



Massachusetts 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	Yes	Bi-weekly, 10/1/20 - 5/26/21
School	Learning Model Status	No	-	-

COVID-19 and Masking Data Availability

Data Level	Data Type	Available?
District	COVID-19 Case Data	Yes
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 by learning model data available	
School file	Not available	
Data source	Massachusetts Department of Elementary and Secondary Education (DESE)	
Learning model statuses used by state (with definitions, if available)	State Definition	CSDH Classification
	<ul style="list-style-type: none"> In-person learning with new safety requirements: All students return in-person; classrooms, schedules, protocols modified to meet health requirements 	In-person
	<ul style="list-style-type: none"> Hybrid learning: Students learn both in-person and remotely 	Hybrid
	<ul style="list-style-type: none"> Remote learning: Learning takes place remotely 	Virtual
	<i>Not reported</i>	Blank
Data time interval	Bi-weekly from 10/1/20 - 5/26/21	
Enrollment total	The EnrollmentTotal variable presents the state's district-level K-12 student enrollment data (not PK-12) from DESE's annual enrollment data as of October 1, 2020. For each district, the official EnrollmentTotal is applied across all time periods. DESE does not report data for district totals fewer than 6 students.	
Additional state learning model data details	<p>Student enrollment data by learning model data were not available for all districts or all weekly intervals from DESE. In some cases, EnrollmentTotal may not align with enrollment by learning model, as EnrollmentTotal was based on a single point in time (Oct 1, 2020), while learning model enrollment counts were collected throughout the school year.</p> <p>Based on the available data, learning model classifications for Massachusetts were generated using the following parameters:</p> <ol style="list-style-type: none"> 1. Virtual = <ol style="list-style-type: none"> a. If a school or district has virtual enrollment that is more than 90% of the total student enrollment (i.e., EnrollmentTotal) 2. In-person = <ol style="list-style-type: none"> a. any school/district with ONLY in-person enrollment; <i>or</i> b. any school/district with in-person AND virtual enrollment if in-person enrollment is 10% or more of the total learning model enrollment. 3. Hybrid= 	



	<ul style="list-style-type: none"> a. any district with ONLY hybrid enrollment; or b. any school/district with hybrid AND virtual enrollment if hybrid enrollment is 10% or more of the total learning model enrollment. <p>4. When distinguishing between whether to classify as in-person or hybrid, the learning model is categorized as whichever model has the greatest number of students enrolled.</p> <ul style="list-style-type: none"> a. If there are “ties” in the # of enrolled students in the in-person and hybrid models (or hybrid-virtual models), the learning model should be the one that reflects the most “in-person approach”. In other words: <ul style="list-style-type: none"> o In-person/Virtual ties: Coded as In-person o In-person/Hybrid ties: Coded as In-person o Hybrid/Virtual ties: Coded as Hybrid <p>5. The learning model is left blank if total learning model enrollment <60% of EnrollmentTotal.</p>
Staff counts	Staff data are based on the state’s 2020-21 district-level full time equivalent (FTE) counts of all staff for the 2020-21 school year, based on October 1, 2020 counts. (Data can be found in the “2020-21 Race/Ethnicity and Gender Staffing Report - District - All” report under School and District Profiles). No data are available on in-person staff counts.
Version history	<ul style="list-style-type: none"> ● 9/15/21: District file released.

B. COVID-19 Case Data

COVID-19 Case Data Details	
Data available?	Yes (District)
Case count reporting	<ul style="list-style-type: none"> ● Staff and students reported together <p>Data in this report represent the number of positive COVID-19 cases as reported to the Department of Elementary and Secondary Education (DESE) by Local Education Agencies (LEAs) including school districts, charter schools, and collaboratives.</p> <p>Please note the definitions for the COVID-19 case data fields are as follows:</p> <p>(1) Reported positive cases for students: Number of reported positive cases for students who are learning in hybrid or in-person learning models and have been in a district school within the seven days prior to the report of the positive case only. Cases are reported to schools and were not necessarily contracted in schools.</p> <p>(2) Reported positive cases for staff: Number of reported positive cases for district staff members who have been in a district building within the seven days prior to the report of the positive case.</p>



Data time interval	Weekly	
Data suppression	No data suppression	
Data source	Massachusetts Department of Education: Positive COVID-19 Cases in Schools	
Variables used from original data	Original Variable in State Data	CSDH Dataset Variable
	DistrictName	DistrictName
	StudentCases	NewCasesStudents
	StaffCases	NewCasesStaff
	WeekEndDate	TimePeriodEnd
Additional data details		
Version history	<ul style="list-style-type: none"> 9/15/21: Case data file released. 	

C. Masking Data

Masking Data Details	
Data available?	Yes (District)
Data source	MA enacted a statewide mandate, which included schools and districts, throughout the 2020-21 school year.
Additional data details	The MA data reflect a masking policy in effect for staff and students across all districts for the full 2020-21 school year.
Version history	<ul style="list-style-type: none"> 9/15/21: Masking file released.