North Dakota
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	Weekly, 9/13/20-5/15/21
School	Learning Model Status	Yes	Yes	Weekly, 9/13/20-5/15/21

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
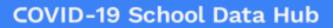The CSDH includes learning model data for K-12 public schools as provided by state agencies (e.g., departments of education or health), which can be accessed here: https://www.covidschooldatahub.com/. State data files do not include private schools, schools serving only as pre-kindergarten/early childhood 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 and enrollment data available	
Data source	North Dakota Department of Public Instruction (NDDPI)	
Learning model statuses used by state (with definitions, if available)	**State Definition**	**CSDH Classification**
	● **FaceToFace:** No definition provided	In-person
	● **Hybrid:** No definition provided	Hybrid
	● **Distance:** No definition provided	Virtual
	Not included in dataset	Closed
	[No Report]	Blank
Data time interval	Weekly, from 9/13/20-5/15/21 for both the district-level and school-level files.	
Enrollment total	Enrollment data were reported daily at both the school and district level, and varied during the school year for each entity. We were not able to disaggregate PreK enrollment numbers for either districts or schools, so enrollment totals (and enrollments by learning model) may include PreK for elementary schools offering that grade. For a small number of school and district observations, the "EnrollmentTotal" differs slightly from the sum of the enrollments by learning model due to rounding to the nearest integer of counts by enrollment learning model, which were derived by converting raw percentages into head counts using the TotalEnrollment variable.	
Additional state learning model data details	Learning Model Classifications 1. **Daily learning model enrollment percentages converted to counts:** Learning model data were provided as a percentage of enrollments at the school and district levels (for the latter, both district-wide and grade band percentages). We converted these percentages into counts of enrollment by learning model, rounded to the nearest integer. We determined the daily standardized learning model based on project decision rules on percentages of students enrolled by learning model. 2. **Daily learning model classifications assigned**: Using the learning model enrollment counts, daily learning model classifications were assigned to each school and district based on project coding criteria. 3. **Weekly learning model classifications assigned**: Weekly learning model classifications were based on the daily state-provided learning model enrollment data. For both the school and district files, 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. Irregularities One district (ST THOMAS 43) and one school (GRENORA ELEMENTARY	

	SCHOOL) recorded more than 100% of students as learning in-person in March 2021. EnrollmentInPerson counts are greater than the EnrollmentTotal counts for those observations. At the district level, grade band-level learning model observations appear blank where a district did not offer a particular grade band (typically smaller rural or remote districts).
Staff counts	North Dakota provided staff data at the school level for the school year 2020-21. Learning model data was provided at North Dakota's 'ten digit' school ID level, but its staff data is recorded at the less-specific 'nine digit' school ID level. This meant that for 229 schools included in our dataset, we were unable to match staff count data accurately, usually because the learning model data was collected separately for elementary, middle and high entities in an area, but staff data was for the elementary, middle and high entities combined and could not be disaggregated. We derived district-level staff count totals from the original school-level data and matched these totals to all districts in the dataset. Staff noted as being "employed by LEA rather than specific school" were excluded from our school-level staff counts but included in our district-level counts.
Version history	9/15/21: District and school files released. 3/9/22: School and district files updated to reflect weekly intervals rather than daily intervals.

B. COVID-19 Case Data

COVID-19 Case Data Details	
Data available?	No
Case count reporting	
Data time interval	
Data suppression	
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 ND, the survey window was July 8-July 23, 2021. The survey was completed by 19% of respondents (n=37/192).
Version history	9/15/21: Masking file released.