Montana COVID-19 Cases Map and Dashboard Metadata

For assistance, please email jebelt@mt.gov or call the DPHHS Public Information Office at 406-444-0936 Updates to the information are made weekly by 11:30 a.m., on Fridays.

The last update to the Cases Map and Dashboard will be made on May 5ᵗʰ, 2023

Description: The data for this dashboard is derived from local health officials at the county level who report cases to the Montana Department of Health and Human Services (DPHHS). DPHHS tabulates case data and then gives the data to the Montana State Library to publish through this web feature service.

Montana public health agencies are closely monitor COVID-19 cases, hospitalizations, and deaths in Montana. Local public health officials continue to investigate COVID-19 outbreaks and cases in settings which may expose individuals at high risk for severe outcomes. The Montana State Library is assisting the effort by geo-enabling public health information to inform the public of the COVID-19 precautions *recommended by the CDC* given their community's COVID-19 transmission and hospitalization levels, including being current on COVID-19 vaccinations and boosters.

Map data are based on information reported to DPHHS **the previous Thursday-Wednesday**. Information on the dashboard and maps will change based on further public health investigation.

Cumulative Cases Indicator: This includes all reported Montana residents meeting the CDC case definition for novel coronavirus infections, and some non-Montana residents who were diagnosed with novel coronavirus infections while in Montana.

Newly Reported Cases in the Last Week Indicator: Weekly aggregate of cases in Montana, by county, that were newly reported to DPHHS the previous Thursday-Wednesday. In the GIS Data Hub, these cases would have values corresponding to Wednesday-Tuesday for the indicator entitled "Date Reported to CDEpi".

- For example, a new case with Date Reported to CDEpi = Wednesday, 4/20/2022 would have been reported on 4/21/22 if a daily map update were run, and it would be reported on the weekly update Friday, 4/29/2022. A new case with Date Reported to CDEpi = Wednesday, 4/27/2022 would have been reported on 4/28/22 if a daily map update were run, and it would NOT be reported on the weekly update Friday, 4/29/2022.

Cumulative, Newly Reported Weekly, Active Cases by County Indicator (List of All Counties): List of all counties in Montana. Sorted by the highest number of newly reported cases for the county in the last week and then alphabetized by County Name.

Maps – Three interactive thematic maps of Montana displaying the COVID-19 Community Levels, the number of Active COVID-19 cases and the cumulative number of COVID-19 cases by county. The darker the color, the higher the number of active and cumulative cases. The active and cumulative number of cases are labeled for all counties on both maps. The community levels map is symbolized using these colors: Green for "Low", yellow for "Medium" and red for "High".

- <u>Home button</u>: Select to return to the full extent of the state of Montana.
- <u>Legend</u>: Select to view the map legend.
- <u>Zoom In/Out</u>: "Plus" button zooms in and "minus" button zooms out.
- <u>Active Case Map pop-ups</u> – pop-ups for the selected county showing total number of active cases, recovered cases, total deaths and number of cumulative cases.

- <u>Cumulative Case Map pop-ups</u> – pop-ups for the selected county showing cumulative cases in 10 year age by gender (Female/Male/Unidentified) *Unidentified are cases where the gender has not been reported.*
- <u>Community Levels Map pop-ups</u> – pop-ups for the selected county showing the CDC COVID-19 Community Level, COVID-19 Cases per 100,000, percentage of staffed inpatient beds occupied by COVID-19 patients (7 day average), and COVID-19 Hospital admissions per 100,000 people.
    - <u>Please note that CDC uses the **net** number of new COVID cases reported in the past week to calculate the number of COVID cases per 100,000. So, if one were to calculate the number of net new cases based on the COVID cases per 100,000 metric, there may be minor variation between the number of newly reported cases in the last week (as displayed on the Montana dashboard) and the number of net new cases.</u>

Total Deaths Indicator - Aggregate of reported COVID-19 related deaths in Montana.

Active Cases Indicator – Total number of cases that are under isolation, following current CDC guidelines, this number is pulled on Wednesday and published on Friday.

Total Hospitalizations Indicator – Aggregate of reported cases hospitalized for their COVID-19 illness in Montana by County. This includes the total number of cases that were hospitalized at any point during the course of their COVID illness, it is not the current number of hospitalizations. This number is reported and gathered from the Montana Infectious Disease Information System (MIDIS).

Cases by Diagnosis Date Serial Chart – Line graph depicting the number of confirmed cases by diagnosis date. Click on data point and see the date and number of cases that occurred on that date.

Cases by Report Date Serial Chart – Line graph depicting the number of confirmed cases by report date to DPHHS. Click on data point and see the date and number of cases reported on that date.

Total Cases by Age Group Chart– Pie chart depicting the number of confirmed cases by age group. Click on pie slice to view the age range and number of cases within that age group.

Female Cases by Age Group Chart – Pie chart depicting the amount of confirmed female cases by age group. Click on pie slice to view the age range and number of female cases within that age group.

Male Cases by Age Group Chart – Pie chart depicting the amount of confirmed male cases by age group. Tap/Click on pie slice to view the age range and number of male cases within that age group.

Hospitalizations and ICU Chart – Line graph depicting the number COVID-19 hospitalizations, ICU bed capacity, COVID-19 ICU bed occupancy, and non-COVID ICU bed occupancy reported each date. These data are reported by hospitals to the Teletracking and Juvare systems, which feed data to the federal Unified Hospital Data Surveillance System.

- The ICU Bed Capacity is set at 215 beds for the state of Montana. There is some fluctuation day-to-day due to staffing at each facility, but the statewide average is 215 ICU beds.

Feature Services – The below ESRI feature services store the data populating the COVID-19 Cases Map and Dashboard.

Montana COVID-19 Case and Test Data - Web service tabulating up-to-date data on COVID-19 cases for Montana counties.

Montana COVID-19 Daily Case Summary - Web service tabulating up-to-date summary data on COVID-19 cases for the state of Montana.

PROD Epi Curve Case Table – Web service storing cases by date of confirmed COVID19 onset.

Montana CDC Community Levels Data – Web service of CDC.gov COVID-19 community levels, COVID-19 cases per 100k, COVID-19 hospital admissions per 100k, and COVID-19 hospital inpatient bed utilization per 100k for Montana Counties.

Montana Hospitalization and ICU – Web service storing COVID-19 hospitalization and COVID-19 ICU bed occupancy by date.