S|S / 4|A

This document provides instructions on how to obtain the necessary data and calculate the Average Annual Motor Vehicle-Involved Roadway Fatalities for inclusion in a Safe Streets and Roads for All (SS4A) grant application. The SS4A Notice of Funding Opportunity (NOFO) requires that applicants use the most recent five years of data available in the Fatality Analysis Reporting System (FARS). **FARS data** from **2017-2021 should be used**.

This document uses an example of **Washington County, Maryland** for collecting and calculating the data.

Retrieving Fatality Data from FARS

1. Go to the Fatality and Injury Reporting System Tool (FIRST) website to view the FARS data. At the top of the screen, select the tab for "**People**." Under "Select Fatality and/or Injury," select "**Persons Killed in Fatal Crashes**" and select **2017-2021** under "Time Frame."

2. To select a county or city, first select "State" and type in or select the state. Type in or select the county OR city in the appropriate box. Note: Users cannot select both cities and counties due to potential overlapping boundaries. In the example below, Maryland is selected as the state and Washington is selected as the county.

3. Click Submit.

4. The output will resemble the table below. The TOTAL number of Persons Killed in Fatal Crashes over the five-year period (**78**) is located in the bottom right cell of the table, highlighted in the table below.

Persons Killed in Fatal Crashes

| Year*	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
2017	3	0	1	3	1	1	1	2	0	1	1	0	14
2018	2	0	2	2	0	0	1	3	1	1	2	2	14
2019	4	1	2	0	2	2	1	1	3	7	4	1	28
2020	0	1	0	0	0	0	0	1	2	4	2	0	10
2021	1	1	1	1	0	2	1	2	1	0	2	0	12
Total	10	3	6	6	3	5	4	9	7	13	9	3	78

*Note that if there were no fatalities in the jurisdiction during one or more of the years, no row for that year will be shown.

Calculating Fatality Rate per 100,000 Population

Jurisdiction Population

For purposes of the FY24 SS4A application, you must use the 2020 U.S. Census American Community Survey (ACS) 5-year population estimate. The SS4A program recommends using the U.S. Department of Transportation (USDOT) Equitable Transportation Community (ETC) Explorer tool to obtain the population to use for the fatality rate calculation. For the purposes of this calculation, please include the entire Census tracts that are partially located in the jurisdiction selected in FIRST. Please refer to SS4A Calculating Percentage of Population in Underserved Communities fact sheet for more information on obtaining population estimates.

- According to the ETC Explorer tool, the **jurisdiction population** for Washington County, Maryland is **150,600.**
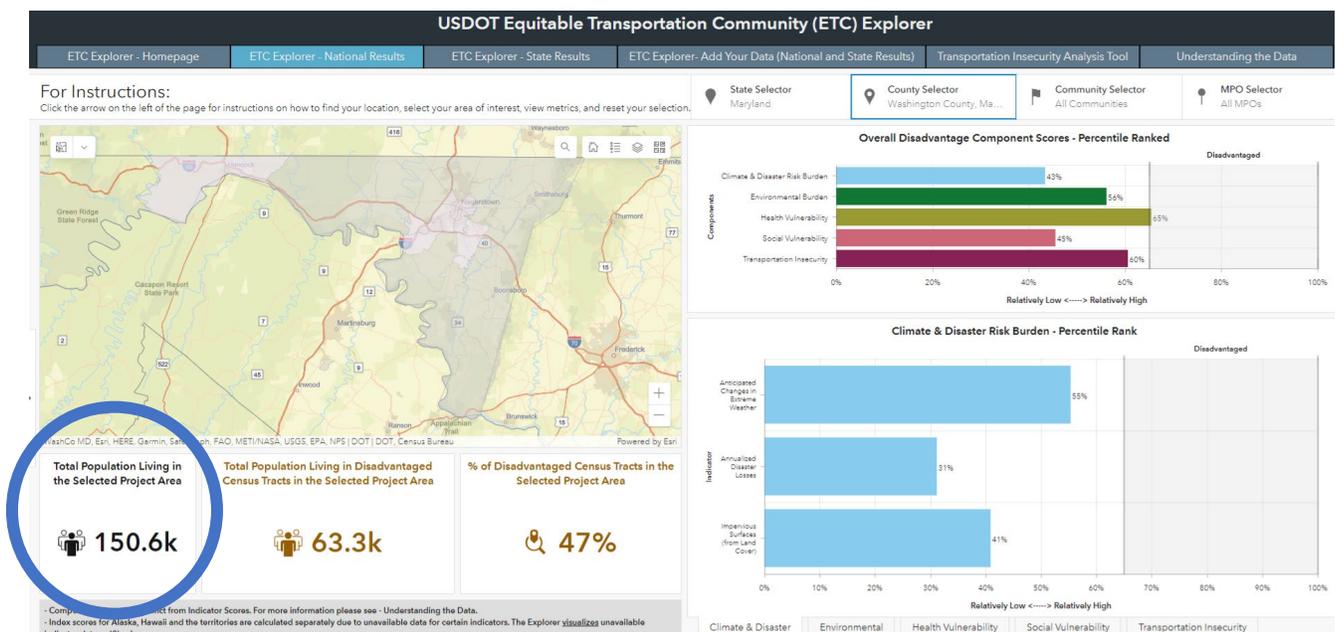
Average Annual Fatality Rate (per 100,000 population)

To calculate the Average Annual Fatality Rate (per 100,000 population), use the following equation:

$$\left(\frac{Total\ Number\ of\ Vehicle\ Crashes/5}{Jurisdiction\ Population\ \#}\right) * 100{,}000 = \left(\frac{\frac{78}{5}}{150{,}600}\right) * 100{,}000 = 10.4$$