

# Package: marylandedu (via r-universe)

August 20, 2024

**Type** Package

**Title** Maryland State Department of Education Data

**Version** 0.1.0

**Description** The marylandedu package provides access to selected datasets from the Maryland State Department of Education (MSDE) that have been standardized to better support year-by-year analysis and visualization.

**License** CC0

**URL** <https://github.com/elipousson/marylandedu>,  
<https://elipousson.github.io/marylandedu/>

**BugReports** <https://github.com/elipousson/marylandedu/issues>

**Depends** R (>= 2.10)

**Encoding** UTF-8

**LazyData** true

**Roxygen** list(markdown = TRUE)

**RoxygenNote** 7.2.3

**Repository** <https://elipousson.r-universe.dev>

**RemoteUrl** <https://github.com/elipousson/marylandedu>

**RemoteRef** HEAD

**RemoteSha** 0ba780290c5709cb265596d8d862efcfe01ab088

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lss_county_xwalk	<i>Maryland Local School System-County Crosswalk</i>
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### Description

A data frame that can be used as a crosswalk between Maryland Local School System (LSS) names and numbers and county-level identifiers from the U.S. Census Bureau.

### Usage

lss\_county\_xwalk

### Format

A data frame with 25 rows and 7 variables:

lss\_number Local school system (LSS) number as integer.

lss\_name Local school system (LSS) names.

countyfp County FIPS code.

countyns County GNIS code.

geoid Unique county FIPS code (concatenation of state and county FIPS codes).

county\_name County name. Equivalent to name1sad column from mapmaryland::md\_counties which is a concatenated variable length geographic area name and legal/statistical area description (LSAD)

region Region of the state.

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md_nces_directory	<i>Maryland NCES Directory (SY 2003-2023)</i>
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### Description

Combined data from XLS and XLSX format NCES directory files downloaded from the MSDE Data Downloads website. The school name field has been corrected for consistency and accuracy across years and capitalization of the city and address fields have been standardized (previously used all upper case for both prior to 2010). A grade span value is filled in for older records where grade span was stored in the school type column. Last updated 2023-11-28.

### Usage

md\_nces\_directory

**Format**

A data frame with 30160 rows and 15 variables:

year School year  
school\_number School number  
school\_name School name  
school\_type School type  
address School address  
city City  
state State  
zip Zip code  
phone School phone number  
nces\_number NCES Number  
create\_date Record creation date  
grade\_span Grade span (grade band)  
school School number (character)  
lss\_name LSS name  
lss\_number LSS number

**Source**

[MSDE Data Downloads](#)

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msde_attendance	<i>Maryland Public School Attendance (SY 2003-2022)</i>
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**Description**

Attendance data from the Maryland State Department of Education (MSDE). The original CSV data files downloaded from MSDE are available in the `data-raw/extdata` folder on the GitHub repo for the package. Any percent variables with a value of 95 percent should be interpreted as equivalent at or above 95 percent. Any percent variables with a value of 5 percent should be interpreted as equivalent to at or below 5 percent. Chronic absenteeism data is not available prior to 2018 when the federal Every Student Succeeds Act (passed in 2015) went into effect and Maryland began to include the chronic absenteeism rate in the state's annual academic report cards. Variable definitions are based on the [definitions from the MSDE website](#).

**Usage**

msde\_attendance

**Format**

A data frame with 33,376 rows and 18 variables:

`year` School year or academic year, e.g. 2019 for 2019-2020 school year

`school_number` School number (0 indicates all schools)

`school_name` School name

`grade_range` Grade range used for attendance details.

`attend_rate_pct` Attendance rate as defined as the average daily attendance rate of students in the school and grade band, including special education students

`days_attended_count` Total number of students in attendance from the first day of school through April 13th

`days_member_count` Total number of students registered to attend from the first day of school through April 13th

`fewer_5_pct` Percent of students absentee rate is the percentage of students absent from school for five or fewer days between the first day of the school year and the last day of the school year

`fewer_5_count` Count of students absentee rate is the percentage of students absent from school for five or fewer days between the first day of the school year and the last day of the school year

`more_20_pct` Percent of students absentee rate is the percentage of students absent from school for twenty or more days between the first day of the school year and the last day of the school year

`more_20_count` Number of students absentee rate is the percentage of students absent from school for twenty or more days between the first day of the school year and the last day of the school year

`more_90_member_count` Number of students with an attendance rate of 90 percent or more

`chronic_absentee_count` Number of students expected to attend school for at least 10 days who were absent 10 percent or more of the school days while enrolled at that school

`chronic_absentee_denom` Number of students who are expected to attend school for at least 10 days in the school year

`chronic_absentee_pct` Chronic absenteeism rate as defined as the percent of students expected to attend school for at least 10 days who were absent 10 percent or more of the school days while enrolled at that school

`date_created` Date record created.

`lss_number` Local school system (LSS) number as integer. NA is used in place of a LSS number for statewide data. Older LEA numbers are combined with LSS numbers in this dataset.

`lss_name` Local school system (LSS) names (typically same as county name). "State" is used in place of a LSS name for statewide data. Older LEA names are combined with LSS names in this dataset.

**Source**

[MSDE Data Downloads](#)

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`msde_enrollment`*Maryland Public School Enrollment (SY 2003-2023)*

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## Description

Enrollment data from the Maryland State Department of Education (MSDE). The original CSV data files downloaded from MSDE are available in the `data-raw/extdata` folder on the GitHub repo for the package. The number of enrolled students includes ungraded special education and pre-kindergarten students. Grades coded as "Prekindergarten Age 4" in the MSDE data have been re-coded as "Prekindergarten" to facilitate comparison across years. LEA Names coded as "Baltimore City - Edison" have been re-coded as "Baltimore City", "Seed School LEA" as "SEED", and "All Public Schools" as "State". Variable definitions are based on the [definitions from the MSDE website](#). Last updated 2023-10-02.

## Usage

`msde_enrollment`

## Format

A data frame with 237,924 rows and 10 variables:

`year` School or academic year for enrollment count, e.g. 2019 data is from the start of the 2019-2020 school year.

`school_number` School number as integer (0 indicates all schools)

`school_name` School name

`enrolled_count` Number of students registered to attend the school at the start of the year in the grade or grade range as integer. Typically enrollment count is as of September 30.

`grade` Grades from Prekindergarten (PK) to Grade 12

`grade_range` all elementary school Grades, all middle school grades, all high school grades, or all grades (total enrollment). May also be used as a label for grade.

`race` Race/ethnicity. Enrollment by race/ethnicity is only available across all grades for years since 2020. "All" is used for data prior to 2020.

`date_created` Date record created.

`lss_number` Local school system (LSS) number as integer. NA is used in place of a LSS number for statewide data. Older LEA numbers are combined with LSS numbers in this dataset.

`lss_name` Local school system (LSS) names (typically same as county name). "State" is used in place of a LSS name for statewide data. Older LEA names are combined with LSS names in this dataset.

## Source

[MSDE Data Downloads](#)

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msde\_student\_mobility *Maryland Student Mobility (SY 2003-2022)*

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## Description

Student mobility data from the Maryland State Department of Education (MSDE). The original CSV data files downloaded from MSDE are available in the `data-raw/extdata` folder on the GitHub repo for the package. Mobility refers to the movement of students from one school to another during the school year. Three types of mobility are calculated using student entrants and student withdrawals: Total student mobility, entry mobility, and exit mobility. Student mobility is the percentage of students that either enter or withdraw from a school during the school year. To calculate student mobility, the number of entrants is added to the number of withdrawals and that sum is divided by the average daily student enrollment.

## Usage

```
msde_student_mobility
```

## Format

A data frame with 33,378 rows and 14 variables:

`year` School or academic year for enrollment count, e.g. 2019 data is from the start of the 2019-2020 school year.

`school_number` School number as integer (0 indicates all schools)

`school_name` School name

`school_type` School type (e.g. Elementary, Middle, High)

`mobile_pct` Student total mobility rate

`entry_pct` Student entry mobility rate

`exit_pct` Student exit mobility rate

`mobile_count` Student entry and exit count

`entry_count` Student entry count

`exit_count` Student exit count

`avg_enrolled_count` Average daily student enrollment.

`date_created` Date record created.

`lss_number` Local school system (LSS) number as integer. NA is used in place of a LSS number for statewide data. Older LEA numbers are combined with LSS numbers in this dataset.

`lss_name` Local school system (LSS) names (typically same as county name). "State" is used in place of a LSS name for statewide data. Older LEA names are combined with LSS names in this dataset.

## Source

[MSDE Data Downloads](#)

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