Hillsborough County Safety Dashboard

Community and Infrastructure Planning Department

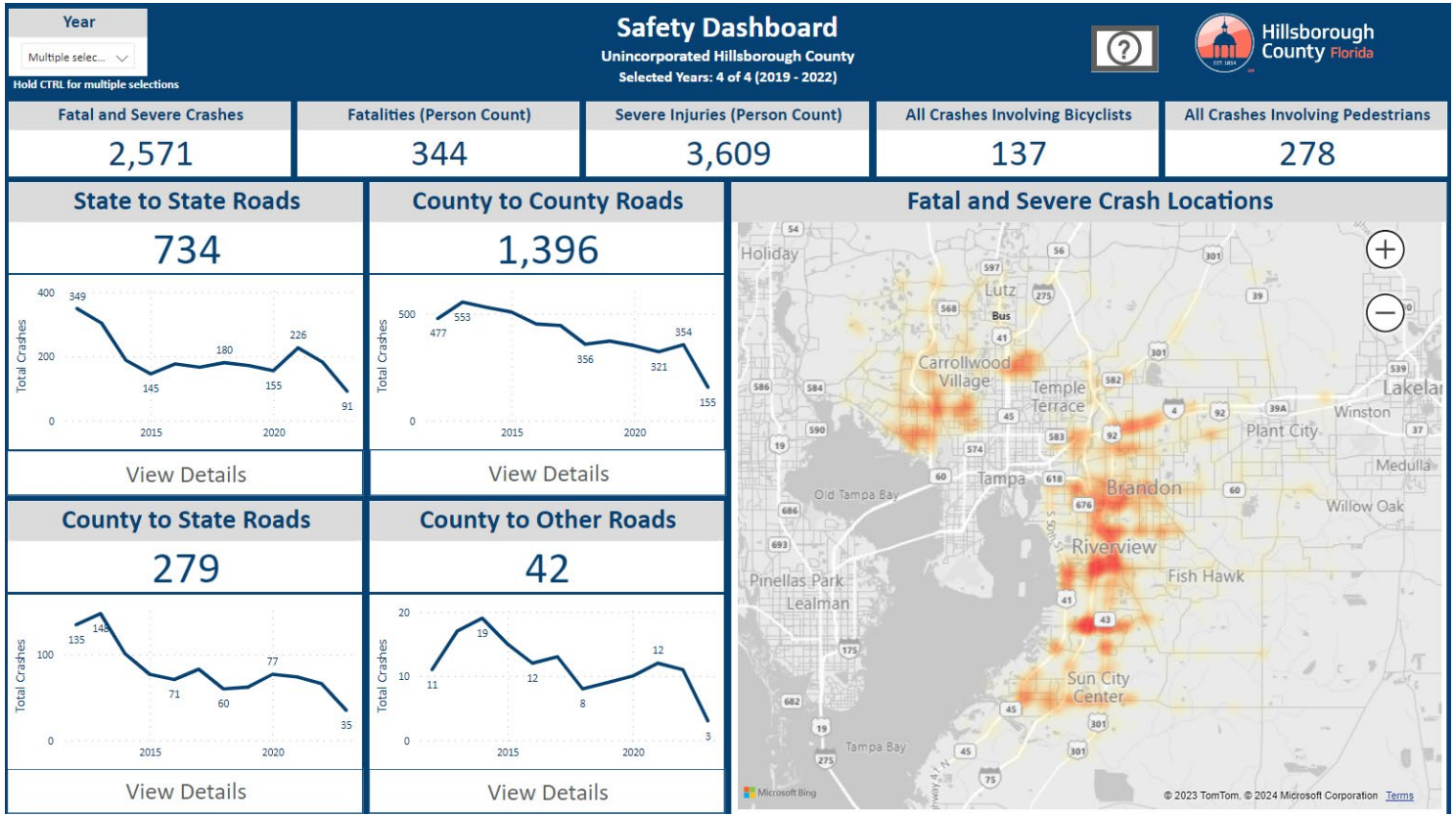
Community Traffic Safety Team (CTST)
January 24, 2024

Hillsborough County Florida

Hillsborough County and the Safe System Approach

- Safety Dashboard
- Data Analysis
- Safety Coordination Research
- Safer Roadways: A Complete Street Guide
- Palm River Community
- Wimauma Downtown Revitalization Action Plan

Hillsborough County Safety Dashboard



The Safety dashboard is a public facing tool that provides access and facilitates access to data about crashes that have occurred on Unincorporated Hillsborough County's roadways.

Hillsborough County Safety Dashboard

- Hillsborough County worked with UF to get access to the data and coordinated with FLHSMV to get approval on the disclaimer and the dashboard.

- The Safety dashboard pulls its data from the Signal4Analytics platform and Power BI is the data visualization environment of the dashboard.

- The dashboard is open to the public.

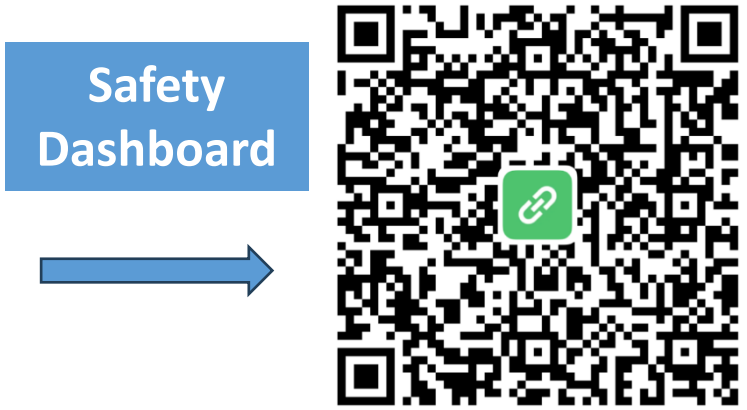
Safety Dashboard

Hillsborough County Safety Dashboard

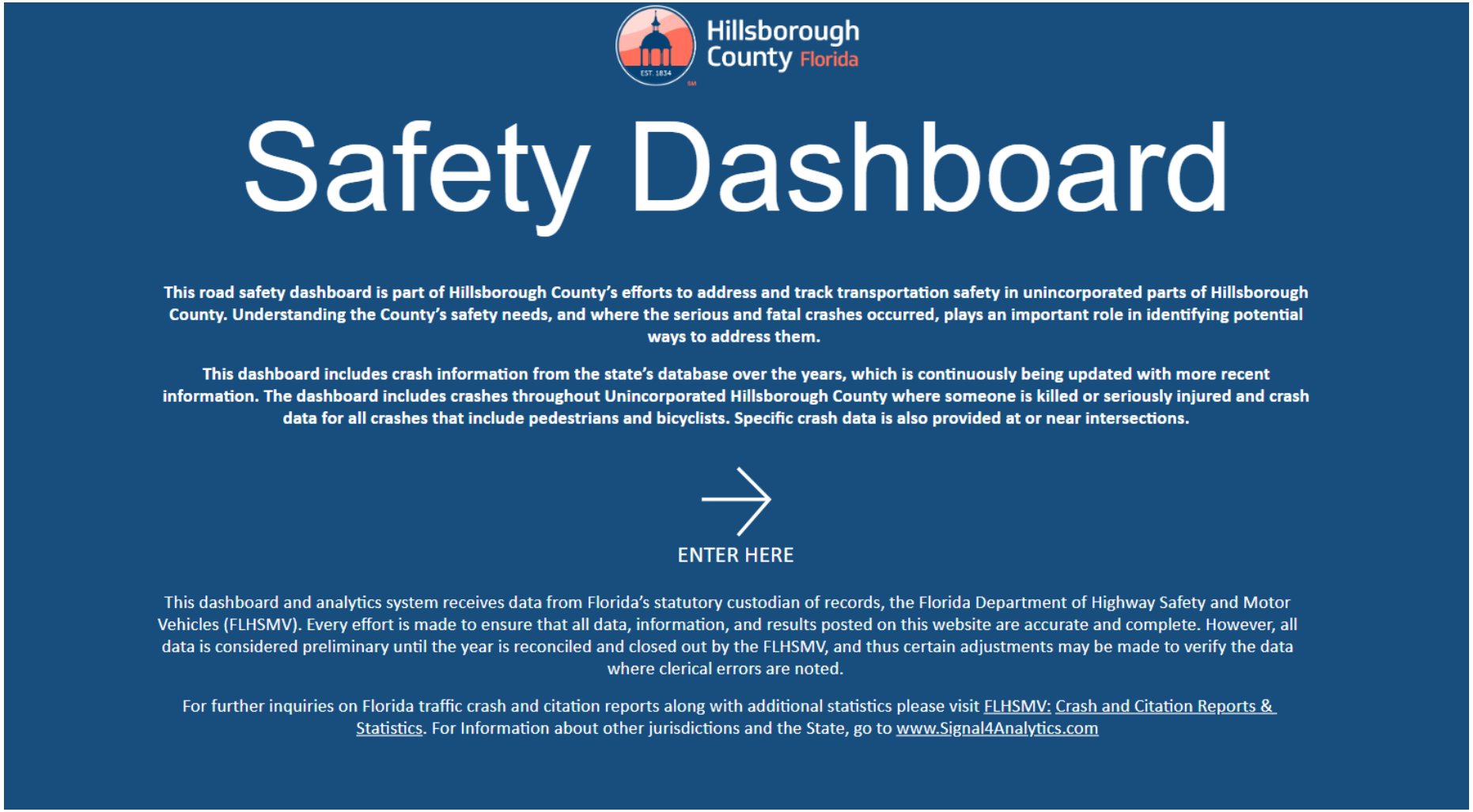
The Safety Dashboard:

- focuses on fatal and incapacitating crashes at intersections in Unincorporated Hillsborough County,
- considers crashes in the influence area, 250 feet, from intersections,
- categorizes the intersections based on ownership,
- analyzes data at different levels of resolution, spatially and temporally, and
- provides the ability to filter based on years and areas in the county.

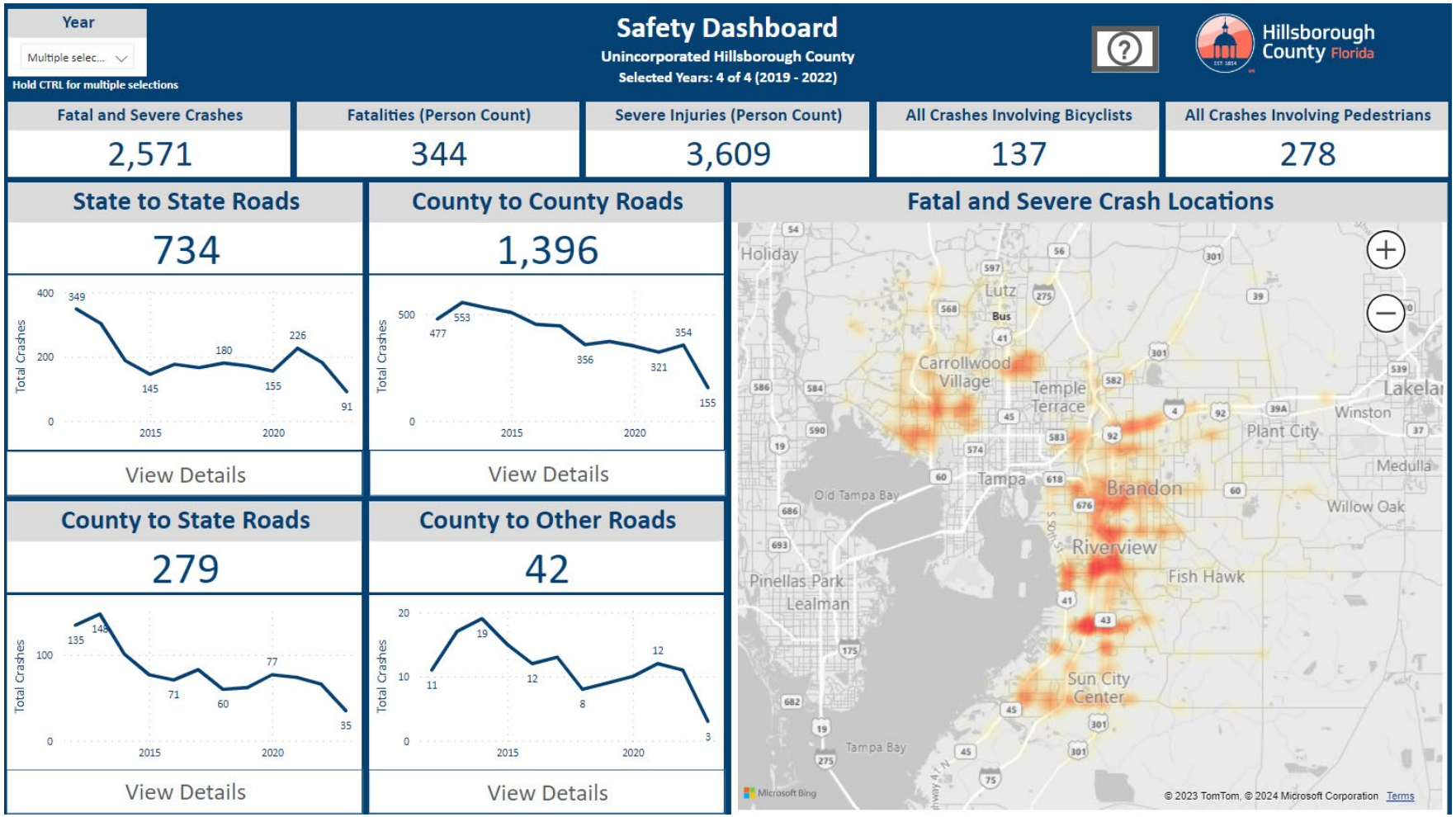
Safety Dashboard



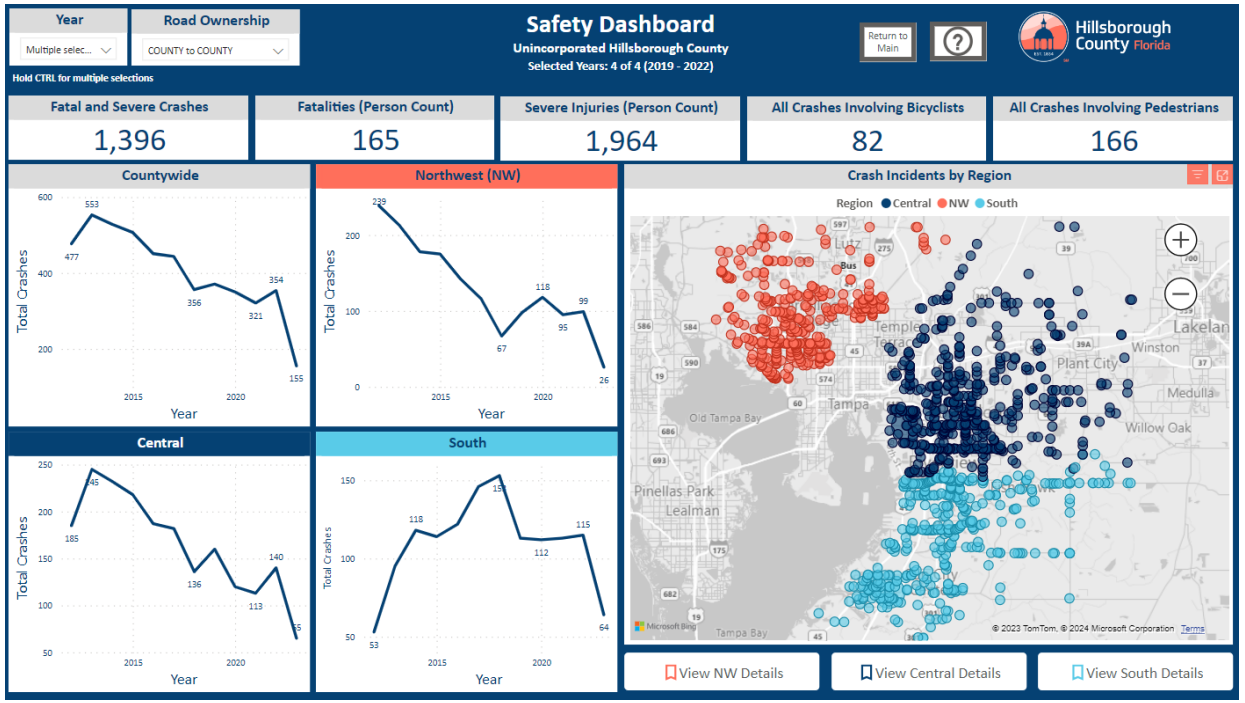
Safety Dashboard

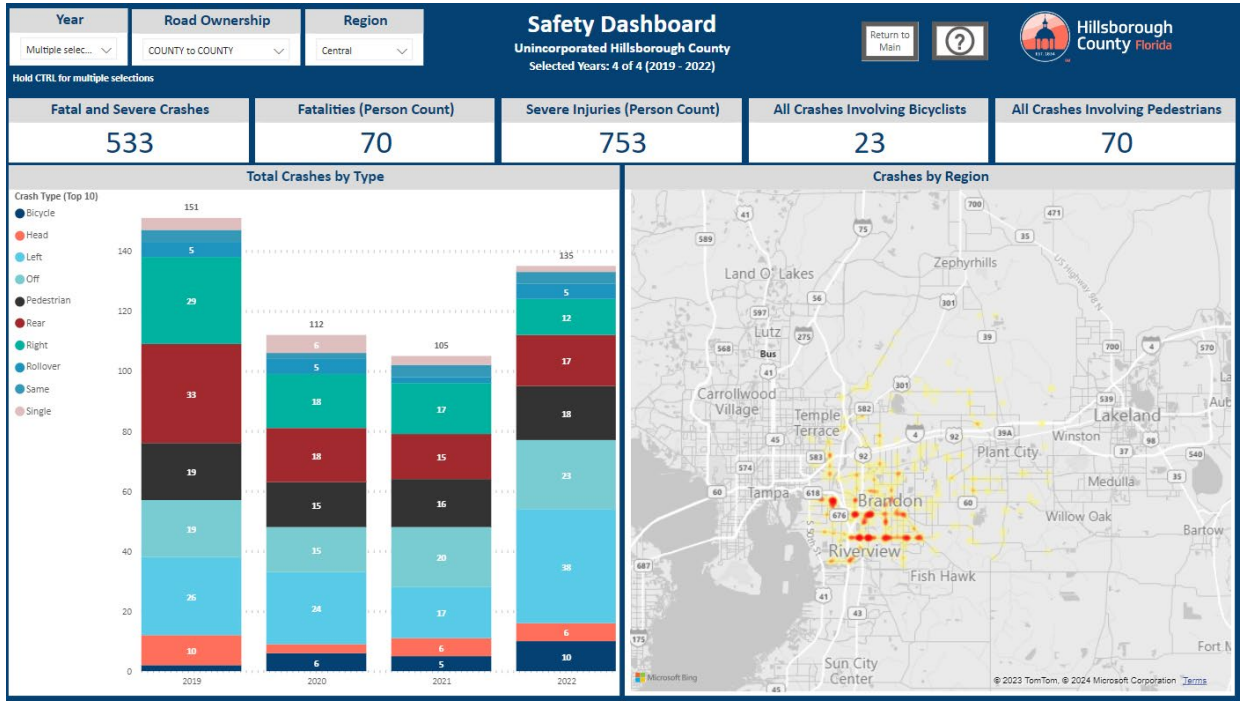


Safety Dashboard



Safety Dashboard





- The dashboard allows filtering by year, roadway ownership, and area (countywide, northwest, central, and south).

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Live Demo:

[Microsoft Power BI (powerbigov.us)]

Safety Dashboard

Limitations to the Signal4 Data and Ongoing Efforts

- Signal4 data has the below limitations:
  - It doesn't include information/data from the perspective of fire rescue, especially response time.
  - There is no mutual identifier to link the law enforcement to fire rescue data.

- Hillsborough County is working on linking the law enforcement data to fire rescue data because the former dataset is very detailed which will assist with analyzing time variables from the perspective of fire rescue for any given crash specification (severity level, bike and ped involvement, etc.).

Thank you

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