

# Traffic Accidents in the Netherlands - Who were the casualties?

Creation Date: Wednesday, January 24, 2024 09:21:57 PM

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## Executive Summary

### Introduction

This report presents a comprehensive analysis of casualties resulting from traffic accidents in the Netherlands in 2016, specifically to understand **who** the casualties involved were. Analysis involved drawing insights on the distinct types of casualty, the proportion of road users contributing to each casualty type, distribution of ages of the youngest and oldest casualties involved in the accidents, the geographical location of these casualties, the severity of accidents, analysis of the maximum speed recorded, and the temporal patterns of accidents and resulting casualties.

### Key Findings

1. Casualty Type - The analysis reveals a breakdown of casualties into categories such as injuries (misc, first aid, hospital), lethal casualties and material damage. This helps us to understand the impact of accidents on individuals and property. I also examine the proportion of different road user types involved in casualties, offering a holistic view of the diverse contributors to traffic accidents. This is an important insight which will prove crucial for targeted awareness and safety measures.
2. Age of Casualties - This is a detailed analysis of the age demographic of casualties involved in the accidents. Analysis was performed using the ages of the youngest and oldest casualties involved in the accidents, providing valuable information on vulnerable groups. Understanding age-specific trends can inform policies and strategic initiatives aimed at reducing casualties among different age groups.
3. Geography of Casualties - The geographic visualization highlights hotspots of casualties, allowing for targeted infrastructure improvements and strategic law enforcement efforts in high-risk areas.
4. Temporal patterns - By examining casualties over time, the report identifies temporal patterns such as hourly, daily, and weekly variations. This information is essential for optimizing resource allocation and planning targeted safety measures during high-risk periods.
5. Maximum Speeds - The report also explores the maximum recorded speeds associated with different types of casualties. This analysis is instrumental in understanding the role speed plays in the severity of accidents and contributes to road safety initiatives.
6. Severity of Accidents - Analyzing the ratio of lethal casualties to number of casualties involved provides a nuanced perspective on the severity of accidents. This analysis helps identify different road situations and types of accidents with high ratio of lethal casualties, and guide the prioritization of interventions for reducing casualties and fatalities per incident.

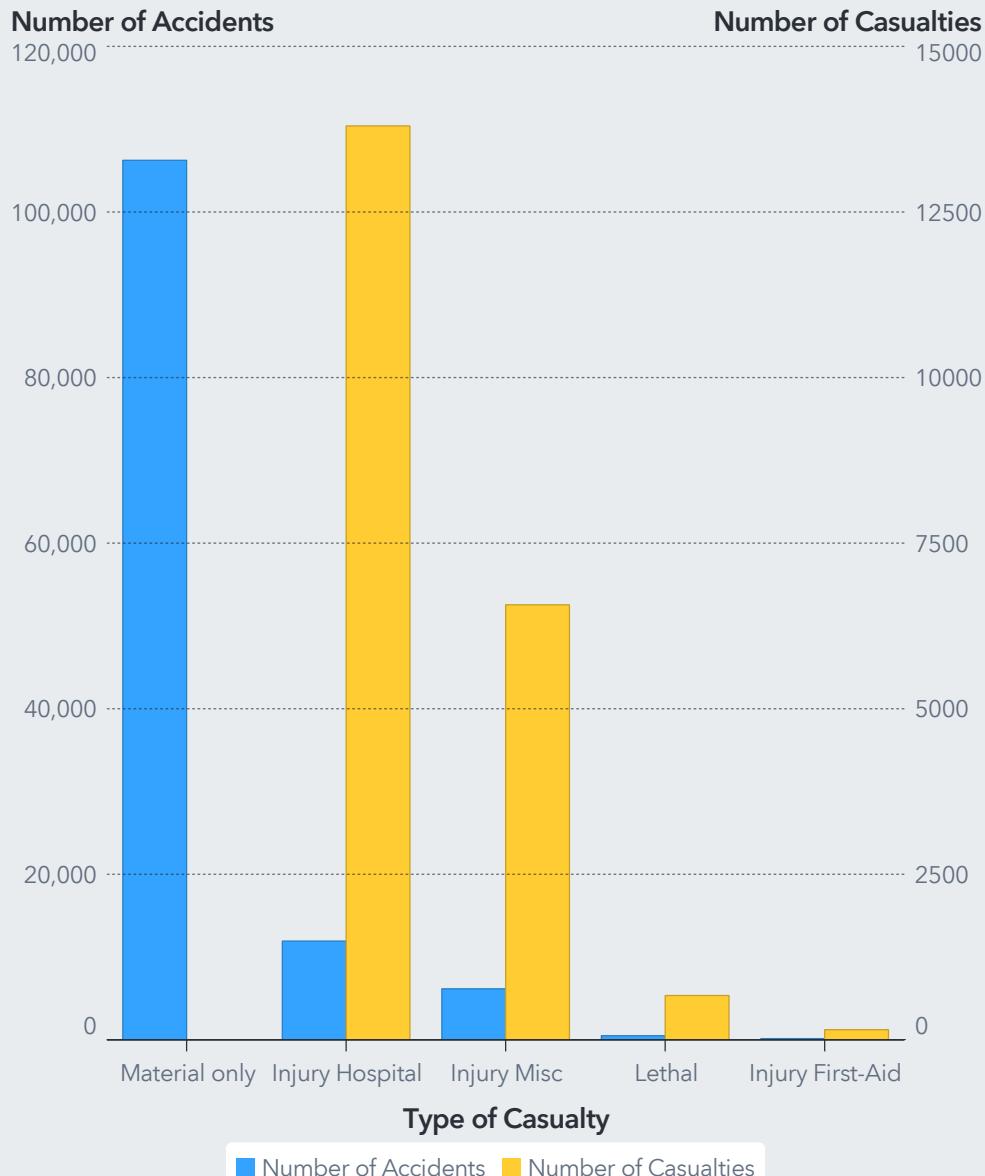
### Conclusion and Recommendation

In conclusion, this report provides a thorough examination of casualties resulting from traffic accidents in the Netherlands. The insights derived from visualizations and analyses contribute valuable information for The department for 'Traffic Safety'.

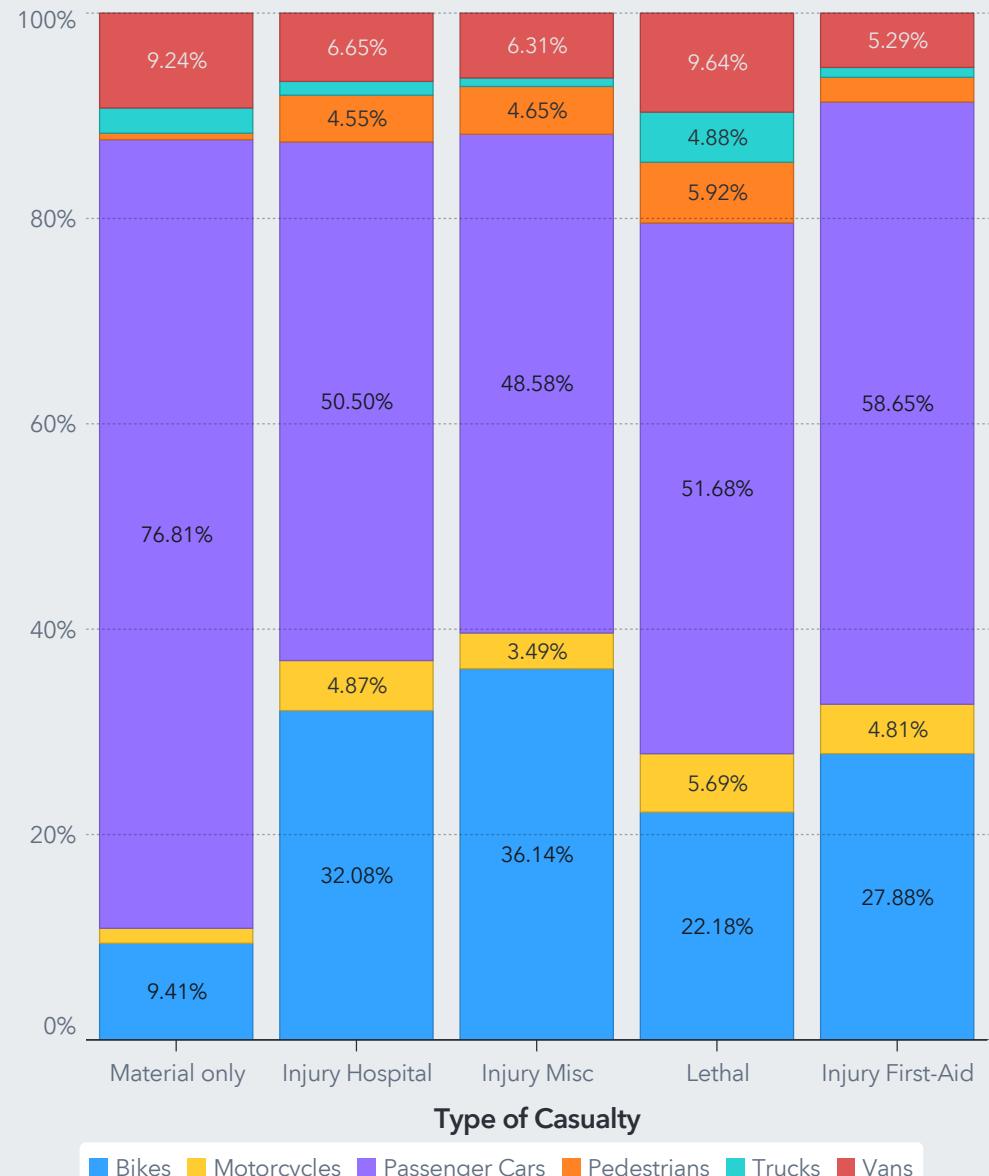
The findings underscore the multifaceted nature of traffic accidents, emphasizing the need for a comprehensive approach to road safety. Based on the insights gained, targeted interventions, awareness campaigns, and infrastructure improvements in identified high-risk areas and road situations are recommended.

## Casualty Type

Number of Accidents and Casualties by Type of Casualty



Proportion of Road Users involved in each Type of Casualty



## Age & Type of Casualties

Average Age of Youngest Casualty involved

**40**

Youngest Casualty's Age

**0**

Oldest Casualty's Age

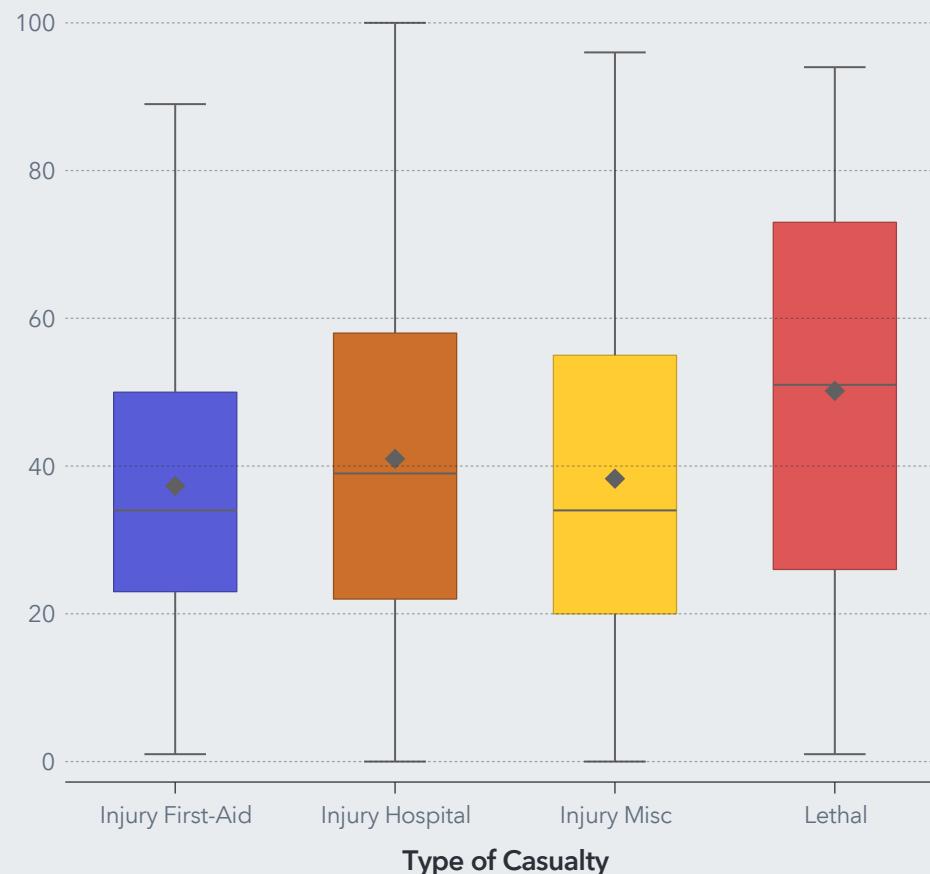
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Average Age of Oldest casualty involved

**45**

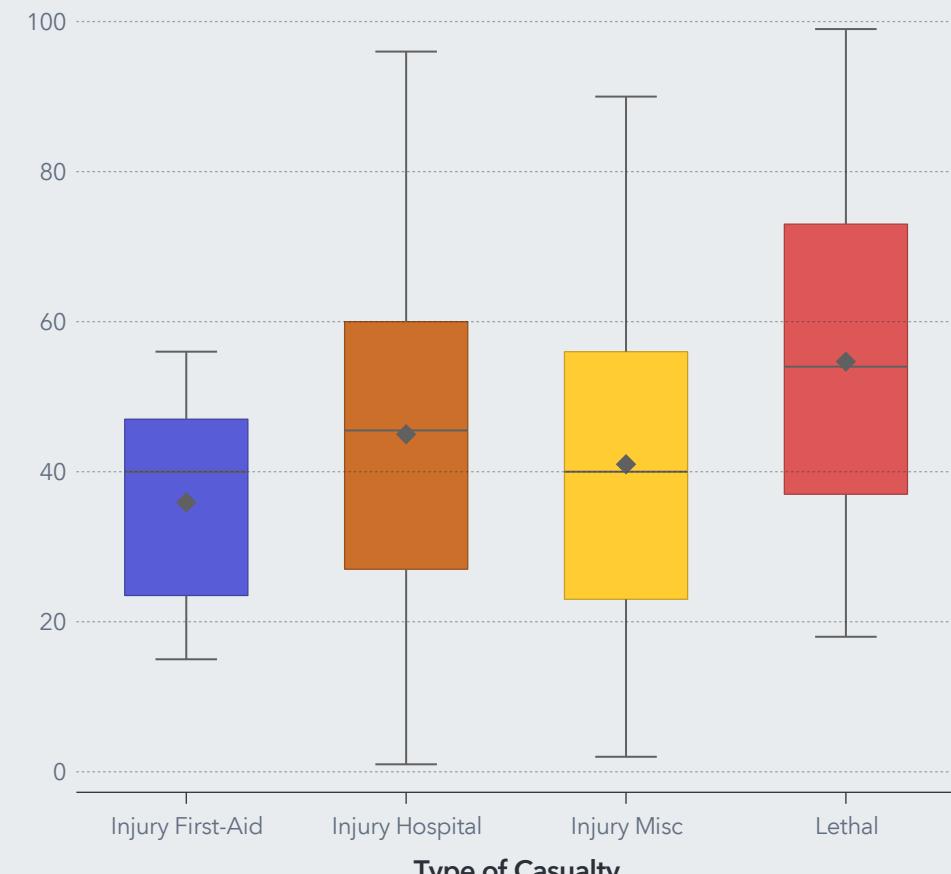
Age of youngest casualty by Type of Casualty

**Age youngest casualty**



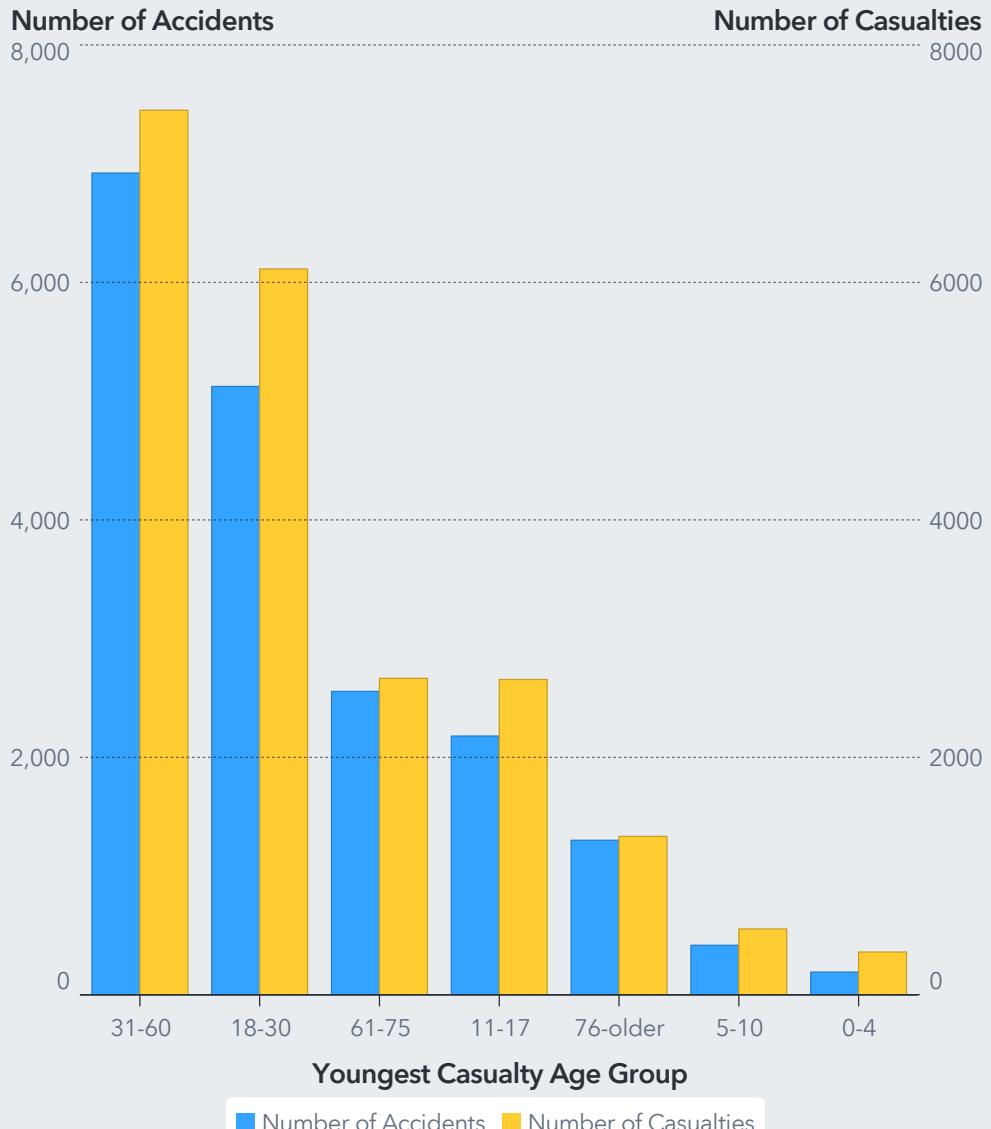
Age of oldest casualty by Type of Casualty

**Age oldest casualty**



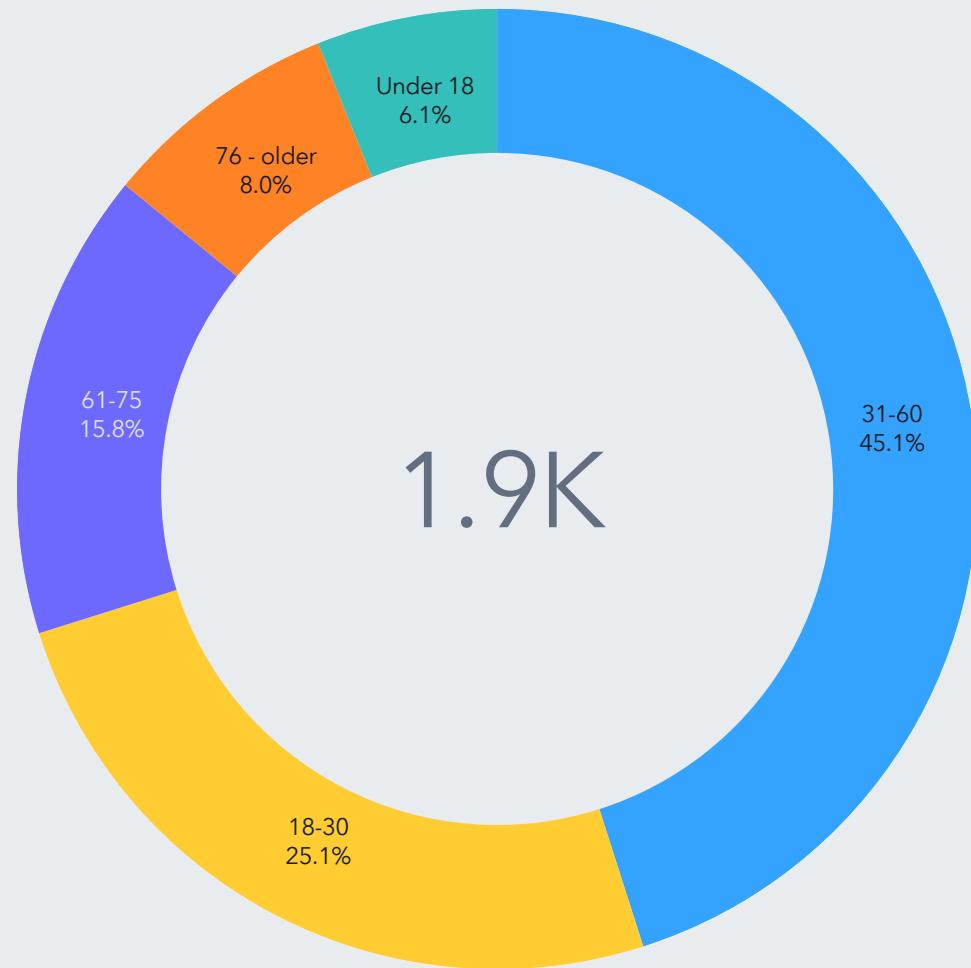
## Casualty Age group

Number of Accidents and Casualties by Age Group of Youngest Casualty



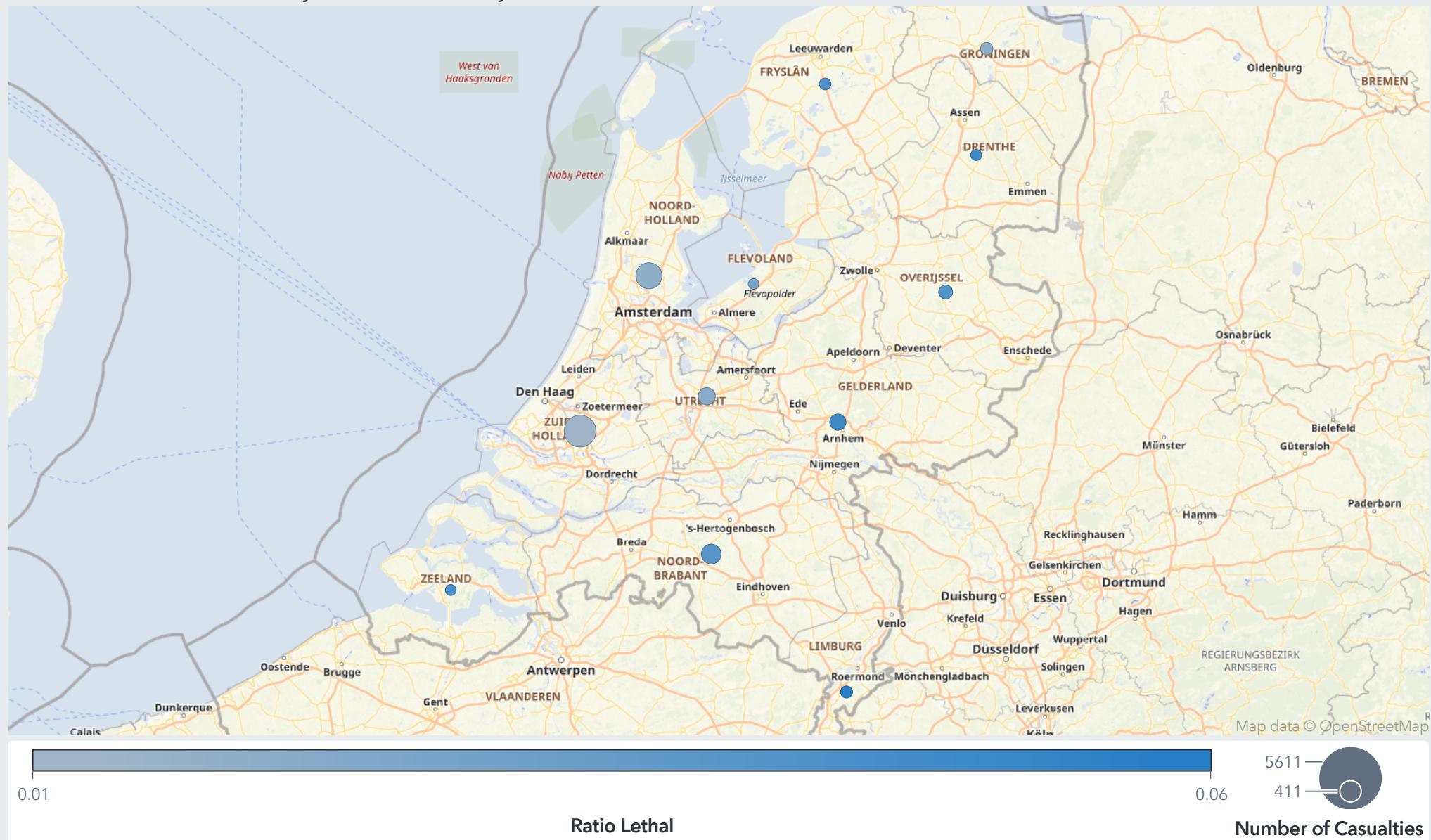
Number of Accidents by Age Group of Oldest Casualty

**Number of Accidents**



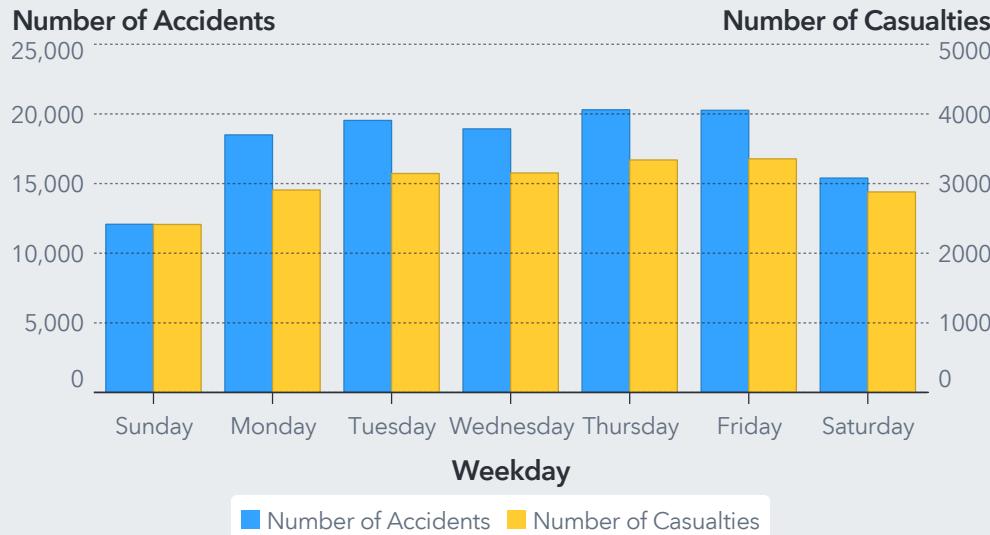
# Geography of Casualties

Ratio of Lethal Casualties by Province sized by Number of Casualties

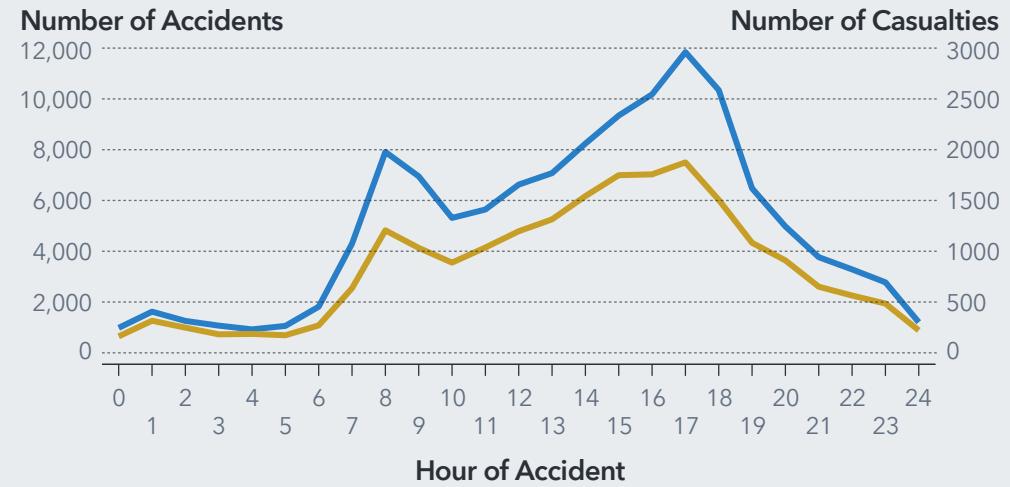


## Casualties by Time

Number of Accidents and Casualties by Weekday

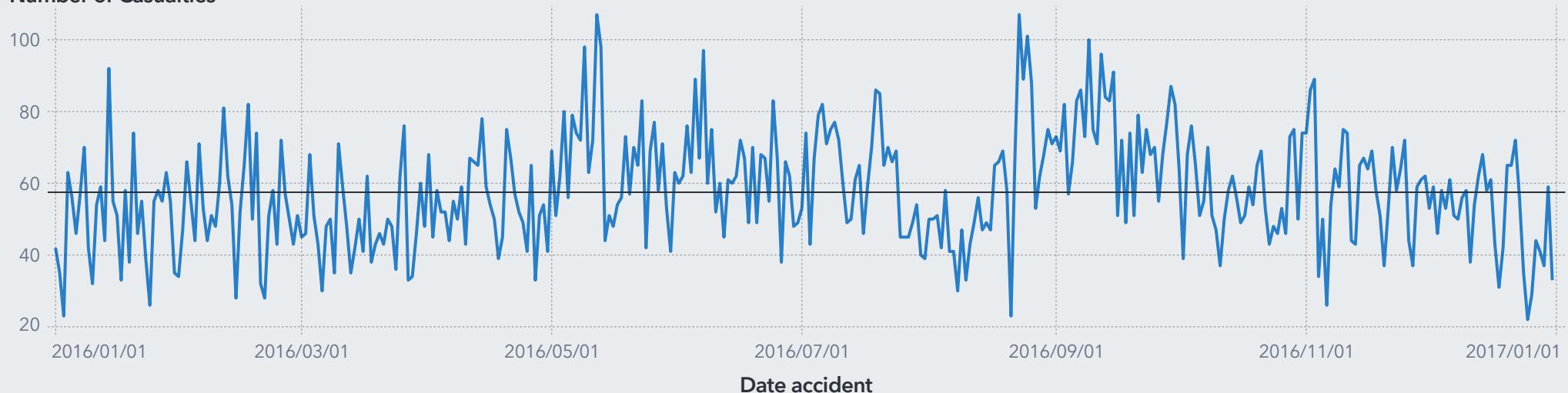


Number of Accidents and Casualties by Hour of Accident



Number of Casualties by Date of accident

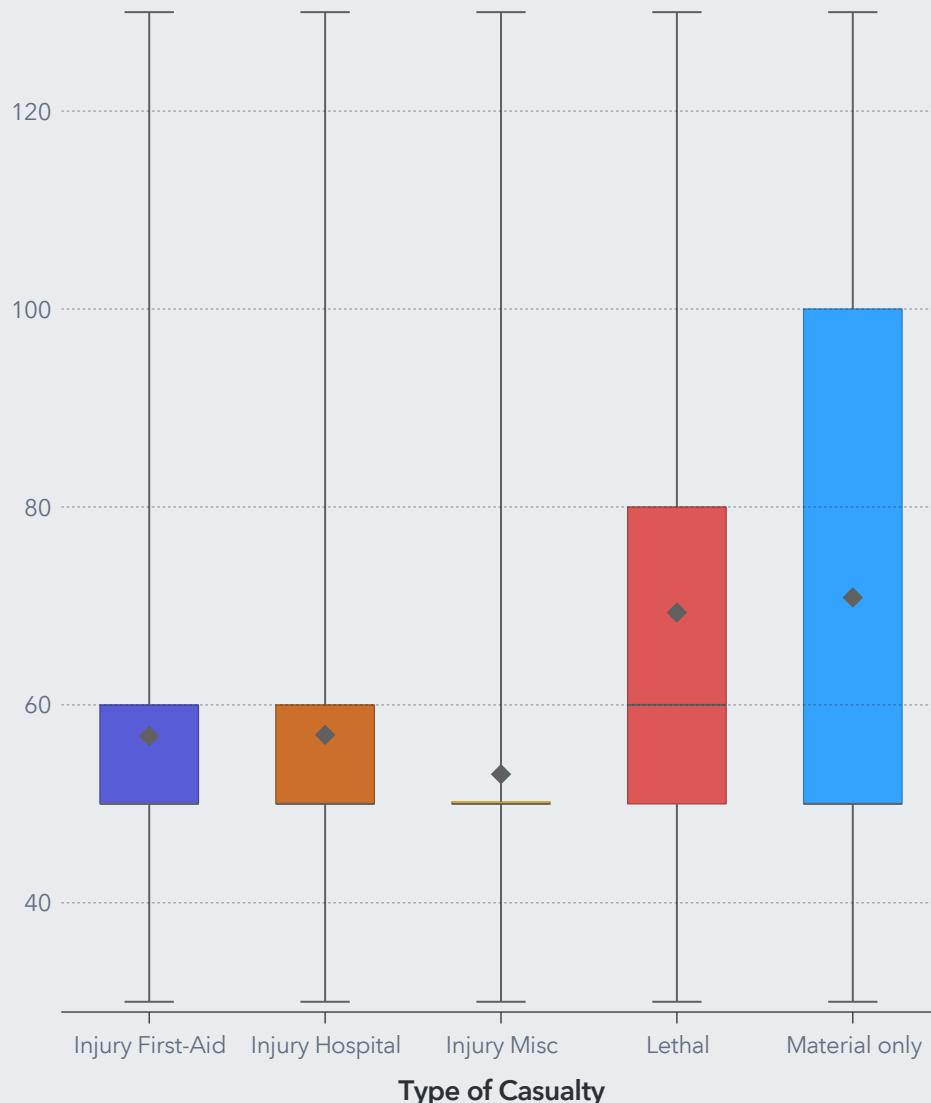
Number of Casualties



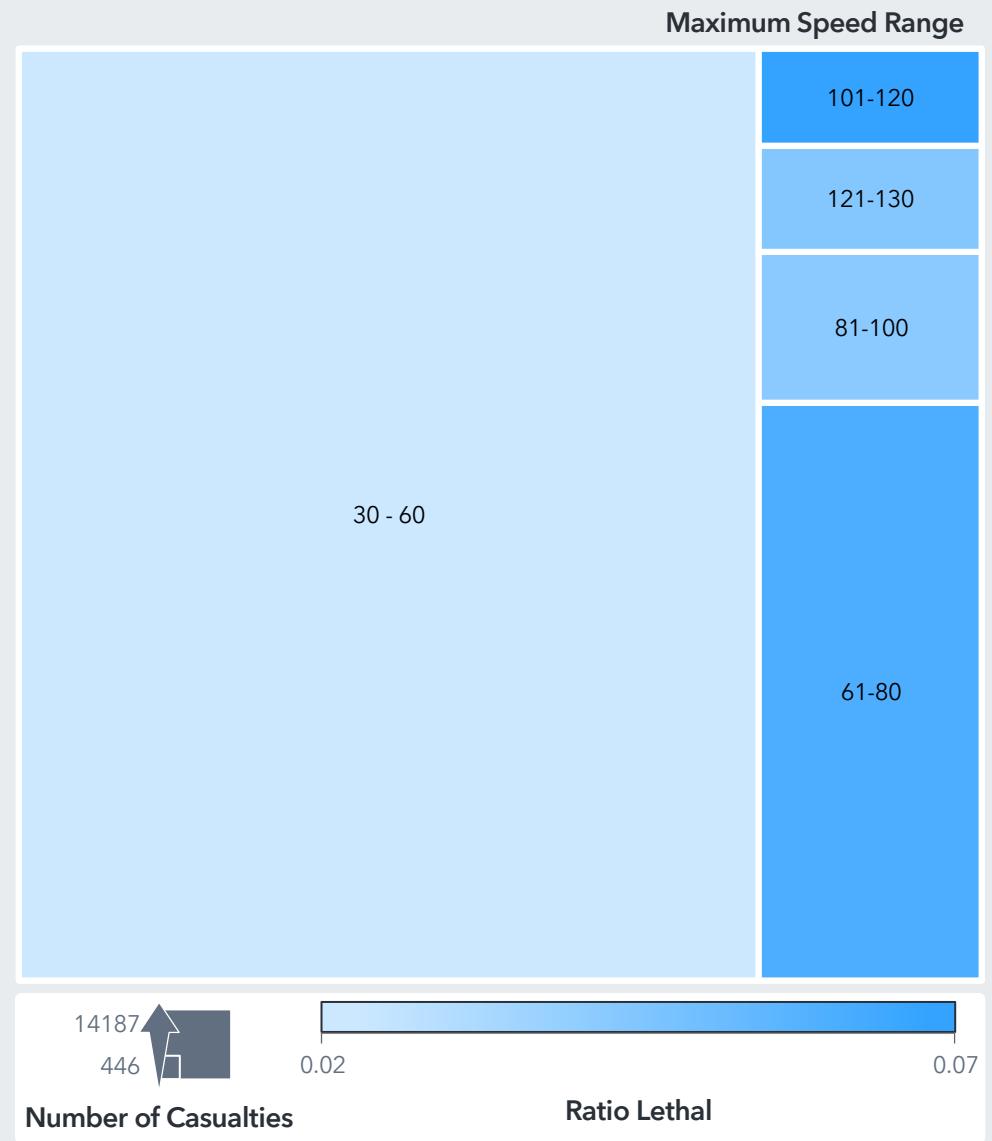
## Speed Analysis

Maximum speed indicated by Type of Casualty

Maximum speed indicated

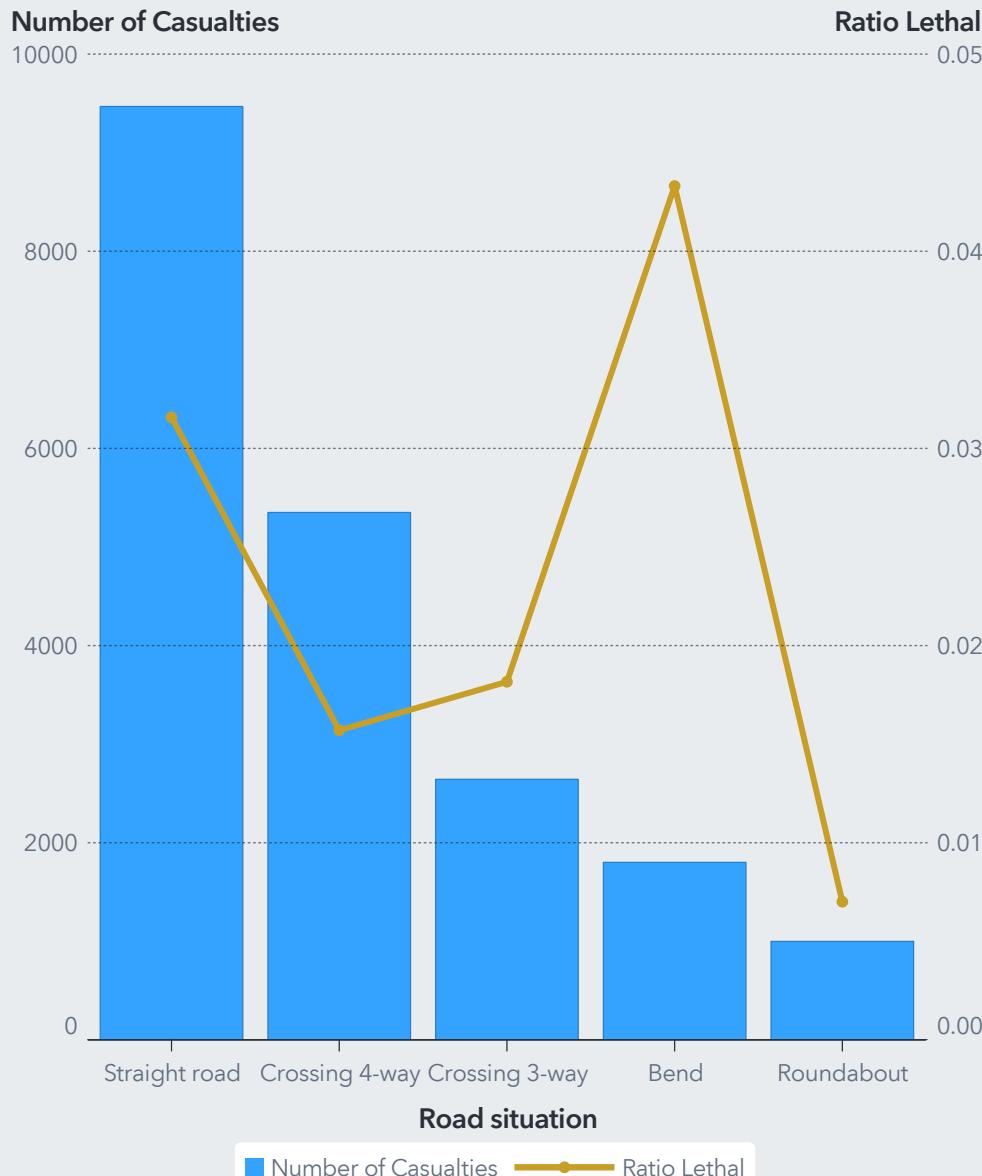


Number of Casualties and Ratio of Lethal Casualty by Maximum Speed Range



## Severity of Accidents

Number of Casualties & Ratio Lethal by Road situation



Ratio of Lethal Casualties by Type of accident

