



Missouri

COVID-19 School Data Hub Details

Learning Model Data Availability

Data Level	Data Type	Available?	Enrollment by Learning Model	Time Interval/Coverage
District	Learning Model Status	Yes	Partial (Oct/Feb only)	Weekly, 8/9/20-5/29/21
School	Learning Model Status	Yes	No	Monthly, Sep 2020-May 2021

COVID-19 and Masking Data Availability

Data Level	Data Type	Available?
District	COVID-19 Case Data	No
School	COVID-19 Case Data	No
District	Masking Data	Yes

Please see below for further details for each data type.

Overview of Learning Model Data from the COVID-19 School Data Hub

The CSDH includes learning model data for K-12 public schools as provided by state agencies (e.g., departments of education or health), which can be accessed here: <https://www.covidschooldatahub.com/>. State data files do not include private schools, schools serving only as pre-kindergarten/early childhood centers, student services spanning multiple school districts, homeschool programs, residential programs, programs designed for youth ages 18-21, exclusively or primarily online/virtual schools, or adult programs.

CSDH files are organized into a consistent structure across states, and have been matched to NCES IDs and NCES school/district type. This information can be used in conjunction with the NCES school and district demographic files here: https://www.covidschooldatahub.com/for_researchers. Learning models are defined for the purposes of our dataset as follows:

- **In-person:** All or most students received instruction in person, 5 days a week.
- **Hybrid:** All or most students received a blend of in-person and virtual instruction.
- **Virtual:** All or most students received instruction virtually, 5 days a week.

The learning model data that were publicly available or submitted to CSDH upon request are presented as the state's best knowledge about the learning model status of their schools and districts. The data have been cleaned and standardized, but CSDH has not conducted additional verification of this information. All learning model data are available in csv and Excel formats. State-specific information can be found below, and more information on CSDH data methods can be found here: <https://www.covidschooldatahub.com/methods>.

In some cases, the learning model information provided by state agencies was collected as part of the state's plan to determine and disburse benefits as part of the Pandemic Electronic Benefit Transfer (P-EBT) program through the U.S. Department of Agriculture. More information can be found at <https://www.fns.usda.gov/snap/state-guidance-coronavirus-pandemic-ebt-pebt>.



A. Learning Model Status & Enrollment

Learning Model Data Details		
District file	Learning model and enrollment data available	
School file	Learning model data available; enrollment by learning model data not available	
Data source	Missouri Department of Elementary and Secondary Education (DESE)	
Learning model statuses used by state (with definitions, if available)	State Definition	CSDH Classification
	<p><u>District data</u></p> <ul style="list-style-type: none"> ● Onsite: All students receiving instruction on campus. ● Onsite w/ Distanced Option: Students are receiving instruction on campus, while the school is also providing families an option for distanced instruction. <p><u>School data</u></p> <ul style="list-style-type: none"> ● Open or School Open (Children In Seat): An in-seat learning mode is one that does not meet the five consecutive day threshold and the children were present in school with no virtual or hybrid learning, 	In-person
	<p><u>District data</u></p> <ul style="list-style-type: none"> ● Blend Onsite/Distanced: Some students are receiving instruction on campus while others are taking part in distanced learning. Grade levels may be receiving different patterns of instruction, or students may be splitting time between onsite and distanced learning. <p><u>School data</u></p> <ul style="list-style-type: none"> ● Hybrid: Children were in-seat for either a fixed 2 or 3 day per week schedule, and virtual the other days; this status is based on the schedule of the majority of children in that school. 	Hybrid
	<p><u>District data</u></p> <ul style="list-style-type: none"> ● Distanced: All students are receiving instruction away from campus to support social distancing. <p><u>School data</u></p> <ul style="list-style-type: none"> ● Virtual, Virtual or Closed due to COVID-19, or Virtual/Closed: A fully virtual school is one where a majority of kids are virtual every day of the week. The only exception is a school starts the month as hybrid or in-person, but closes to in-person instruction before the midway point of the month. This status is based on the schedule of the majority of children in that school. 	Virtual



	<p><u>District data</u></p> <ul style="list-style-type: none"> ● Closed ● Weeks prior to the first week of school were assigned a model of “Closed”. If the first day of school was a Thursday or Friday, the predominant learning model for that week was “Closed”. <p><u>School data</u></p> <p>n/a</p>	Closed
Data time interval	<p><u>District data</u></p> <p>Weekly, from 8/9/20-5/29/21(for learning model data). CSDH collapsed daily data into weekly intervals based on the predominant district model during that period. Data on enrollment by learning model was only collected in October 2020 and February 2021.</p> <p><u>School data</u></p> <p>Monthly, from September 2020-May 2021. The start and end dates of each time period were assigned as the first and last days of the month.</p>	
Enrollment total	<p><u>District data</u></p> <p>The EnrollmentTotal variable presents Missouri’s K-12 student enrollment data for the 2020-21 school year for each district, as reported by Missouri’s Department of Elementary and Secondary Education. For each district, the official EnrollmentTotal is applied across all time periods.</p> <p><u>School data</u></p> <p>The EnrollmentTotal variable presents Missouri’s K-12 student enrollment data for the 2020-21 school year for each school, as reported by Missouri’s Department of Elementary and Secondary Education. For each school, the official EnrollmentTotal is applied across all time periods. Data are available here: https://apps.dese.mo.gov/MCDS/home.aspx?categoryid=2&view=2</p>	
Additional state learning model data details	<p><u>District data</u></p> <p><u>Learning Model Classifications</u></p> <p>Learning model classifications were based on the daily state-provided learning models (LearningModelStateCat). The LearningModel represents the most common learning model used during a given Sunday-Saturday time period; that is, the LearningModel represents the predominant model used each week during the school year.</p> <p><u>Enrollment by Learning Model</u></p> <p>Missouri collected student enrollment counts by learning model in October 2020 and February 2021 in the following five categories:</p> <ul style="list-style-type: none"> ● Onsite instruction: Students are physically present at the school under the guidance and direction of teachers in the teaching process. ● Blended instruction: Students receive instruction under a fixed blended planned instructional pattern of onsite and distanced instruction that includes a minimum equivalent of two (2) full days of onsite instruction per week. ● Distanced instruction, primarily (over 50%) online: Students are offsite (intermittent blended/instruction during quarantine) and receive 	



	<p>instruction primarily (over 50%) through online means. Instruction includes teacher interaction as approved by the Department in the LEA's AMI-X plan.</p> <ul style="list-style-type: none"> ● Distanced instruction, primarily (over 50%) other than online: Students are office (intermittent blended/instruction during quarantine) and receive instruction primarily (over 50%) other than online or through the use of physical materials. Instruction includes teacher interaction as approved by the Department in the LEA's AMI-X plan. ● Virtual instruction (100%): Students are offsite and receive 100% virtual instruction under the requirements of the state law 162.1250, RSMo, for virtual programs. <p>In our dataset, <i>In-person</i> enrollment (EnrollmentInPerson) includes data the state included as part of "Onsite instruction"; <i>Hybrid</i> enrollment (EnrollmentHybrid) includes data the state included as part of "Blended instruction"; and <i>Virtual</i> enrollment (EnrollmentVirtual) includes data the state included as part of "Distanced instruction, primarily (over 50%) online", "Distanced instruction, primarily (over 50%) other than online", and "Virtual instruction (100%)".</p> <p>The October 2020 and February 2021 enrollment counts were applied to all time intervals within these respective months. According to the Missouri Department of Elementary and Secondary Education, these data were suppressed for populations of fewer than 5 students, as well as the next highest population.</p> <p>June learning model enrollment counts were collected by the state but are not yet available.</p> <p><u>School data</u> Missouri's learning model information was collected as part of the Pandemic Electronic Benefits Transfer program (P-EBT) that provided monetary benefits to students who were involved in at least some remote learning.</p> <p>DESE conducted a survey of school districts in May 2021 to identify the learning mode of each school: in-seat, hybrid, or virtual by each month. Districts that did not complete the survey were contacted by DESE to verify verbally that their schools had not closed during 2020-21. If districts confirmed no closures, "In-person" was applied to all schools within the district.</p>
Staff counts	<p><u>District data</u> The StaffCounts variable includes the following positions: Central Office Administration, Building Principals, Supervisors, Media Personnel, Teachers, Other Pupil Services Personnel, Aides/Paraprofessionals, and Ancillary Personnel. In-person staff counts were not available.</p> <p><u>School data</u> School-level staff counts are not currently available.</p>
Version history	<ul style="list-style-type: none"> ● 9/15/21: District file released. ● 4/25/22: School file released.



B. COVID-19 Case Data

COVID-19 Case Data Details	
Data available?	No
Case count reporting	
Data time interval	
Data suppression	
Data source	
Additional data details	
Version history	

C. Masking Data

Masking Data Details	
Data available?	Yes (District)
Data source	COVID-19 School Data Hub (CSDH) Masking Survey
Additional data details	The masking data are provided from district leaders via the CSDH Masking Survey. In MO, the survey window was June 23-July 23, 2021. The survey was completed by 36% of respondents ($n=198/543$).
Version history	<ul style="list-style-type: none">9/15/21: Masking file released.