# Bing: COVID-19 Tracker

Reports: <https://www.bing.com/covid/local/unitedstates>

Data: <https://github.com/microsoft/Bing-COVID-19-Data>

Bing COVID-19 data includes confirmed, fatal, and recovered cases from all regions, updated daily in a .csv file. If there is an update or correction to already-published data, the data file will be updated accordingly. To ensure the stability of the data we share, it will be released with a 24-hour delay.

## Column descriptions

| **Column header** | **Description** |
| --- | --- |
| ID | Unique identifier |
| Updated | Datetime in UTC |
| Confirmed | Confirmed case count for the region |
| ConfirmedChange | Change of confirmed case count from the previous day |
| Deaths | Death case count for the region |
| DeathsChange | Change of death count from the previous day |
| Recovered | Recovered count for the region |
| RecoveredChange | Change of recovered case counts from the previous day |
| Latitude | Latitude of the centroid of the region |
| Longitude | Longitude of the centroid of the region |
| ISO2 | 2 letter country code identifier |
| ISO3 | 3 letter country code identifier |
| Country\_Region | Country/region |
| AdminRegion1 | Region within Country\_region |
| AdminRegion2 | Region within AdminRegion1 |

# The Atlantic: The COVID Tracking Project

Reports: <https://covidtracking.com/>

Data: <https://covidtracking.com/data>

Overlaps the Bing dataset but includes these additional data points. Granularity is by state by day.

* Currently hospitalized
* Cumulative hospitalized
* Currently in ICU
* Cumulative in ICU
* Currently on ventilator
* Cumulative on ventilator

## Field Descriptions

### checkTimeEt

Field type:string

Deprecated

### commercialScore

Field type:integer

Deprecated

Returns null if no data is available

### dataQualityGrade

Field type:string

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

### date

Field type:integer

Date on which data was collected by The COVID Tracking Project.

### dateChecked

Field type:string

Deprecated

### dateModified

Field type:string

Deprecated, use lastUpdateEt instead

### death

Field type:integer

Total fatalities with confirmed OR probable COVID-19 case diagnosis (per the expanded [CSTE case definition](https://cdn.ymaws.com/www.cste.org/resource/resmgr/2020ps/Interim-20-ID-01\_COVID-19.pdf) of April 5th, 2020 [approved by the CDC](https://wwwn.cdc.gov/nndss/conditions/coronavirus-disease-2019-covid-19/case-definition/2020/)). In states where the information is available, it only tracks fatalities with confirmed OR probable COVID-19 case diagnosis where COVID-19 is an underlying cause of death according to the death certificate based on [WHO guidelines](https://www.who.int/classifications/icd/Guidelines\_Cause\_of\_Death\_COVID-19.pdf?ua=1).

Returns null if no data is available

### deathConfirmed

Field type:integer

Total fatalities with confirmed COVID-19 case diagnosis (per the expanded [CSTE case definition](https://cdn.ymaws.com/www.cste.org/resource/resmgr/2020ps/Interim-20-ID-01\_COVID-19.pdf) of April 5th, 2020 [approved by the CDC](https://wwwn.cdc.gov/nndss/conditions/coronavirus-disease-2019-covid-19/case-definition/2020/)). In states where the information is available, it only tracks fatalities with confirmed COVID-19 case diagnosis where COVID-19 is an underlying cause of death according to the death certificate based on [WHO guidelines](https://www.who.int/classifications/icd/Guidelines\_Cause\_of\_Death\_COVID-19.pdf?ua=1).

Returns null if no data is available

### deathIncrease

Field type:integer

Daily difference in death

Returns null if no data is available

### deathProbable

Field type:integer

Total fatalities with probable COVID-19 case diagnosis (per the expanded [CSTE case definition](https://cdn.ymaws.com/www.cste.org/resource/resmgr/2020ps/Interim-20-ID-01\_COVID-19.pdf) of April 5th, 2020 [approved by the CDC](https://wwwn.cdc.gov/nndss/conditions/coronavirus-disease-2019-covid-19/case-definition/2020/)). In states where the information is available, it only tracks fatalities with confirmed OR probable COVID-19 case diagnosis where COVID-19 is an underlying cause of death according to the death certificate based on [WHO guidelines](https://www.who.int/classifications/icd/Guidelines\_Cause\_of\_Death\_COVID-19.pdf?ua=1).

Returns null if no data is available

### fips

Field type:string

Federal Information Processing Standards (FIPS) code for the state or territory.

### grade

Field type:string

Deprecated

### hash

Field type:string

Deprecated - A hash of the current record.

### hospitalized

Field type:integer

Deprecated

Returns null if no data is available

### hospitalizedCumulative

Field type:integer

Total number of individuals who have ever been hospitalized with COVID-19. Definitions vary by state / territory. Where possible, we report hospitalizations with confirmed or probable COVID-19 cases per the expanded [CSTE case definition](https://cdn.ymaws.com/www.cste.org/resource/resmgr/2020ps/Interim-20-ID-01\_COVID-19.pdf) of April 5th, 2020 [approved by the CDC](https://wwwn.cdc.gov/nndss/conditions/coronavirus-disease-2019-covid-19/case-definition/2020/).

Returns null if no data is available

### hospitalizedCurrently

Field type:integer

Individuals who are currently hospitalized with COVID-19. Definitions vary by state / territory. Where possible, we report hospitalizations with confirmed or probable COVID-19 cases per the expanded [CSTE case definition](https://cdn.ymaws.com/www.cste.org/resource/resmgr/2020ps/Interim-20-ID-01\_COVID-19.pdf) of April 5th, 2020 [approved by the CDC](https://wwwn.cdc.gov/nndss/conditions/coronavirus-disease-2019-covid-19/case-definition/2020/).

Returns null if no data is available

### hospitalizedIncrease

Field type:integer

Daily difference in hospitalized

Returns null if no data is available

### inIcuCumulative

Field type:integer

Total number of individuals who have ever been hospitalized in the Intensive Care Unit with COVID-19. Definitions vary by state / territory. Where possible, we report patients in the ICU with confirmed or probable COVID-19 cases per the expanded [CSTE case definition](https://cdn.ymaws.com/www.cste.org/resource/resmgr/2020ps/Interim-20-ID-01\_COVID-19.pdf) of April 5th, 2020 [approved by the CDC](https://wwwn.cdc.gov/nndss/conditions/coronavirus-disease-2019-covid-19/case-definition/2020/).

Returns null if no data is available

### inIcuCurrently

Field type:integer

Individuals who are currently hospitalized in the Intensive Care Unit with COVID-19. Definitions vary by state / territory. Where possible, we report patients in the ICU with confirmed or probable COVID-19 cases per the expanded [CSTE case definition](https://cdn.ymaws.com/www.cste.org/resource/resmgr/2020ps/Interim-20-ID-01\_COVID-19.pdf) of April 5th, 2020 [approved by the CDC](https://wwwn.cdc.gov/nndss/conditions/coronavirus-disease-2019-covid-19/case-definition/2020/).

Returns null if no data is available

### lastUpdateEt

Field type:string

Date and time in Eastern time the state or territory last updated the data.

### negative

Field type:integer

Individuals with a completed viral test that returned a negative result. For states / territories that do not report this number directly, we compute it using one of several methods, depending on which data points the state provides.

Returns null if no data is available

### negativeIncrease

Field type:integer

Deprecated

Returns null if no data is available

### negativeRegularScore

Field type:integer

Deprecated

Returns null if no data is available

### negativeScore

Field type:integer

Deprecated

Returns null if no data is available

### negativeTestsViral

Field type:integer

Completed viral tests that returned negative results.

Returns null if no data is available

### onVentilatorCumulative

Field type:integer

Total number of individuals who have ever been hospitalized under advanced ventilation with COVID-19. Definitions vary by state / territory. Where possible, we report patients on ventilation with confirmed or probable COVID-19 cases per the expanded [CSTE case definition](https://cdn.ymaws.com/www.cste.org/resource/resmgr/2020ps/Interim-20-ID-01\_COVID-19.pdf) of April 5th, 2020 [approved by the CDC](https://wwwn.cdc.gov/nndss/conditions/coronavirus-disease-2019-covid-19/case-definition/2020/).

Returns null if no data is available

### onVentilatorCurrently

Field type:integer

Individuals who are currently hospitalized under advanced ventilation with COVID-19. Definitions vary by state / territory. Where possible, we report patients on ventilation with confirmed or probable COVID-19 cases per the expanded [CSTE case definition](https://cdn.ymaws.com/www.cste.org/resource/resmgr/2020ps/Interim-20-ID-01\_COVID-19.pdf) of April 5th, 2020 [approved by the CDC](https://wwwn.cdc.gov/nndss/conditions/coronavirus-disease-2019-covid-19/case-definition/2020/).

Returns null if no data is available

### pending

Field type:integer

Tests whose results have not yet been reported.

Returns null if no data is available

### posNeg

Field type:integer

Deprecated

Returns null if no data is available

### positive

Field type:integer

Individuals with confirmed or probable COVID-19 per the expanded [CSTE case definition](https://cdn.ymaws.com/www.cste.org/resource/resmgr/2020ps/Interim-20-ID-01\_COVID-19.pdf) of April 5th, 2020 [approved by the CDC](https://wwwn.cdc.gov/nndss/conditions/coronavirus-disease-2019-covid-19/case-definition/2020/).

Returns null if no data is available

### positiveCasesViral

Field type:integer

Individuals with a completed viral test that returned a positive result.

Returns null if no data is available

### positiveIncrease

Field type:integer

Increase in \*positive\* computed by subtracting the value of \*positive\* from the previous day from the value of \*positive\* for the current day.

Returns null if no data is available

### positiveScore

Field type:integer

Deprecated

Returns null if no data is available

### positiveTestsViral

Field type:integer

Completed viral tests that returned positive results.

Returns null if no data is available

### recovered

Field type:integer

Individuals who have recovered from COVID-19. Definitions vary by state / territory.

Returns null if no data is available

### score

Field type:integer

Deprecated

Returns null if no data is available

### state

Field type:string

Two-letter abbreviation for the state or territory.

### total

Field type:integer

Deprecated

Returns null if no data is available

### totalTestResults

Field type:integer

Where possible, we report total tests in units of people tested, rather than units of specimens tested. Currently computed by adding \_positive\_ and \_negative\_ values because some states do not report totals and to work around different reporting cadences for cases and tests.

Returns null if no data is available

### totalTestResultsIncrease

Field type:integer

Daily Difference in totalTestResults

Returns null if no data is available

### totalTestsViral

Field type:integer

Completed viral tests.

Returns null if no data is available