

Delhi Analysis

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June 2024

1 Introduction

This project aims to analyze mortality patterns in Delhi based on two key factors: geographic characteristics (urban and rural areas) and the age demographics of its residents. The data used for this analysis was obtained through a Right To Information (RTI) request from various administrative bodies in Delhi.

1.1 Data Sources

The data was collected from the following municipal corporations and administrative bodies in Delhi:

- North Delhi Municipal Corporation (North DMC)
- South Delhi Municipal Corporation (South DMC)
- East Delhi Municipal Corporation (East DMC)
- New Delhi Municipal Council (NDMC)
- Delhi Cantonment Board (Delhi Cantt)

2 Objectives

- Geographic Analysis: To identify and compare death rates between urban and rural areas within Delhi.
- Age-based Analysis: To determine mortality rates across different age groups.

3 Analysis

3.1 Overall Deaths

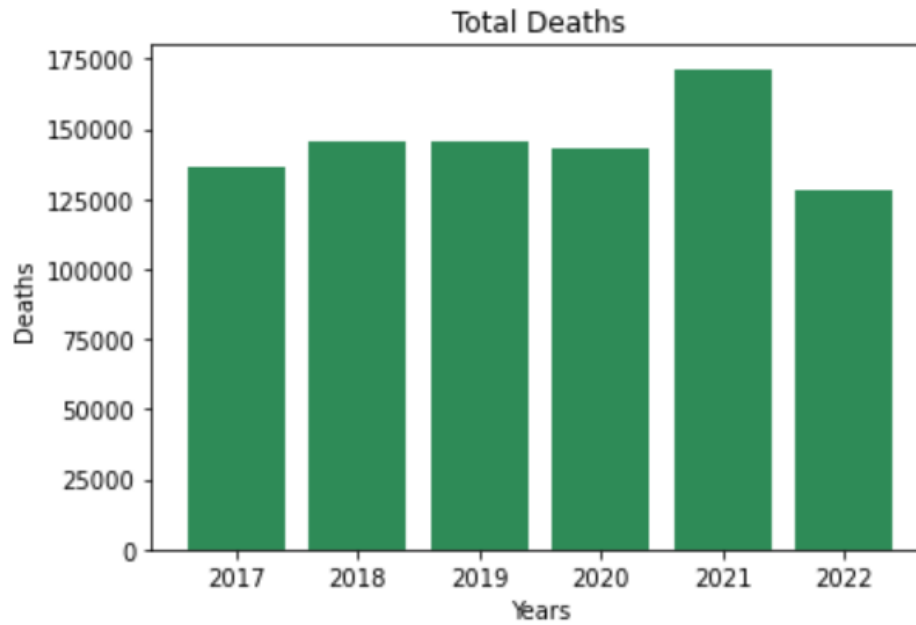


Figure 1: Total Deaths in Delhi from 2017 to 2022

The above graph shows the total deaths in delhi from the year 2017 to 2022. The graph shows that the highest number of deaths occurred in 2021. However, there was a decline in deaths in 2022. The death rates for 2018, 2019, and 2020 remained relatively consistent.

3.2 Death Rates in Urban and Rural Delhi

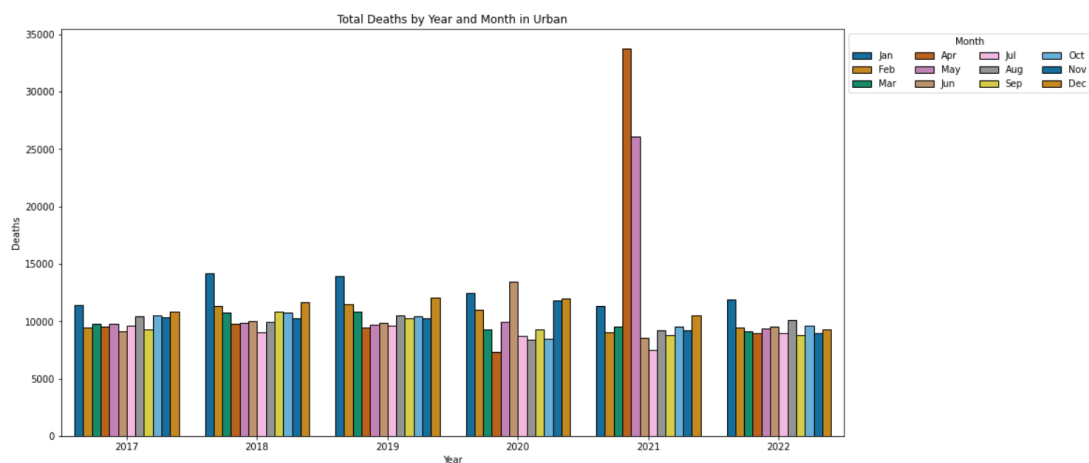


Figure 2: Total Deaths in Urban Delhi from 2017 to 2022 by Month

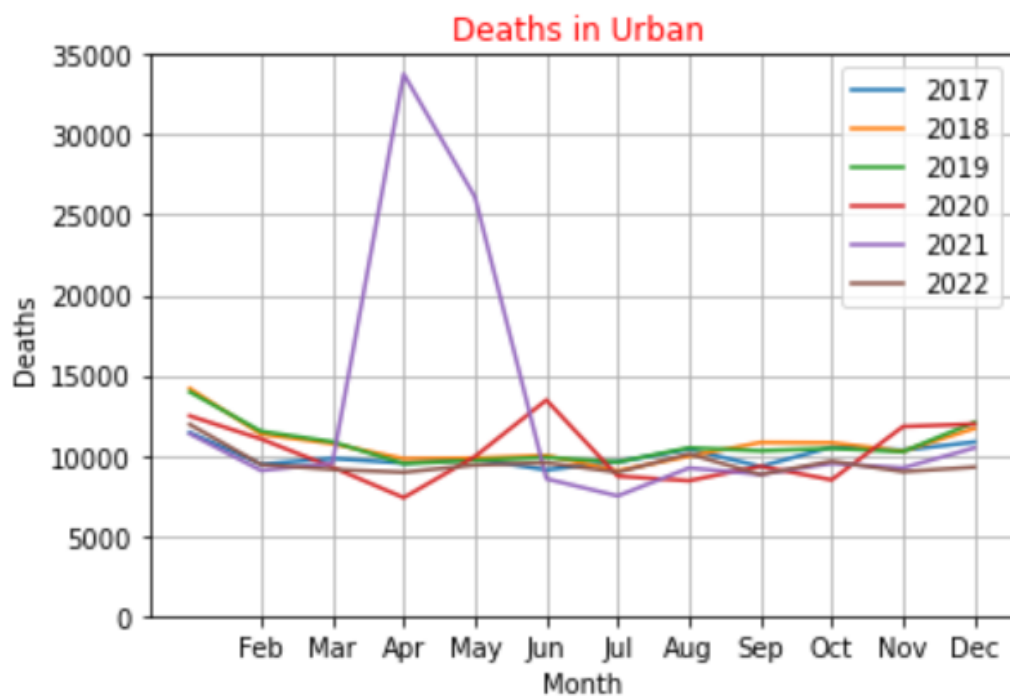


Figure 3: Total Deaths in Urban Delhi from 2017 to 2022

The above graphs illustrates the monthly number of deaths in Urban Delhi from 2017 to 2022. The peak in deaths was observed in April 2021. The second highest was observed in May 2021.

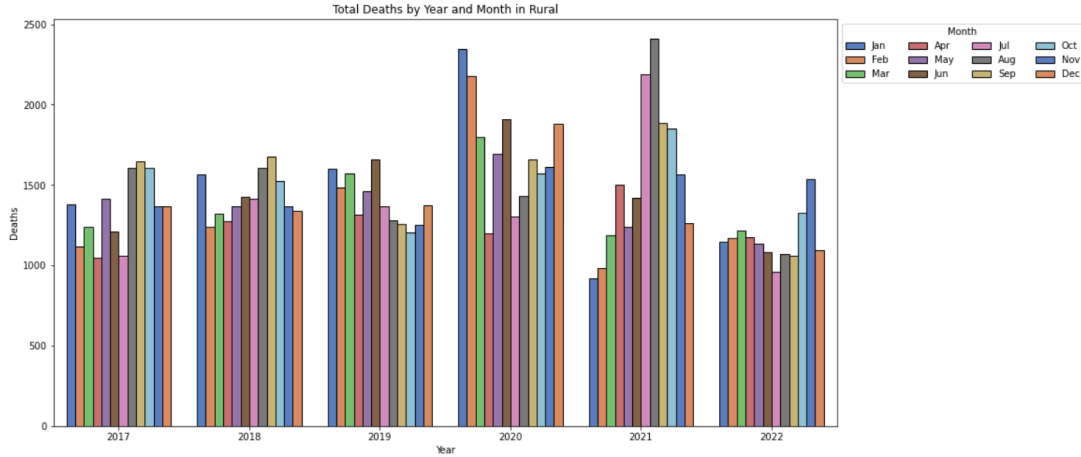


Figure 4: Total Deaths in Rural Delhi from 2017 to 2022 by Month

The graph above displays the deaths in Rural areas from 2017 to 2022, categorized by months. The data indicates that the highest number of deaths was recorded in August 2021. However, notable levels of deaths were also observed in January 2020.

There was indeed a notable increase in deaths from January to March 2020; however, there was a dip in those months for 2021. Conversely, there was an increase in deaths in July and August 2021, despite these same months having lower death rates in 2020.

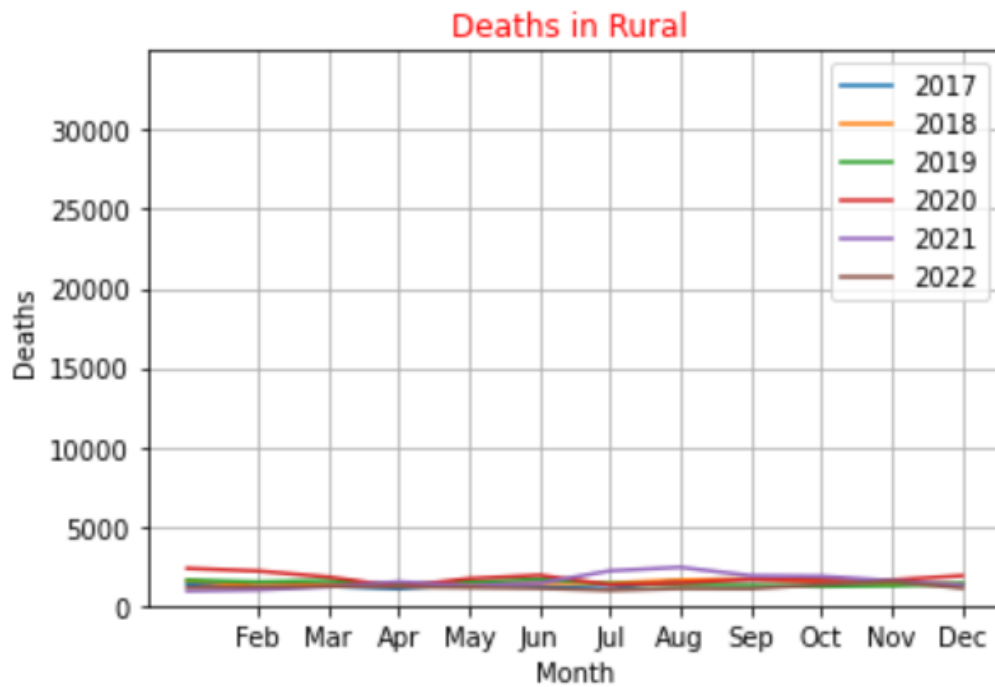


Figure 5: Total Deaths in Rural Delhi from 2017 to 2022

Based on the analysis presented, it can be concluded that deaths are indeed higher in Urban Delhi compared to Rural Delhi. The majority of deaths occurred in 2021.

3.3 Age-wise Deaths

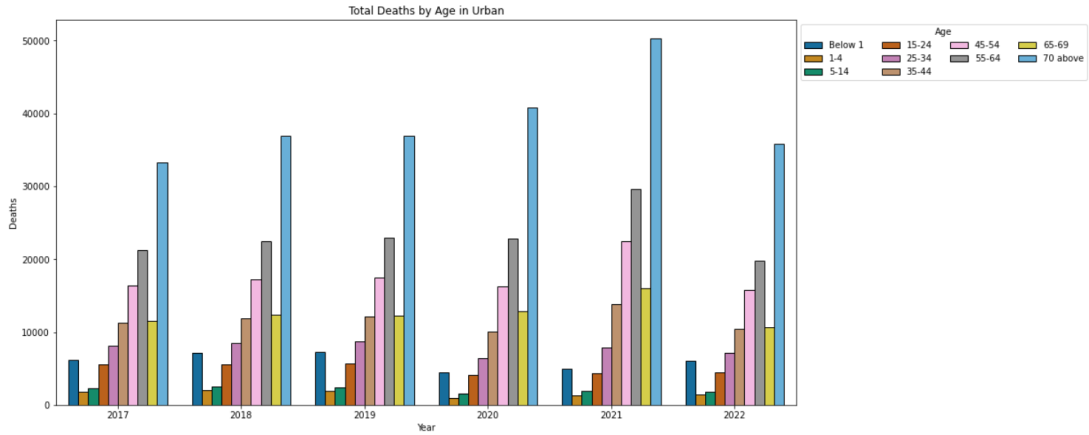


Figure 6: Age-wise deaths in Urban Delhi from 2017 to 2022

Based on the graph, it can be concluded that the highest death rates in 2021 were observed in individuals aged 70 and above.

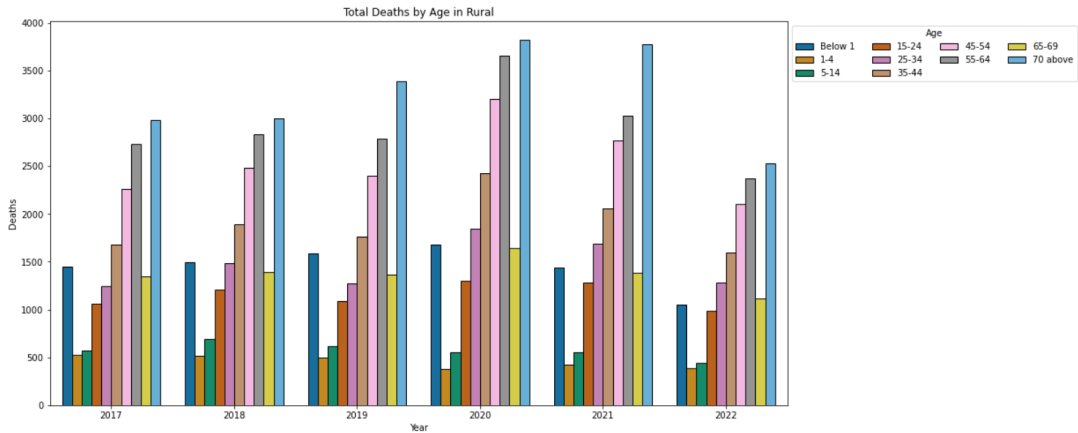


Figure 7: Age-wise deaths in Rural Delhi from 2017 to 2022

In rural Delhi, the highest death rates were recorded in 2020 and 2021. Additionally, the death rates for the age group 55-64 were notably high in 2020.

4 Conclusion

This report aims to provide a comprehensive analysis of mortality patterns in Delhi, offering valuable insights.