TORONTO BICYCLE THEFTS DASHBOARD

Cycling is an enjoyable, efficient, and healthy mode of transportation. However, without proper precautions, many cyclists may fall victim to theft.

This dashboard aims to provide valuable insights into bicycle theft in Toronto by analyzing data from the past decade.

The dashboard is divided into three key sections:

1. **Overview**: Provides a summary of the bicycle theft landscape in Toronto.
2. **Temporal Analysis**: Examines how bicycle theft trends fluctuate over time.
3. **Location Analysis**: Investigates variations in bicycle theft based on geographic locations.

The data used in this dashboard is provided by the city of Toronto. You can access the dataset by navigating to this link: Bicycle Thefts - City of Toronto Open Data Portal

BICYCLE THEFTS - Overview

Reset Filters

Year
2023

Quarter
All

Month
All

Time of Day
All

Disrict
All

Police Division
All

Total Bicycle Theft Count
2,981
-0.07%

Est. Bicycle Loss Value
$3.82M
1.37%

Average Report Delay in Days
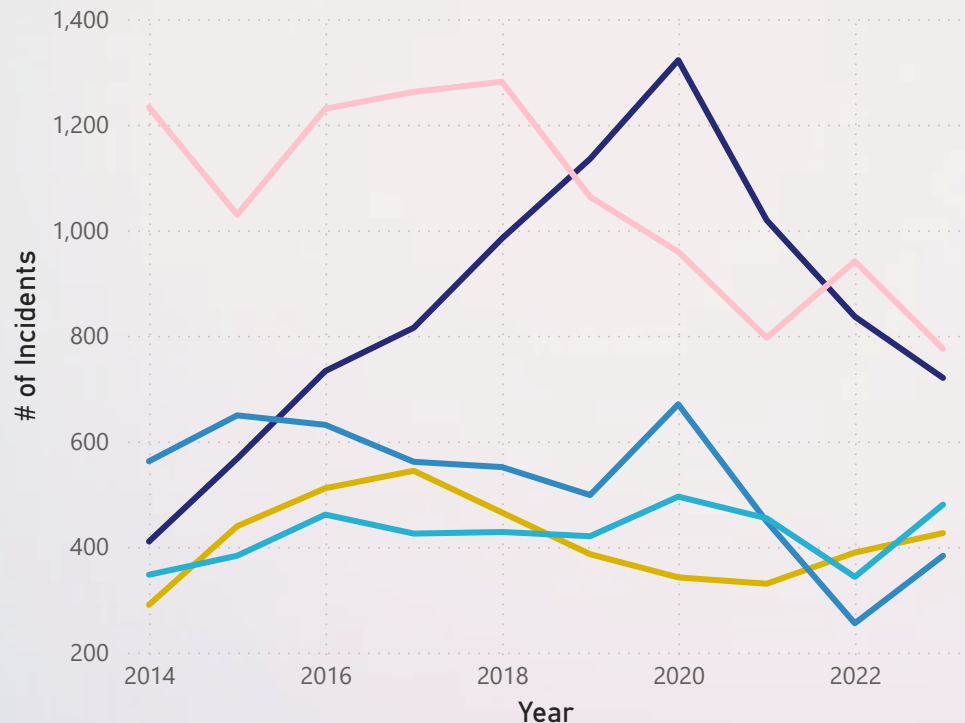### 6.52
-11.36%

Recovery Rate
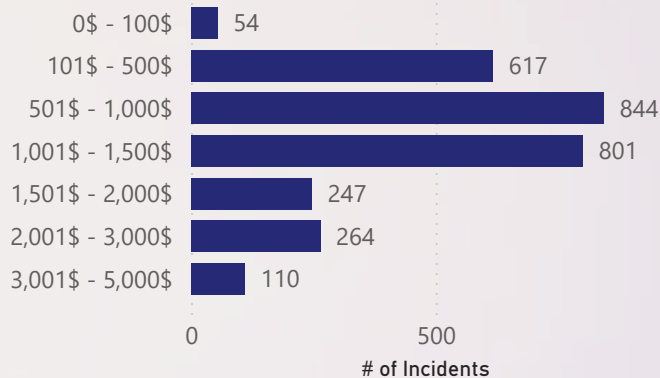### 0.74%
214.50%

% Change Previous Year

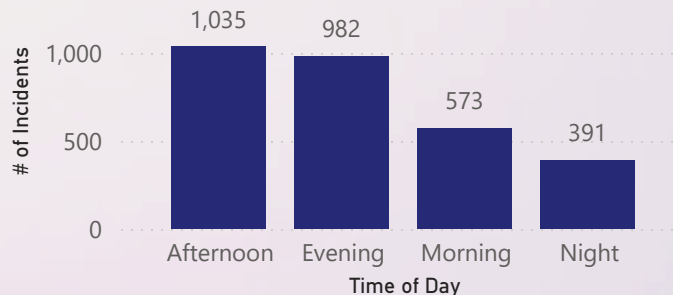## Count of Bicycle Thefts by Premises and Year

Premises ● Apartment ● Commercial ● House ● Other ● Outside

Count of Bicycle Thefts by Bicycle Value

Value	# of Incidents
0$ - 100$	54
101$ - 500$	617
501$ - 1,000$	844
1,001$ - 1,500$	801
1,501$ - 2,000$	247
2,001$ - 3,000$	264
3,001$ - 5,000$	110

# of Incidents

Count of Bicycle Thefts by Period

Time of Day	# of Incidents
Afternoon	1,035
Evening	982
Morning	573
Night	391

Insights for year 2023:

• In 2023, there were 2,981 reported stolen bicycles, averaging approximately 8 thefts per day.

• The recovery rate increased to 0.74% this year, but it remains quite low, indicating that retrieving stolen bicycles is still challenging.

• On average, it took nearly a week for stolen bicycles to be reported. To improve recovery chances, report thefts as soon as possible.

• Most thefts occurred outside or at apartment complexes. Ensuring your bicycle is securely locked and stored in these areas is crucial.

• The majority of thefts were recorded in the afternoon and evening (12 PM to 11:59 PM). This trend may be associated with increased cyclist activity during these times.

BICYCLE THEFTS - TEMPORAL TRENDS

Reset Filters

Year
2023

Quarter
All

Month
All

Day of Week
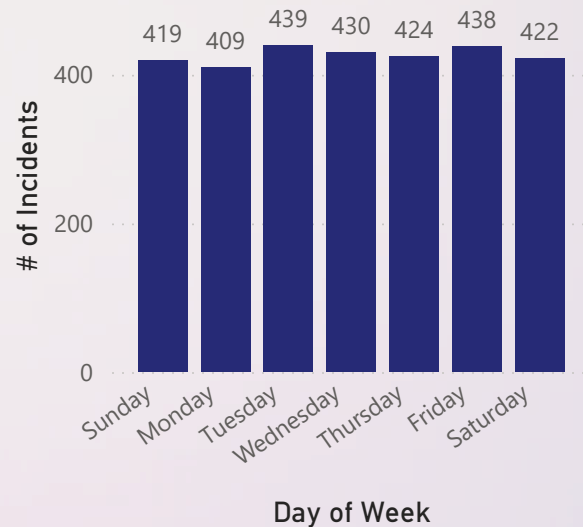All

Time of Day
All

Discrict
All

Division
All

Bicycle Theft Patterns: Hourly and Daily Trends

	12am	1am	2am	3am	4am	5am	6am	7am	8am	9am	10am	11am	12pm	1pm	2pm	3pm	4pm	5pm	6pm	7pm	8pm	9pm	10pm	11pm
Sunday	16	19	5	10	7	3	6	5	16	12	19	17	24	33	15	28	15	21	34	27	33	16	21	17
Monday	26	12	8	7	9	3	2	7	16	15	11	14	31	20	19	33	25	20	27	24	21	11	27	21
Tuesday	13	6	6	8	4	4	2	13	24	17	8	19	25	31	27	23	33	39	37	26	25	18	17	14
Wednesday	24	5	7	11	5	12	5	8	16	23	19	12	30	16	16	21	28	33	38	32	25	16	22	6
Thursday	14	9	4	4	5	3	9	11	16	27	17	19	29	25	16	19	17	36	34	31	26	22	15	16
Friday	23	10	4	6	4	4	4	12	16	14	25	12	26	25	18	31	28	38	41	22	25	21	9	20
Saturday	28	6	18	6	10	3	4	8	6	30	22	15	14	20	26	20	15	26	32	24	28	24	20	17

Bicycle Theft by Month

Values along the line (by month): January 87, February 103, March 95, April 157, May 258, June 340, July 473, August 410, September 406, October 340, November 183, December 129

Y-axis: # of Incidents (0, 200, 400)
X-axis: Month

Bicycle Theft by Day of Week

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
419	409	439	430	424	438	422

Y-axis: # of Incidents (0, 200, 400)
X-axis: Day of Week

Insights for year 2023:

- The highest concentrations of thefts were observed at 5 PM and 6 PM. This time frame marks the peak period for bicycle thefts.

- July records the highest number of thefts, followed by August and September. This trend suggests that warmer weather may contribute to higher theft rates.

- The proportion of thefts remains fairly consistent across all days of the week, indicating no significant variation in theft occurrences based on any particular day of the week.

BICYCLE THEFTS - LOCATION TRENDS

Reset Filters

Year
2023

Quarter
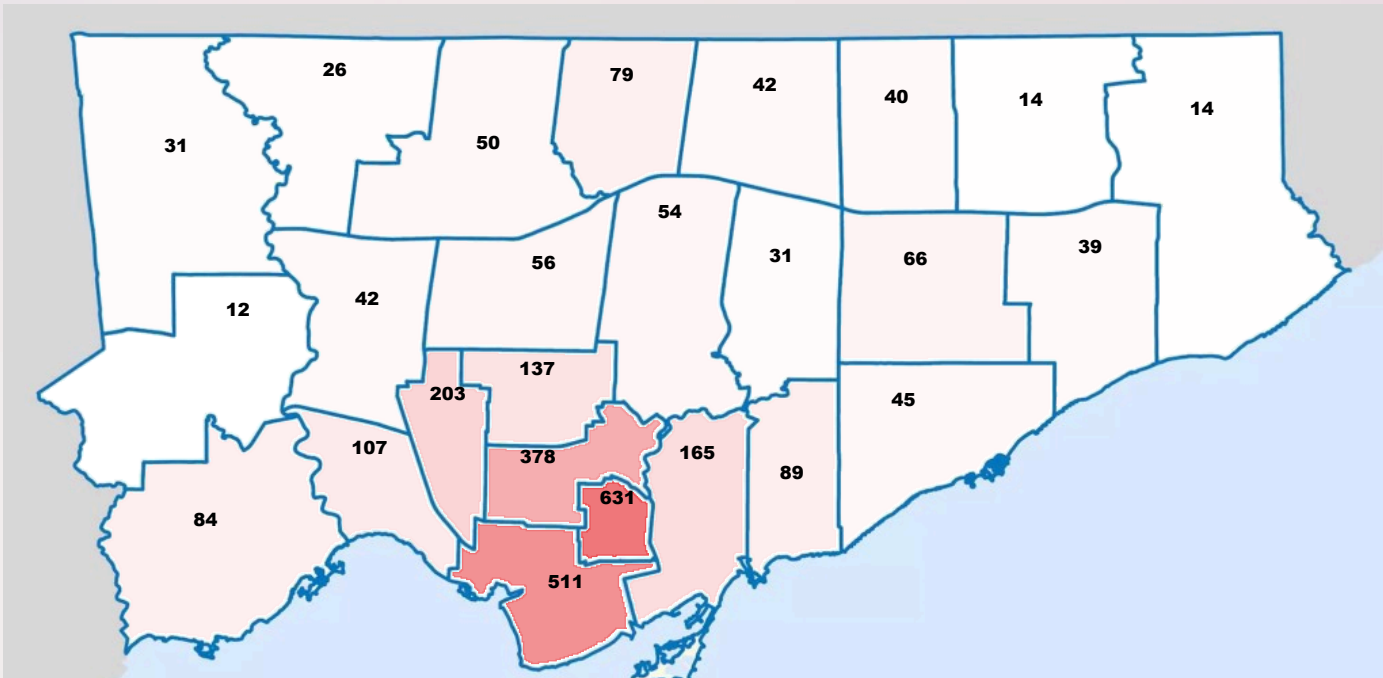All

Month
All

Day of Week
All

Time of Day
All

Division
All

Disrict
All

Bicycle Theft Record Counts by Ward Map

Map values: 26, 79, 42, 40, 14, 14, 31, 50, 54, 12, 42, 56, 31, 66, 39, 137, 203, 107, 378, 165, 89, 45, 631, 84, 511

Bicycle Theft Hotspots by Road and Location Type

Road	Incidents Count
Yonge Street	208
Bay Street	95
College Street	58
Bloor Street West	57
Church Street	47
Spadina Avenue	47

Location Type	Incidents Count
Apartment (Rooming House, Condo)	720
Streets, Roads, Highways (Bicycle Path, Private Road)	488
Single Home, House (Attach Garage, Cottage, Mobile)	383
Parking Lots (Apt., Commercial Or Non-Commercial)	249

Insights for year 2023:

• Yonge Street experiences a significantly higher number of thefts compared to other streets in Toronto. It is crucial to remain extra vigilant and ensure bicycles are securely locked or attended to, especially in this area.

• The Toronto Center ward records the highest number of bicycle thefts. This increase may be due to its high foot traffic and dense cyclist population.

• Apart from 'Outside' locations, the highest number of thefts occurs at apartment buildings, followed by streets, roads, or highways. Individuals living in or commuting to apartment buildings should consider bringing their bicycles indoors to reduce the risk of theft.