Most data downloaded 12/10/2020

<http://covid19.trialstracker.net/>

http://trialstracker.net/

WHO International Clinical Trials Registry Platform (ICTRP)

<https://www.who.int/clinical-trials-registry-platform>

* covidDataset updated 12/4/2020 (7022) – includes most CT.gov data

all WHO data:

<https://www.who.int/ictrp/data/en/> - full set last updated 11/23/20 (672212 rows), but is updated weekly on Fridays(?)

\*\*It appears the WHO data contains the clinicaltrials.gov data, but CT.gov data may be more up to date (see below)

Article on issues to consider when using clinicaltrials.gov data: <https://www.bmj.com/content/361/bmj.k1452>

<https://aact.ctti-clinicaltrials.org/points_to_consider>

ClinicalTrials.gov

<https://www.clinicaltrials.gov/>

* <https://www.clinicaltrials.gov/ct2/results?cond=COVID-19> – ALL covid studies (4156)
* <https://clinicaltrials.gov/ct2/results/details?cond=COVID-19> – definition for covid studies
* <https://www.clinicaltrials.gov/ct2/results?cond=COVID-19&fund=0&fund=1> – Fed funded covid studies (subset from above, NIH, U.S. Federal, 135)
* <https://www.clinicaltrials.gov/ct2/who_table> - WHO covid studies (from ICTRP) (3121 – no download button, but could webscrape)

CTTI (AACT):

* <https://aact.ctti-clinicaltrials.org/covid_19>

The AACT database is updated every night at midnight, so the information in AACT is one day behind that which appears in ClinicalTrials.gov.

From: <https://clinicaltrials.gov/ct2/about-site/history> -

## 2006: World Health Organization Establishes Trial Registration Policy

In 2006 the World Health Organization (WHO) stated that all clinical trials should be registered, and it identified a [minimum trial registration dataset of 20 items](http://www.who.int/ictrp/network/trds/en/index.html). In 2007 WHO launched the International Clinical Trials Registry Platform (ICTRP), which includes a [search portal](http://www.who.int/ictrp/search/en/) providing a single point of access to studies registered in various international registries. The ICTRP Search Portal includes data available on ClinicalTrials.gov.

* WHO: [International Clinical Trials Registry Platform](http://www.who.int/ictrp/en/)

**Covid case stats:**

WHO covid dashboard: <https://covid19.who.int/>

Use this to break out regions?

Also this: <https://worldhealthorg.shinyapps.io/covid/>

<https://coronavirus.jhu.edu/map.html>

<https://www.worldometers.info/coronavirus/?utm_campaign=homeAdvegas1>?

<https://ourworldindata.org/coronavirus-data>

<https://www.cnn.com/interactive/2020/health/coronavirus-maps-and-cases/>

<https://www.ecdc.europa.eu/en/publications-data/download-data-hospital-and-icu-admission-rates-and-current-occupancy-covid-19> - europe only

FDA Guidance document:

<https://www.fda.gov/media/136238/download>

**CT dataframes:**

* ct\_whole (CT\_from\_python) – all records with some of the below tables joined and some manipulation
* ct\_covid – dataset from clinicaltrials that they have determined is covid only
* ct\_no\_covid (ct\_no\_covid\_from\_python) – ct\_whole with studies from ct\_covid removed
* interventions
* conditions
* countries – what does “removed” mean?
* sponsors - joined “lead” sponsors to main set
* calculated\_values – joined with main set

**WHO dataframes:**

* WHO\_all (WHO\_from\_python ) – all records from WHO including added weeks, with some manipulation
* WHO\_covid (WHO\_covid\_from\_python) – dataset from WHO that they determined is covid only
* WHO\_no\_covid (WHO\_no\_covid\_from\_python) – WHO\_all with studies from WHO\_covid removed

\*also exported WHO\_all to excel (WHO\_from\_python.xlsx) to make more manageable data to import to powerBI or Tableau (seemed to keep date formats better than csv)

Final Datasets used:

<https://clinicaltrials.gov/ct2/results?cond=COVID-19> – COVID only dataset, last updated ….

|  |  |
| --- | --- |
| **COVID-19** | 4,312 studies |
| COVID | 4,238 studies |
| SARS-CoV-2 | 1,441 studies |
| severe acute respiratory syndrome coronavirus 2 | 140 studies |
| 2019-nCoV | 43 studies |
| 2019 novel coronavirus | 38 studies |
| Wuhan coronavirus | 1 studies |

<https://aact.ctti-clinicaltrials.org/snapshots> - CTTI AACT database (relational database copy of entire clinicaltrials.gov database (<https://aact.ctti-clinicaltrials.org/>)

<https://ourworldindata.org/covid-cases> - our world in data

Add to resources slide:

<https://www.coronavirus.gov/>

<https://coronavirus.jhu.edu/>