

COVID State-level Dataset (13999 observations & 42 variables)

Source: [Data Download](#)

Metadata: [Data Definitions](#)

Inspiration: The COVID19 pandemic is one of the most poignant events of this century. Furthermore, misinformation about this pandemic has been rampant from even the highest levels of government. We wish to perform an independent analysis of this data in order to elucidate the true impact of this disease on our country, while highlighting variation between states.

Variables:

date:

Date on which data was collected by The COVID Tracking Project

State:

Two-letter abbreviation for the state or territory

dataQualityGrade:

The COVID Tracking Project grade of the completeness of the data reporting by a state

Death:

Total fatalities with confirmed OR probable COVID-19 case diagnosis (per the expanded CSTE case definition of April 5th, 2020 approved by the CDC).

deathConfirmed:

Total fatalities with confirmed COVID-19 case diagnosis (per the expanded

CSTE

case definition of April 5th, 2020 approved by the CDC).

deathIncrease:

Daily increase in death, calculated from the previous day's value.

deathProbable:

Total fatalities with probable COVID-19 case diagnosis (per the expanded CSTE case definition of April 5th, 2020 approved by the CDC).

hospitalizedCumulative:

Total number of individuals who have ever been hospitalized with COVID-19.

hospitalizedCurrently:

Individuals who are currently hospitalized with COVID-19.

hospitalizedIncrease:

Daily increase in *hospitalizedCumulative*, calculated from the previous day's value.

inIcuCumulative:

Total number of individuals who have ever been hospitalized in the Intensive Care Unit with COVID-19.

inIcuCurrently:

Individuals who are currently hospitalized in the Intensive Care Unit with COVID-19.

negative

Total number of unique people with a completed PCR test that returns negative
negativeIncrease

The daily increase in API field negative, which measures Cases (confirmed plus probable) calculated based on the previous day's value

negativeTestsAntibody

The total number of completed antibody tests that return negative as reported by the state or territory

negativeTestsPeopleAntibody

The total number of unique people with completed antibody tests that return negative as reported by the state or territory

negativeTestsViral

Total number of completed PCR tests (or specimens tested) that return negative as reported by the state or territory

onVentilatorCumulative

Total number of individuals who have ever been hospitalized under advanced ventilation with COVID-19

onVentilatorCurrently

Individuals who are currently hospitalized under advanced ventilation with COVID-19

positive

Total number of confirmed plus probable cases of COVID-19 reported by the state or territory, ideally per the August 5, 2020 CSTE case definition

positiveCasesViral

Total number of unique people with a positive PCR or other approved nucleic acid amplification test (NAAT), as reported by the state or territory

positiveIncrease

The daily increase in API field positive, which measures Cases (confirmed plus probable) calculated based on the previous day's value

positiveTestsAntibody

Total number of completed antibody tests that return positive as reported by the state or territory

positiveTestsAntigen

Total number of completed antigen tests that return positive as reported by the state or territory

positiveTestsPeopleAntibody

The total number of unique people with completed antibody tests that return positive as reported by the state or territory

positiveTestsPeopleAntigen

Total number of unique people with a completed antigen test that returned positive as reported by the state or territory

positiveTestsViral

Total number of completed PCR tests (or specimens tested) that return positive as reported by the state or territory

recovered

Total number of people that are identified as recovered from COVID-19. States provide very disparate definitions on what constitutes a “recovered” COVID-19 case

totalTestEncountersViral

Total number of people tested per day via PCR testing as reported by the state or territory

totalTestEncountersViralIncrease

The daily increase in API field totalTestEncountersViralIncrease, which measures total number of people tested per day via PCR testing as reported by the state or territory

totalTestResults

At the national level, this metric is a summary statistic which—because it sums figures from states reporting tests in test encounters with those reporting tests in specimens and in people—is an aggregate calculation of heterogeneous figures

totalTestResultsIncrease

Daily increase in totalTestResults, calculated from the previous day’s value

totalTestsAntibody

Total number of completed antibody tests as reported by the state or territory

totalTestsAntigen

Total number of completed antigen tests, as reported by the state or territory

totalTestsPeopleAntibody

The total number of unique people who have been tested at least once via antibody testing as reported by the state or territory

totalTestsPeopleAntigen

Total number of unique people who have been tested at least once via antigen testing, as reported by the state or territory

totalTestsPeopleViral

Total number of unique people tested at least once via PCR testing, as reported by the state or territory

totalTestsPeopleViralIncrease

Miles Tweed, Steven Spielman, Julian Palazzo

Total number of unique people tested at least once via PCR testing, as reported by the state or territory

totalTestsViral

Total number of PCR tests (or specimens tested) as reported by the state or territory

totalTestsViralIncrease

Total number of people tested *per day* via PCR testing as reported by the state or territory

* All columns are numeric (integer) besides “date”, “state” (categorical), and “dataQualityGrade” *