



COVID-19 Case Surveillance Public Use Data

Case Surveillance

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API



This case surveillance public use dataset has 12 elements for all COVID-19 cases shared with CDC and includes demographics, any exposure history, disease severity indicators and outcomes, presence of any underlying medical conditions and risk behaviors, and no geographic data.

CDC has three COVID-19 case surveillance datasets:

- [COVID-19 Case Surveillance Public Use Data with Geography](#): Public use, patient-level dataset with clinical data (including symptoms), demographics, and county and state of residence. (19 data elements)
- [COVID-19 Case Surveillance Public Use Data](#): Public use, patient-level dataset with clinical and symptom data and demographics, with no geographic data. (12 data elements)
- [COVID-19 Case Surveillance Restricted Access Detailed Data](#): Restricted access, patient-level dataset with clinical and symptom data, demographics, and state and county of residence. Access requires a registration process and a data

use agreement. (32 data elements)

The following apply to all three datasets:

- Data elements can be found on the COVID-19 case report form located at www.cdc.gov/coronavirus/2019-ncov/downloads/pui-form.pdf.
- Data are considered provisional by CDC and are subject to change until the data are reconciled and verified with the state and territorial data providers.
- Some data cells are suppressed to protect individual privacy.
- The datasets will include all cases with the earliest date available in each record (date received by CDC or date related to illness/specimen collection) at least 14 days prior to the creation of the previously updated datasets. This 14-day lag allows case reporting to be stabilized and ensures that time-dependent outcome data are accurately captured.
- Datasets are updated monthly.
- Datasets are created using CDC's operational Policy on Public Health Research and Nonresearch Data Management and Access and include protections designed to protect individual privacy.
- For more information about data collection and reporting, please see <https://wwwn.cdc.gov/nndss/data-collection.html>
- For more information about the COVID-19 case surveillance data, please see <https://www.cdc.gov/coronavirus/2019-ncov/covid-data/faq-surveillance.html>

Overview

The COVID-19 case surveillance database includes individual-level data reported to U.S. states and autonomous reporting entities, including New York City and the District of Columbia (D.C.), as well as U.S. territories and affiliates. On April 5, 2020, COVID-19 was added to the [Nationally Notifiable Condition List](#) and classified as “immediately notifiable, urgent (within 24 hours)” by a Council of State and Territorial Epidemiologists (CSTE) Interim Position Statement (Interim-20-ID-01). CSTE updated the position statement on August 5, 2020 to clarify the interpretation of antigen detection tests and serologic test results within the case classification. The statement also recommended that all states and territories enact laws to make COVID-19 reportable in their jurisdiction, and that jurisdictions conducting surveillance should submit case notifications to CDC. COVID-19 case surveillance data are collected by jurisdictions and reported voluntarily to CDC.

For more information:

www.cdc.gov/nndss/conditions/coronavirus-disease-2019-covid-19/case-definition/2020/08/05/.

The deidentified data in the “COVID-19 Case Surveillance Public Use Data” include demographic characteristics, any exposure history, disease severity indicators and outcomes, clinical data, laboratory diagnostic test results, and presence of any underlying medical conditions and risk behaviors. All data elements can be found on the COVID-19 case report form located at www.cdc.gov/coronavirus/2019-ncov/downloads/pui-form.pdf.

COVID-19 Case Reports

COVID-19 case reports have been routinely submitted using a nationally standardized case reporting forms. On April 5, 2020, CSTE released an Interim Position Statement with national surveillance case definitions for COVID-19 included. Current versions of these case definitions are available here:

<https://wwwn.cdc.gov/nndss/conditions/coronavirus-disease-2019-covid-19/>.

All cases reported on or after were requested to be shared by public health departments to CDC using the standardized case definitions for laboratory-confirmed or probable cases. On May 5, 2020, the standardized case reporting form was revised. Case reporting using this new form is ongoing among U.S. states and territories.

Data are Considered Provisional

- The COVID-19 case surveillance data are dynamic; case reports can be modified at any time by the jurisdictions sharing COVID-19 data with CDC. CDC may update prior cases shared with CDC based on any updated information from jurisdictions. For instance, as new information is gathered about previously reported cases, health departments provide updated data to CDC. As more information and data become available, analyses might find changes in surveillance data and trends during a previously reported time window. Data may also be shared late with CDC due to the volume of COVID-19 cases.

- Annual finalized data: To create the final NNDSS data used in the annual tables, CDC works carefully with the reporting jurisdictions to reconcile the data received during the year until each state or territorial epidemiologist confirms that the data from their area are correct.

Data Limitations

To learn more about the limitations in using case surveillance data, visit [FAQ: COVID-19 Data and Surveillance](#).

Data Quality Assurance Procedures

CDC's Case Surveillance Section routinely performs data quality assurance procedures (i.e., ongoing corrections and logic checks to address data errors). To date, the following data cleaning steps have been implemented:

- Questions that have been left unanswered (blank) on the case report form are reclassified to a Missing value, if applicable to the question. For example, in the question "Was the individual hospitalized?" where the possible answer choices include "Yes," "No," or "Unknown," the blank value is recoded to Missing because the case report form did not include a response to the question.
- Logic checks are performed for date data. If an illogical date has been provided, CDC reviews the data with the reporting jurisdiction. For example, if a symptom onset date in the future is reported to CDC, this value is set to null until the reporting jurisdiction updates the date appropriately.
- Additional data quality processing to recode free text data are ongoing. Data on symptoms, race and ethnicity, and healthcare worker status have been prioritized.

Data Suppression

To prevent release of data that could be used to identify people, data cells are suppressed for low frequency (<5) records and indirect identifiers (e.g., date of first positive specimen). Suppression includes rare combinations of demographic characteristics (sex, age group, race/ethnicity). Suppressed values are re-coded to the NA answer option; records with data suppression are never removed.

**For questions, please contact Ask SRRG
(eocevent394@cdc.gov).**

Additional COVID-19 Data

COVID-19 data are available to the public as summary or aggregate count files, including total counts of cases and deaths by state and by county. These and other COVID-19 data are available from multiple public locations: [COVID Data Tracker](#); [United States COVID-19 Cases and Deaths by State](#); [COVID Data Tracker Weekly Review](#); [COVID-19 Surveillance and Data Analytics](#); [COVID-19 Vaccination Reporting Data Systems](#); and [COVID-19 Death Data and Resources](#).

[Less](#)

Updated March 23, 2021

Data Provided by CDC Case Surveillance Task Force

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External Content

CDC is working with states to pro

About this Dataset

Mute Dataset

Updated

March 23, 2021

Data Last Updated

February 28, 2021

Metadata Last Updated

March 23, 2021

Date Created

May 15, 2020

Views

759K

Downloads

36.2K

Data Provided by

CDC Case Surveillance Task Force

Dataset Owner

Data.CDC.gov Administrator

Contact Dataset Owner

Common Core

| | |
|--------------------|---|
| Publisher | CDC |
| Contact Name | Surveillance Review and Response Group |
| Contact Email | eocevent394@cdc.gov |
| Suggested Citation | Centers for Disease Control and Prevention, COVID-19 Response. COVID-19 Case Surveillance Public Data Access, Summary, and Limitations (version date: February 28, 2021). |
| Bureau Code | 009:20 |
| Program Code | 009:020 |

Data Quality

| | |
|------------------------|-----------------------|
| Geographic Coverage | US |
| Temporal Applicability | 2020-01-01/2021-02-13 |
| Update Frequency | Monthly |

Topics

| | |
|----------|---|
| Category | Case Surveillance |
| Tags | covid-19 , cases , surveillance , covid , covid19 , coronavirus |

Licensing and Attribution

























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|-------------|---|
| License | Public Domain U.S. Government |
| Source Link | https://www.cdc.gov/coronavirus/2019-ncov/cases-updates/index.html |

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What's in this Dataset?

| | | |
|--------------|-----------|-----------------------------|
| Rows | Columns | Each row is a |
| 20.6M | 12 | Deidentified Patient |

Columns in this Dataset

| Column Name | Description | Type |
|---|--|---|
| cdc_case_earliest_dt | Calculated date--the earliest available date... | Date & Time   |
| cdc_report_dt | Calculated date representing initial date ca... | Date & Time   |
| pos_spec_dt | Date of first positive specimen collection | Date & Time   |
| onset_dt | Symptom onset date, if symptomatic | Date & Time   |
| current_status | Case Status: Laboratory-confirmed case; P... | Plain Text   |
| sex | Sex: Male; Female; Unknown; Other | Plain Text   |
| age_group | Age Group: 0 - 9 Years; 10 - 19 Years; 20 - 3... | Plain Text   |
| race_ethnicity_combined | Race and ethnicity (combined): Hispanic/L... | Plain Text   |
| hosp_yn | Hospitalization status | Plain Text   |
| icu_yn | ICU admission status | Plain Text   |
| death_yn | Death status | Plain Text   |
| medcond_yn | Presence of underlying comorbidity or dis... | Plain Text   |

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Table Preview

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| cdc_c... | cdc_r... | pos_s... | onse... | curre... | sex | age_... | race_... | hosp... |
|------------|------------|------------|------------|--------------|---------|-------------|--------------|---------|
| 2020/01/01 | 2021/01/31 | 2020/01/01 | | Laborator... | Female | 0 - 9 Years | Unknown | Missing |
| 2020/01/01 | 2021/02/02 | 2020/01/01 | | Laborator... | Male | 0 - 9 Years | Unknown | Missing |
| 2020/01/02 | 2021/01/27 | 2020/01/02 | | Laborator... | Male | 0 - 9 Years | Unknown | Missing |
| 2020/01/02 | 2021/02/02 | 2020/01/02 | | Laborator... | Male | 0 - 9 Years | Unknown | Missing |
| 2021/01/01 | 2020/01/03 | 2020/01/03 | 2021/01/01 | Laborator... | Male | 0 - 9 Years | White, No... | No |
| 2020/06/13 | 2021/02/02 | 2020/01/04 | | Laborator... | Female | 0 - 9 Years | Unknown | Missing |
| 2020/01/04 | 2021/02/02 | 2020/01/04 | | Laborator... | Female | 0 - 9 Years | Unknown | Missing |
| 2020/01/04 | 2021/02/02 | 2020/01/04 | | Laborator... | Female | 0 - 9 Years | Unknown | Missing |
| 2020/01/04 | 2021/02/02 | 2020/01/04 | | Laborator... | Male | 0 - 9 Years | Unknown | Missing |
| 2020/01/04 | 2021/02/02 | 2020/01/04 | | Laborator... | Male | 0 - 9 Years | Unknown | Missing |
| 2021/01/05 | 2021/01/10 | 2020/01/05 | 2021/01/05 | Laborator... | Unknown | 0 - 9 Years | Unknown | No |
| 2021/01/08 | 2021/02/19 | 2020/01/08 | 2021/01/08 | Laborator... | Female | 0 - 9 Years | White, No... | No |
| 2020/01/12 | 2021/01/27 | 2020/01/12 | | Laborator... | Female | 0 - 9 Years | Unknown | Missing |
| 2021/01/14 | 2021/02/23 | 2020/01/14 | 2021/01/14 | Laborator... | Male | 0 - 9 Years | Black, No... | Unknow |


< Previous [Next >](#)

Showing Deidentified Patients 1 to 14 out of 20,565,345

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March 23,
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23.9K Views



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