

# Package ‘misuvi’

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**Type** Package

**Title** Access the Michigan Substance Use Vulnerability Index (MI-SUVI)

**Version** 0.1.0

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**Description** Easily import the MI-SUVI data sets. The user can import data sets with full metrics, percentiles, Z-scores, or rankings. Data is available at both the County and Zip Code Tabulation Area (ZCTA) levels. This package also includes a function to import shape files for easy mapping and a function to access the full technical documentation. All data is sourced from (<<https://www.michigan.gov/opioids/category-data>>).

**License** CC0

**URL** <https://github.com/brendensm/misuvi>

**Encoding** UTF-8

**Depends** R (>= 2.10)

**RoxygenNote** 7.3.1

**Imports** curl, sf, tigris

**NeedsCompilation** no

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**Repository** CRAN

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add\_geometry *Add shape files to your data*

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**Description**

This function queries shape files from the tigris package. This function returns an sf object.

**Usage**

```
add_geometry(x)
```

**Arguments**

x a data frame for which you want to add shape files to. Must be one of the MI-SUVI data sets.

**Value**

an sf data.frame of MI-SUVI data.

**Examples**

```
my_data <- misuvi_load() |> add_geometry()
```

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dictionary *View misuvi data dictionary*

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**Description**

This package provides a tidy version of the MI-SUVI data sets. This function returns a data frame of the cleaned variable names and the original variable names.

**Usage**

```
dictionary()
```

**Value**

A data.frame of the abbreviated and full names of the MI-SUVI variables.

**Examples**

```
dictionary()
```

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documentation	<i>View the MI-SUVI Documentation</i>
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**Description**

This function opens up a PDF of the MI-SUVI documentation in your web browser.

**Usage**

```
documentation()
```

**Value**

NULL, opens a web browser of the technical documentation.

**Examples**

```
documentation()
```

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misuvi_load	<i>Load MI-SUVI Data</i>
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**Description**

This function allows the user to select the MI-SUVI data set they want returned.

**Usage**

```
misuvi_load(geography = "county", type = "metrics", moe = FALSE)
```

**Arguments**

geography	Choose the geographic level you want returned to you. "county" or "zcta".
type	Select the type of data frame you would like. Options include "metrics", "percentiles", "zcores", and "ranks".
moe	Logical – choose whether margin of error variables are returned. This applies to the "metrics" data sets only.

**Value**

A clean data.frame of MI-SUVI data.

**Examples**

```
zcta_metrics <- misuvi_load("zcta", "metrics")  
county_zscores <- misuvi_load("county", "zcores")
```

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