COVID-19 Public Use Data Definitions

Data Disclaimer

All results (both positive and negative) from diagnostic, confirmatory tests (for example, molecular, PCR or nucleic acid amplification tests [NAAT]) that detect the RNA of the SARS-CoV-2 virus that causes COVID-19 for Wisconsin residents are reportable to the Wisconsin Department of Health Services (DHS). Positive results, but not negative results, from diagnostic, rapid tests (for example, SARS-CoV-2 antigen) are also reportable. This information is entered, either electronically or manually, into the Wisconsin Electronic Disease Surveillance System (WEDSS).

The data included in this file are from WEDSS. The data included for each day (unless noted otherwise) are the cumulative number of Wisconsin residents with "confirmed" and "probable" cases of COVID-19. The case definition for COVID-19 is defined by the Centers for Disease Control and Prevention (CDC) and the Council of State and Territorial Epidemiologists [https://ndc.services.cdc.gov/case-definitions/coronavirus-disease-2019-2021/]. Confirmed cases are those that had positive diagnostic, confirmatory test results detecting SARS-CoV-2 RNA (also called molecular tests). Prior to October 1, 2021, if a person had more than one positive result with this kind of test, they were counted as a confirmed case only once.

Probable cases are those cases that are not positive by a confirmatory laboratory test method (for example, PCR or other molecular test), but have met one of the following:
a) have a positive test result using an antigen test method
b) have symptoms of COVID-19 AND known exposure to COVID-19 (for example, being a close contact of someone who was diagnosed with COVID-19) and no molecular or antigen test was performed or
c) have COVID-19 or SARS-CoV-2 is listed on the death certificate.

Prior to and after October 1, 2021, rarely, a probable case can be reported more than once depending on how the person meets the case definition (e.g., if a person was a symptomatic close contact of a confirmed or probable COVID-19 case but was never tested during their illness).

Beginning on October 1, 2021, due to the updated CDC case definition, a person may be reported as a confirmed or probable case more than once if they have more than one positive molecular or antigen tests that are more than 90 days apart.

These data include information for Wisconsin residents only; however, data does include those who resided in Wisconsin for a period of time, such as college students.

Antibody test results are not included in this file. Antigen tests are not included in this file within test-related measures (since negative antigen test results are not reportable); however, people with positive antigen test results are included in probable case-related measures.

The data reported each day include all case reports created through the date in the DATE data field. The data are then frozen daily early in the morning to provide a snapshot of the data as of a consistent time each day. These numbers are the official DHS numbers. Counties may report their own totals independent of DHS. Combining the DHS and local totals may result in inaccurate totals. Data on county websites may be based on snapshots of WEDSS data taken at a different time from DHS's snapshot. As a result, the numbers on county websites and DHS's website may differ.

These data are subject to change. As individual cases are investigated by public health, there may be corrections to the status and details of cases that result in changes to this information.

Deaths must be reported by health care providers, medical examiners/coroners, and recorded by local health departments in order to be counted.

Status Flag Values

-999: Census tracts, municipalities, school districts, and zip codes with 0–4 aggregate counts for any data have been suppressed. County data with 0-4 aggregate counts by demographic factors (e.g., by age group, race, ethnicity) have been suppressed.

General Data Field Descriptions

GEOID: Identification codes for each unique statistical geographic area for which the data is tabulated. GEOIDs are made up of Federal Information Processing Series (FIPS) codes from the U.S. Census Bureau.

GEO: General description of geographic boundary type.

NAME: Name of the geographic boundary.

DATE: Date and time that the data was last updated. These data include cases reported through DATE and earlier. DATE is in Coordinated Universal Time (UTC).

RptDt: Date and time that the data was published. These data include cases reported the previous day and earlier. RptDt is in Coordinated Universal Time (UTC).

Rolling 7-Day Averages of Case-, Death-, and Test-Related Measures

POS_7DAYAVG_CP: Rolling 7-day average of POS_NEW_CP, the number of people who had confirmed or probable cases of COVID-19 newly reported since the previous day.

POS_7DAYAVG_CONF: Rolling 7-day average of POS_NEW_CONF, the number of people who had confirmed cases of COVID-19 newly reported since the previous day.

POS_7DAYAVG_PROB: Rolling 7-day average of POS_NEW_PROB, the number of people who had probable cases of COVID-19 newly reported since the previous day.

DTH_7DAYAVG_CP: Rolling 7-day average of DTH_NEW_CP, the number of people who had confirmed or probable cases of COVID-19 and died from COVID-19 related causes newly reported since the previous day, and if date of death occurred within 30 days of being reported.

DTH_7DAYAVG_CONF: Rolling 7-day average of DTH_NEW_CONF, the number of people who had confirmed cases of COVID-19 and died from COVID-19 related causes newly reported since the previous day, and if date of death occurred within 30 days of being reported.

DTH_7DAYAVG_PROB: Rolling 7-day average of DTH_NEW_PROB, the number of people who had probable cases of COVID-19 and died from COVID-19 related causes newly reported since the previous day, and if date of death occurred within 30 days of being reported.

TESTS_7DAYAVG: Rolling 7-day average of TESTS_NEW, the number of diagnostic, confirmatory test results for COVID-19 (molecular, PCR or NAAT test to detect SARS-CoV-2 RNA) newly reported, by the date the testing lab reported the test result. Because the number of people with test results includes only Wisconsin residents who had test results reported electronically to DHS, TEST_NEW underestimates the total number of confirmatory tests. If a person has a diagnostic, confirmatory test more than once, they are included and counted in this measure each time they are tested.

TESTS_7DAYAVG_POS_CONF: Rolling 7-day average of TESTS_POS_CONF_NEW, the number of positive diagnostic, confirmatory test results for COVID-19 (molecular, PCR or NAAT test to detect SARS-CoV-2 RNA) newly reported, by the date the testing lab reported the test result. Because the number of people with positive confirmatory test results includes only Wisconsin residents who had test results reported electronically to DHS, TESTS_POS_CONF_NEW underestimates the total number of positive confirmatory tests. If a person has a positive diagnostic, confirmatory test more than once, they are included and counted in this measure each time they are tested.

Number of SARS-CoV-2 RNA Tests

TESTS_CUM: Cumulative total number of diagnostic, confirmatory test results for COVID-19 (molecular, PCR or NAAT test to detect SARS-CoV-2 RNA). Because the number of people with test results includes only Wisconsin residents who had test results reported electronically to DHS, TESTS underestimates the total number of Wisconsin residents tested. If a person has a diagnostic, confirmatory test more than once, they are included and counted in this measure each time they are tested.

TESTS_POS_CONF: Cumulative total number of positive diagnostic, confirmatory test results for COVID-19 (molecular, PCR or NAAT test to detect SARS-CoV-2 RNA). Because the number of people with positive confirmatory test results includes only Wisconsin residents who had test results reported electronically to DHS, TESTS_POS_CONF underestimates the total number of positive confirmatory tests. If a person has a positive diagnostic, confirmatory test more than once, they are included and counted in this measure each time they are tested.

Number of Confirmed Cases of COVID-19

POS_CUM_CP: Cumulative total number of cases, either confirmed or probable.

POS_CUM_CONF: Cumulative total number of confirmed cases.

POS_CUM_PROB: Cumulative total number of probable cases.

POS_FEM_CP: Cumulative number of confirmed or probable cases, female gender.

POS_MALE_CP: Cumulative number of confirmed or probable cases, male gender.

POS_OTH_CP: Cumulative number of confirmed or probable cases, other or unknown gender.

POS_0_9_CP: Cumulative number of confirmed or probable cases, ages 0–9 years.

POS_10_19_CP: Cumulative number of confirmed or probable cases, ages 10–19 years.

POS_20_29_CP: Cumulative number of confirmed or probable cases, ages 20–29 years.

POS_30_39_CP: Cumulative number of confirmed or probable cases, ages 30–39 years.

POS_40_49_CP: Cumulative number of confirmed or probable cases, ages 40–49 years.

POS_50_59_CP: Cumulative number of confirmed or probable cases, ages 50–59 years.

POS_60_69_CP: Cumulative number of confirmed or probable cases, ages 60–69 years.

POS_70_79_CP: Cumulative number of confirmed or probable cases, ages 70–79 years.

POS_80_89_CP: Cumulative number of confirmed or probable cases, ages 80–89 years.

POS_90_CP: Cumulative number of confirmed or probable cases, ages 90 years or older.

People with Confirmed or Probable Cases of COVID-19 Who Have Died from COVID-19-Related Causes

DTH_CUM_CP: Cumulative number of people with confirmed or probable cases of COVID-19 who died from COVID-19-related causes.

DTH_CUM_CONF: Cumulative number of people with confirmed cases of COVID-19 who died from COVID-19-related causes.

DTH_CUM_PROB: Cumulative number of people with probable cases of COVID-19 who died from COVID-19-related causes.

DTHS_FEM_CP: Cumulative number of people with confirmed or probable cases of COVID-19 who died from COVID-19-related causes, female gender.

DTHS_MALE_CP: Cumulative number of people with confirmed or probable cases of COVID-19 who died from COVID-19-related causes, male gender.

DTHS_OTH_CP: Cumulative number of confirmed or probable cases of COVID-19 who died from

COVID-19-related causes, other or unknown gender.

DTHS_0_9_CP: Cumulative number of people with confirmed or probable cases of COVID-19 who died from COVID-19-related causes, ages 0–9 years.

DTHS_10_19_CP: Cumulative number of people with confirmed or probable cases of COVID-19 who died from COVID-19-related causes, ages 10–19 years.

DTHS_20_29_CP: Cumulative number of people with confirmed or probable cases of COVID-19 who died from COVID-19-related causes, ages 20–29 years.

DTHS_30_39_CP: Cumulative number of people with confirmed or probable cases of COVID-19 who died from COVID-19-related causes, ages 30–39 years.

DTHS_40_49_CP: Cumulative number of people with confirmed or probable cases of COVID-19 who died from COVID-19-related causes, ages 40–49 years.

DTHS_50_59_CP: Cumulative number of people with confirmed or probable cases of COVID-19 who died from COVID-19-related causes, ages 50–59 years.

DTHS_60_69_CP: Cumulative number of people with confirmed or probable cases of COVID-19 who died from COVID-19-related causes, ages 60–69 years.

DTHS_70_79_CP: Cumulative number of people with confirmed or probable cases of COVID-19 who died from COVID-19-related causes, ages 70–79 years.

DTHS_80_89_CP: Cumulative number of people with confirmed or probable cases of COVID-19 who died from COVID-19-related causes, ages 80–89 years.

DTHS_90_CP: Cumulative number of people with confirmed or probable cases of COVID-19 who died from COVID-19-related causes, age 90 years or older.

Hospital Admissions

HOSP_YES_CP: Cumulative number of people with confirmed or probable cases of COVID-19 who were ever hospitalized for COVID-19.

HOSP_NO_CP: Cumulative number of people with confirmed or probable cases of COVID-19 who were never hospitalized for COVID-19.

HOSP_UNK_CP: Cumulative number of people with confirmed or probable cases of COVID-19 for whom it is unknown whether they were hospitalized.

IP_Y_0_9_CP: Cumulative number of people who had confirmed or probable cases of COVID-19 and were hospitalized for COVID-19, ages 0–9 years.

IP_Y_10_19_CP: Cumulative number of people who had confirmed or probable cases of COVID-19 and were hospitalized for COVID-19, ages 10–19 years.

IP_Y_20_29_CP: Cumulative number of people who had confirmed or probable cases of COVID-19 and were hospitalized for COVID-19, ages 20–29 years.

IP_Y_30_39_CP: Cumulative number of people who had confirmed or probable cases of COVID-19 and were hospitalized for COVID-19, ages 30–39 years.

IP_Y_40_49_CP: Cumulative number of people who had confirmed or probable cases of COVID-19 and were hospitalized for COVID-19, ages 40–49 years.

IP_Y_50_59_CP: Cumulative number of people who had confirmed or probable cases of COVID-19 and were hospitalized for COVID-19, ages 50–59 years.

IP_Y_60_69_CP: Cumulative number of people who had confirmed or probable cases of COVID-19 and were hospitalized for COVID-19, ages 60–69 years.

IP_Y_70_79_CP: Cumulative number of people who had confirmed or probable cases of COVID-19 and were hospitalized for COVID-19, ages 70–79 years.

IP_Y_80_89_CP: Cumulative number of people who had confirmed or probable cases of COVID-19 and were hospitalized for COVID-19, ages 80–89 years.

IP_Y_90_CP: Cumulative number of people who had confirmed or probable cases of COVID-19 and were hospitalized for COVID-19, ages 90 years or older.

IP_N_0_9_CP: Cumulative number of people who had confirmed or probable cases of COVID-19, and were never hospitalized for COVID-19, ages 0–9 years.

IP_N_10_19_CP: Cumulative number of people who had confirmed or probable cases of COVID-19, and were never hospitalized for COVID-19, ages 10–19 years.

IP_N_20_29_CP: Cumulative number of people who had confirmed or probable cases of COVID-19, and were never hospitalized for COVID-19, ages 20–29 years.

IP_N_30_39_CP: Cumulative number of people who had confirmed or probable cases of COVID-19, and were never hospitalized for COVID-19, ages 30–39 years.

IP_N_40_49_CP: Cumulative number of people who had confirmed or probable cases of COVID-19, and were never hospitalized for COVID-19, ages 40–49 years.

IP_N_50_59_CP: Cumulative number of people who had confirmed or probable cases of COVID-19, and were never hospitalized for COVID-19, ages 50–59 years.

IP_N_60_69_CP: Cumulative number of people who had confirmed or probable cases of COVID-19, and were never hospitalized for COVID-19, ages 60–69 years.

IP_N_70_79_CP: Cumulative number of people who had confirmed or probable cases of COVID-19, and were never hospitalized for COVID-19 ages 70–79 years.

IP_N_80_89_CP: Cumulative number of people who had confirmed or probable cases of COVID-19, and were never hospitalized for COVID-19, ages 80–89 years.

IP_N_90_CP: Cumulative number of people who had confirmed or probable cases of COVID-19, and were never hospitalized for COVID-19, ages 90 years or older.

IP_U_0_9_CP: Cumulative number of people who had confirmed or probable cases of COVID-19, but it is unknown whether they were hospitalized or not, ages 0–9 years.

IP_U_10_19_CP: Cumulative number of people who had confirmed or probable cases of COVID-19, but it is unknown whether they were hospitalized or not, ages 10–19 years.

IP_U_20_29_CP: Cumulative number of people who had confirmed or probable cases of COVID-19, but it is unknown whether they were hospitalized or not, ages 20–29 years.

IP_U_30_39_CP: Cumulative number of people who had confirmed or probable cases of COVID-19, but it is unknown whether they were hospitalized or not, ages 30–39 years.

IP_U_40_49_CP: Cumulative number of people who had confirmed or probable cases of COVID-19, but it is unknown whether they were hospitalized or not, ages 40–49 years.

IP_U_50_59_CP: Cumulative number of people who had confirmed or probable cases of COVID-19, but it is unknown whether they were hospitalized or not, ages 50–59 years.

IP_U_60_69_CP: Cumulative number of people who had confirmed or probable cases of COVID-19, but it is unknown whether they were hospitalized or not, ages 60–69 years.

IP_U_70_79_CP: Cumulative number of people who had confirmed or probable cases of COVID-19, but it is unknown whether they were hospitalized or not, ages 70–79 years.

IP_U_80_89_CP: Cumulative number of people who had confirmed or probable cases of COVID-19, but it is unknown whether they were hospitalized or not, ages 80–89 years.

IP_U_90_CP: Cumulative number of people who had confirmed or probable cases of COVID-19, but it is unknown whether they were hospitalized or not, ages 90 years or older.

Intensive Care Admissions

IC_YES_CP: Cumulative number of people who had confirmed or probable cases of COVID-19 and were admitted to intensive care unit.

IC_Y_0_9_CP: Cumulative number of people who had confirmed or probable cases of COVID-19 and were admitted to intensive care unit, ages 0–9 years.

IC_Y_10_19_CP: Cumulative number of people who had confirmed or probable cases of COVID-19 and were admitted to intensive care unit, ages 10–19 years.

IC_Y_20_29_CP: Cumulative number of people who had confirmed or probable cases of COVID-19 and were admitted to intensive care unit, ages 20–29 years.

IC_Y_30_39_CP: Cumulative number of people who had confirmed or probable cases of COVID-19 and were admitted to intensive care unit, ages 30–39 years.

IC_Y_40_49_CP: Cumulative number of people who had confirmed or probable cases of COVID-19 and were admitted to intensive care unit, ages 40–49 years.

IC_Y_50_59_CP: Cumulative number of people who had confirmed or probable cases of COVID-19 and were admitted to intensive care unit, ages 50–59 years.

IC_Y_60_69_CP: Cumulative number of people who had confirmed or probable cases of COVID-19 and were admitted to intensive care unit, ages 60–69 years.

IC_Y_70_79_CP: Cumulative number of people who had confirmed or probable cases of COVID-19 and were admitted to intensive care unit, ages 70–79 years.

IC_Y_80_89_CP: Cumulative number of people who had confirmed or probable cases of COVID-19 and were admitted to intensive care unit, ages 80–89 years.

IC_Y_90_CP: Cumulative number of people who had confirmed or probable cases of COVID-19 and were admitted to intensive care unit, ages 90 years or older.

Race and Ethnicity

POS_AIAN_CP: Cumulative number of people who had confirmed or probable cases of COVID-19 with race documented as American Indian or Alaskan Native.

POS_ASN_CP: Cumulative number of people who had confirmed or probable cases of COVID-19 with race documented as Asian or Pacific Islander.

POS_BLK_CP: Cumulative number of people who had confirmed or probable cases of COVID-19 with race documented as African American or Black.

POS_WHT_CP: Cumulative number of people who had confirmed or probable cases of COVID-19 with race documented as white.

POS_MLTOTH_CP: Cumulative number of people who had confirmed or probable cases of COVID-19 with race documented as multiple races or other race.

POS_UNK_CP: Cumulative number of people who had confirmed or probable cases of COVID-19 with unknown race.

POS_E_HSP_CP: Cumulative number of people who had confirmed or probable cases of COVID-19 with ethnicity documented as Hispanic or Latino.

POS_E_NHSP_CP: Cumulative number of people who had confirmed or probable cases of COVID-19 with ethnicity documented as not Hispanic or Latino.

POS_E_UNK_CP: Cumulative number of people who had confirmed or probable cases of COVID-19 with unknown ethnicity.

DTH_AIAN_CP: Cumulative number of people who had confirmed or probable cases of COVID-19 and died from COVID-19-related causes with race documented as American Indian or Alaskan Native.

DTH_ASN_CP: Cumulative number of people who had confirmed or probable cases of COVID-19 and died from COVID-19-related causes with race documented as Asian or Pacific Islander.

DTH_BLK_CP: Cumulative number of people who had confirmed or probable cases of COVID-19 and died from COVID-19-related causes with race documented as African American or Black.

DTH_WHT_CP: Cumulative number of people who had confirmed or probable cases of COVID-19 and died from COVID-19-related causes with race documented as white.

DTH_MLTOTH_CP: Cumulative number of people who had confirmed or probable cases of COVID-19 and died from COVID-19-related causes with race documented as multiple races or other race.

DTH_UNK_CP: Cumulative number of people who had confirmed or probable cases of COVID-19 and died from COVID-19-related causes with unknown race.

DTH_E_HSP_CP: Cumulative number of people who had confirmed or probable cases of COVID-19 and died from COVID-19-related causes with ethnicity documented as Hispanic or Latino.

DTH_E_NHSP_CP: Cumulative number of people who had confirmed or probable cases of COVID-19 and died from COVID-19-related causes with ethnicity documented as not Hispanic or Latino.

DTH_E_UNK_CP: Cumulative number of people who had confirmed or probable cases of COVID-19 and died from COVID-19-related causes with unknown ethnicity.

Health Care Worker Status

POS_HC_Y_CP: Cumulative number of people who had confirmed or probable cases of COVID-19 who were reported as being a health care worker. Data on COVID-19 cases who are health care workers represents a broad range of occupations in the health care field, including nurses, physicians, surgeons, physician assistants, health care support staff, emergency medical technicians and paramedics, dentists and other dental health workers, and pharmacists.

POS_HC_N_CP: Cumulative number of people who had confirmed or probable cases of COVID-19 who had documentation of having an occupation that is not as a health care worker.

POS_HC_UNK_CP: Cumulative number of people who had confirmed or probable cases of COVID-19 with unknown occupation. This would include retired persons if no occupation was reported.

Newly Reported Data by Day

DTH_NEW_CP: Number of people who had confirmed or probable cases of COVID-19 and died from COVID-19-related causes newly reported since the previous day, and if date of death occurred within 30 days of being reported.

DTH_NEW_CONF: Number of people who had confirmed cases of COVID-19 and died from COVID-19-related causes newly reported since the previous day, and if date of death occurred within 30 days of being reported.

DTH_NEW_PROB: Number of people who had probable cases of COVID-19 and died from COVID-19-related causes newly reported since the previous day, and if date of death occurred within 30 days of being reported.

DTH_OVER_30DAYS_CP: Number of people who had confirmed or probable cases of COVID-19 and died from COVID-19-related causes newly reported since the previous day, but their date of death was more than 30 days prior to being reported.

DTH_CP_Daily: Number of people who had confirmed or probable cases of COVID-19 and died from COVID-19-related causes each day (by date of death).

DTH_CONF_Daily: Number of people who had confirmed cases of COVID-19 and died from COVID-19-related causes each day (by date of death).

DTH_PROB_Daily: Number of people who had probable cases of COVID-19 and died from COVID-19-

related causes each day (by date of death).

POS_NEW_CP: Number of people who had confirmed or probable cases of COVID-19 newly reported since the previous day. Beginning on October 1, 2021, due to the updated CDC case definition, a person may be reported as a confirmed or probable case more than once if they have more than one positive molecular or antigen tests that are more than 90 days apart.

POS_NEW_CONF: Number of people who had confirmed cases of COVID-19 newly reported since the previous day. Beginning on October 1, 2021, due to the updated CDC case definition, a person may be reported as a confirmed case more than once if they have more than one positive molecular tests that are more than 90 days apart.

POS_NEW_PROB: Number of people who had probable cases of COVID-19 newly reported since the previous day. Beginning on October 1, 2021, due to the updated CDC case definition, a person may be reported as a probable case more than once if they have more than one positive antigen tests that are more than 90 days apart. Prior to and after October 1, 2021, rarely, a probable case can be reported more than once depending on how the person meets the case definition (e.g., if a person was a symptomatic close contact of a confirmed or probable COVID-19 case but was never tested during their illness).

TESTS_NEW: Number of diagnostic, confirmatory test results for COVID-19 (molecular, PCR or NAAT test to detect SARS-CoV-2 RNA) newly reported, by the date the testing lab reported the test result. Because the number of people with test results includes only Wisconsin residents who had test results reported electronically to DHS, TESTS_NEW underestimates the total number of confirmatory tests. If a person has a diagnostic, confirmatory test more than once, they are included and counted in this measure each time they are tested.

TESTS_POS_CONF_NEW: Number of positive diagnostic, confirmatory test results for COVID-19 (molecular, PCR or NAAT test to detect SARS-CoV-2 RNA) newly reported, by the date the testing lab reported the test result. Because the number of people with positive confirmatory test results includes only Wisconsin residents who had test results reported electronically to DHS, TESTS_POS_CONF_NEW underestimates the total number of positive confirmatory tests. If a person has a positive diagnostic, confirmatory test more than once, they are included and counted in this measure each time they are tested.

PercentNAATPos: Percent of positive results among diagnostic, confirmatory test results for COVID-19 (molecular, PCR or NAAT test to detect SARS-CoV-2 RNA), by the date the testing lab reported the test result. This measure is calculated by dividing TESTS_POS_CONF_NEW by TESTS_NEW, multiplied by 100.