

Overview of IVPB Motor Vehicle Traffic Injury Data Resources

NCDHHS Division of Public Health, [Injury and Violence Prevention Branch \(IVPB\)](#), Epidemiology, Surveillance, and Informatics (ESI) Unit

Where Can I Find Motor Vehicle Traffic (MVT) Data?

The Injury and Violence Prevention Branch (IVPB) creates multiple resources to help keep our partners informed about MVT injuries in NC.

Visit our [Motor Vehicle Traffic Injury Data page](#) for annual surveillance updates, statewide summary data, and county-level data on unintentional MVT injuries. This page includes:

- Summary information on MVT injury deaths, hospitalizations, and emergency department (ED) visits in NC over time
- Data on groups most impacted by MVT injury
- County level data on MVT injuries and deaths
- Other MVT injury data resources

Additional data about how unintentional MVT injuries compare to other leading causes of injury are also included on the IVPB [Data and Surveillance](#) page.

For help finding the fall injury data you need, visit the [NC Injury Data Resource Inventory](#).

This interactive tool helps you identify which website or IVPB data resource has the information that best meets your needs.

Overview of IVPB MVT Injury Data Resources and How to Use Them

Motor Vehicle Injury Slide Sets

Use the prepared [Motor Vehicle Injury PowerPoint slides](#) to include MVT injury data in your next presentation, or as a resource to understand more about MVT injuries in NC.



These slides can be used to:

- Understand which groups are most impacted by MVT injuries, where MVT injuries are occurring, and how the number of these injuries has changed over time in NC.



IVPB CREATES AND SHARES THESE RESOURCES TO SUPPORT MVT INJURY PREVENTION ACROSS NC.

- Permission is not needed to use any of the posted data in your presentations, manuscripts, reports, and other work.
- If you use IVPB published data, please include a version of the following citation:

NC Department of Health and Human Services, Division of Public Health, Injury & Violence Prevention Branch. "[data resource name]." [webpage data were accessed from]. Accessed [insert access date]. [insert the website address].

- These PowerPoint slides are meant to offer a state-level background on MVT injuries by data source.
- Slides include information on MVT injury deaths, hospitalizations, and ED visits.
- The slides were created to provide basic data trends and public health surveillance around MVT injuries.
- Incorporate MVT injury data into your own presentations, grant proposals, reports, or any other way they may be useful.
 - Each slide includes detailed notes explaining the information on the slide.
 - Technical notes are also available to help with understanding and presenting data.

Motor Vehicle Crashes ORION Reports

Use the [Motor Vehicle Crashes ORION Reports](#) to compare the number and rate of MVT injuries and deaths across different demographic groups.

- Reports include data for MVT injury deaths, hospitalizations, and ED visits by gender, race/ethnicity, and age group.
- Data can be used to focus prevention and response activities to groups that are most impacted by MVT injuries.
- Reports are available statewide and by county with data over the most recent five-year period.
 - For county-specific reports, select the county from the dropdown list and then click “Get County Report”.



Special Emphasis Reports: Unintentional Motor Vehicle Traffic Injuries

Use the [Special Emphasis Report](#) for more detailed data about unintentional MVT injuries in NC and for information on prevention strategies and activities occurring in the state

- Describes the burden of unintentional MVT injuries.
- Compares unintentional MVT injury data by a person’s mode of transportation (motor vehicle occupant, motorcyclist, pedestrian, and pedal cyclist), age group, sex, and race and ethnicity.
 - Data are also included for counties experiencing the highest hospitalization rates for unintentional MVT injuries.
- Includes quick facts on driving behaviors, like seat belt use, and ongoing MVT injury prevention strategies taking place in NC.



Leading Causes of Injury Data

Use the [leading causes of injury data resources](#) to compare unintentional MVT injuries and deaths to other leading causes of injury and death in NC.

These resources provide data on the top five or top 10 leading causes of injury ED visits, hospitalizations, and deaths in NC and by county.



Leading Causes of Injury in NC PowerPoint slides

- These PowerPoint slides provide a state-level overview of the leading causes of injury death, hospitalizations, and ED visits for NC residents.
- Slides include data for the most recent finalized data year.

- Slides can be used to incorporate MVT injury data into your own presentations, grant proposals, reports, or any other way they may be useful.
 - Each slide includes detailed notes to help with understanding and presenting leading causes of injury data.

Top Five Leading Causes of Injury by County Reports

- Reports provide data on the top five leading causes of injury deaths, hospitalizations, and ED visits by county overall and for specific age groups.
- Data included in the reports are combined over the most recent five years.

Statewide Leading Causes of Injury Charts and Tables

- Charts show the top 10 leading causes of injuries for each age group.
 - Leading causes are further grouped by injury intent. For more information on injury intent, visit [Injury Mechanism and Intent](#).
- Tables show the count and rate for the top 10 leading causes of injury.
 - Tables are included by age group, race/ethnicity, and sex
- Charts and Tables include data for the most recent data-finalized year.
 - Reports for previous data years are also available.

Injury Mechanisms and Intent ORION Reports

- Statewide reports are available for the most recent finalized data year.
 - Reports for previous data years are also available.
 - Reports compare counts and rates of all types of injury mechanisms and intents.
- Statewide and county-specific reports combine the most recent five years of data.
 - Combining data across multiple years allows data to be shared for all counties. For more information visit, [Data Suppression and Working with Small Numbers](#).
 - For county-specific reports, select the county from each of the dropdown lists and click “Get County Report”.

Survey Data

Use survey data about safe driving practices and MVT injury risk factors to inform MVT prevention efforts.



NC Behavioral Risk Factor Surveillance System (BRFSS) Data

- NC BRFSS data can be used to understand seat belt use and drinking and driving among NC adults.
- Questions included in the survey alternate from year to year and may change over time.
 - The NC SCHS provides all questionnaires and survey results from the NC BRFSS on the [NC BRFSS website](#).
- For more information about NC BRFSS data, visit [Data Sources IVPB Uses for Injury Surveillance](#).

NC Youth Risk Behavior Survey (YRBS) Data

- NC YRBS data can be used to understand texting and driving behaviors and seatbelt use among high school students.
- Questions included in the survey may change over time.
 - Questions on seatbelt use have not been included in recent surveys.
 - Questionnaires and survey results from the NC YRBS are available on the [NC Health Schools Data website](#).
- For more information about NC YRBS data, visit [Data Sources IVPB Uses for Injury Surveillance](#).

For more information on considerations when using survey data to understand MVT injuries, visit [What Should I Know Before Using Motor Vehicle Traffic Injury Data](#).

Other MVT Injury Data Resources

- The NC Vision Zero Data and Analytics Dashboard – Use these [interactive data visualization tools](#) to explore traffic and crash data on driving and motor vehicle crashes, including related health outcomes.
- The National Highway Traffic Safety Administration (NHTSA) Data – [NHTSA](#) offers a wide range of data reports on motor vehicle related injuries in NC and across the country.



Questions About IVPB MVT Injury Data

Contact Us: Email us at InjuryData@dhhs.nc.gov with questions about IVPB MVT injury data.

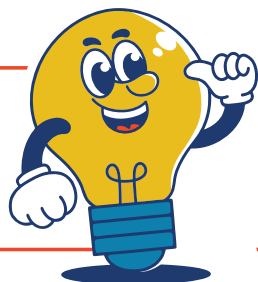
Custom Injury Data Requests: Visit the [custom injury data request page](#) for more information on how to request MVT injury data from IVPB.

Epidemiology Office Hours: [Schedule time to meet with an epidemiologist](#) to discuss data availability, questions, or custom requests.

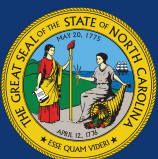
- See the [custom injury data request page](#) for more details.

MVT Injury Prevention Information

- [NC Vision Zero](#) - Visit to learn about NC's approach to eliminate traffic deaths and serious injuries in NC.
- [Transportation Safety | CDC](#) - Visit CDC's transportation safety website for evidence-based prevention guidance on child passenger safety, teen and older drivers, seat belts, impaired and distracted driving, and other key road safety topics.
- [NHTSA](#) - Visit NHTSA's website for information on crash prevention, driver safety, vehicle technologies, recalls, and evidence-based strategies to reduce traffic injuries and deaths.
- [Safe Kids North Carolina](#) - Visit for information on [child passenger safety](#), [ATV safety](#), [bike and pedestrian safety](#), [heatstroke](#) prevention, and other resources to prevent injuries among children.



FOR MORE RESOURCES:
Visit our [Injury Data Users Toolkit](#)



NC DEPARTMENT OF
**HEALTH AND
HUMAN SERVICES**
Division of Public Health

dph.ncdhhs.gov/injury-and-violence-prevention-branch-data-users-toolkit

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