The City of Los Angeles'
Crime Analysis

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Introduction

According to Skipp Townsend, a resident of Los Angeles via the Los Angeles Times newspaper, crime in Los Angeles has decreased in 2023 but fear of crime is up.

One major reason why crime seems to be lower year on year is because certain crimes are not being reported which is an indicator of data challenges.

This term project is focused on gaining valuable insights on the crimes in Los Angeles and I obtained the data for this analysis from www.lacity.org.

Data

As mentioned earlier, this dataset was downloaded directly from www.lacity.org and the raw data had 28 columns and 829,778 rows with headers.

I cleaned and structured the dataset for analysis in Microsoft Excel by doing the following:

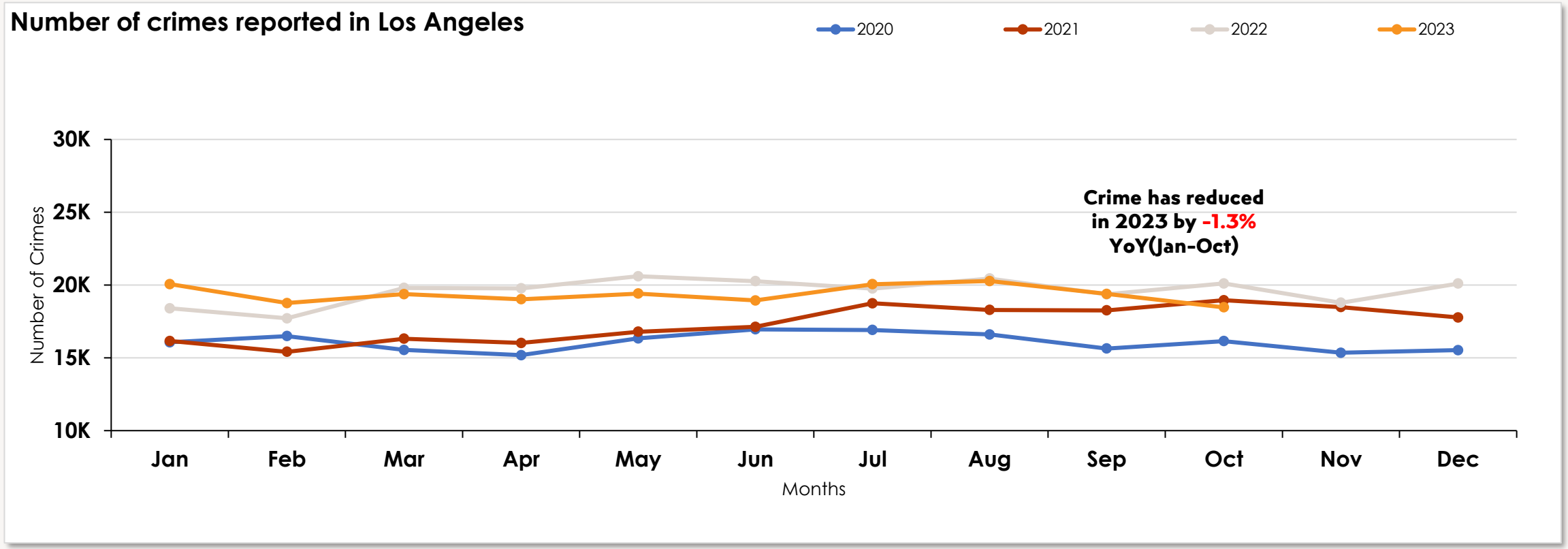
- Renamed the column headers: This was done to ensure easy and straightforward identification of the columns.
- Blank values were replaced with Unknown(UNK): This was done to simplify the analysis and show the data gaps as well as opportunities in the Los Angeles' data collection process.
- Blank values were replaced in the following columns:
    - Victim_Sex
    - Victim Descent
    - Weapon Description
- The unneeded columns were deleted from the dataset.
- Data in all columns were structured according to their specific data type.

I used pivot table analysis in Microsoft Excel to understand and gain insights about this dataset as well as its chart options to give a visual representation of the analysis. This was done to enhance comprehension of the audience.

Column Descriptions

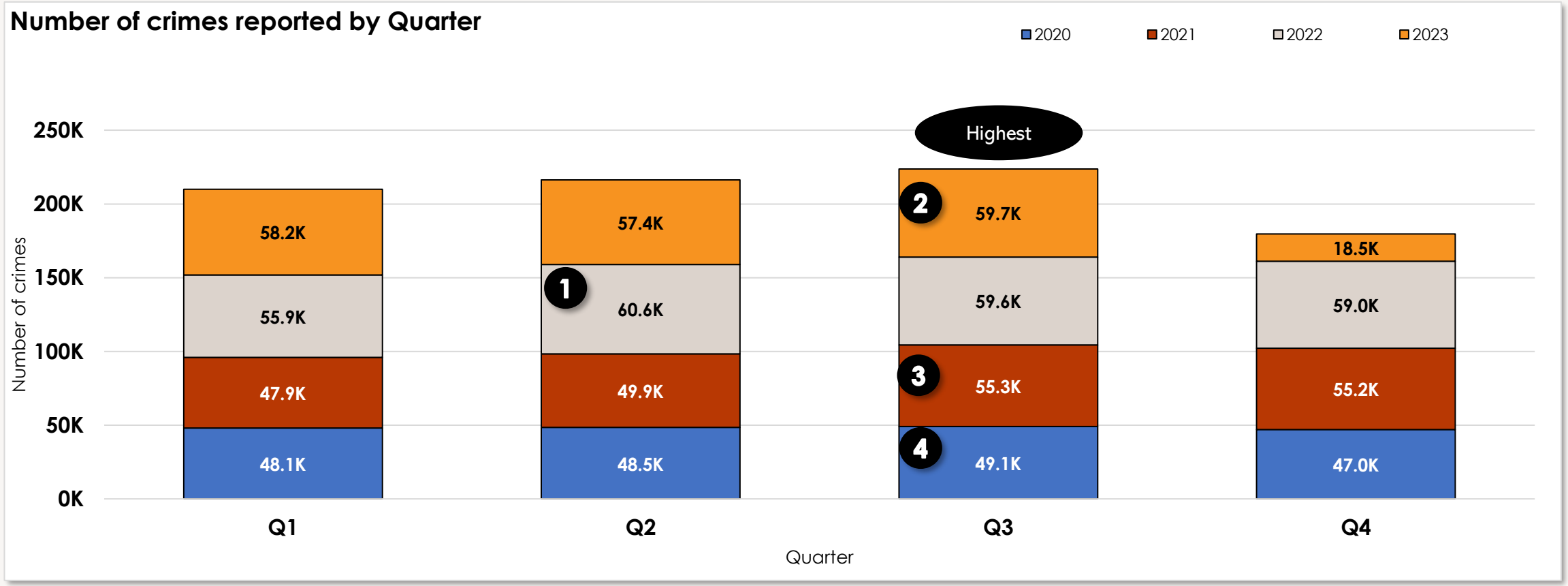
Column Name	Description
Date Reported	Date crime was reported
Date Occurred	Date crime occurred
Time Occurred	Time of crime
Area	Area code of the location where crime occurred
Area Name	Name of the area where crime occurred
Report Dist Number	Code representing a sub-area within a geographic area
Crime Code	Indicates the crime committed
Victim Age	Age of the victim involved in the crime
Victim Sex	Sex of the victim involved in the crime
Victim Descent	Race of the victim involved in the crime
Premise Code	Indicates the crime scene category
Premise Description	Describes the crime scene category
Weapon Description	Describes the type of weapon used when the crime was committed
Status	Describes the status of the case
Status Description	Description of the status
Location	Street address of the crime incident
LAT & LON	Geographical co-ordinates of the crime scene

Los Angeles had the highest number of crimes reported in 2022



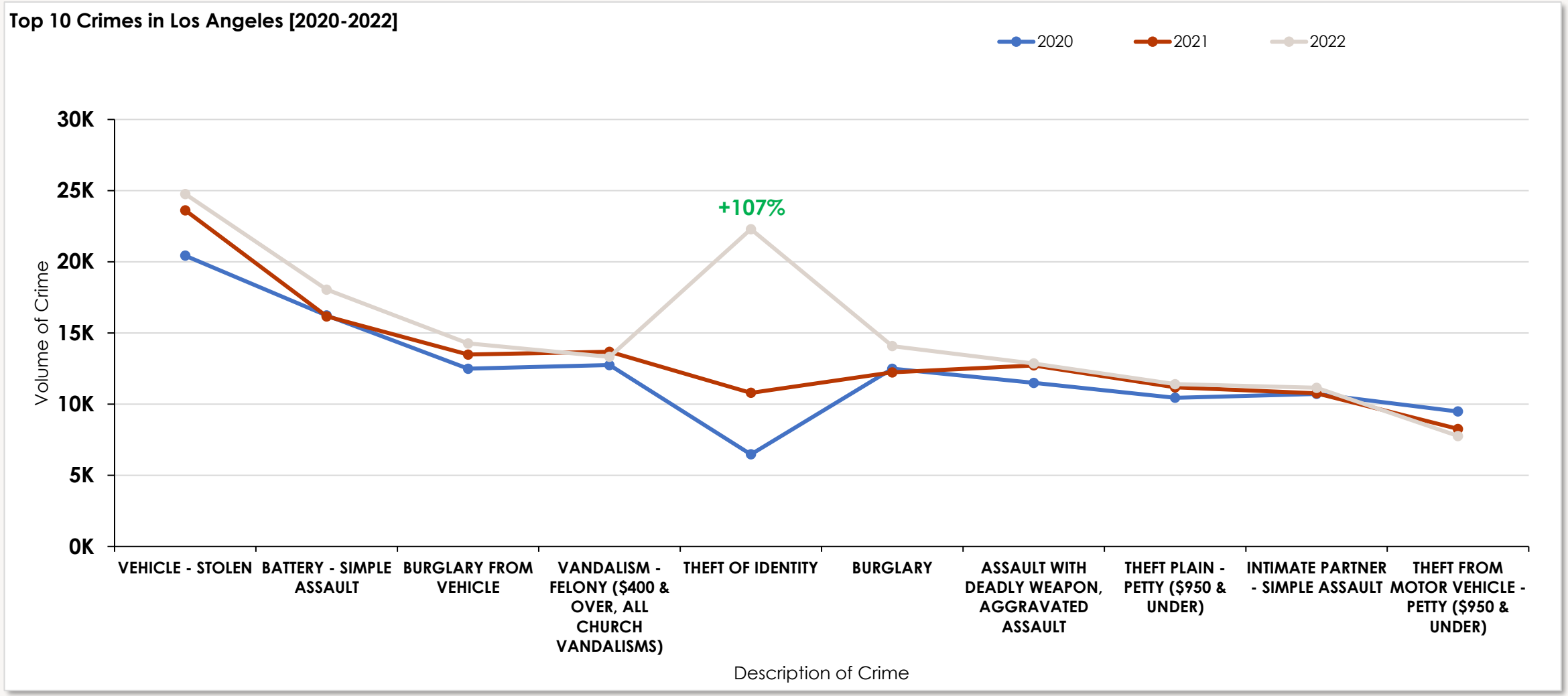
Data Source: lacity.org

Historically, Q3 has had the highest number of crimes with the exception of 2022



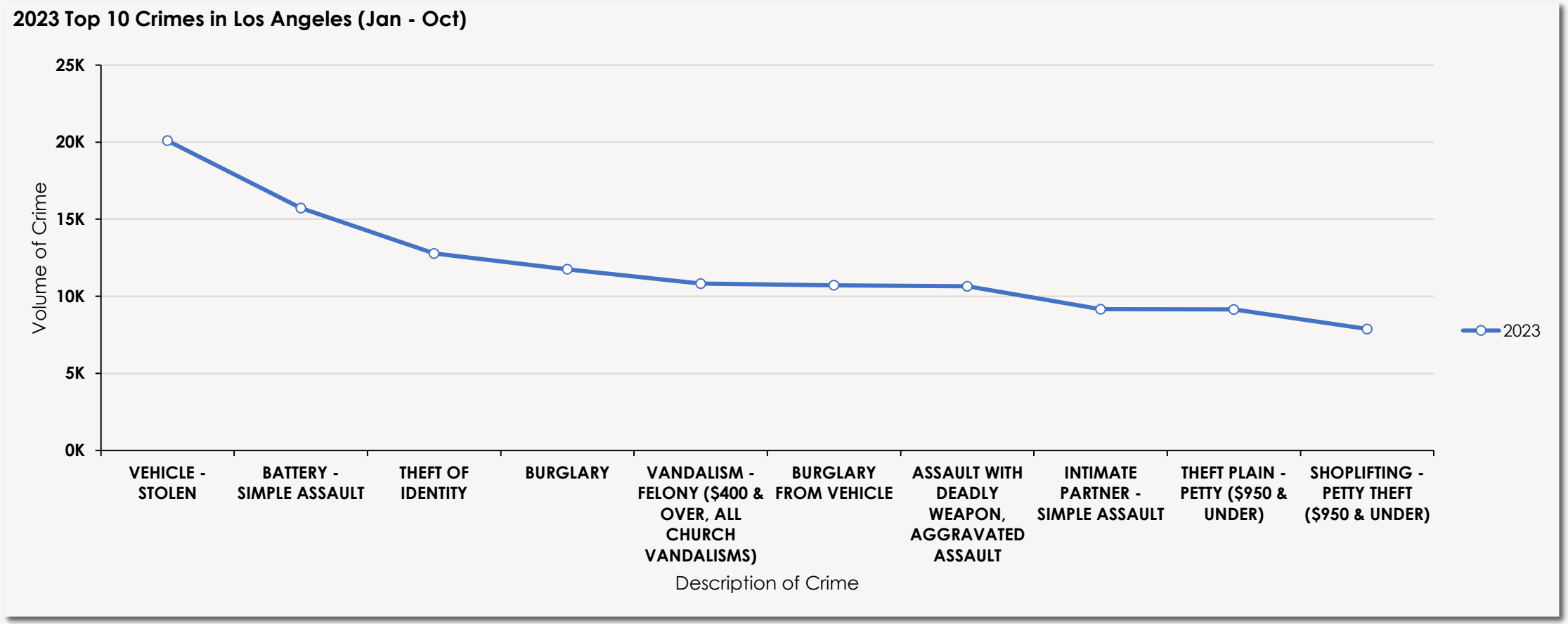
Data Source: lacity.org

Identity Theft increased by 107% in 2022 YoY



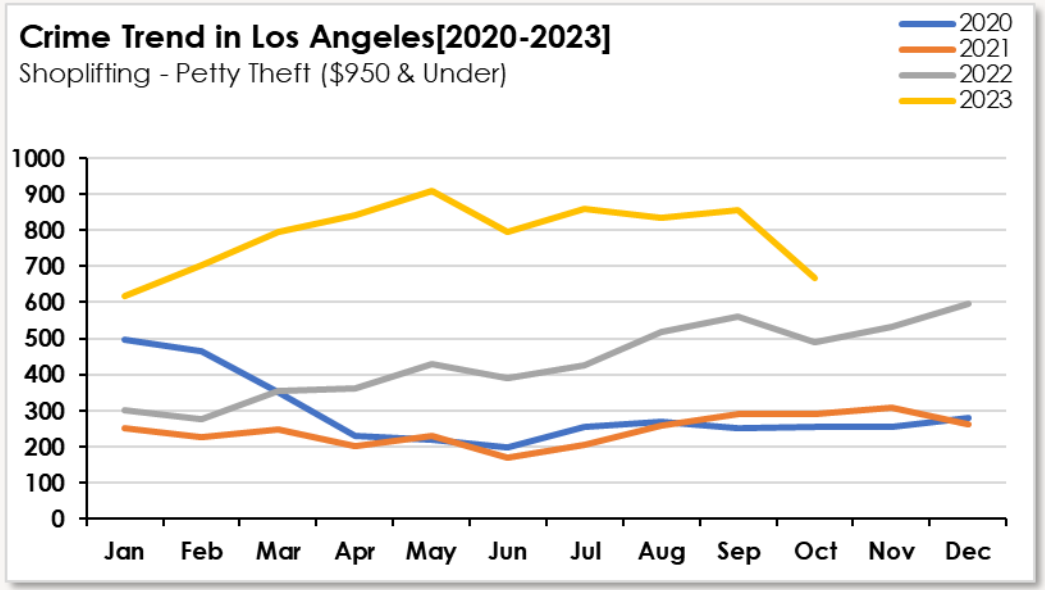
Data Source: lacity.org

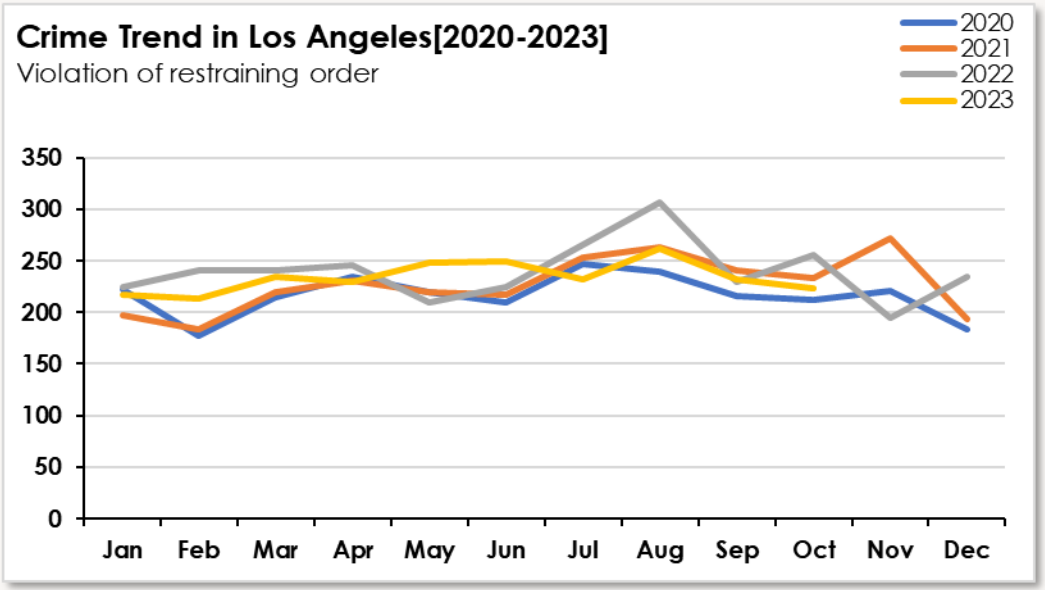
Identity Theft is on the rise in 2023

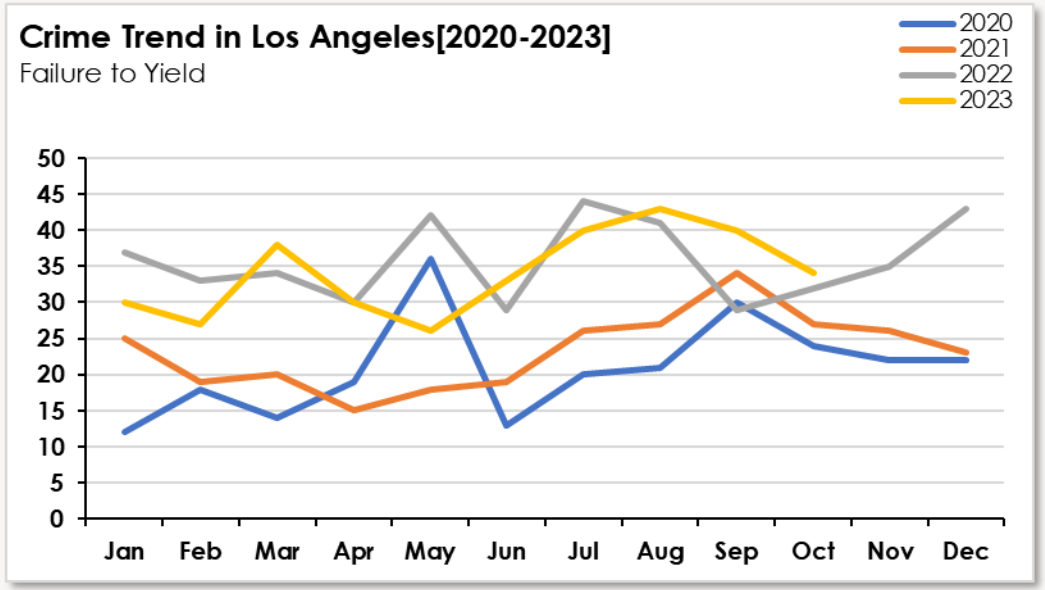


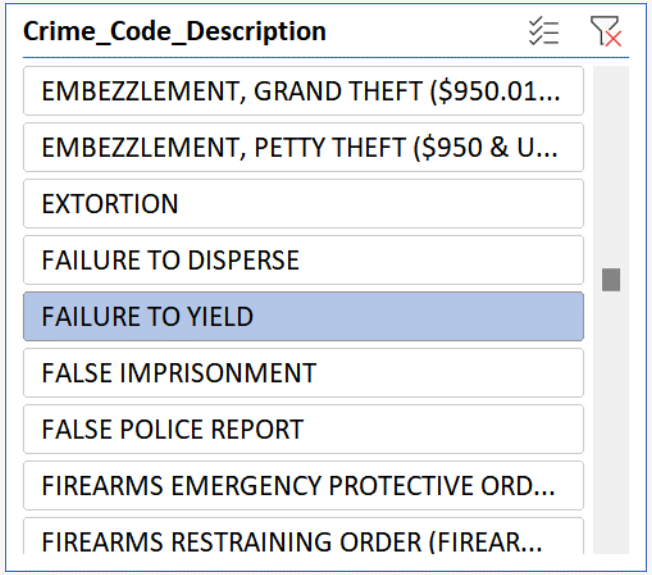
Data Source: lacity.org

Examples of Other Crimes in Los Angeles



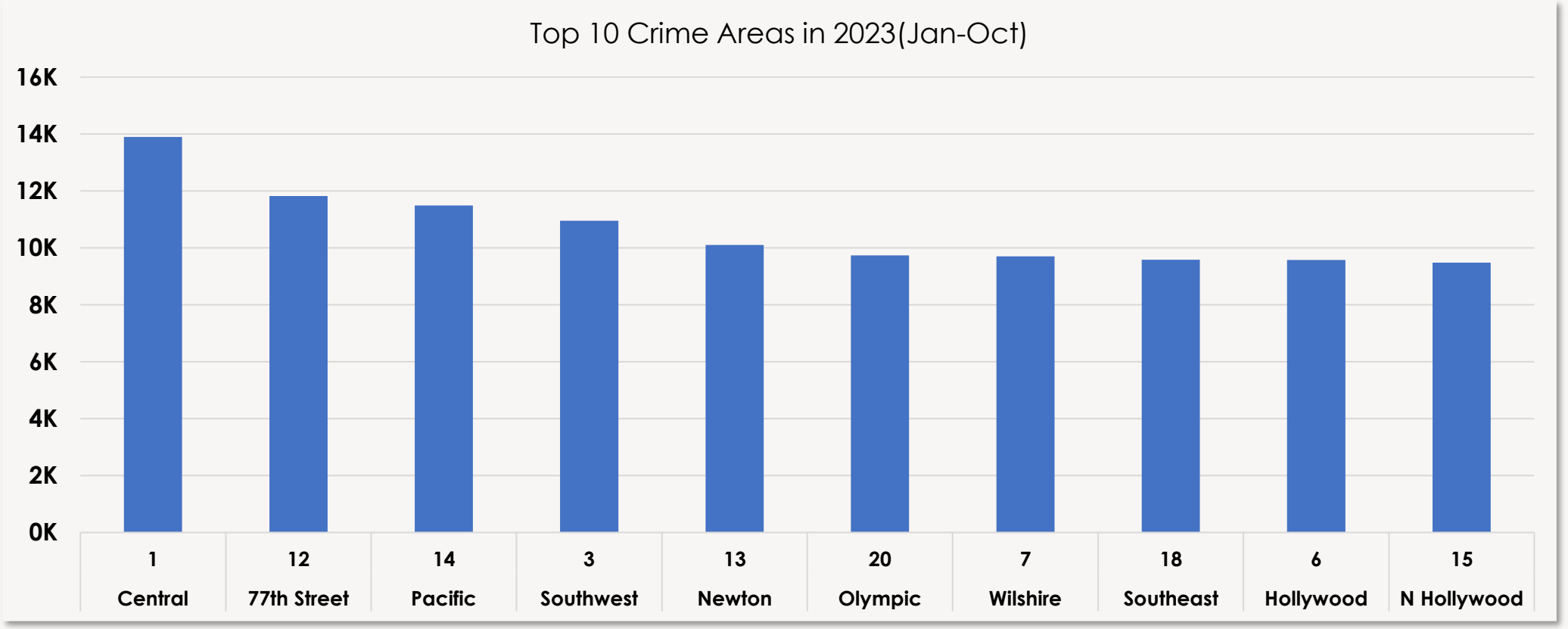






Data Source: lacity.org

Central Los Angeles is the area with the highest crime



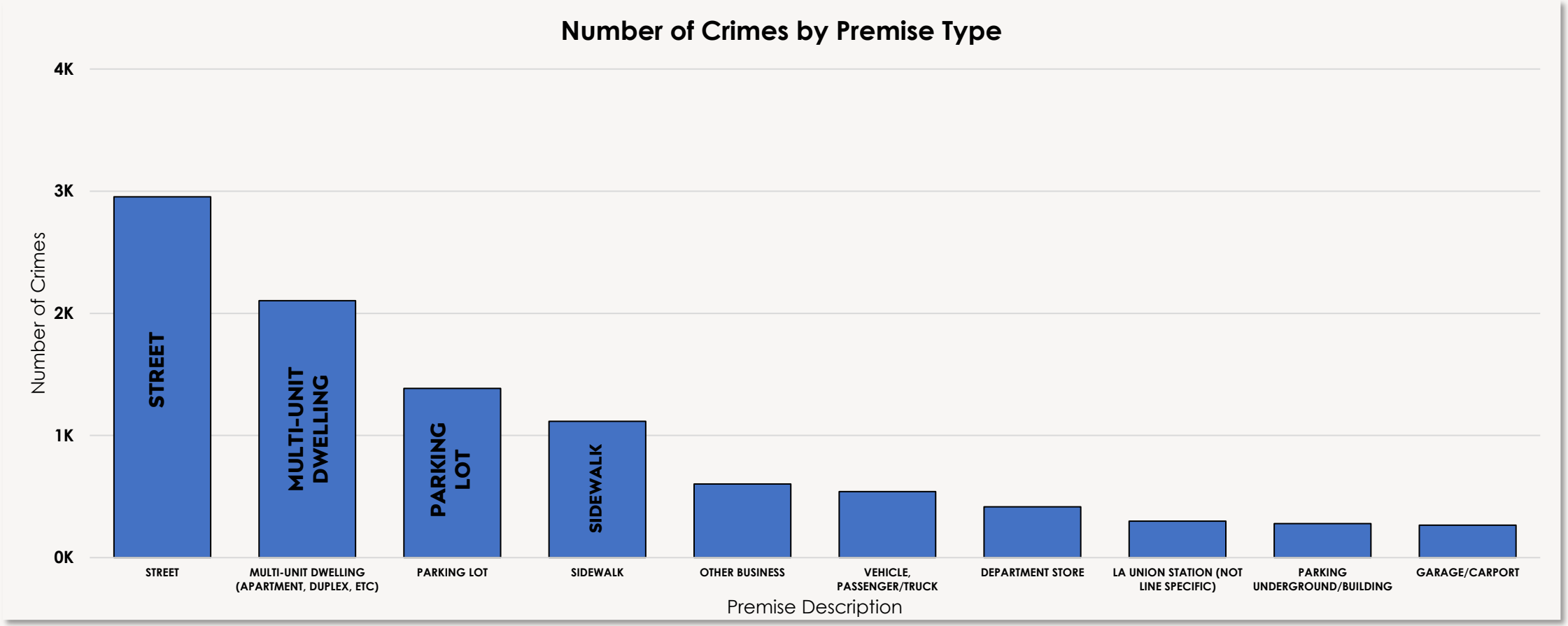
Data Source: lacity.org

Burglary from vehicle leads the top 10 crimes in central Los Angeles

Description of Crime	2023
BURGLARY FROM VEHICLE	2,026
BATTERY - SIMPLE ASSAULT	1,513
VEHICLE - STOLEN	1,031
ASSAULT WITH DEADLY WEAPON, AGGRAVATED ASSAULT	868
VANDALISM - FELONY ($400 & OVER, ALL CHURCH VANDALISMS)	817
THEFT PLAIN - PETTY ($950 & UNDER)	790
THEFT-GRAND ($950.01 & OVER)EXCPT,GUNS,FOWL,LIVESTK,PROD	640
ROBBERY	546
SHOPLIFTING - PETTY THEFT ($950 & UNDER)	531
BURGLARY	490

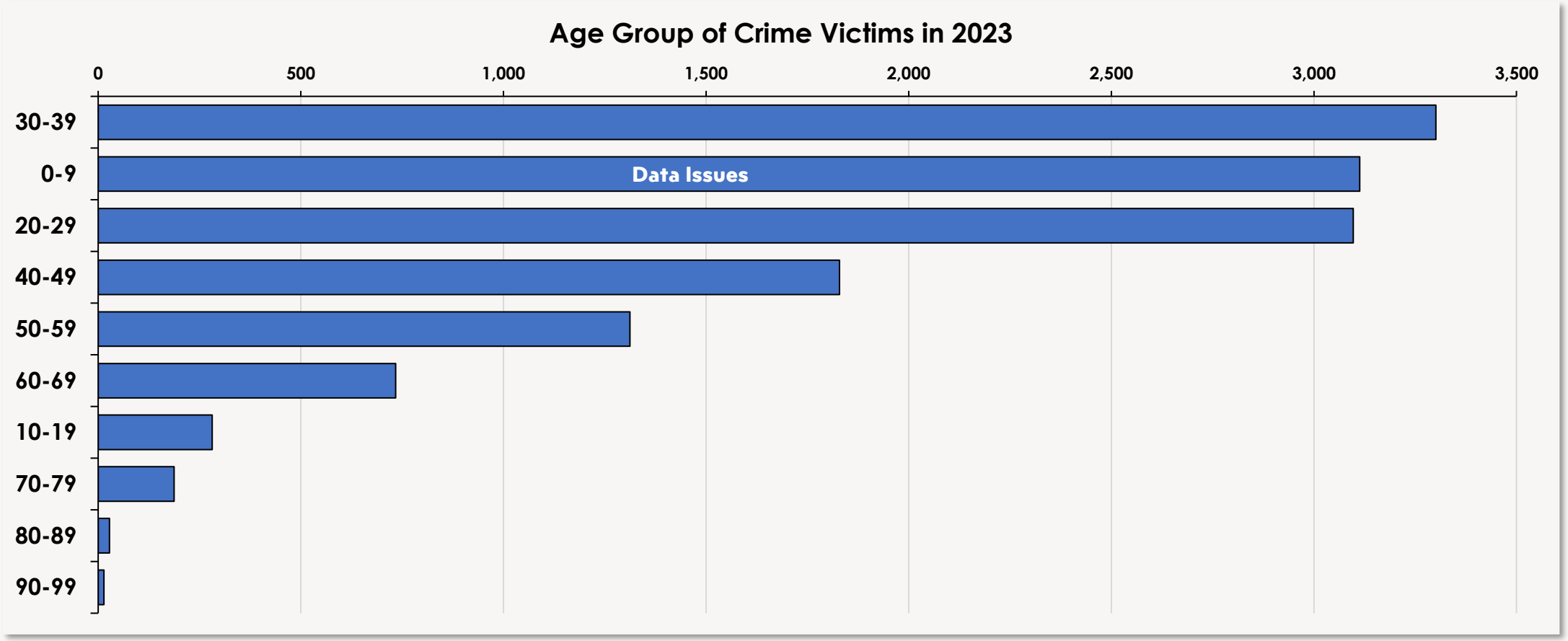
Data Source: lacity.org

Most Crimes are committed on the street – Stolen Vehicles



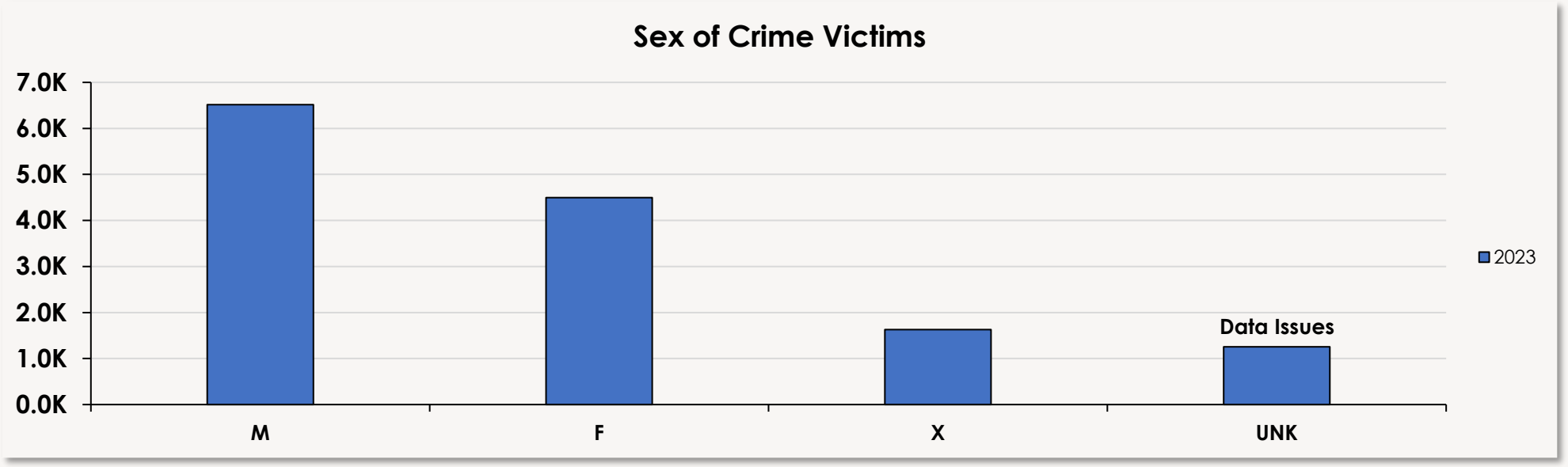
Data Source: lacity.org

Younger Demographic are the Victims



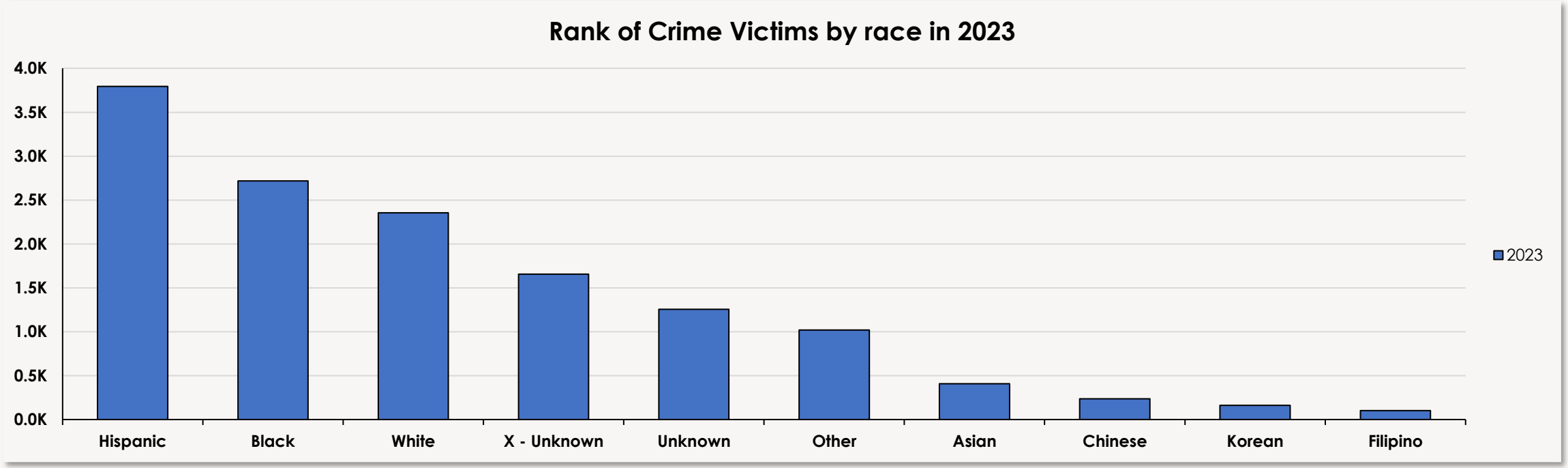
Data Source: lacity.org

Men are most likely to be victims of Crime



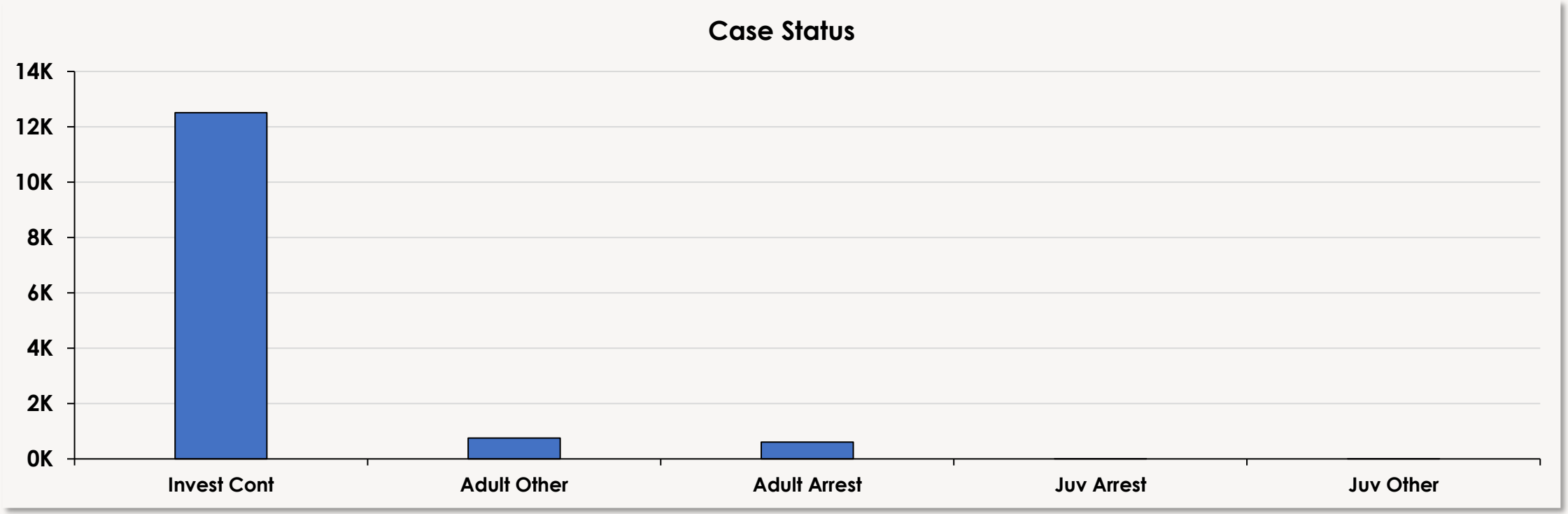
Data Source: lacity.org

Hispanics are top targets of crimes in Los Angeles



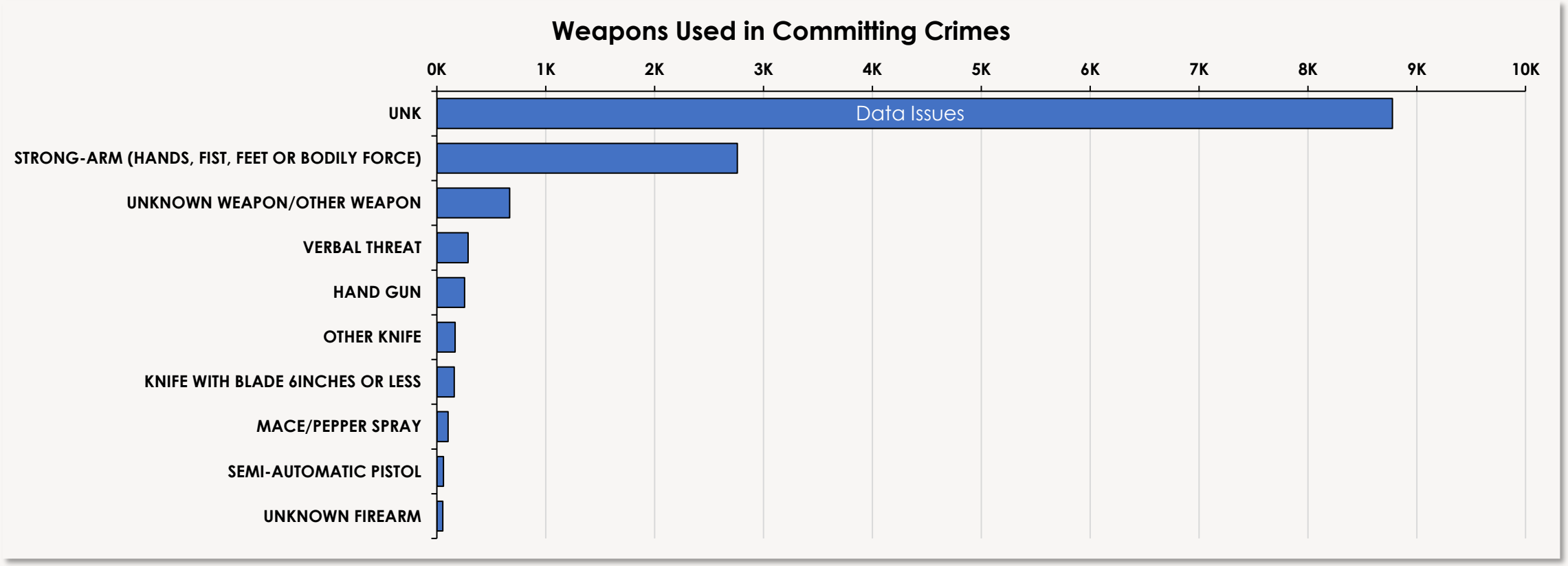
Data Source: lacity.org

Law Enforcement appears to be very busy investigating crimes



Data Source: lacity.org

Improvement needed in Data collection and recording



Data Source: lacity.org

Summary

Crime is on the rise in Los Angeles and immediate actions need to be taken to improve intelligence gathering, data collection and city patrol.

Investment also must be made to ensure the workforce is sufficient and capable enough to ensure the safety of the residents.

Thank you

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