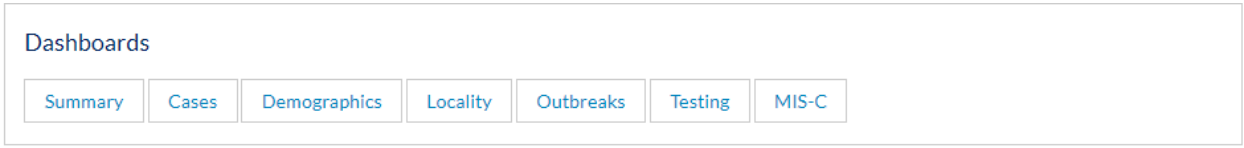
**Descriptions of VDH External Dashboards**

Below are brief descriptions of COVID-19 data dashboards presenting data on COVID-19 testing, cases, hospitalizations, and deaths in Virginia as well as detailed information on key measures, modeling, and metrics for the COVID-19 pandemic in the Commonwealth. This list will be updated routinely as new data and information on COVID-19 become available. You can also find data dashboard descriptions and other information on the About the Data page.

1. **VDH COVID-19 Daily Data Dashboard** is a series of web pages with interactive data dashboards that provide detailed daily updates about COVID-19 cases, hospitalizations, and deaths. This dashboard consists of seven web pages that can be accessed by clicking on the buttons at the top of the main web page, as shown below. All data are updated daily before 10:00 am.




The daily data dashboard includes a link for the public to the VDH Geography Locator Tool, which is located on the VDH Data web page. This interactive dashboard shows the locality, health district, and health region when a specific locality of interest is selected from the drop down menu.

*Summary* page: This dashboard presents a summary of the daily statewide numbers for cases, hospitalizations, deaths, outbreaks, testing, and Multisystem Inflammatory Syndrome in Children (MIS-C). The numbers presented include: total confirmed and probable cases, hospitalizations, and deaths, which now include a new metric of the number of cases reported to VDH in the past 24 hours; total outbreaks and the number of outbreak associated cases; the total number of PCR only testing encounters and current 7-day positivity rate for PCR only; and the total number of MIS-C cases and deaths in Virginia.

*Cases* page: This dashboard presents the cumulative (total) number of confirmed and probable cases, hospitalizations, and deaths in Virginia; a map at the city or county level that shows cases, hospitalizations, and deaths by counts or by rates per 100,000 population; and an interactive graph that shows the trends of cases by date of symptom onset, hospitalizations by date of hospital admission, and deaths by date of death, including a seven-day moving average. The trend graphs are available at the state and regional levels.

*Demographics* page: This dashboard presents demographic data, including age groups, race and ethnicity, and sex for cases, hospitalizations, and deaths at the health district level.

*Locality* page: This dashboard presents counts or rates by locality for cases, hospitalizations, and deaths. The page includes four metrics: number of new cases reported in the past 24 hours, 7-day average number of daily new cases reported number of new cases reported using rate per 100,000 population, and 7-day average of new cases reported using rate per 100,000 population. The graph and the metrics will automatically update based on the locality and measure selected via the drop

down menus. There is also a graph that shows the daily count of cases, hospitalizations, and deaths by report date. This graph automatically updates based on the locality and measure selected at the top of the page. The table at the bottom presents counts or rates for cases, hospitalizations, and deaths for all localities in Virginia.

*Outbreaks* page: This dashboard presents data about outbreaks at the health district level and includes data on outbreak-associated cases and outbreaks by facility type (long-term care facilities, correctional facility, and congregate, healthcare, and child care, K-12, and college/university settings). This tab also includes state-level case and death counts by outbreak facility type, and a graph that shows the number and facility type of outbreak by the date reported and **by health region** to VDH.

For more information about outbreaks in long-term care facilities and K-12 schools, please visit these links here: Long-Term Care Facilities (updated weekly on Mondays) and K-12 School Outbreaks (updated weekly on Fridays).

*Testing* page: This dashboard presents testing data at the health district level, including the number of testing encounters, the number of positive testing encounters, and the percent positivity by the lab report date. Additional information about how VDH calculates the number of people tested can be found here.

*MIS-C* page: This dashboard presents data at the state and health district level on the number of cases and deaths of Multisystem Inflammatory Syndrome in Children.

2. **Key Measures Dashboard** is an interactive dashboard that presents data at the state and regional level of the main measures that government and community leaders use to make decisions on how to keep Virginians healthy and safe. The data on this page are monitored to help inform Forward Virginia guidelines. The five Key Measures Virginia uses are:

   - Number of new cases and deaths associated with COVID-19 - by report date and by date of symptom onset or date of death. For cases, the date of symptom onset is the closest date to when a person's symptoms began. This measure shows increasing or decreasing trends in the number of COVID-19 cases and deaths in Virginia.
   - Number of hospital beds occupied. This measure shows the capacity, or the amount of bed space, that is available in Virginia hospitals to take care of patients. The Virginia Hospital and Healthcare Association (VHHA) provides these data to VDH on a daily basis.
   - Number of patients hospitalized with a positive or pending COVID-19 test. Pending means that the patient is waiting for test results. This measure shows how many people are currently receiving care in the hospital who have or who may have COVID-19. VHHA also provides these data.
   - Number of hospitals reporting difficulty with getting personal protective equipment (PPE), in the next 72 hours. This measure helps us understand if and where PPE is needed, so necessary resources can be provided to healthcare workers and other essential staff. PPE data also come from VHHA.

- Testing, including the number of people tested, the number of positive tests, and the percent positivity. This is for PCR tests only. PCR tests are the main tests used to diagnose a person with COVID-19. This measure shows Virginia's current testing capacity for COVID-19. The measure also presents the percent positivity, or how many positive COVID-19 tests there were out of the total number of COVID-19 tests. This measure helps us understand how many people test positive for COVID-19 out of the total number of people tested on a given day, which shows us how much COVID-19 is being spread within a community.

*Pandemic Metrics Dashboard*, which is in the Virginia's Key COVID-19 Measures dashboard, presents metrics that describe the current transmission of COVID-19 in Virginia as well as how it has changed over time to help guide mitigation measures needed to reduce the impact of COVID-19. VDH calculated the transmission level by combining burden and trend metrics. These metrics are compiled from Virginia's Key Measures and other available data. Metrics are shown at the region level. For the Pandemic Metrics dashboard only, the Southwest region is divided into 'Near Southwest' and 'Far Southwest'. You can find more detailed information on the methods used to create the dashboard here.

Additionally, Indicators for Dynamic School Decision-Making developed by CDC for school settings are presented. These metrics and thresholds can help communities better understand the risk of introduction and transmission of COVID-19 in schools. Local decision makers can consider these metrics to help guide decisions related to school programming. You can find more detailed information on these indicators here. Data are updated weekly.

3. **COVID-19 Data Insight Dashboards** provide more detailed insights into data related to COVID-19 in Virginia. This page currently includes five dashboards:

*COVID-19 Cases and Number of PCR Testing Encounters by Zip Code*: This dashboard presents data on the number of cases or number of PCR testing encounters by zip code in Virginia. It includes map and table features where a specific zip code of interest can be entered into a text box, and the data will automatically update to display data for the specific zip code chosen.

*COVID-Like Illness Visits*: This dashboard presents data at the state, regional, and health district level on COVID-like illness from emergency departments and urgent care centers in Virginia. This dashboard also presents state-level data on COVID-like illness hospitalizations.

*COVID-19 Contact Tracing:* This dashboard presents the four outcomes monitored at the state level for contact tracing efforts: the percent of cases reached within 24 hours, 7 day average; the number of contacts under public health monitoring; the percent of contacts unable to reach to date; and the percent of contacts reached within 24 hours among all contacts that were able to be reached.

*UVA COVID-19 Model:* This dashboard, in collaboration with the University of Virginia, presents modeling data at the metropolitan area, health district, and locality levels to show the estimated impact of phased reopening and improved testing and contact tracing on the number of COVID-19

cases avoided. This dashboard also displays different scenarios and projections based on data trends, such as if the number of cases remained steady, declined, or surged in Virginia and within local communities.

*COVID-19 Outbreaks in School Settings*: This dashboard presents a list of public and private K-12 schools in Virginia that are currently experiencing or have experienced a confirmed COVID-19 outbreak. Distinct COVID-19 outbreaks reported to VDH among K-12 schools are listed by the locality, school name, outbreak status, when VDH was notified about the outbreak, number of cases and deaths. These data are updated weekly on Friday.

*COVID-19 Outbreaks Associated with Meat and Poultry Processing Plants in Virginia*: This dashboard presents data on COVID-19 outbreaks associated with meat and poultry processing plants in Virginia. The dashboard includes data on confirmed cases, hospitalizations, and deaths statewide associated with COVID-19 outbreaks in meat and poultry processing plants. The dashboard also presents confirmed cases associated with these outbreaks at the regional level, and how the outbreaks have changed over time. These data are updated on a monthly basis at the beginning of each month.