



Strategic Highway Safety Plan Dashboards



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SHSP 2022-2026 Reporting

The Strategic Highway Safety Plan is a requirement of the Highway Safety Improvement Program. It is the framework for reducing major crashes on the State's public highway system. The SHSP Dashboard set focus on regularly updated crash data related to 11 Critical Emphasis Areas.

Critical Emphasis Areas		Major Crash Reduction Objective	Major Crashes 2016 5-Year Rolling Average	Major Crashes 2020 5-Year Rolling Average	% Change	Met Objective?
Improve Infrastructure	Lane Departure	10%	265.6	243.8	-8.20%	N
	Intersections	10%	75.2	67.8	-9.80%	N
Curb Speeding and Aggressive Driving		20%	114.8	108.4	-5.60%	N
Increase Use of Occupant Protection	Unrestrained	20%	90.4	81.8	-9.50%	N
	Unhelmeted	20%	7.8	6	-23.10%	Y
Vulnerable Users & Motorcyclists Safety	Pedestrians	10%	29	28.8	-0.70%	N
	Bicyclists	10%	13	7.8	-40.00%	Y
	Motorcyclists	10%	52.6	52.2	-0.80%	N
Age Appropriate Solutions	Younger Drivers (25 and Under)	15%	115	90.6	-21.20%	Y
	Older Drivers (65 and Older)	5%	68.8	70.2	2.00%	N
Reduce Impaired Driving		10%	83.6	80.2	-4.10%	N
Curb Distracted Driving and Keep Drivers Alert		10%	68.4	63.2	-7.60%	N
Significant Emphasis Areas						
Reduce Medium and Heavy Vehicle Crashes		N/A	20.8	16.8	-19.20%	N/A
Improve Work Zone Safety		N/A	2.2	2.8	27.30%	N/A

Figure 1. CEAs as defined for SHSP 2022-2026.

Regularly Updated Crash Data for Each CEA

The five-year reporting cycle of the SHSP does not show crash data in near real-time. At best, planners and other interested parties can only view trends in crashes at the defined five-year intervals. The dashboards allow for data viewing and analysis to be conducted daily and weekly. This allows for more timely highway safety related decision making.

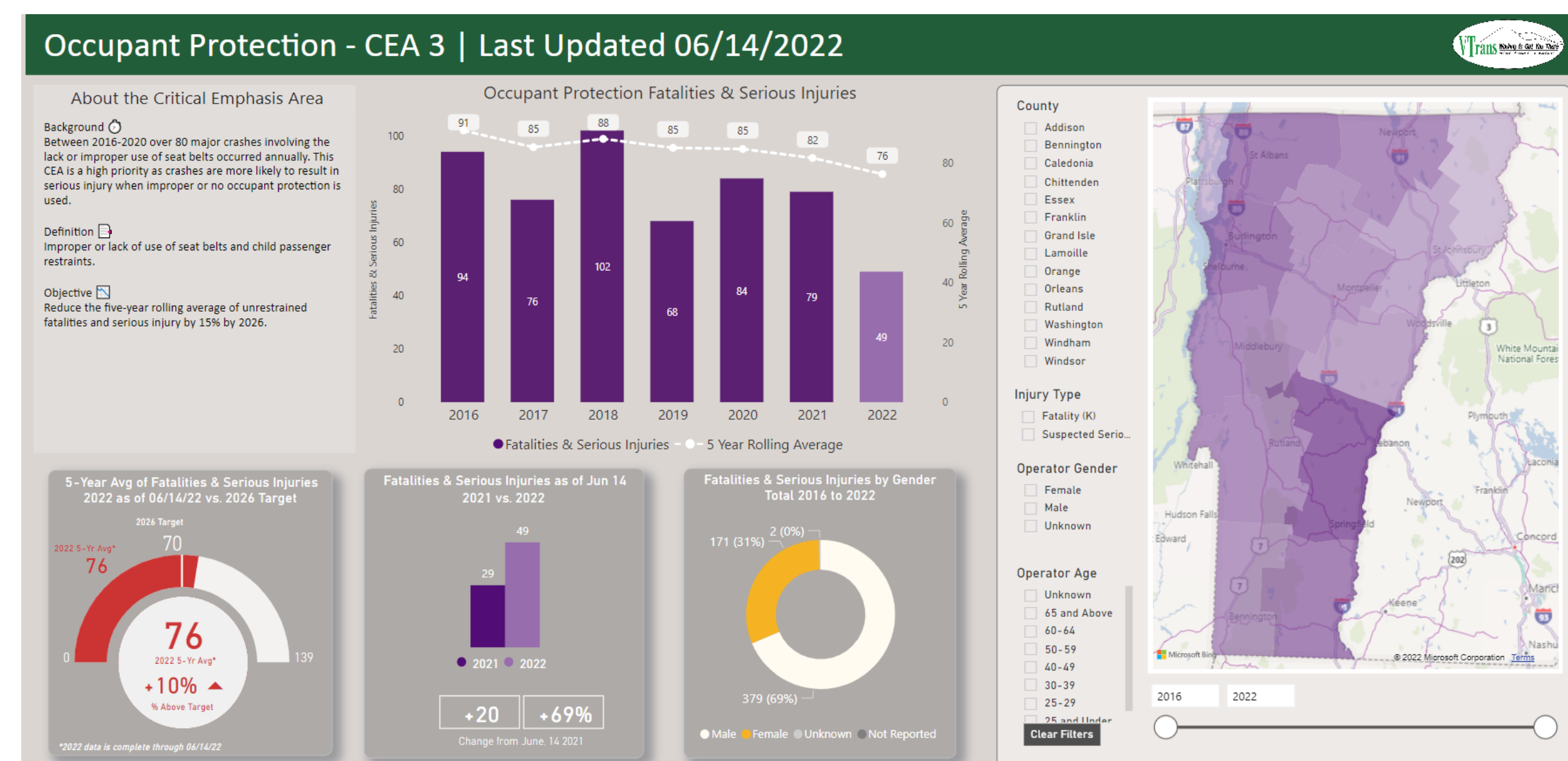


Figure 2. Occupant Protection – CEA 3 Dashboard.

Better and Faster Data Reporting for Future SHSPs

The Data Analysis and Integration CEA is an effort to continue VTTrans' progress toward becoming a high-quality data analytic and decision-making organization. This CEA affects all other CEAs in the Strategic Highway Safety Plan (SHSP) and coordinates activities to accomplish three goals:

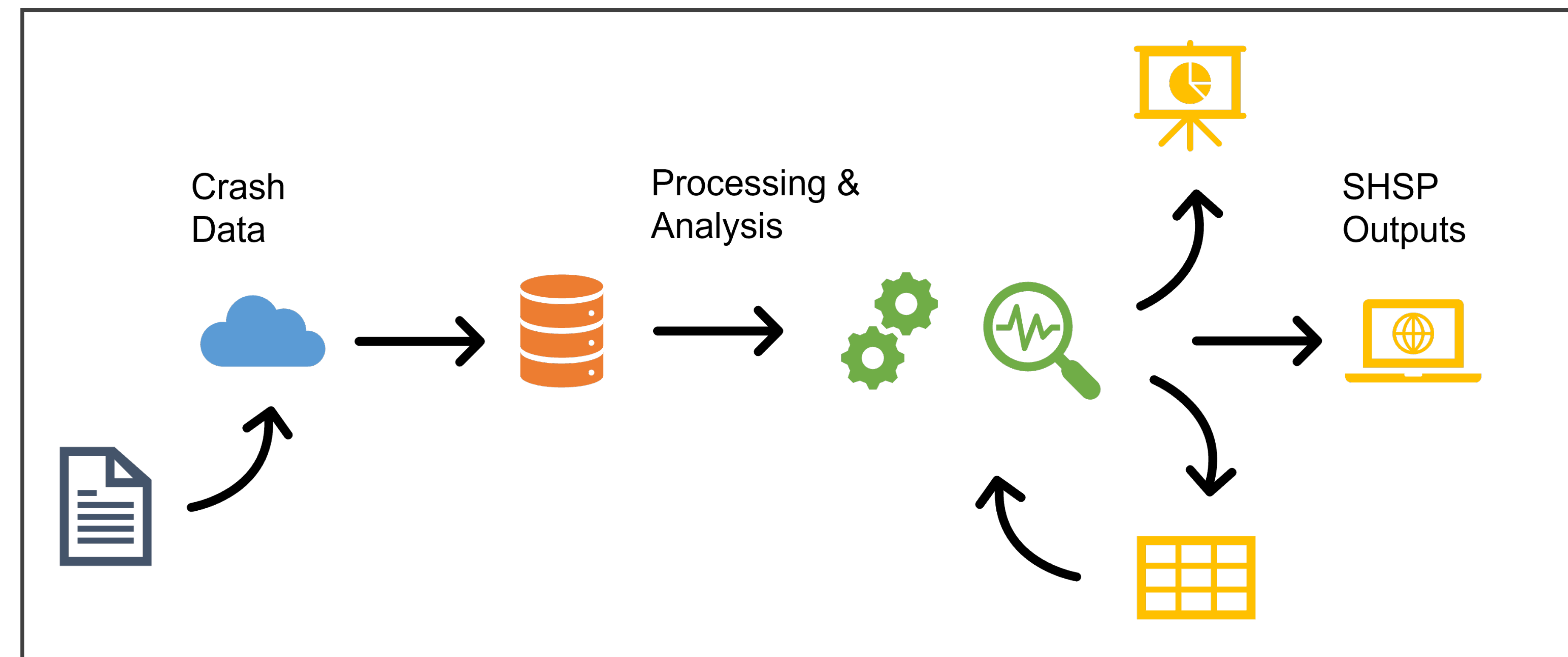


Figure 3. Lifecycle flow of crash data collection and analysis for SHSP.

Data Analysis and Integration

Accurate and timely data on roadway characteristics, traffic, and crashes are essential for addressing the goals and objectives of all CEAs in the SHSP. Furthermore, these data should be authoritative and accessible to all relevant stakeholders in Vermont.

Acknowledgments

VTTrans Operations and Safety Bureau, State Highway Safety Office, Vermont highway safety advocates and the Vermont Highway Safety Alliance

References

Vermont Strategic Highway Safety Plan 2022-2026