Goal 4: Position central Ohio to attract and retain economic opportunity to prosper as a region and compete globally through sustainable practices and solutions
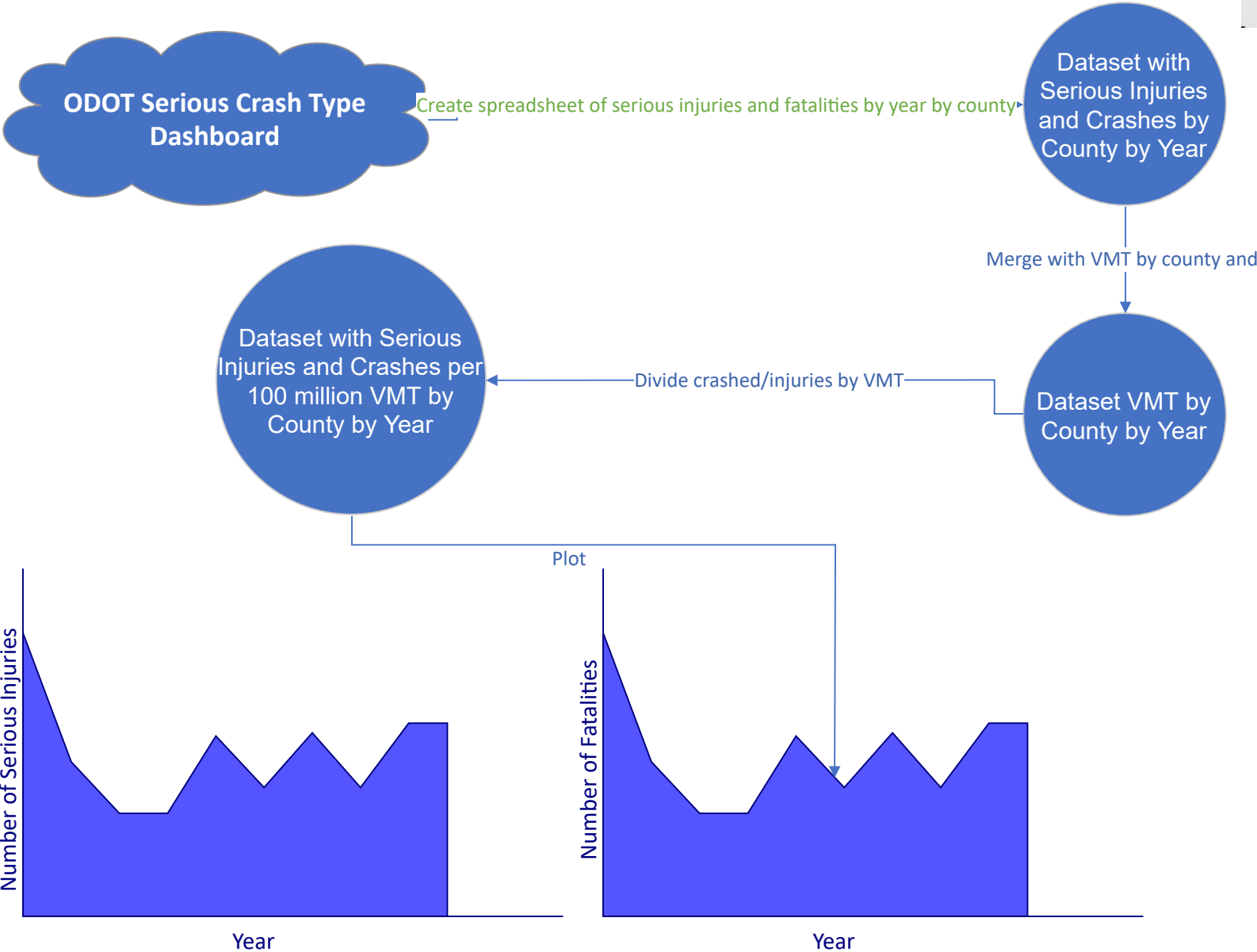
Objective 4.3: Reduce the number of fatalities and serious injuries from crashes

Metric: Number of fatalities and serious injuries from crashes
Unit of Measurement: Number of fatalities and serious injuries from crashes

Metric Data Source: Ohio Department of Transportation Serious Crash Type Dashboard
Sharing Method: Get data online

Target Value: 0.63 fatalities per 100 Vehicle Miles Traveled; 5.83 serious injuries per 100 Vehicle Miles Traveled; 10% reduction in nonmotorized fatalities and serious injuries from 2015
Baseline Value: Fatalities per 100 million VMT; Serious injuries per 100 million VMT; and Non-motorized fatal or serious injury crashed as of 2011
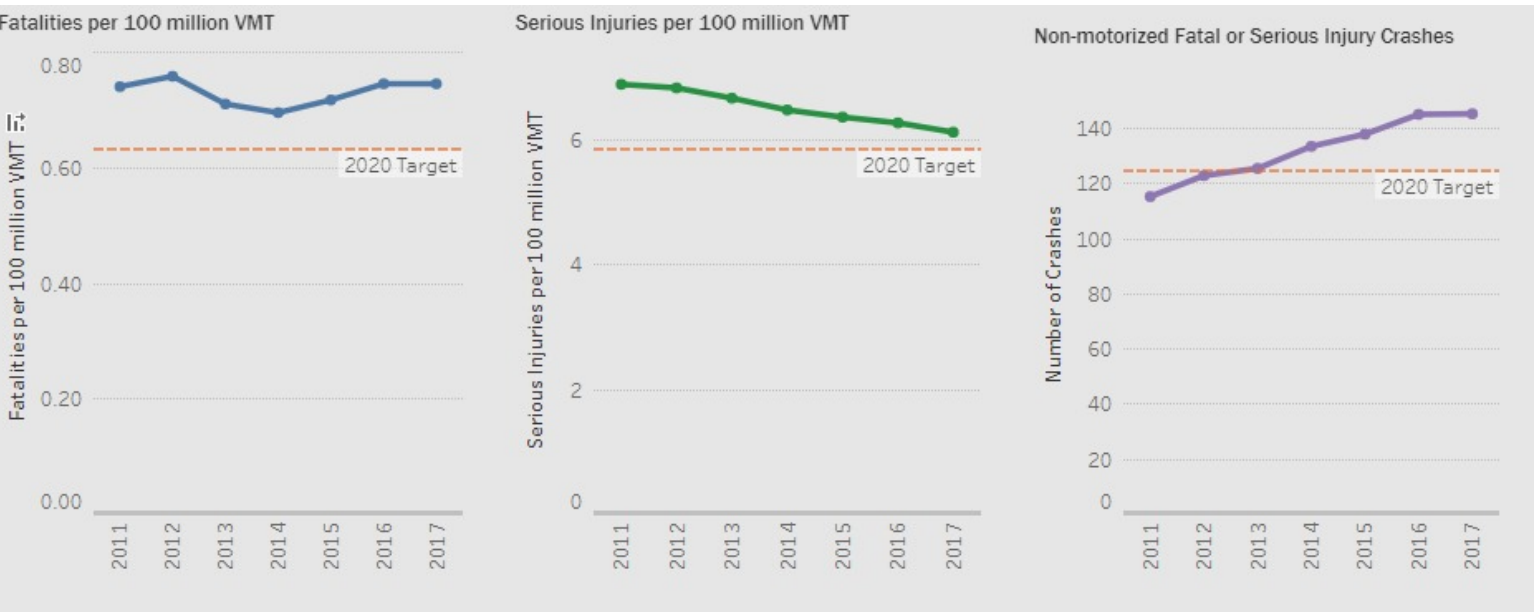
Automated Process
Manual Process
Processing Uncertain

ODOT Serious Crash Type Dashboard

Create spreadsheet of serious injuries and fatalities by year by county →

Dataset with Serious Injuries and Crashes by County by Year

Merge with VMT by county and

Dataset VMT by County by Year

← Divide crashed/injuries by VMT

Dataset with Serious Injuries and Crashes per 100 million VMT by County by Year

Plot

Desired output: Line graph of serious injuries by year

Desired output: Line graph of fatalities by year

Previous Visualization

Fatalities per 100 million VMT

Fatalities per 100 million VMT

0.80
0.60
0.40
0.20
0.00

2020 Target

2011 2012 2013 2014 2015 2016 2017

Serious Injuries per 100 million VMT

Serious Injuries per 100 million VMT

6
4
2
0

2020 Target

2011 2012 2013 2014 2015 2016 2017

Non-motorized Fatal or Serious Injury Crashes

Number of Crashes

140
120
100
80
60
40
20
0

2020 Target

2011 2012 2013 2014 2015 2016 2017

Suggested Text

year

In 2017, the state of Ohio had the 6th highest number of traffic fatalities in the country, accounting for more than 3 percent of all fatalities nationwide. While traffic fatalities across the U.S. decreased overall between 2016 and 2017, there was a 4 percent increase in Ohio. This represented the fourth year in a row that traffic fatalities have increased in Ohio. Similar to statewide trends, traffic fatalities in Central Ohio increased by 27.8 percent over the 2013-2017 time period, while the number of serious injuries decreased by slightly more than 4 percent.

Even one death or serious injury is too many. As the region continues to grow, it is imperative to focus on increasing transportation safety. MORPC has developed the Central Ohio Transportation Safety Plan in collaboration with local, state, and private sector organizations throughout the region.

Websites:
MORPC Transportation Safety: http://www.morpc.org/program-service/transportation-safety/

Central Ohio Transportation Plan: http://www.morpc.org/wordpress/wp-content/uploads/2019/09/Central-Ohio-Transportation-Safety-Plan-2019-web.pdf

MORPC Local Safety Initiative: http://www.morpc.org/tool-resource/local-safety-initiative/

ODOT Transportation Safety Dashboard: https://app.powerbigov.us/view?r=eyJrIjoiYjg5YjBiNzItMGFjYy00NmY1LWE1ZTItZWRmZGUyMDE0NWExIiwidCI6IjUwZjhmY2M0LTk0ZDgtNGYwNy04NGViLTM2ZWQ1N2M3YzhhMiJ9

Towards Zero Deaths: http://zerodeaths.ohio.gov/