute of Biomedical Imaging.
data format dicom, nifti, jpg, png
Link <https://www.eibir.org/covid-19-imaging-datasets/>
data details <https://www.eibir.org/covid-19-imaging-datasets/>

Viruses and treatments

Covid-chestxray Data

Publisher Machine Learning and Medicine Lab and Mila Medical
Theme viruses and treatments

Viruses and treatments

| | |
|--------------------|---|
| Brief introduction | Contains chest X-ray and CT images of patients who are positive or suspected of COVID-19 or other viral and bacterial pneumonias (MERS, SARS, and ARDS). Data will be collected from public sources and indirectly through hospitals and doctors. |
| data format | csv, png, json |
| Link | https://github.com/ieee8023/covid-chestxray-dataset/find/master |
| data details | https://github.com/ieee8023/covid-chestxray-dataset |

NextStrain

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| Publisher | NextStrain-an open-source project |
| Theme | viruses and treatments |
| Brief introduction | NextStrain is an open source database that collects global virus strains. It currently has more than 400 variants from multiple countries and is publicly available on GitHub. The project also provides a visualization tool for the relationship network diagram, using the phylogenetic tree method to study the process of virus mutation and infer the time of the first outbreak. |
| data format | json |
| Link | https://github.com/nextstrain/ncov |
| data details | https://nextstrain.org/sars-cov-2 |