



Report: Analysis of Road Accident Data in United Kingdom from 2021-2022

An Analytical Review of Road Accidents in United Kingdom: Demographic Impact and Causative Factors.

Ben INJA





Introduction

Road traffic accidents (RTAs) represent a significant public health issue in in the world, and UK is not an exception, leading to the loss of thousands of lives and numerous severe injuries each year. In the past 2 years, the country continued to experience a high incidence of accidents nationwide. This report explores the demographic effects and key causes of these incidents, providing valuable insights for shaping effective road safety interventions and policies.

RTAs not only lead to fatalities and serious injuries but also place heavy economic strain on the healthcare system and the overall economy. Analyzing the trends and causes of these accidents is essential for creating targeted strategies to prevent future occurrences. This comprehensive report seeks to uncover important trends, pinpoint high-risk areas, and offer practical recommendations to enhance road safety throughout the country.



Summary

2021-2021 KPI's of Road Accidents in UK

30

Most used speed limit

417,883

Total Casualties

59,312







Serious Injuries

7135

Fatal Cases



To understand the patterns and impacts of road accidents across different states in Nigeria.

	333485
	12798
	33672
	33472
	1032
	3424

79.8%

333485 of the Total
casualty cases of Road
accidents are caused by
Cars



8.1%

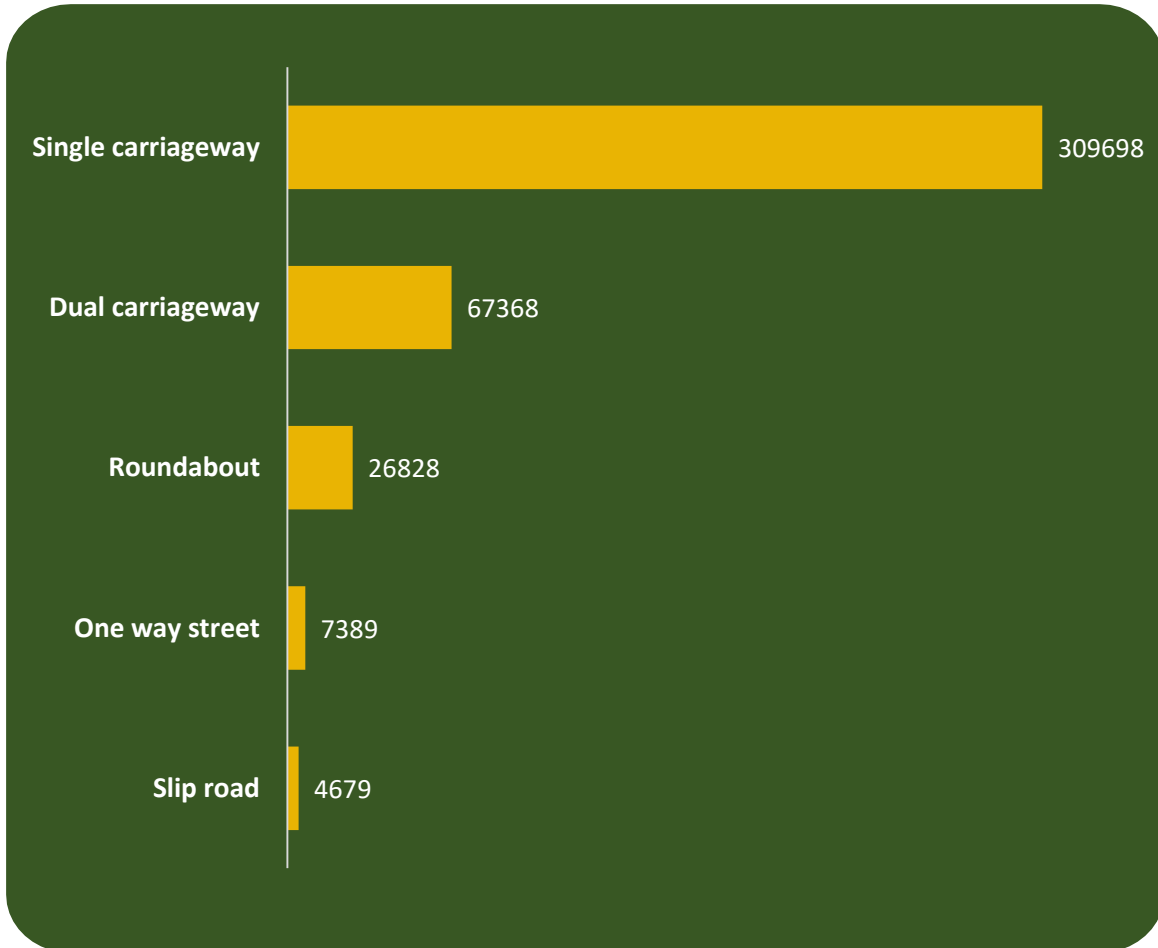
336472 of the Total
casualty cases of Road
accidents are caused by
bikes

8%

33472 of the Total
casualty cases of Road
accidents are caused by
Vans



Analysis showing Top 3 Casualties by Road Type



74.5%

309698 of the Total casualty cases caused by road type result from **Single Carriageway**

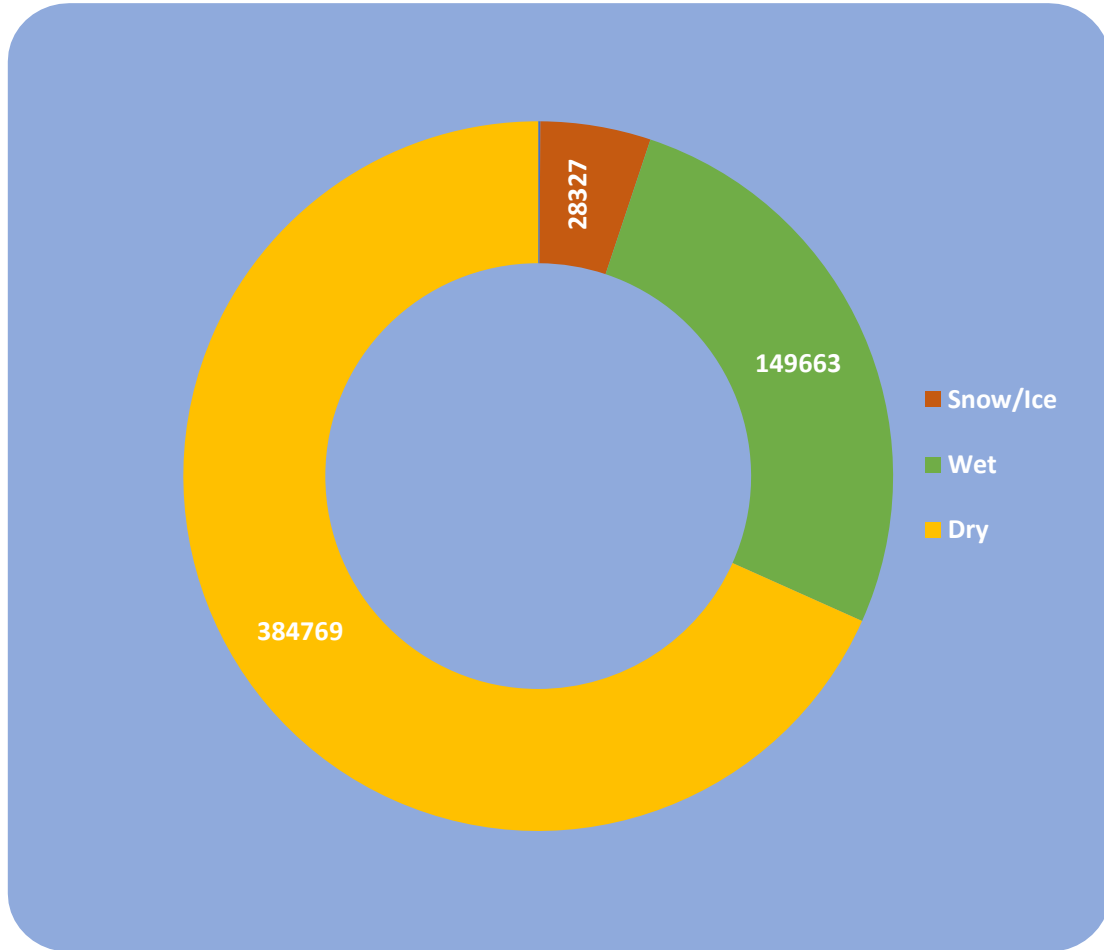
16.2%

67368 of the Total casualty cases caused by road type result from **Dual Carriageway**

6.4%

26828 of the Total casualty cases caused by road type result from **Roundabout**

>> Analysis showing Casualties by Casualties by road surface



68.4%

Of the accidents caused
occurred on dry land



26.5%

Of the accidents caused
occurred on wet lands

5%

28327

Of the rest of the
accidents occurred on
snow/Ice



Insights on Primary Causative Factors)

01

Wrongful Overtaking (WOT): Intensify police patrols to deter risky overtaking behaviors.

02

Sign Light Violation (SLV): Enhance traffic signal infrastructure and enforcement of traffic laws regarding signal adherence.

03

Tyre Burst (TBT): Promote regular vehicle maintenance, enforce regulations on tire quality, and ensure proper tire inflation to prevent blowouts.

04

Dangerous Driving : Strengthen driver education and training programs, enforce stricter penalties for reckless driving.

05

Speed Violation: Most of the drivers are noticed to be speeding at 30 - 70km/hr, with highest deaths at 30km/hr occurring at single carriage, thus Increase police presence and use of speed cameras, implement public awareness campaigns on the dangers of speeding.



Recommendations

- 1. Focus on Single Carriageway Safety:** Given the high number of accidents on single carriageways, targeted road safety interventions in these areas are crucial. Consider improving signage, road design, and enforcement of speed limits.
- 2. Driver Education Programs:** With the majority of casualties involving cars, implementing educational programs focusing on defensive driving and road safety could help reduce the number of accidents.
- 3. Enhanced Monitoring in Dry Conditions:** Since most accidents happen in dry weather, authorities should not only focus on adverse weather but also enhance safety measures during regular conditions. This could involve stricter enforcement of speed limits and other traffic laws.
- 4. Increase Safety in Rural Areas:** If accident rates differ significantly between rural and urban areas, it could be worth focusing resources on the areas with the highest incidence.



Conclusion

The analysis of the 2021-2022 road accident data in various UK regions reveals vital insights into casualty levels and the main factors contributing to these incidents. By concentrating efforts on the most affected areas, enforcing speed control, targeting high-risk zones, and addressing the root causes of accidents, the government can enhance road safety significantly. Implementing the suggested recommendations from this report will be crucial in creating safer roads for everyone across the country.