NJDOT Safety Voyager Demonstration

Local Road Safety Plans Webinar II

September 28, 2023

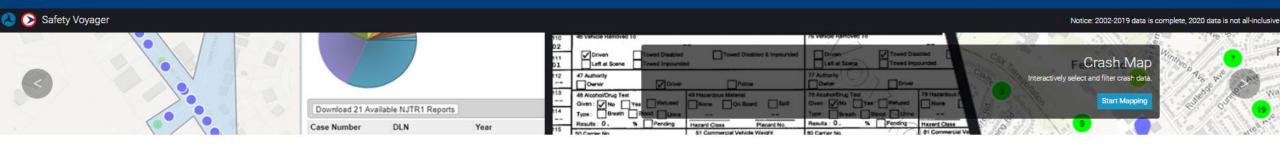




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North Jersey Transportation Planning Authority

NJDOT Safety Voyager







Safety Calendar

View crash data aggregated by the NHTSA Safety Calendar themes. Access to this feature is at the discretion of NJDOT. Please contact the administrator for access to the safety calendar



Instant synthesis of pedestrian and bicyclist related crashes.

View Dashboard »



Generate a crash attribute report that compares a jurisdiction with the statewide crash data.

View Reports »



Dynamic map based visualization of crashes involving pedestrians and bicyclists.

View Heatmap »



updated!

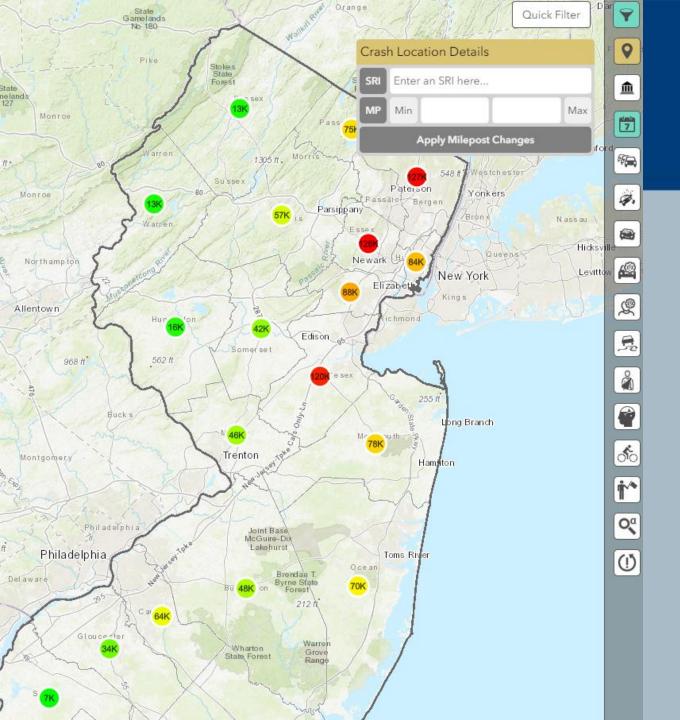
See the latest news and updates about Safety Voyager.

View Blog »

For Access Email admin@njvoyager.org



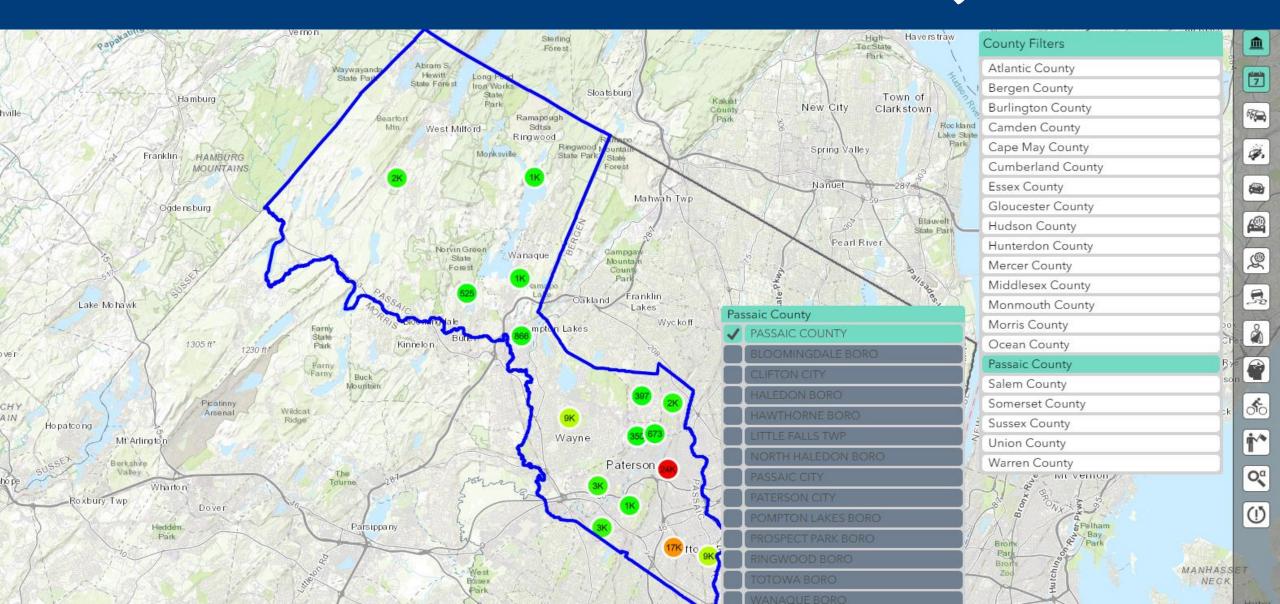




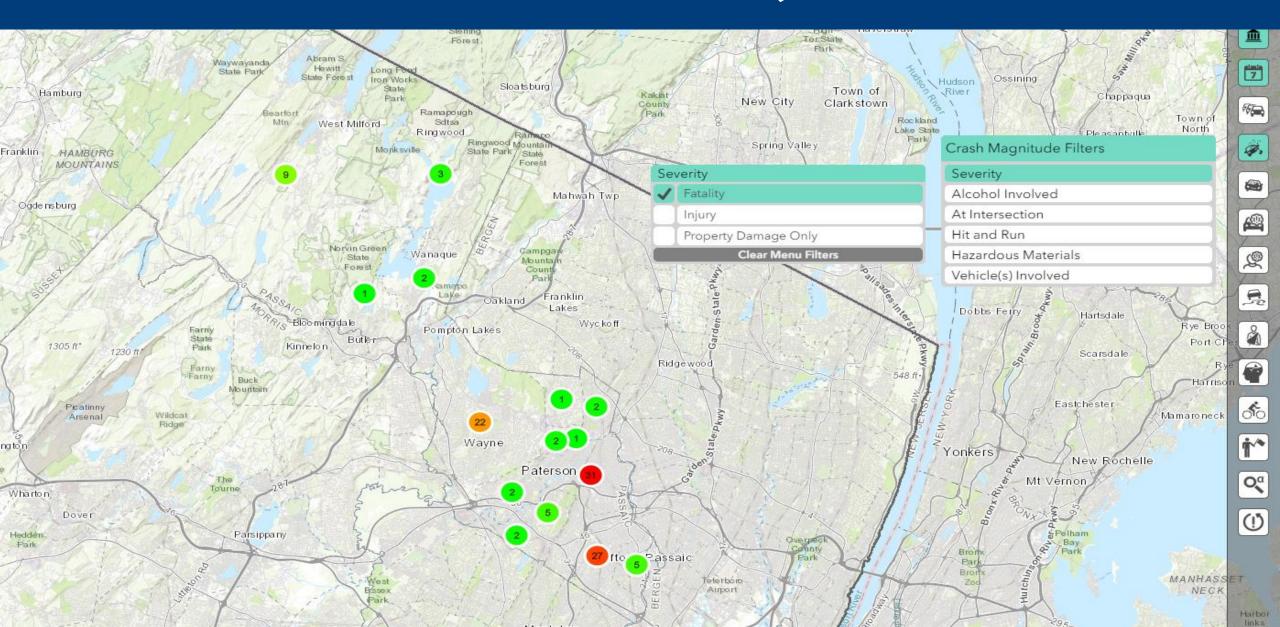
Crash Map Features

- Crash cluster selection
- Crash record selection
- Filter options
- Advanced visualization
- Crash grid
- Crash report summary

LSAP Use Case: Passaic County

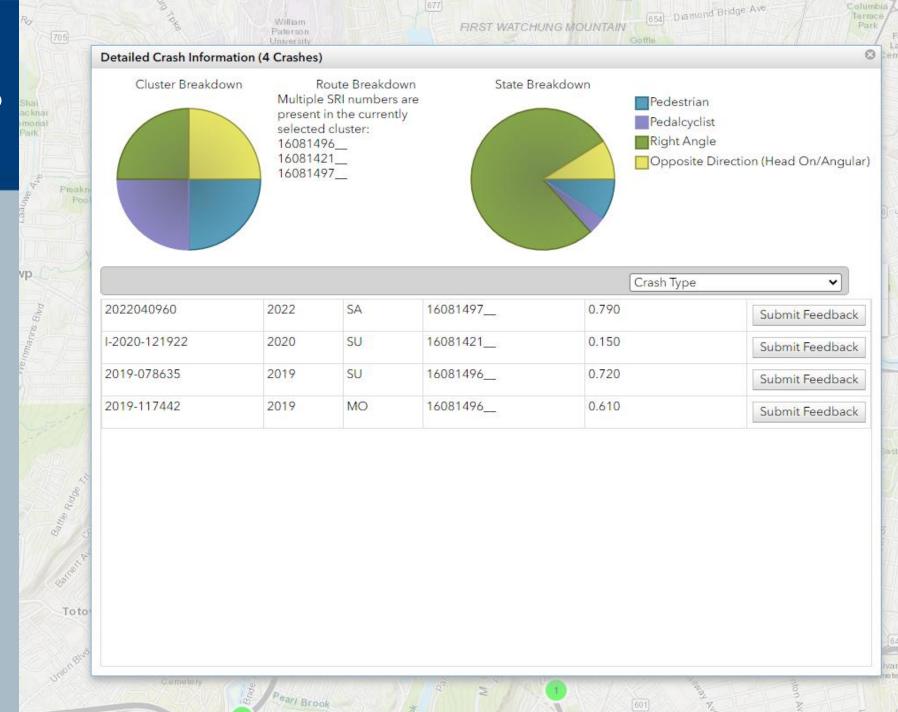


Filter: Severity



Crash Clusters

On-screen summary of crash clusters

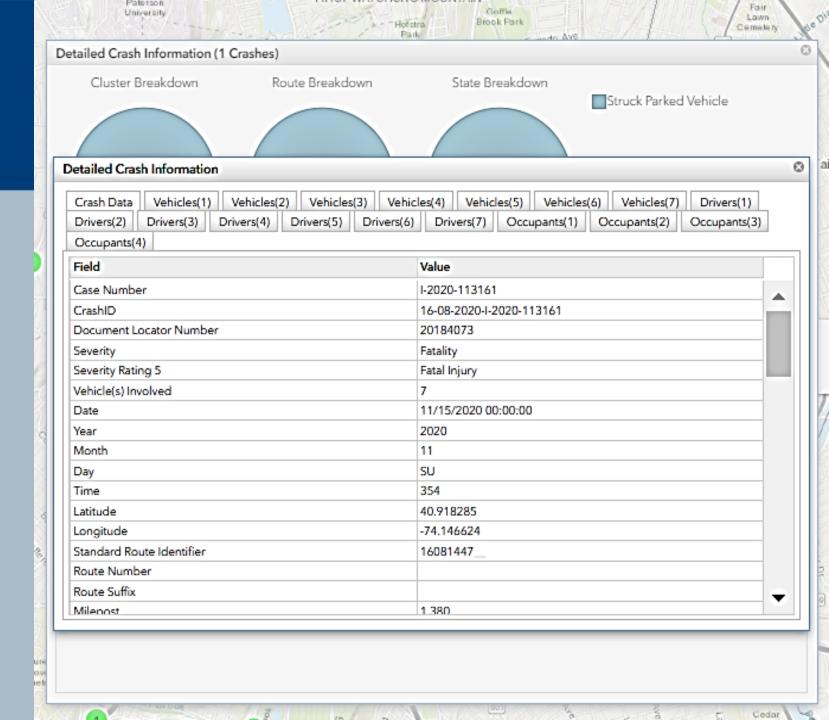




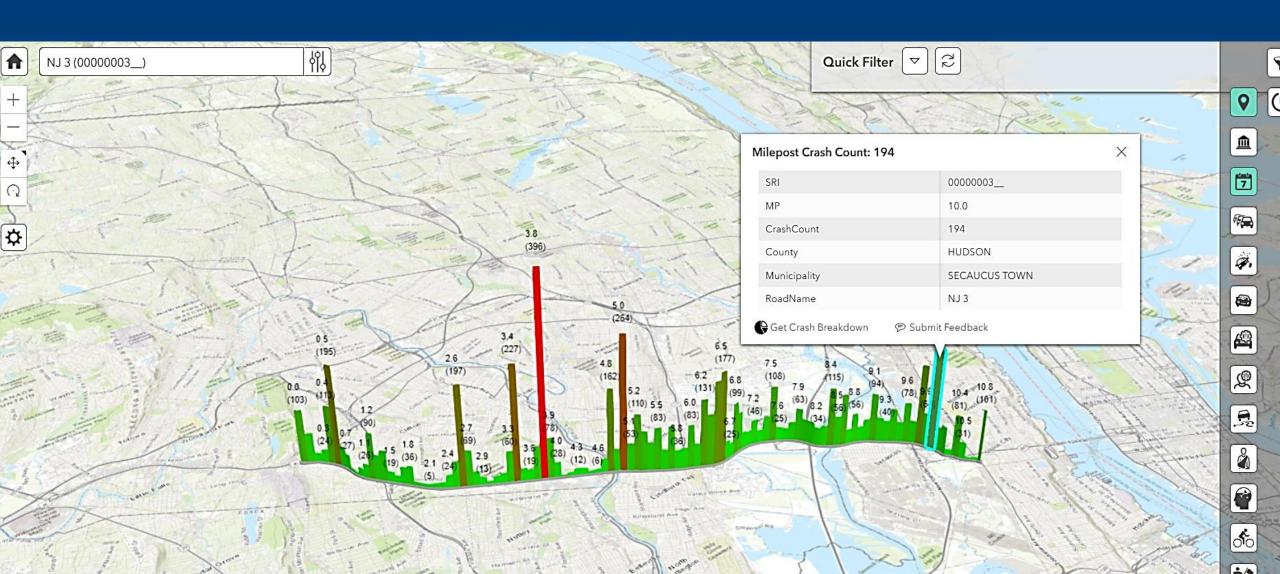
Crash Records

On-screen summary of individual crashes

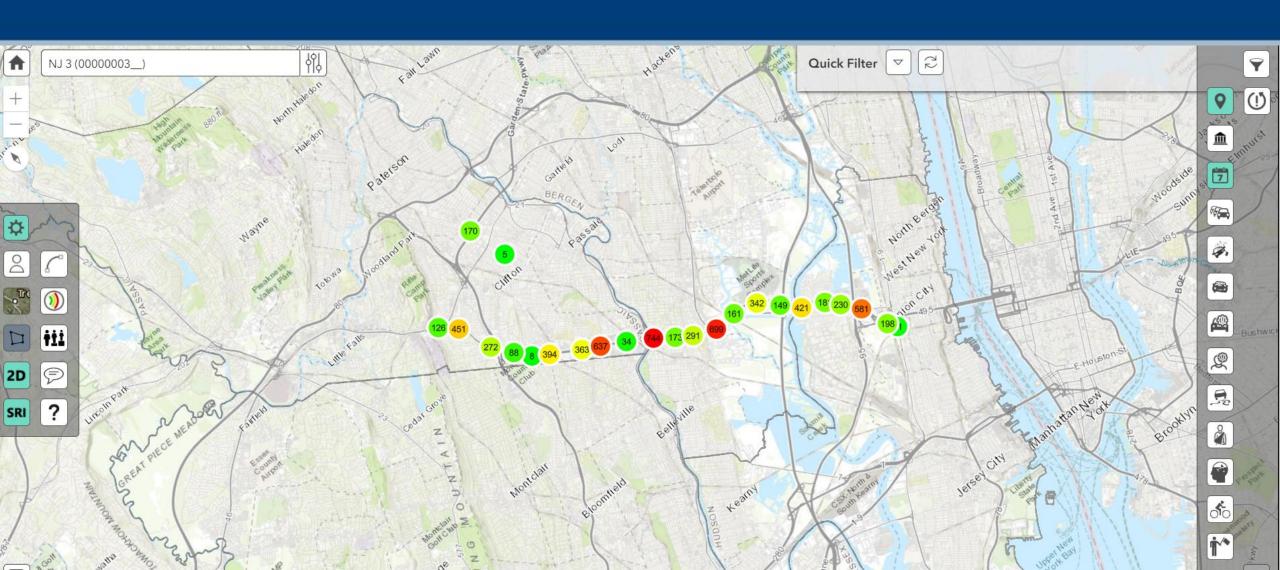
- Vehicle
- Driver
- Occupant
- Pedestrian
- Cyclist



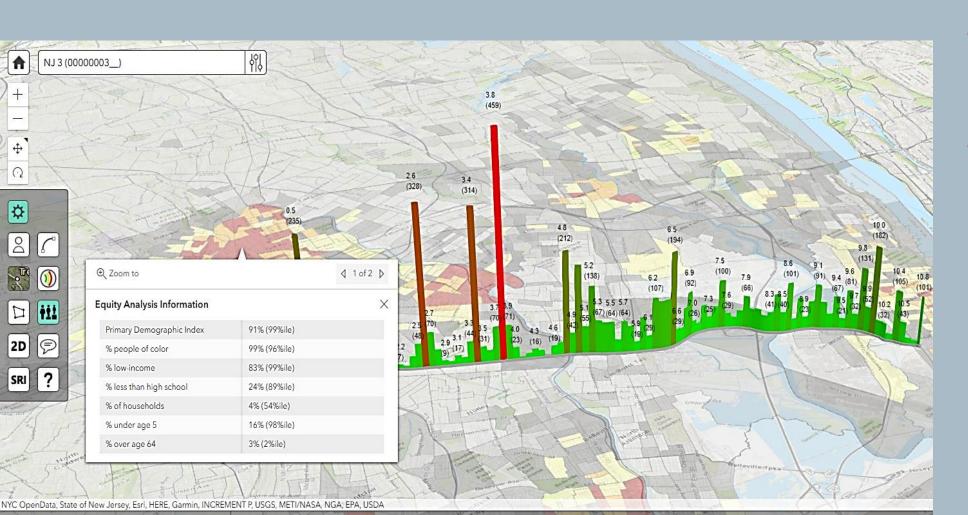
Corridor Selection



Corridor Selection

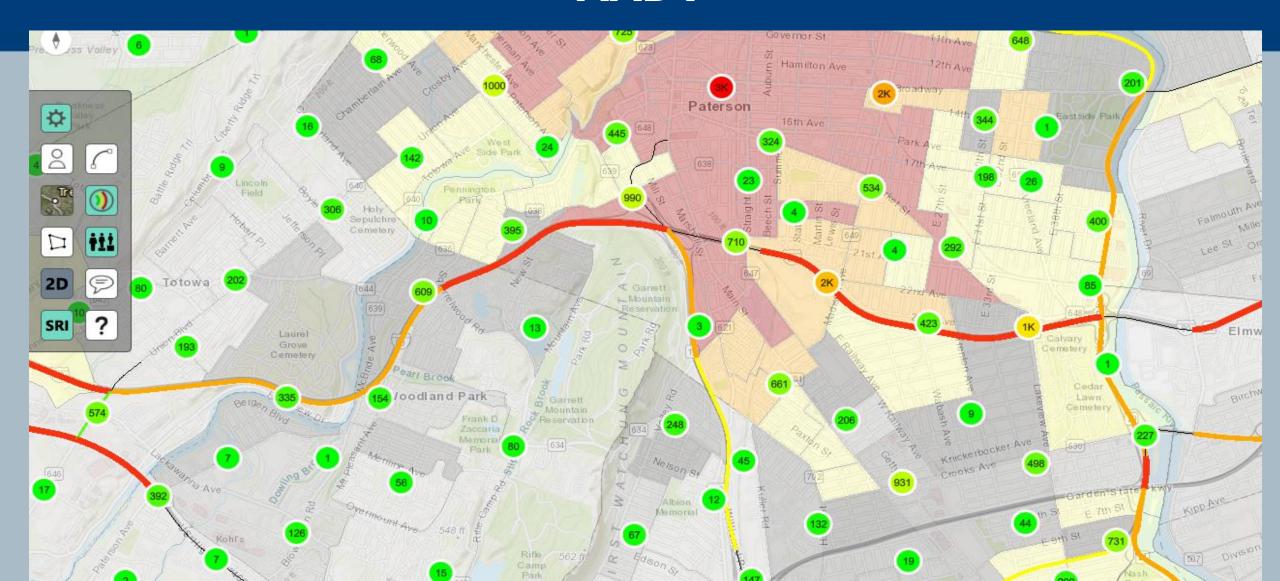


Advanced Visualizations: Equity



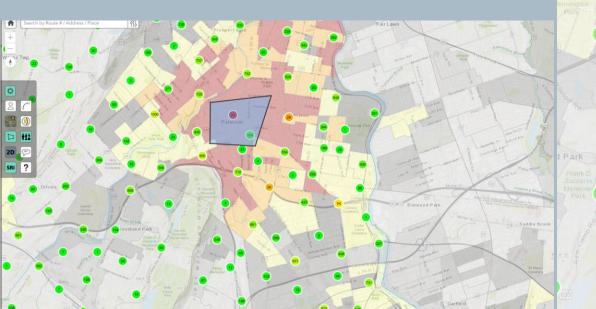
- DemographicIndex
- Percent:
 - Race
 - Education
 - Income
 - Language
 - Age

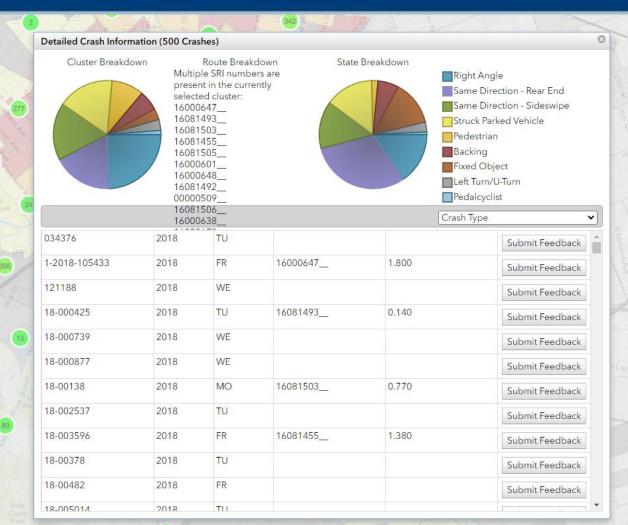
Advanced Visualizations: AADT



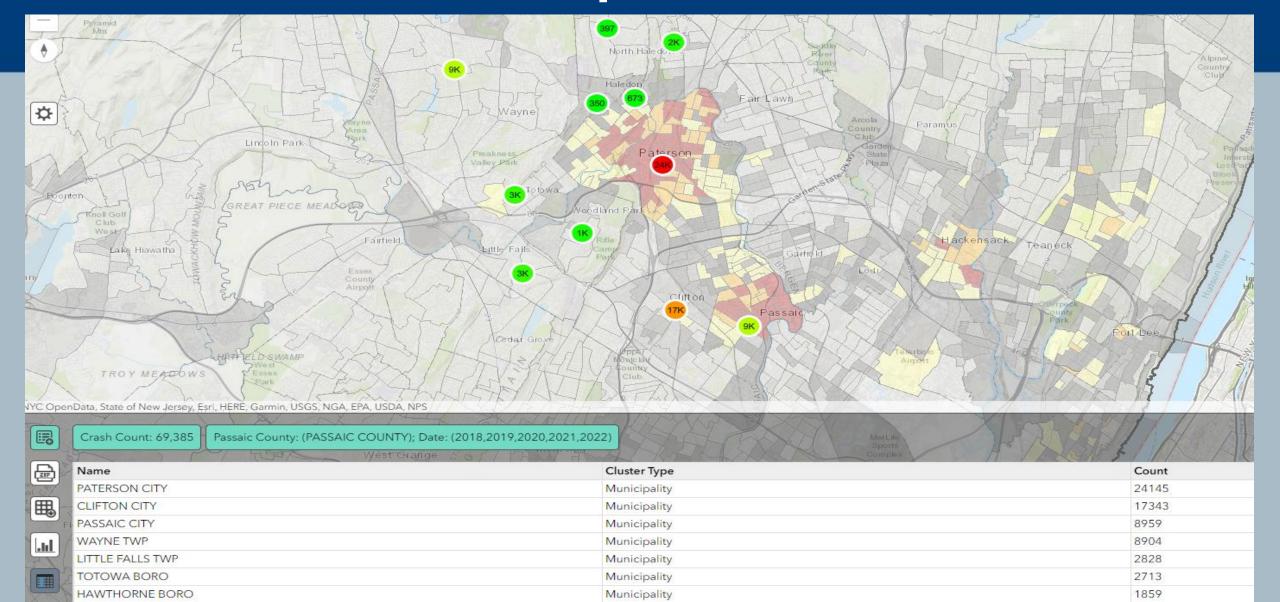
Advanced Visualizations







View or Export Raw Data



Crash Report Summary

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Passaic County Comparison Summary

2016 - 2020

LEGEND

Difference between Passaic County % and State %

2% - 5%

> 5%

PEDESTRIAN & PEDACYCLIST TABLES

CRASH CHARACTERISTIC	COUNTY#	COUNTY %	STATE %
	GENDER		
Female	949	33.45%	34.98%
Male	1619	57.07%	59.59%
Unknown	269	9.48%	5.43%
Total	2837	100.00%	
	AGE		
0-9	140	4.93%	3.64%
10-19	538	18.96%	16.39%
20-29	424	14.95%	15.18%
30-39	333	11.74%	12.45%
40-49	340	11.98%	10.91%
50-59	345	12.16%	13.11%
60-69	261	9.20%	9.14%
70+	152	5.36%	6.27%
Unknown	304	10.72%	12.90%
Total	2837	100.00%	
Pi	RE-CRASH ACTION	N .	
NOT RECORDED	437	15.41%	19.32%
Unknown	40	1.41%	1.18%
Going Straight Ahead	421	14.84%	20.40%
Making Right Turn (not turn on red)	11	0.39%	0.52%
Making Left Turn	24	0.85%	1.28%
Making U Turn	3	0.11%	0.06%
Starting from Parking	1	0.04%	0.01%
Starting in Traffic	2	0.07%	0.15%
Slowing or Stopping	1	0.04%	0.17%
Stopped in Traffic	1	0.04%	0.15%
Parking	0	0.00 %	0.02%

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Male	80292	56.31%	56.92%
Unknown	7799	5.47%	3.36%
Total	142579	100.00%	
	AGE		
0-9	24	0.02%	0.01%
10-19	9441	6.62%	6.67%
20-29	35707	25.04%	22.90%
30-39	26645	18.69%	18.62%
40-49	22295	15.64%	16.42%
50-59	20812	14.60%	15.84%
60-69	13011	9.13%	9.95%
70+	7851	5.51%	6.42%
Unknown	6793	4.76%	3.17%
Total	142579	100.00%	

VEHICLE TABLES

CRASH CHARACTERISTIC	COUNTY #	COUNTY %	STATE %
CONTRIB	UTING CIRCUMST	ANCES	
NOT RECORDED	2424	1.43%	2.15%
Unknown	6994	4.14%	4.50%
Unsafe Speed	2889	1.71%	2.50%
Driver Inattention	50793	30.04%	22.86%
Failed To Obey Traffic Control Device	1136	0.67%	1.04%
Failed To Yield ROW to Vehicle/ Pedes.	3871	2.29%	3.50%
Improper Lane Change	2538	1.50%	2.60%
Improper Passing	1511	0.89%	1.01%
Improper Use/ Failed to Use Turn Signal	87	0.05%	0.06%
Improper Turning	1348	0.80%	1.23%
Following Too Closely	5867	3.47%	5.63%
Backing Unsafely	2107	1.25%	1.58%
Improper Use/ No Lights	20	0.01%	0.02%
Wrong Way	132	0.08%	0.07%
Improper Parking	737	0.44%	0.36%
Failure To Keep Right	322	0.19%	0.28%
Failure To Remove Snow/Ice	15	0.01%	0.02%
Failed to Obey Stop Sign	809	0.48%	0.52%



Thank You

Defining the Vision. Shaping the Future.



For Access to Voyager, Email admin@njvoyager.org

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