

# Road Accident Analysis

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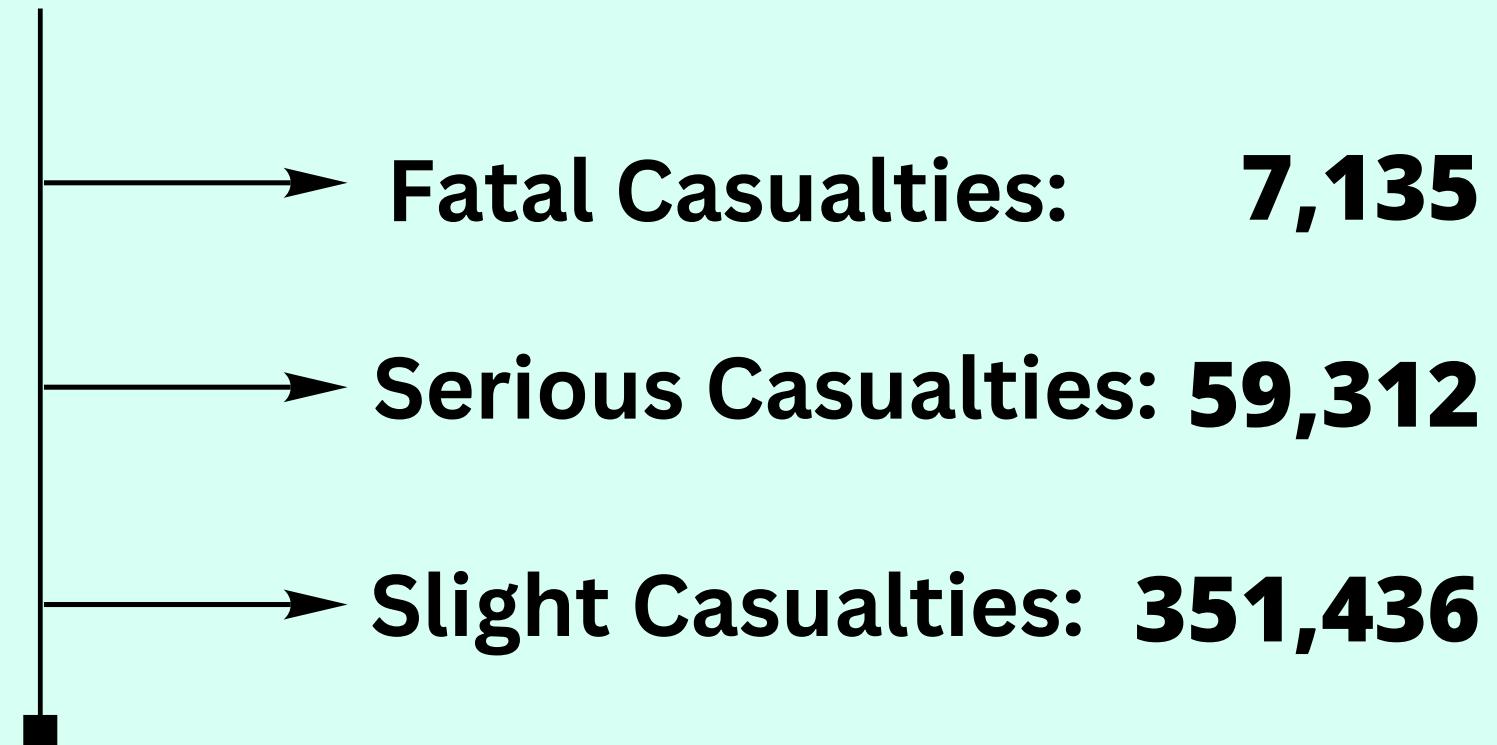
# Analysis Overview

- This dashboard provides an analysis of road accident casualties across various dimensions such as vehicle types, location, road surface conditions, and more.
- The analysis covers key casualty statistics, comparisons between 2021 and 2022 data, and other important factors influencing accidents.



# Total Casualties Overview

→ Total casualties analyzed: **417,883**

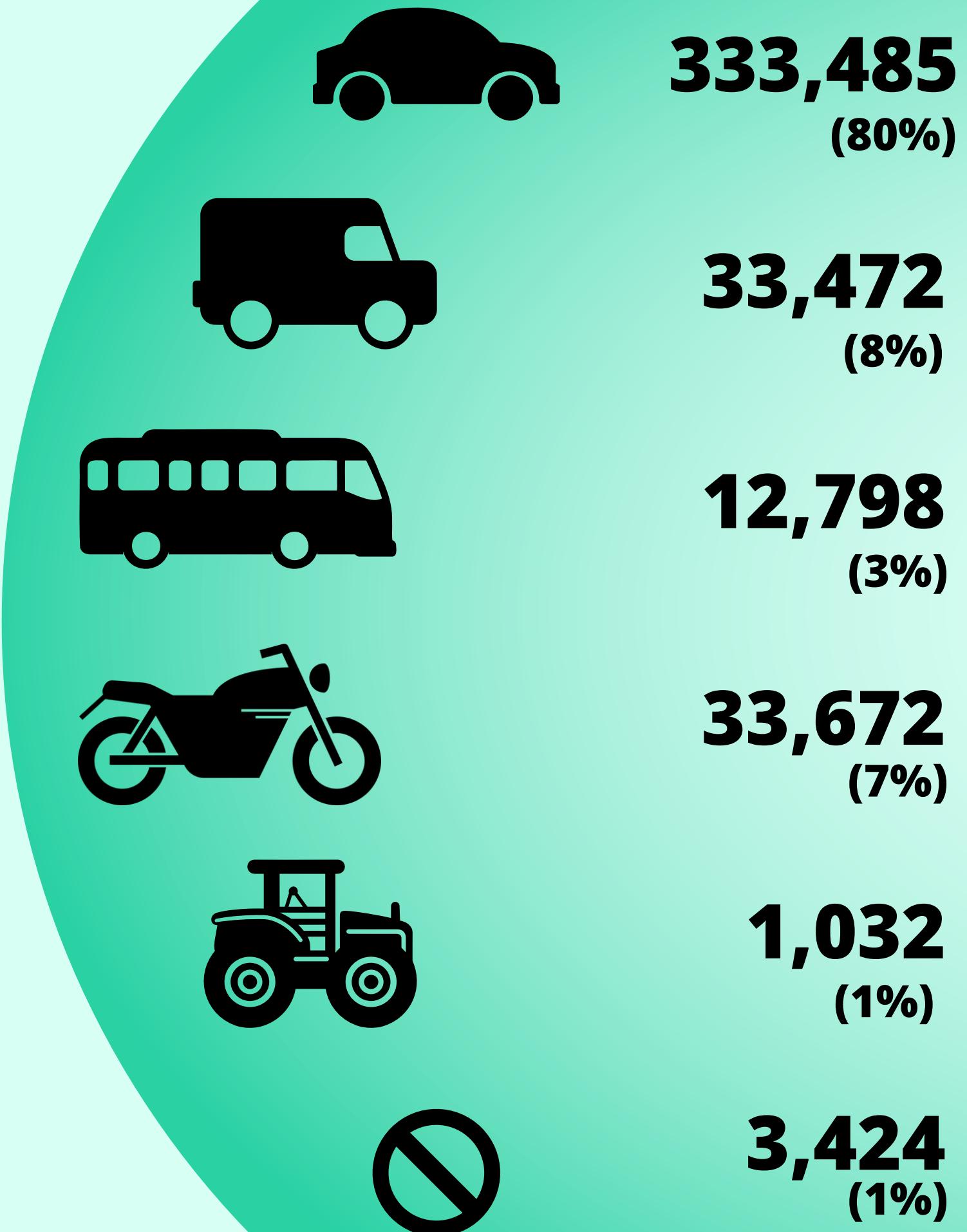


»»» The data highlights the large number of slight casualties compared to serious and fatal ones.

# Casualties by Vehicle Type



- Car casualties dominate the total, making up 80% of all incidents.



# Casualties by Road Type



- **Single Carriageways have the highest casualties: 309,700**
- **Dual Carriageways account for 67,370 casualties.**
- **Other types such as roundabouts, one-way streets, and slip roads contribute smaller portions to the total.**

# Casualties by Road Surface

Dry roads are involved in 66.87% of the accidents, showing the significance of non-weather-related factors.

Wet roads account for 27.58%.

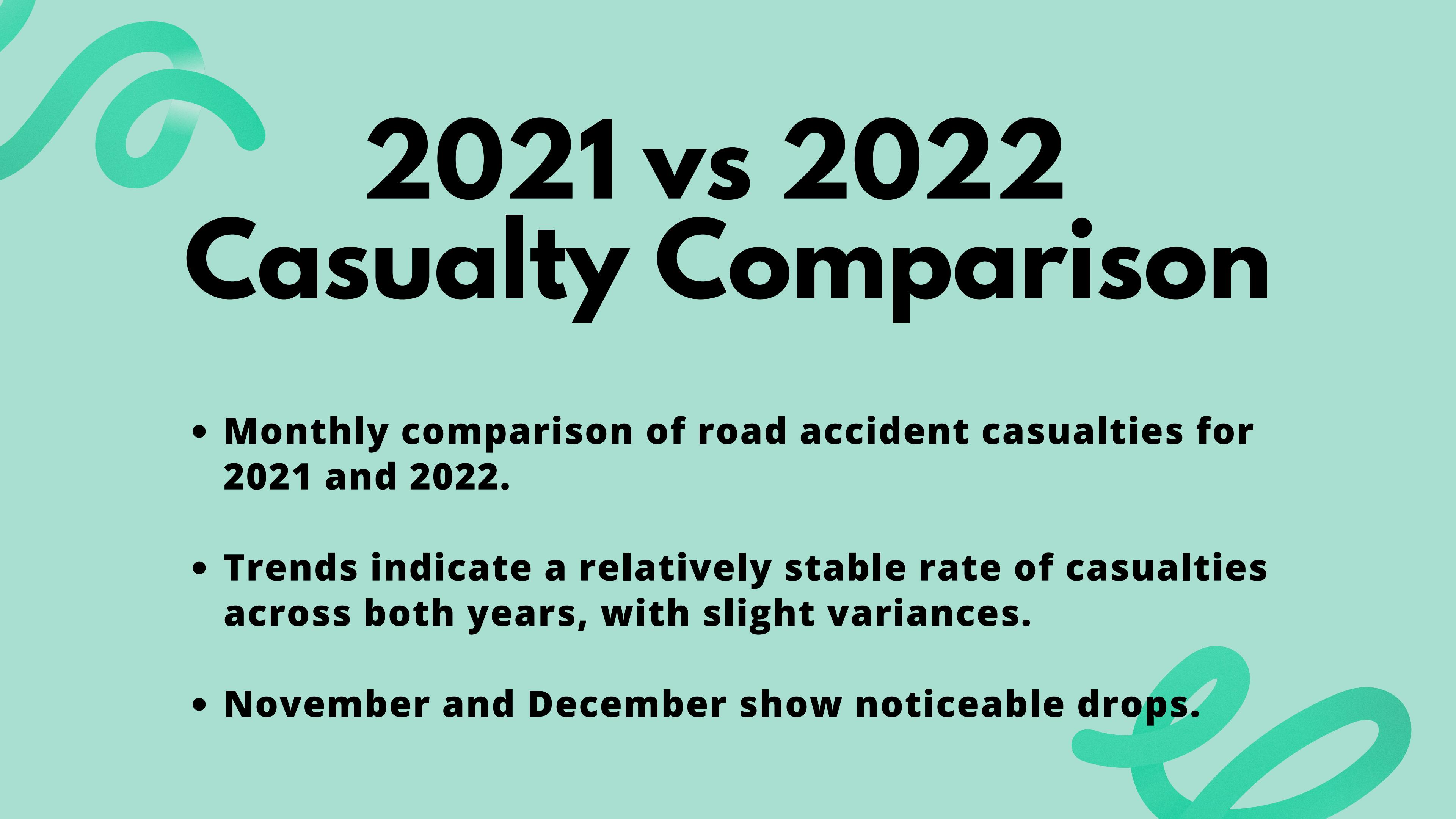
Snow/Ice conditions account for 5.45%, reflecting the higher risk during extreme weather.

## **Casualties by Location/Area**

- The majority of accidents occur in urban areas: 255.9K.
- Rural areas: 162.0K, showing that accidents in less populated areas are also a concern.

## **Casualties by Light Condition**

- Daylight conditions account for most casualties: 305.0K.
- Accidents in dark conditions total 112.9K, showing the significant risks associated with nighttime driving.



# **2021 vs 2022 Casualty Comparison**

- **Monthly comparison of road accident casualties for 2021 and 2022.**
- **Trends indicate a relatively stable rate of casualties across both years, with slight variances.**
- **November and December show noticeable drops.**

# Summary & Key Insights

- **Total Casualties: 417,883, with slight casualties making up the vast majority.**
- **Vehicle Types: Cars are involved in 80% of accidents.**
- **Road Types: Single carriageways see the highest number of accidents.**
- **Road Surface Conditions: Dry roads still contribute to most accidents despite being safer.**
- **Actionable Insight: Focus on improving road safety in urban areas, during daylight, and for car drivers.**