**Fox Valley Data Exchange**

**Data Structure and Framework Action and Advisory Team**

**Data Source Document**

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# Data Source/Topic

|  |  |
| --- | --- |
| **Identifier** | FVDEX-PP-8 |
| **Data Source Name** | WISEdata |
| **Data Source Link if any** | [WISEdash Public Portal - Department of Public Instruction](https://wisedash.dpi.wi.gov/Dashboard/dashboard/18110?filtersetId=13923faa-1930-4aae-b674-2fb2d3aa62fa)  [WISEdash Data Files by Topic | Wisconsin Department of Public Instruction](https://dpi.wi.gov/wisedash/download-files)  Download Type = ‘Enrollment’  Input: the files that are named as Enrollment\_certified\_2023-24.zip  including past years |
| **Topic Name or other specifics within data source** | Public School Enrollment K-12 |
| **Vital Condition** | Lifelong Learning |
| **Requested by (name)** | Sarahjean Schluechtermann |
| **Update frequency** | Yearly in September |
| **Cost to obtain** | free |
| **Contact to obtain** | none |
| **Recorded by (Data Dingo conducting interview)** | Susan Conzelman |
| **Technical Solution** | Shaaz Anaam |

# Use Case

# File Dimensions

## Input File

Enrollment\_certified\_Download File layout

Add instructions on the download

Add instructions on the joins to all the downloaded extracts.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field No | Field Name | Field Datatype | Length | Field Description |
| 1 | SCHOOL\_YEAR | Text | 7 | School year of enrollment |
| 2 | AGENCY\_TYPE | Text | 50 | School/district type |
| 3 | CESA | Text | 10 | Cooperative Educational Service Agency |
| 4 | COUNTY | Text | 50 | County of main district office |
| 5 | DISTRICT\_CODE | Text | 10 | District code - Unique 4 digit code assigned by DPI |
| 6 | SCHOOL\_CODE | Text | 10 | School code - 4 digit code unique within district and assigned by DPI |
| 7 | GRADE\_GROUP | Text | 50 | School grade group. Grade ranges of schools in the same GRADE\_GROUP may vary. See also LOW\_GRADE and HIGH\_GRADE |
| 8 | CHARTER\_IND | Text | 4 | Whether school/district is a charter |
| 9 | DISTRICT\_NAME | Text | 100 | District name |
| 10 | SCHOOL\_NAME | Text | 100 | School name |
| 11 | GROUP\_BY | Text | 50 | Data group - student attribute name |
| 12 | GROUP\_BY\_VALUE | Text | 200 | Data group - student attribute value |
| 13 | STUDENT\_COUNT | Text | 20 | Count of students in the data group or subgroup enrolled on the 3rd Friday of September |
| 14 | PERCENT\_OF\_GROUP | Text | 20 | Percent this group is of all students enrolled on TFS |

## File Lookups

In addition to the input file, we have other files that have further information needed to format the data for Metopio:

### School Address File

WISEdash allows us to download the school directory file where we can get the zip code and city of the school to use for those aggregation layers. Do this lookup for every row in the Input File to add City and Zip.

Sd-export-public-schools-20241208.1059 (each year a new version needs to be downloaded)

|  |  |  |
| --- | --- | --- |
| Column | Column Heading | Comment |
| A | LEA Code | Join DISTRICT\_CODE |
| C | School Code | Join SCHOOL\_CODE |
| J | City | Set to “ERROR” if not found. |
| L | Zip | Set to “ERROR” if not found. |

### Stratifications File

Stratifications in Metopio each have a unique code. We need to translate the Group by fields and values into the ones we added there.

PP8 Stratifications

|  |  |  |
| --- | --- | --- |
| Column | Column Heading | Comment |
| A | GROUP\_BY | Join to GROUP\_BY |
| B | GROUP\_BY\_VALUE | Join to GROUP\_BY\_VALUE |
| C | Stratification | Use this value in the output file |

### Places File

Fox Valley Data Exchange Places GEIODs is a .csv file with this format. We use this file to obtain the GEOID used in Metopio for each place. This lookup is done differently for each aggregation layer below.

For GEOID = 5572725, change the Name to ‘Seymour’ before doing any lookups.

|  |  |  |
| --- | --- | --- |
| Column | Column Heading | Comment |
| A | Layer | Filter or join to the layer needed:  Region  County  Zip Code  City or town  Census tract |
| B | Name | Join to this field using the input file |
| C | GEOID | Set to “ERROR” if not found. |

## Output File

Format a .csv file with rows for each geographic layer. Steps:

1 – Read the above file and perform the transformations detailed for each geographic layer below.

2 – sum (value) by all the other columns

Common Filters for every level:

Group Value not = ‘[Data Suppressed]’

STUDENT\_COUNT not = ‘\*’

### Statewide Layer

Filter to:

DISTRICT\_NAME = [Statewide]

|  |  |
| --- | --- |
| **Column Name** | **Comment (granularity/sample values/aggregation method for measures)** |
| layer | ‘State’ |
| geoid | ‘WI’ |
| topic | ‘FVDEYLCV’ |
| stratification | See above notes |
| period | SCHOOL YEAR, but insert ‘20’ on the second year’s range (after the hyphen). So 2023-24 becomes 2023-2024 |
| value | STUDENT\_COUNT |

### Tri-County Layer

Filter to:

COUNTY = ‘Outagamie’, ‘Winnebago’, and ‘Calumet’

SCHOOL\_NAME = ‘[Districtwide]’

|  |  |
| --- | --- |
| **Column Name** | **Comment (granularity/sample values/aggregation method for measures)** |
| layer | ‘Region’ |
| geoid | ‘fox-valley’ |
| topic | ‘FVDEYLCV’ |
| stratification | See above notes |
| period | SCHOOL YEAR, but insert ‘20’ on the second year’s range. So 2023-24 becomes 2023-2024 |
| value | STUDENT\_COUNT |

### County Layer

Filter to:

COUNTY = ‘Outagamie’, ‘Winnebago’, and ‘Calumet’

SCHOOL\_NAME = ‘[Districtwide]’

|  |  |
| --- | --- |
| **Column Name** | **Comment (granularity/sample values/aggregation method for measures)** |
| layer | ‘County’ |
| geoid | See notes above.  Filter Places source to Layer = ‘County’  Concatenate Input “COUNTY”, ‘ County, WI’ and match to Places.Name to get GEOID |
| topic | ‘FVDEYLCV’ |
| stratification | See above notes |
| period | SCHOOL YEAR, but insert ‘20’ on the second year’s range. So 2023-24 becaomes 2023-2024 |
| value | STUDENT\_COUNT |

### Zip Code Layer

Filter to:

COUNTY = ‘Outagamie’, ‘Winnebago’, and ‘Calumet’

SCHOOL\_NAME does not start with ‘[‘

|  |  |
| --- | --- |
| **Column Name** | **Comment (granularity/sample values/aggregation method for measures)** |
| layer | ‘Zip Code’ |
| geoid | Zip from School Address logic above |
| topic | ‘FVDEYLCV’ |
| stratification | See above notes |
| period | SCHOOL YEAR, but insert ‘20’ on the second year’s range. So 2023-24 becaomes 2023-2024 |
| value | STUDENT\_COUNT |

### City or town Layer

Filter to:

COUNTY = ‘Outagamie’, ‘Winnebago’, and ‘Calumet’

SCHOOL\_NAME does not start with ‘[‘

|  |  |
| --- | --- |
| **Column Name** | **Comment (granularity/sample values/aggregation method for measures)** |
| layer | ‘City or town’ |
| geoid | Filter the Place file to Layer = ‘City or town’.  Find the city for the school using the notes above to lookup School Address.  Concatenate to ‘, WI’  Match the concatenated SchoolAddress.City = Place.Name to get the GEOID  Set to “ERROR” if not found  3 towns are not included in the places file. Asked Metopio to add them. |
| topic | ‘FVDEYLCV’ |
| stratification | See above notes |
| period | SCHOOL YEAR, but insert ‘20’ on the second year’s range. So 2023-24 becaomes 2023-2024 |
| value | STUDENT\_COUNT |

### Census Tract Layer

Asked Metopio how to derive Census Tract from the school address.

Filter to:

COUNTY = ‘Outagamie’, ‘Winnebago’, and ‘Calumet’

SCHOOL\_NAME not starting with ‘[’

|  |  |
| --- | --- |
| **Column Name** | **Comment (granularity/sample values/aggregation method for measures)** |
| layer | ‘Census Tract’ |
| geoid | Filter the Place file to Layer = ‘Census Tract’  Not sure yet how to do this. |
| topic | ‘FVDEYLCV’ |
| stratification | See above notes |
| period | SCHOOL YEAR, but insert ‘20’ on the second year’s range. So 2023-24 becaomes 2023-2024 |
| value | STUDENT\_COUNT |

### School District Layer

This does not exist in Metopio yet. I asked for it and will update if we receive it. Until then, this will not be included.

Filter to:

COUNTY = ‘Outagamie’, ‘Winnebago’, and ‘Calumet’

SCHOOL\_NAME = ‘[Districtwide]’

|  |  |
| --- | --- |
| **Column Name** | **Comment (granularity/sample values/aggregation method for measures)** |
| layer | ‘School District’ |
| geoid | Filter the Place file to Layer = ‘School District’.  Match DISTRICT\_NAME = Place.Name to get geoid |
| topic | ‘FVDEYLCV’ |
| stratification | See above notes |
| period | SCHOOL YEAR, but insert ‘20’ on the second year’s range. So 2023-24 becaomes 2023-2024 |
| value | STUDENT\_COUNT |

# Authenticity

Head count of students who receive their primary PK-12 educational services either (1) directly from school district employees or (2) from third parties\*\* under the direct supervision of the school district. If a district is accountable for a student's educational outcomes, then the student is included in the district's enrollment counts, regardless of the location of or schedule for service delivery. Students need not occupy a seat in a school building to be counted. Criteria that apply to counting of students in school districts also apply to non-district charter schools (under s. 118.40(2r) , Wis. Stats.). When enrollment is as of the 3rd Friday of September, students must have either been actively receiving services on that date or be absent but receiving those services before and after that date. The 2nd Friday of January count is based on enrollment during any period of time which includes the count date rather than enrollment gathered as of the specific date.

*\*\*Third parties might include technical colleges, community-based organizations, nonprofit-nonsectarian agencies, universities, school to work program providers, Cooperative Educational Service Agencies (CESAs), out-of-state school districts, private schools, residential care centers, Wisconsin Center for the Blind and Visually Impaired, Wisconsin School for the Deaf, County Children with Disabilities Education Board schools, etc.*

*Link to Glossary of terms used in stratifications*

[WISEdash Help: Glossary of Terms Used in WISEdash Public Portal | Wisconsin Department of Public Instruction](https://dpi.wi.gov/wisedash/help/glossary)

[WISEdata | Wisconsin Department of Public Instruction](https://dpi.wi.gov/wisedata#What%20Is%20WISEdata?)

WISEdata is a multi-vendor, open data collection system that allows school districts, charter schools, and private schools participating in a parental Choice program to submit data to the Department of Public Instruction (DPI) from the student information system (SIS) vendor of their choice.

# Comments