Kingston Police

Public Agenda Information Report

To: Kingston Police Services Board

From: Scott Fraser, Chief of Police

Subject: Accident Support Services International Ltd.
                2023 Year-End Collision Report

Date: February 8, 2024

Recommendation:

That the Accident Support Services International Ltd. 2023 Year-End Collision Report, Report Number 24-09 is for information only.

Summary:

Please find attached the Collision Report for the fourth quarter of 2023, compiled and provided by Accident Support Services International Ltd.

Contact:

Scott Fraser, Chief of Police   613-549-4660 ext. 2213

Kingston Police Service

(January 1st – December 31st) Collision Statistics
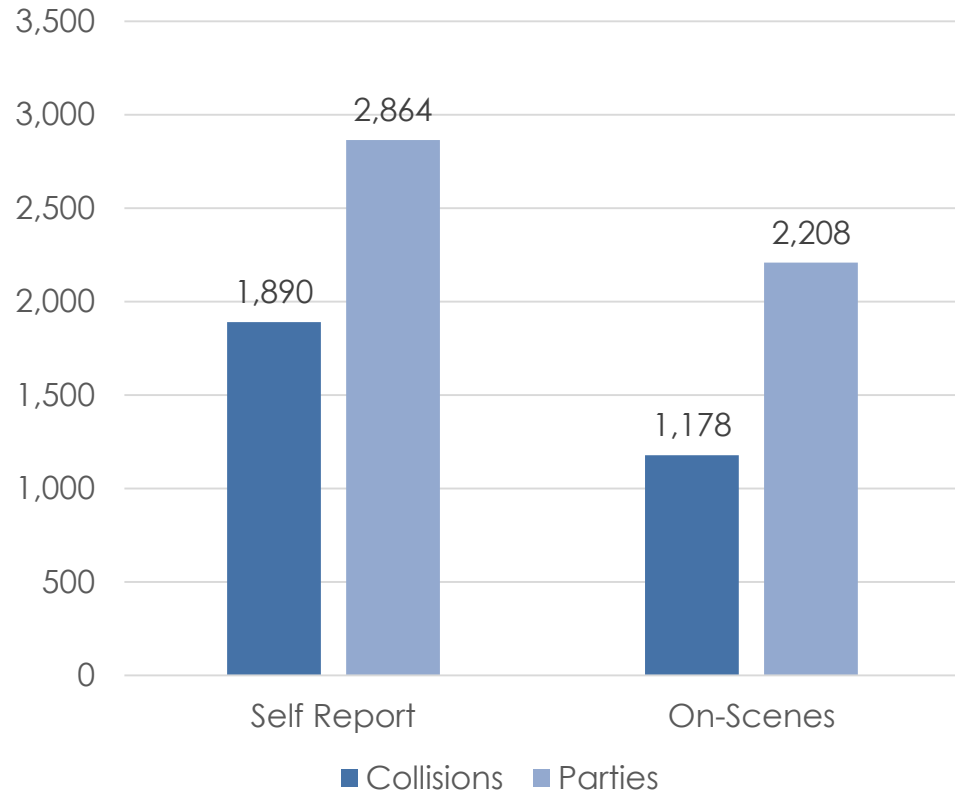

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Kingston Police Service
Collision Statistics Breakdown
January 1st –December 31st , 2023

Collision Type	Total Collisions
On-Scene Collisions	1,178
Self-Reported Collisions	1,890
Total Collisions	**3.068**

Collision Type	Total Parties (Vehicles Reported)
On-Scene Parties	2,208
Self-Reported Parties	2,864
Total Parties	**5,072**

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Kingston Police Service
Collision Statistics Breakdown
January 1st –December 31st ,2023

Collision Type	Total Collisions	% of Collisions
On-Scene Collisions	1,178	38
Self-Reported Collisions	1,890	61
Total Collisions	**3,068**	

38%

61%

■ On-Scenes   ■ Self-Reports

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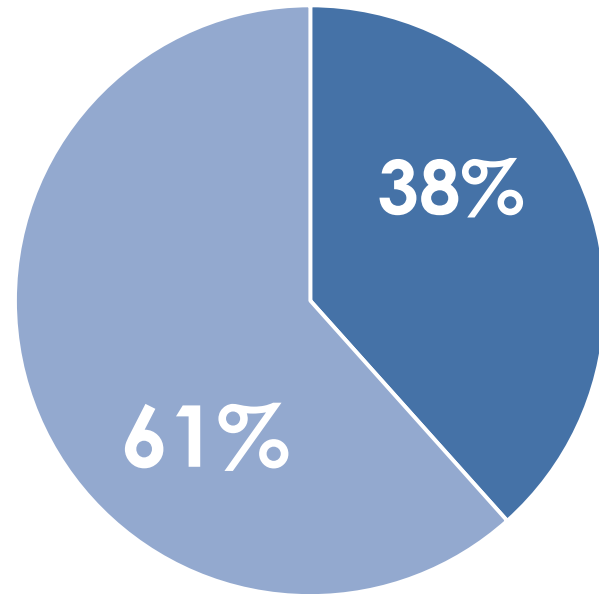
Kingston Police Service (January 1st – December 31st 2023) Collision Statistics

Month	Present Year	Previous Year	Gain/Loss	Gain/Loss %Over Previous Year	% of Total Present Year	% of Total Previous Year	Gain/Loss of %
Driveable	4,213	3,593	620	17.26%	83.0%	77.3%	5.6%
Tows	864	1,053	-189	-17.95%	17.0%	22.7%	-5.6%
Total Vehicles	5,077	4,646	431	9.28%	100%	100%	
On Scene Parties	2,208	2,233	-25	-1.12%	43.5%	48.1%	-4.6%
Self Reports Parties	2,869	2,413	456	18.90%	56.5%	51.9%	4.6%
Injuries	303	305	-2	-0.66%	5.6%	6.2%	-0.6%
Total Self Reported Collisions	1,889	1,645	244	14.83%	61.6%	57.6%	4.0%
Total On Scene Collisions	1,178	1,210	-32	-2.64%	38.4%	42.4%	-4.0%
Total Collisions	3,067	2,855	212	7.43%	100.0%	100.0%	0.0%

Breakdown of MVAR (401) Classification of Collisions

Month	Present Year	Previous Year	Gain/Loss	Gain/Loss %Over Previous Year	% of Total Present Year	% of Total Previous Year	Gain/Loss of %
On Scene MVAR							
Fatal Injury	4	4	0		0.3%	0.3%	0.0%
Non-Fatal Injury	219	196	23		18.6%	16.2%	2.4%
PD Only	833	913	-80		70.8%	75.5%	-4.6%
Non-Reportable	118	88	30		10.0%	7.3%	2.8%
Other	2	9	-7		0.2%	0.7%	-0.6%
Total	1,176	1,210	-34		100.0%	100.0%	

*Breakdown of 401 Classification type is determined by Box 42; blanks not included in total

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Self-Reports & On-Scenes

ALL COLLISION DATA

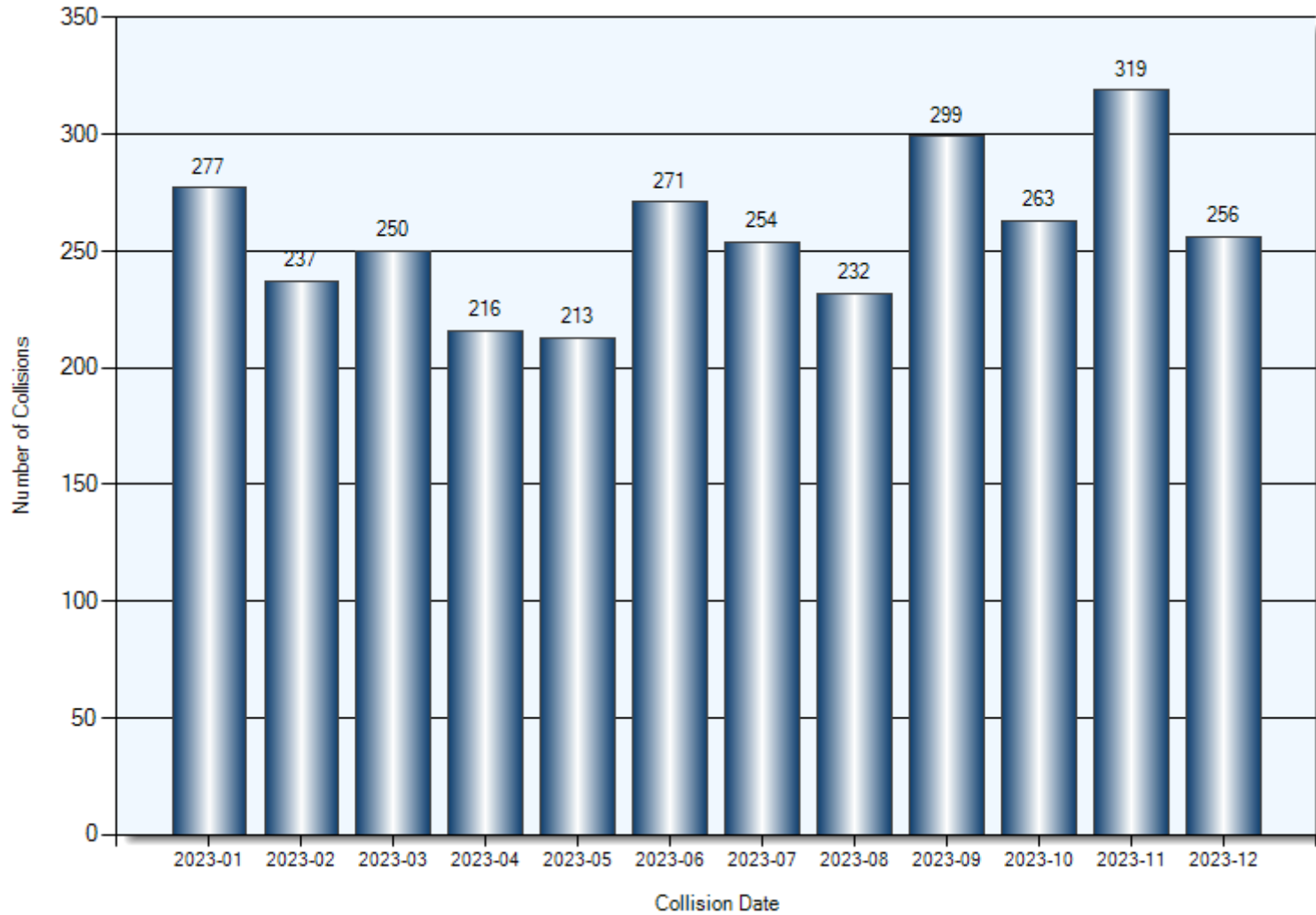**Drivers with improper licences:** Total Incidents: 35

Drivers with suspended licences: Total Incidents: 19

Collisions reported on roads that were under repair or construction: Total Incidents: 18

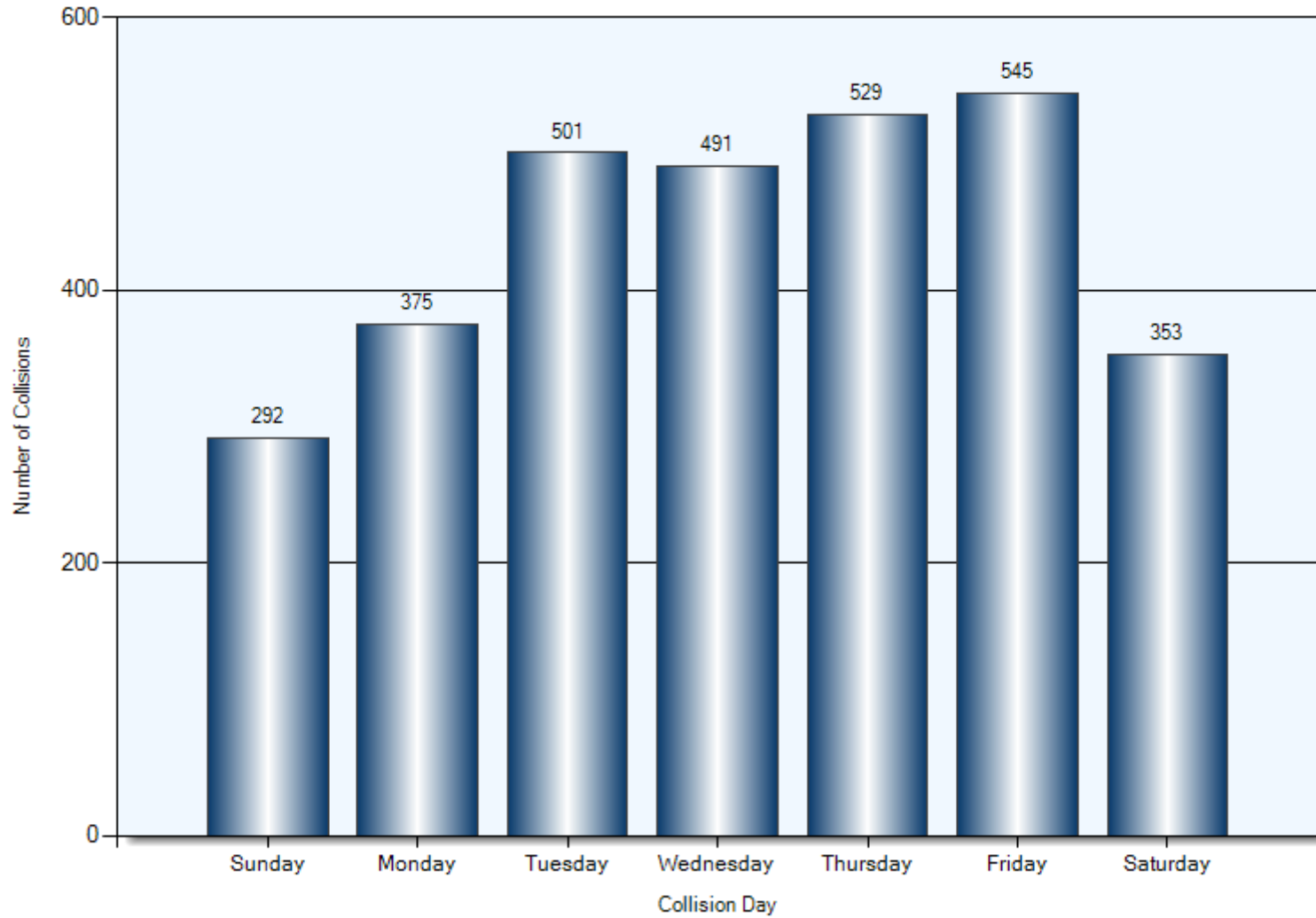**Breathalyzers Administered:** Total Incidents: 33
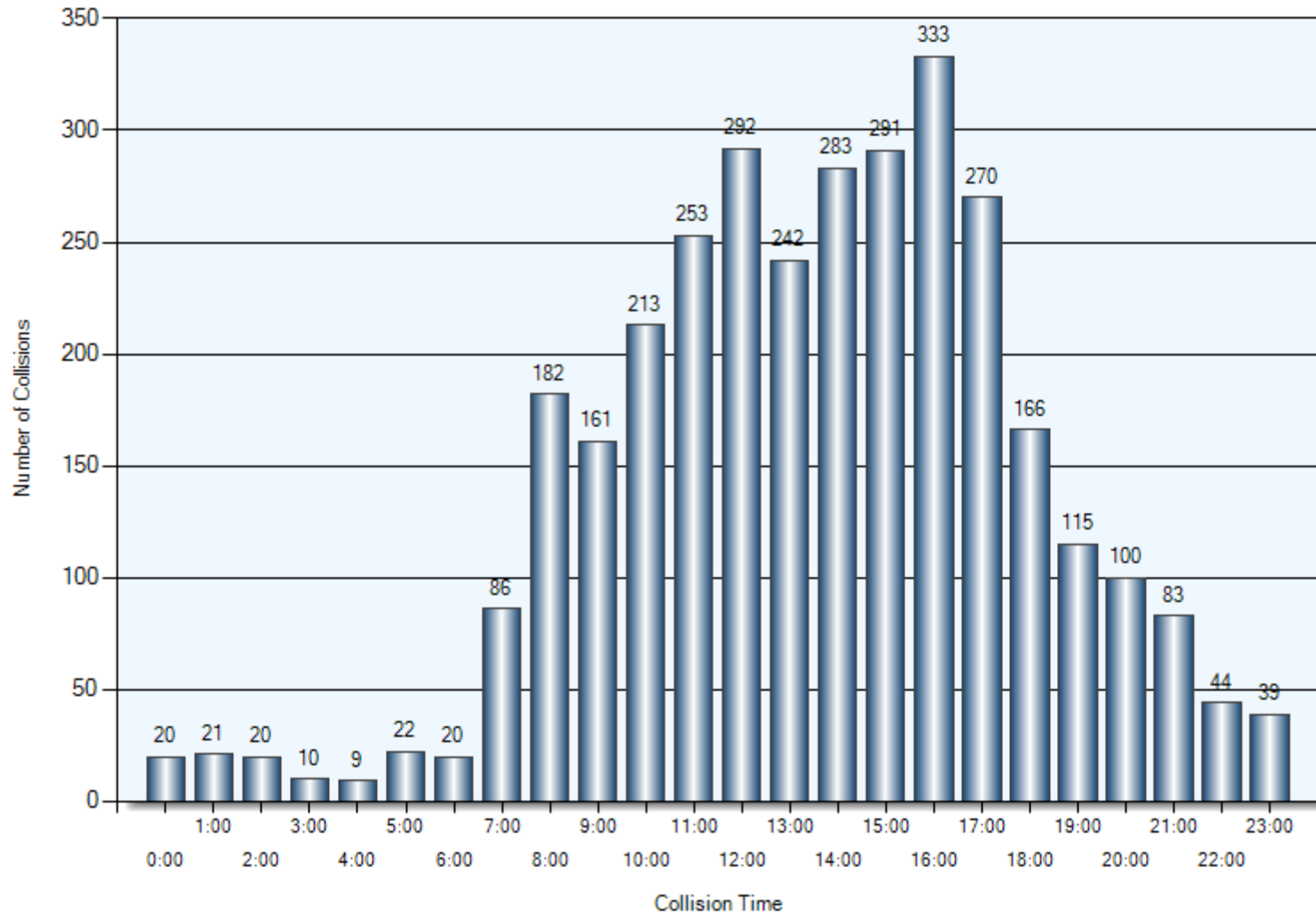
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Collision Date

Collision Day

Collision Times
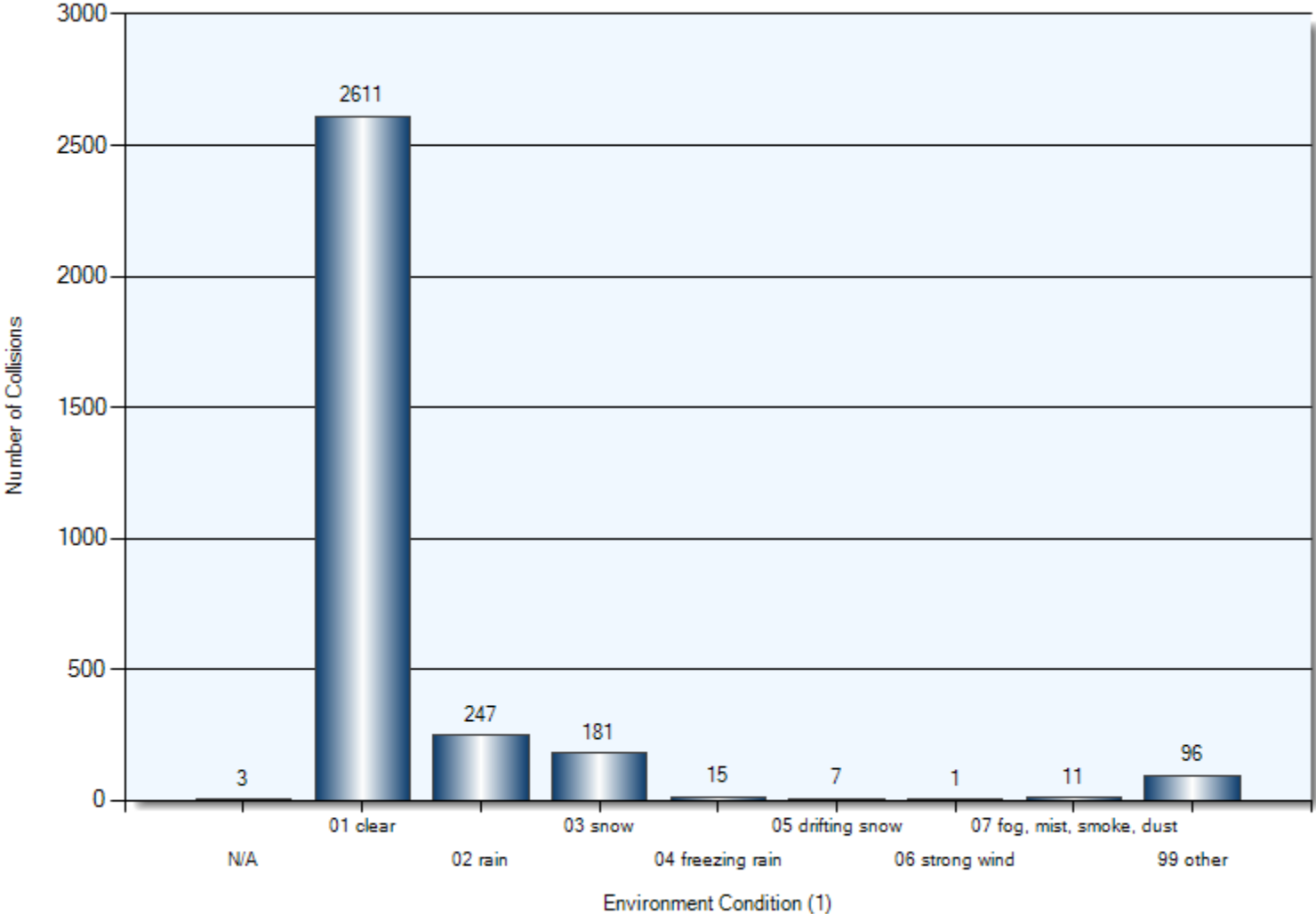
Environmental Conditions
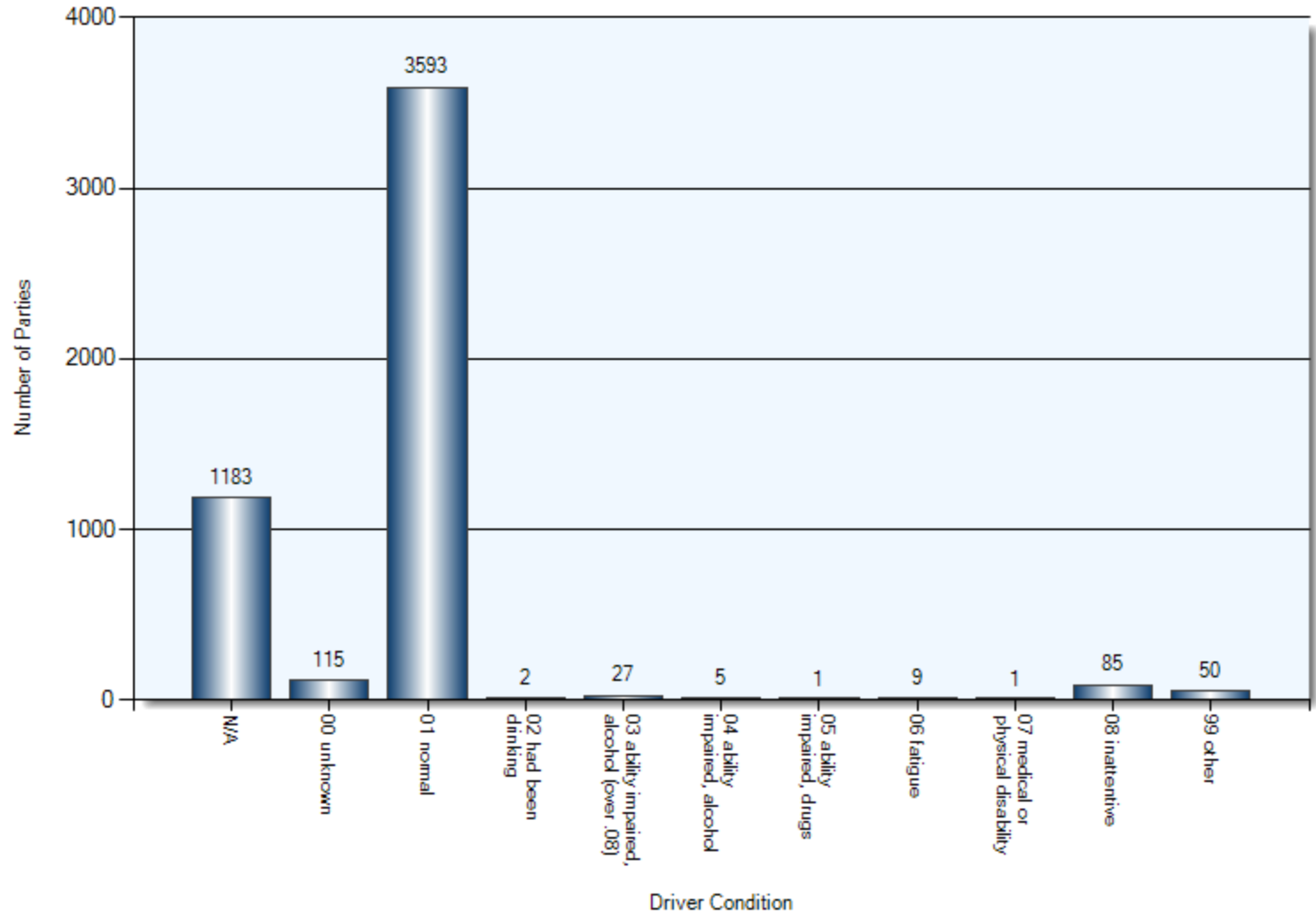
Road Surface Conditions
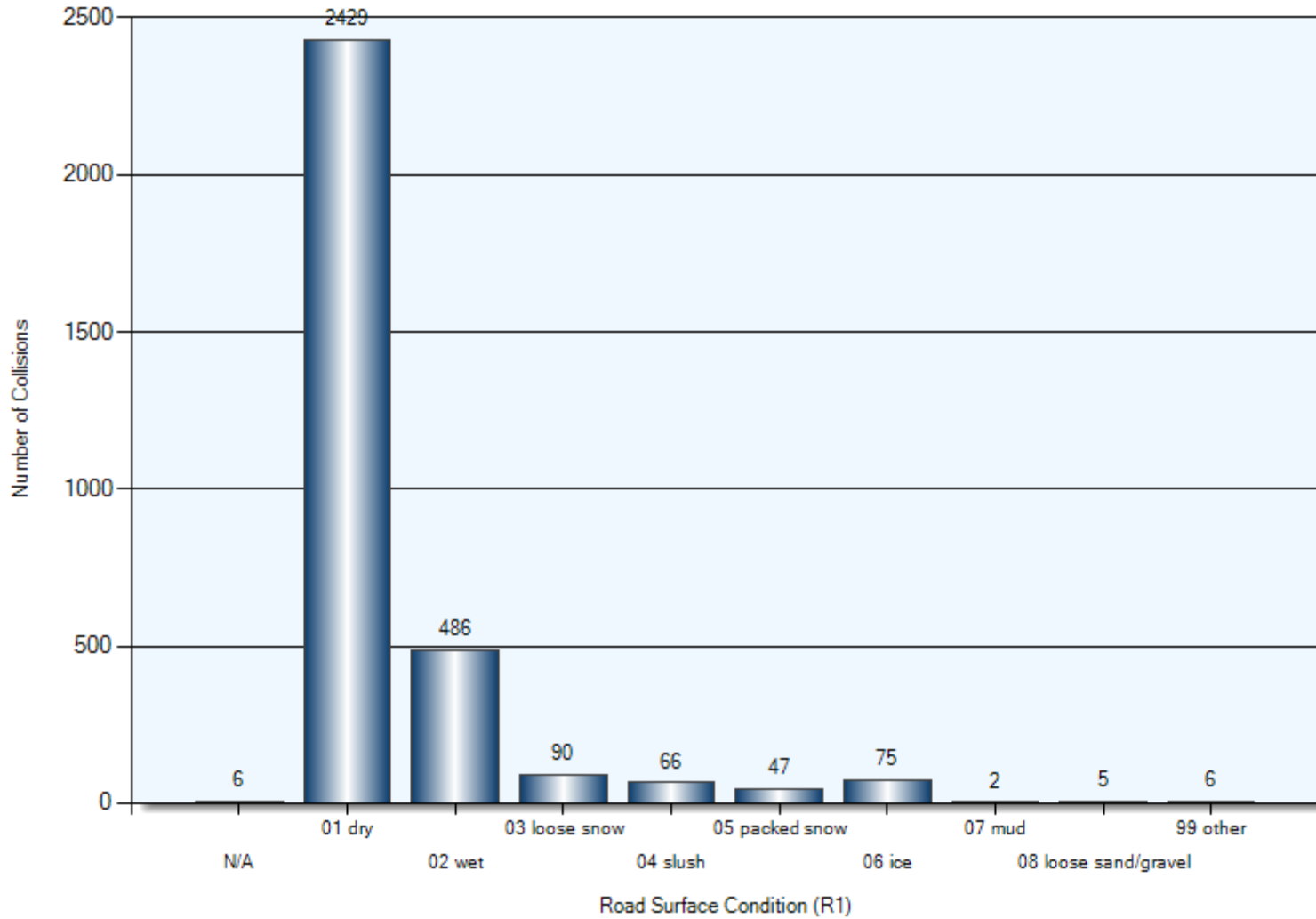
N/A= Unspecified in report

Specified Driver Actions
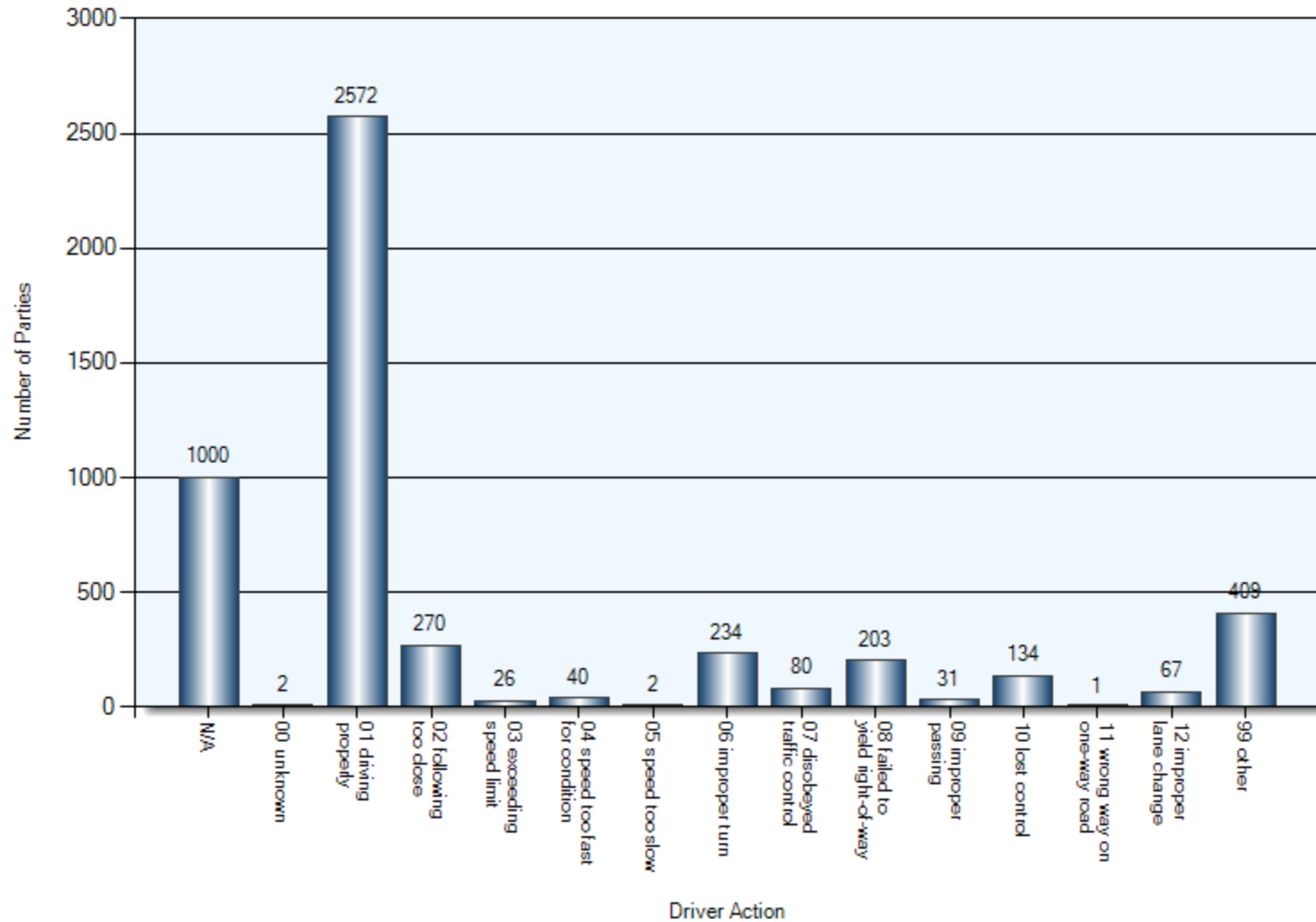
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*Note: driver action is unspecified for Parked Vehicles

Specified Driver Conditions
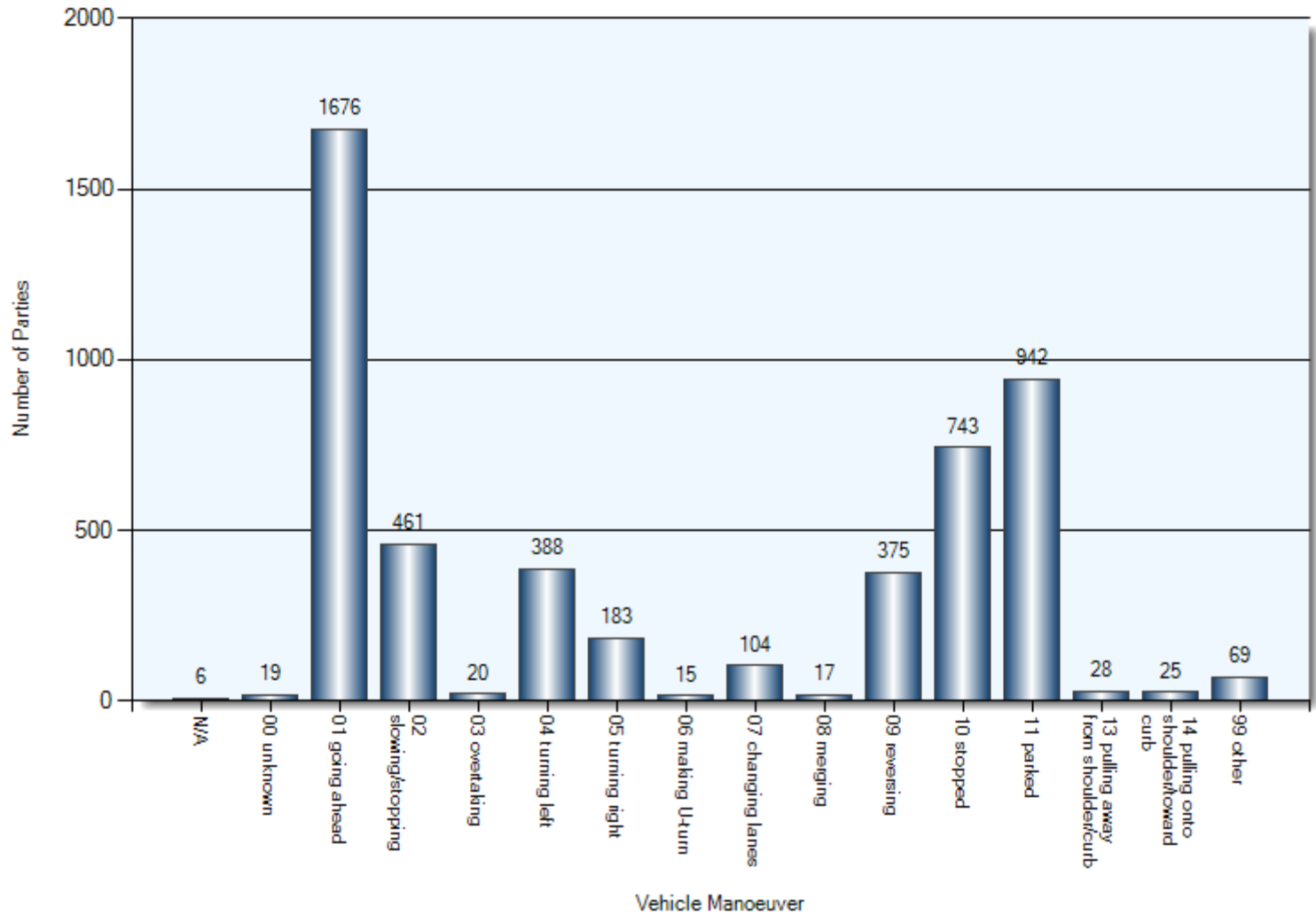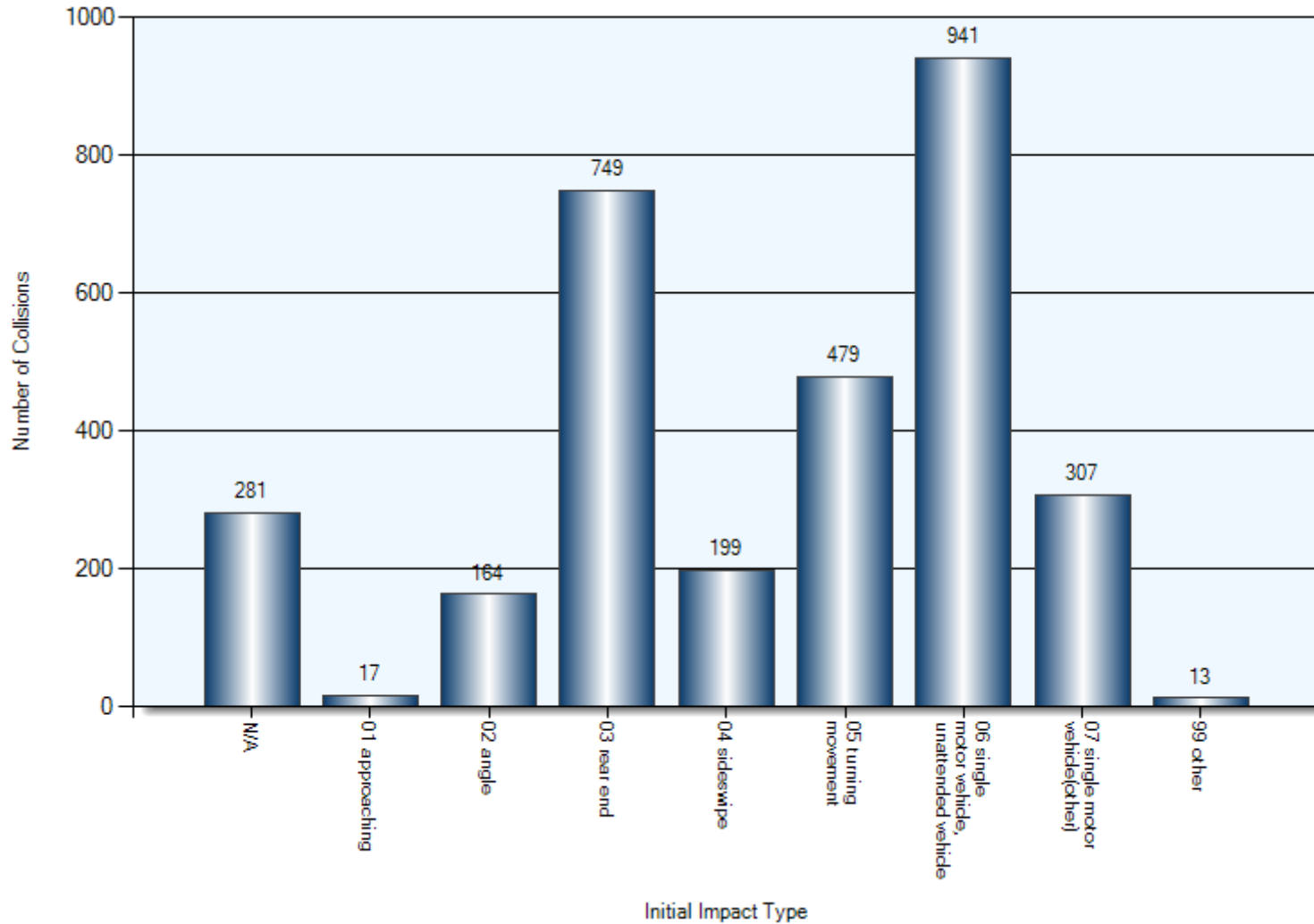
*Note: driver condition is unspecified for Parked Vehicles

Vehicle Actions

Initial Impact Type

Self-Reports & On-Scenes

FAIL TO REMAIN COLLISIONS (FTR)

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Collisions Involving FTR

Total Incidents: 616 | Total Parties: 683
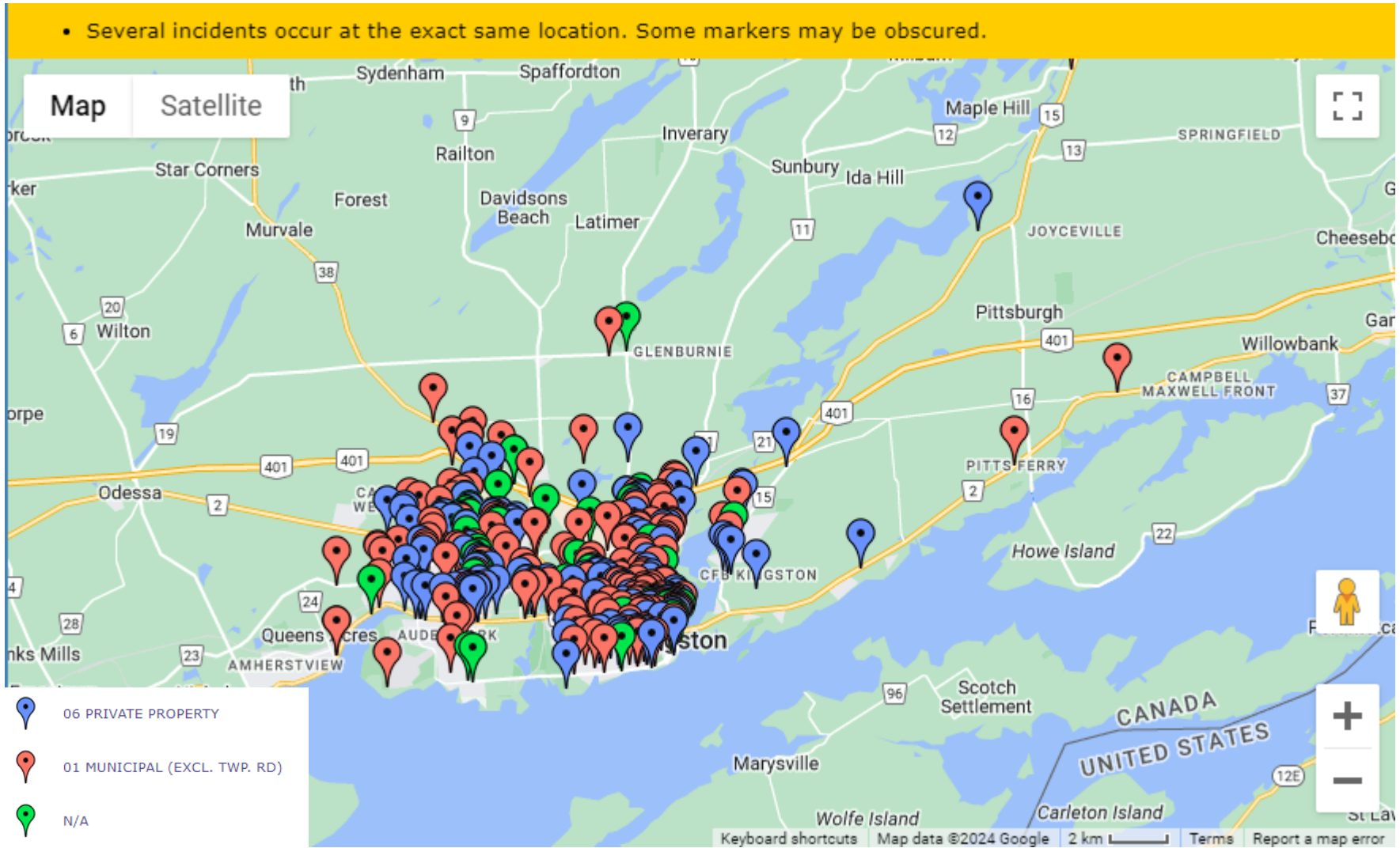
Collisions Involving FTR
Collision Location
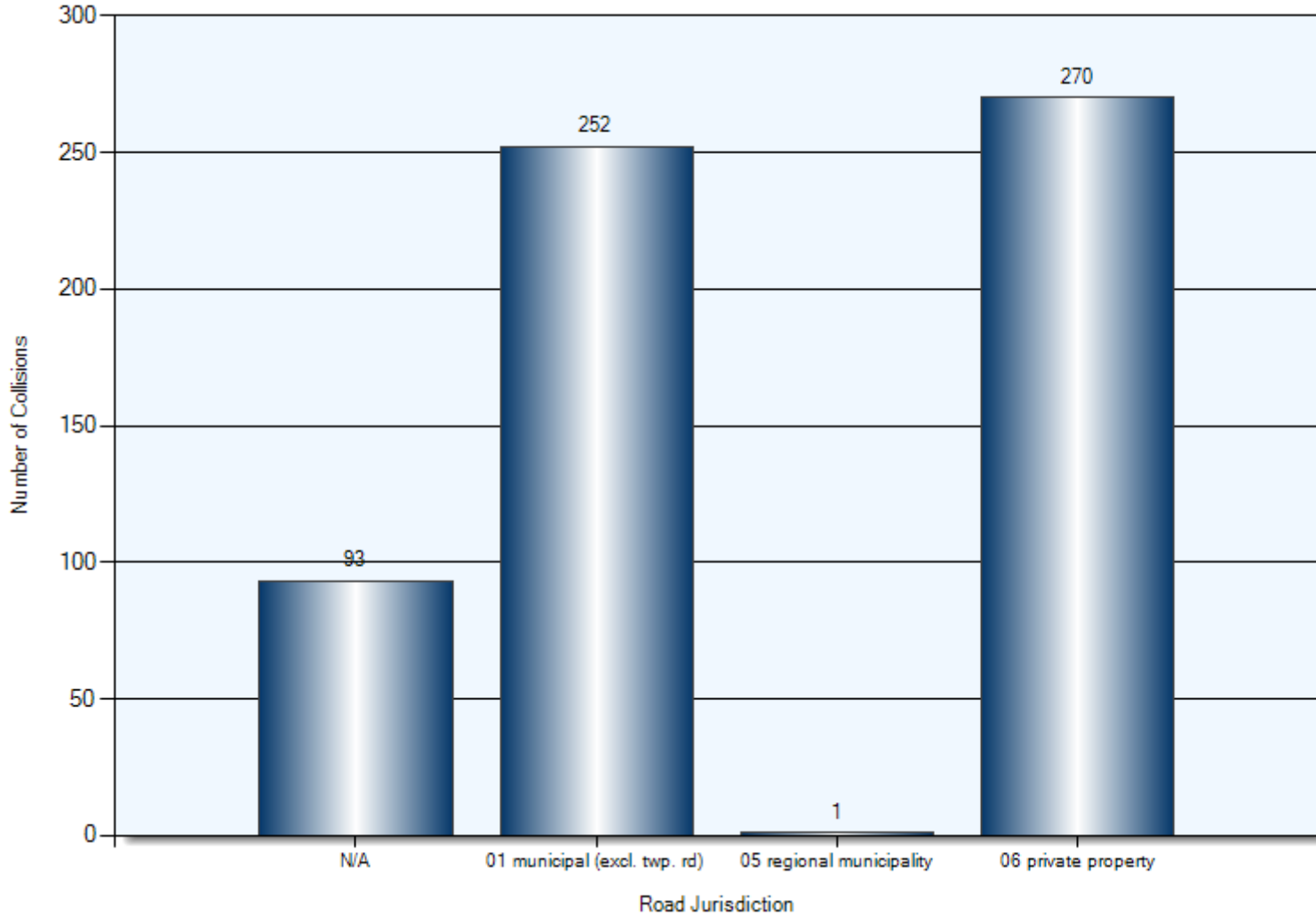
Collisions Involving FTR
Collision Date
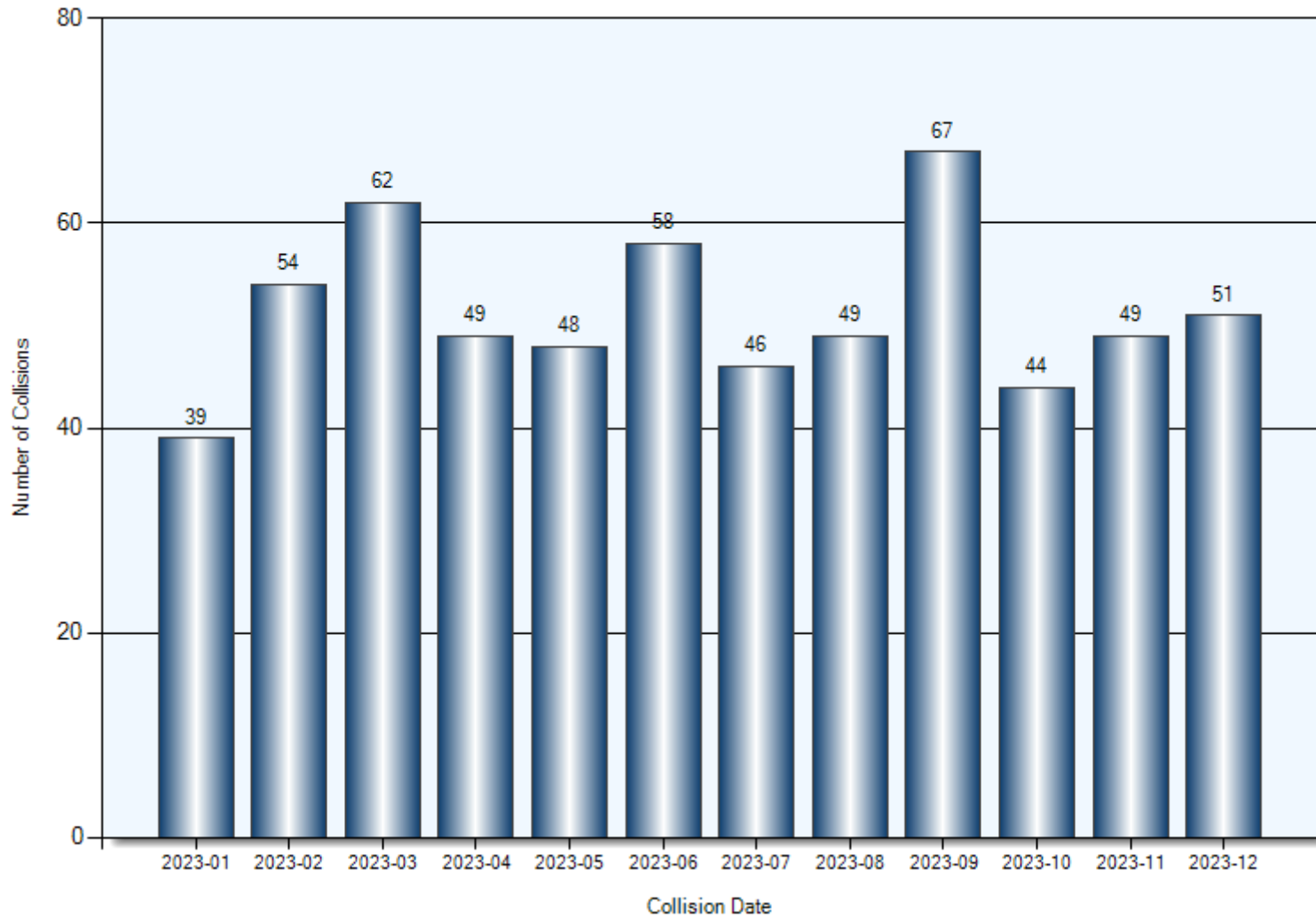
Collisions Involving FTR
Collision Time
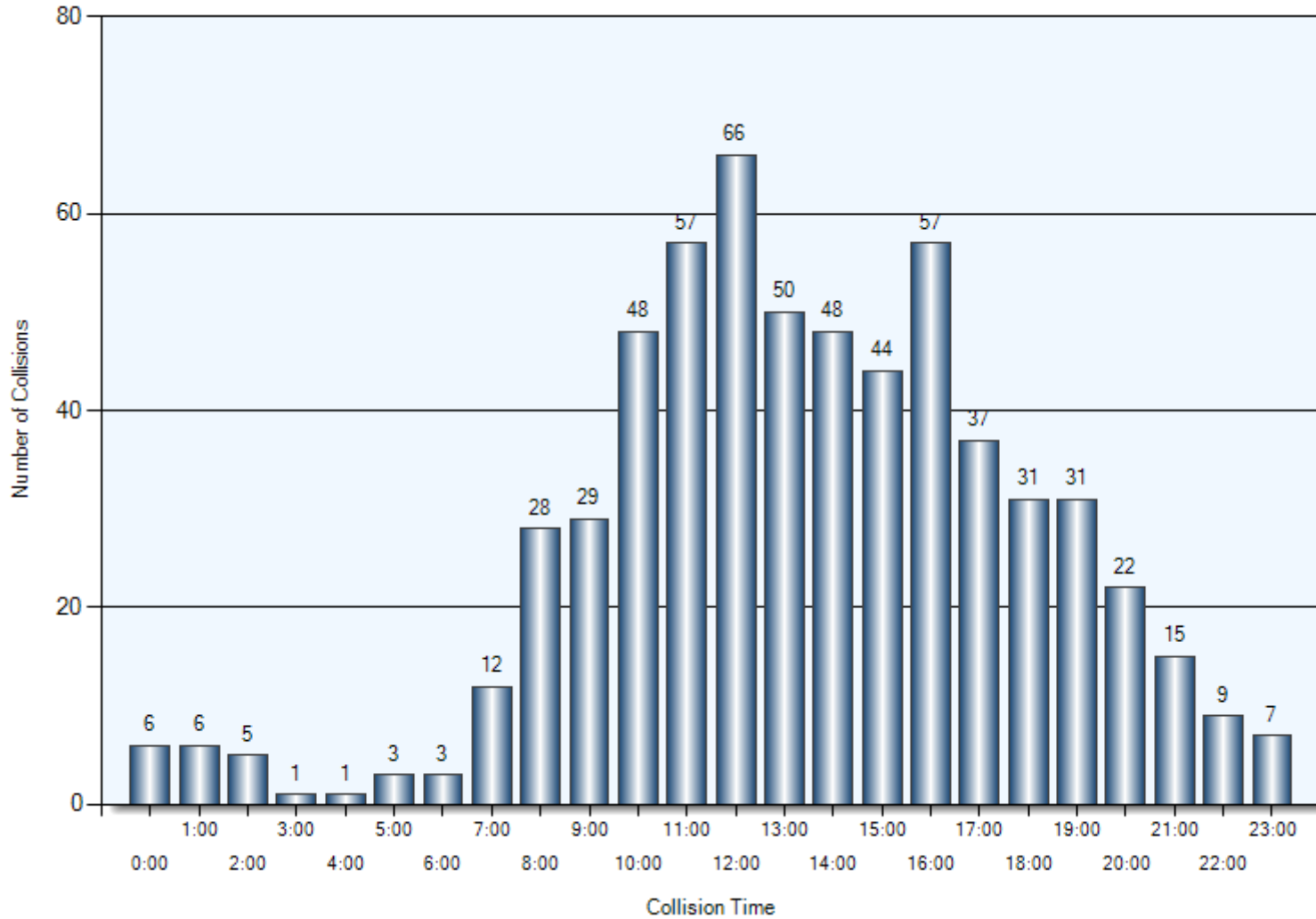
Collisions Involving FTR
Collision Day

On-Scenes
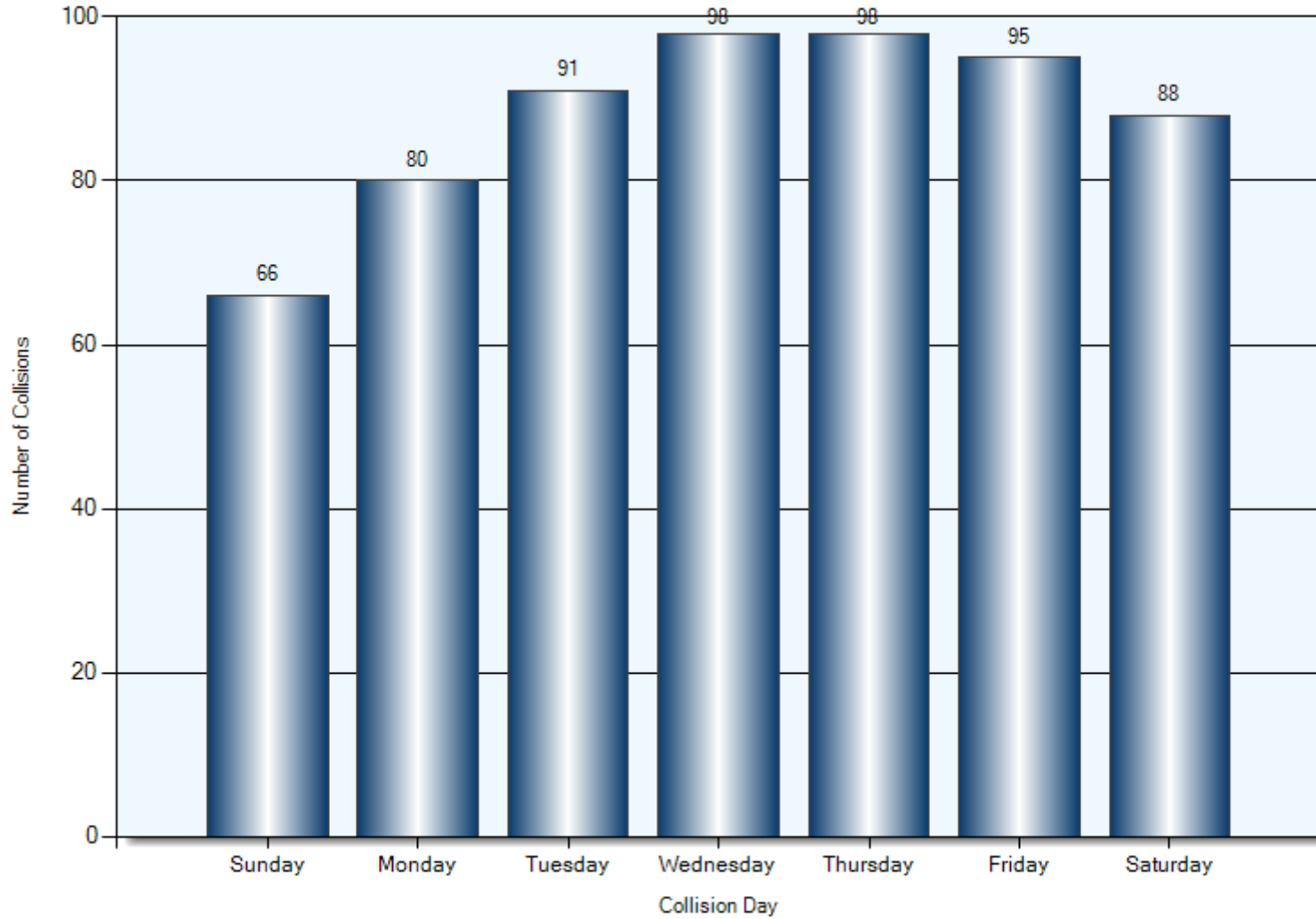
COLLISIONS INVOLVING PEDESTRIANS

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Collisions Involving Pedestrians

Total Incidents: 51 | Total Parties: 51
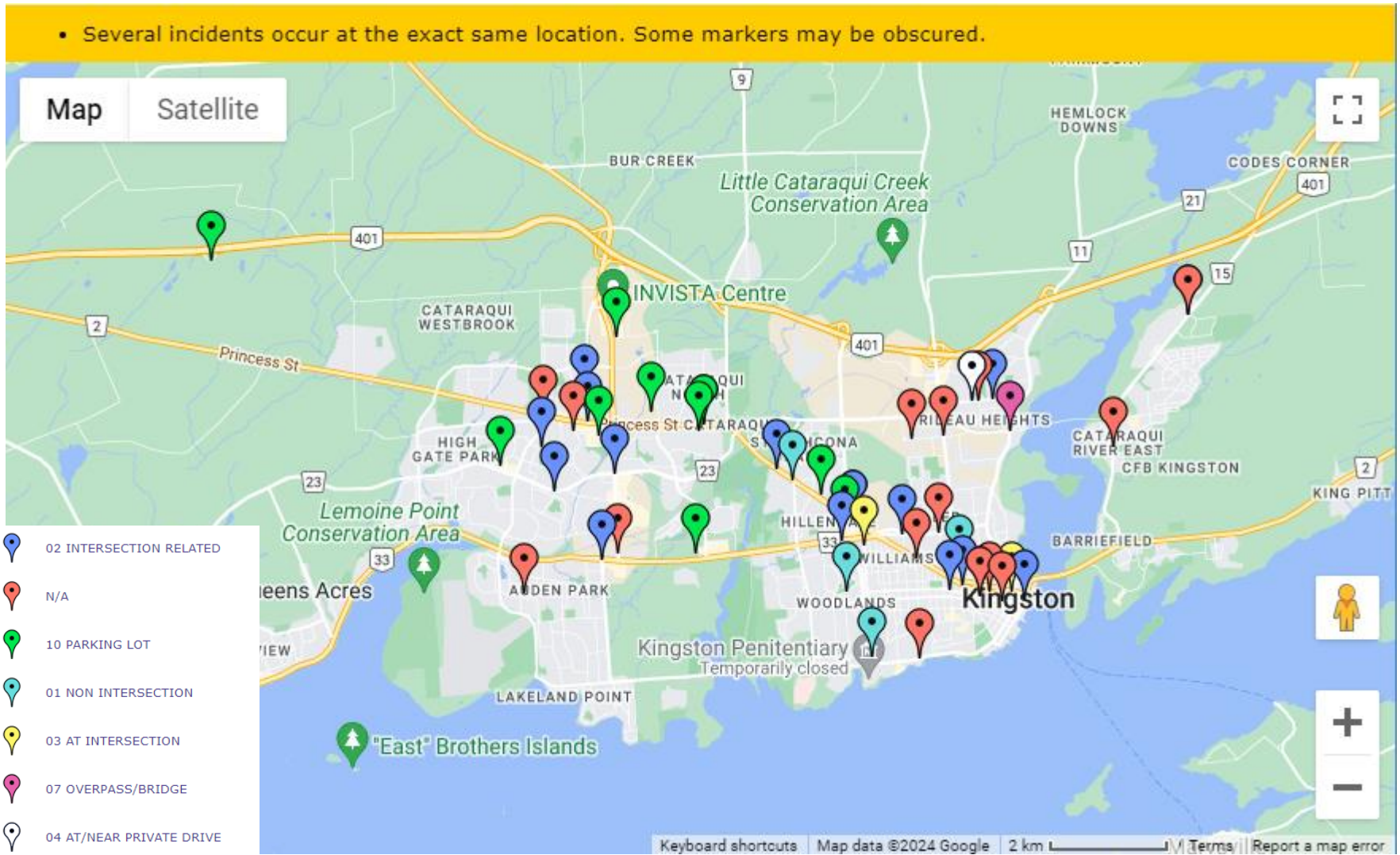
Collisions Involving Pedestrians
Collision Location
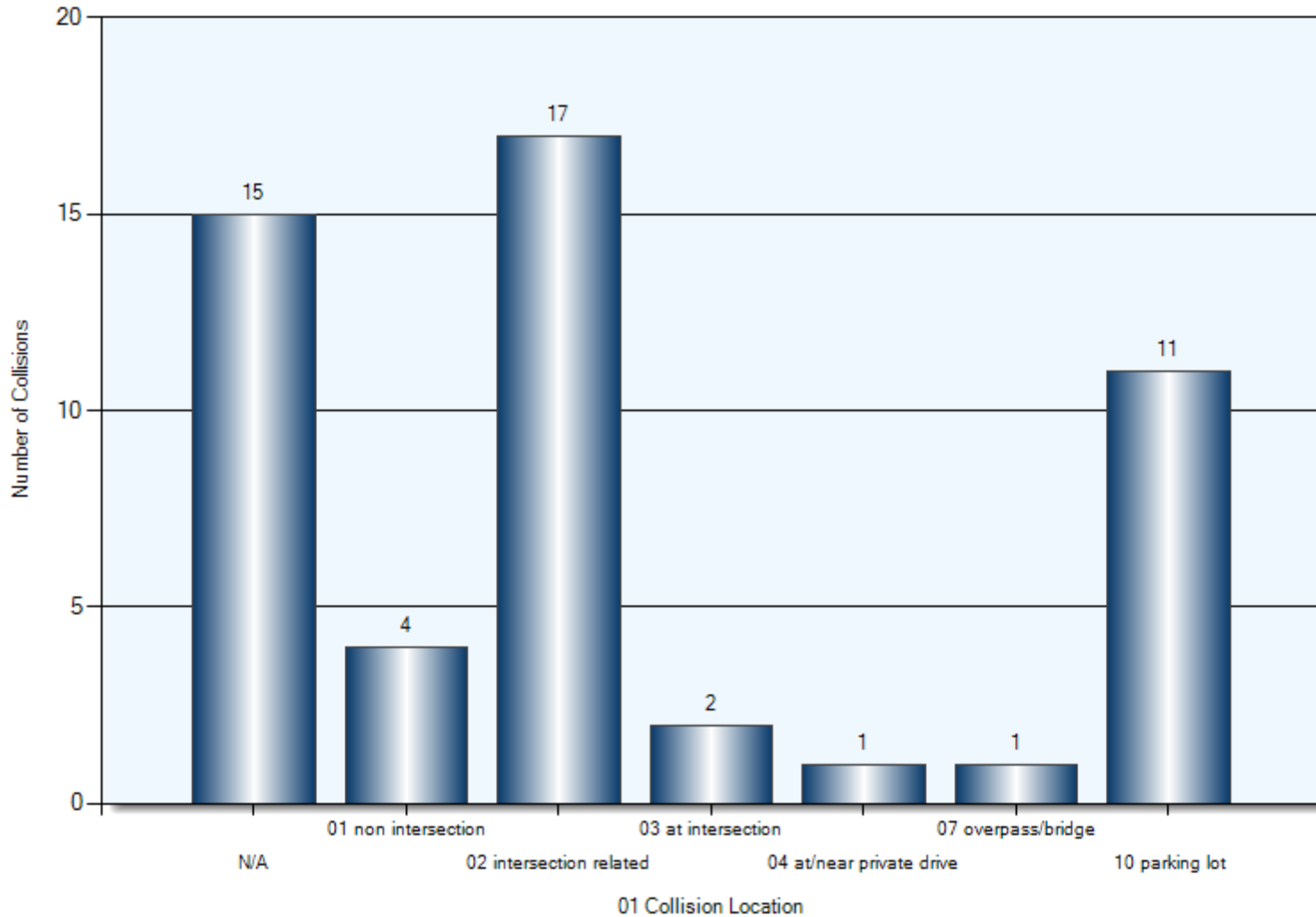
Collisions Involving Pedestrians
Collision Date
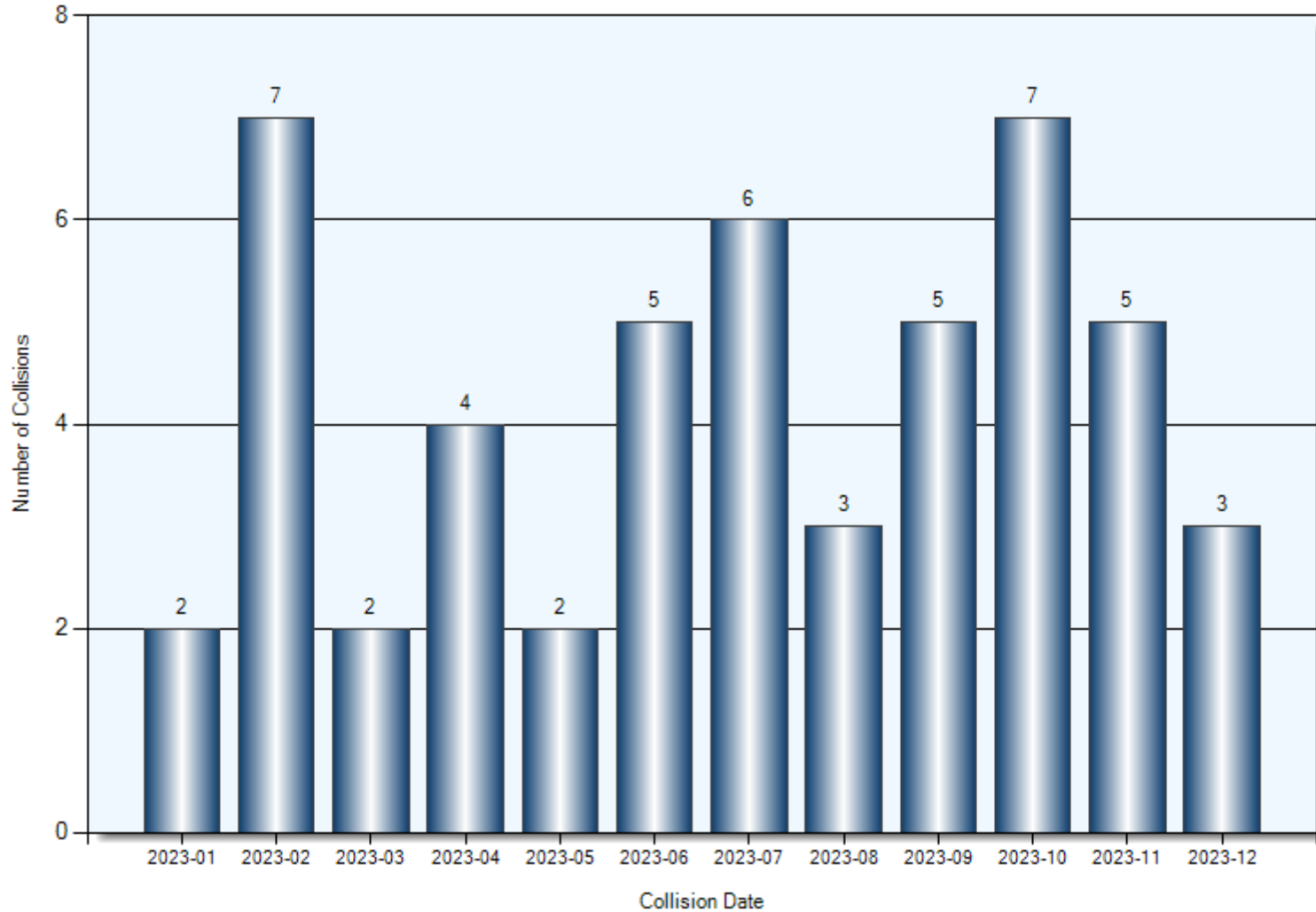
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Collisions Involving Pedestrians
Collision Time
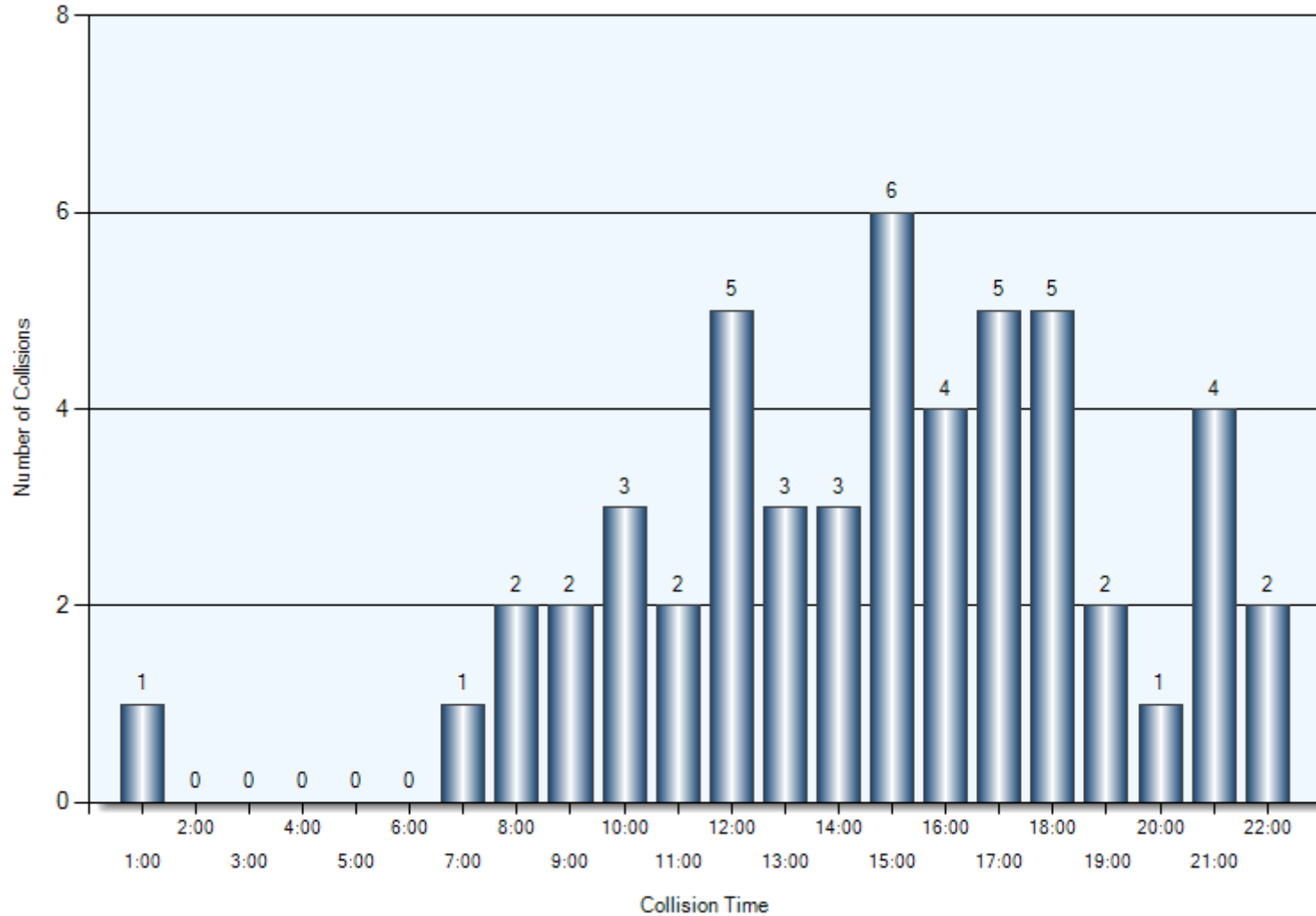
Collisions Involving Pedestrians
Collision Day

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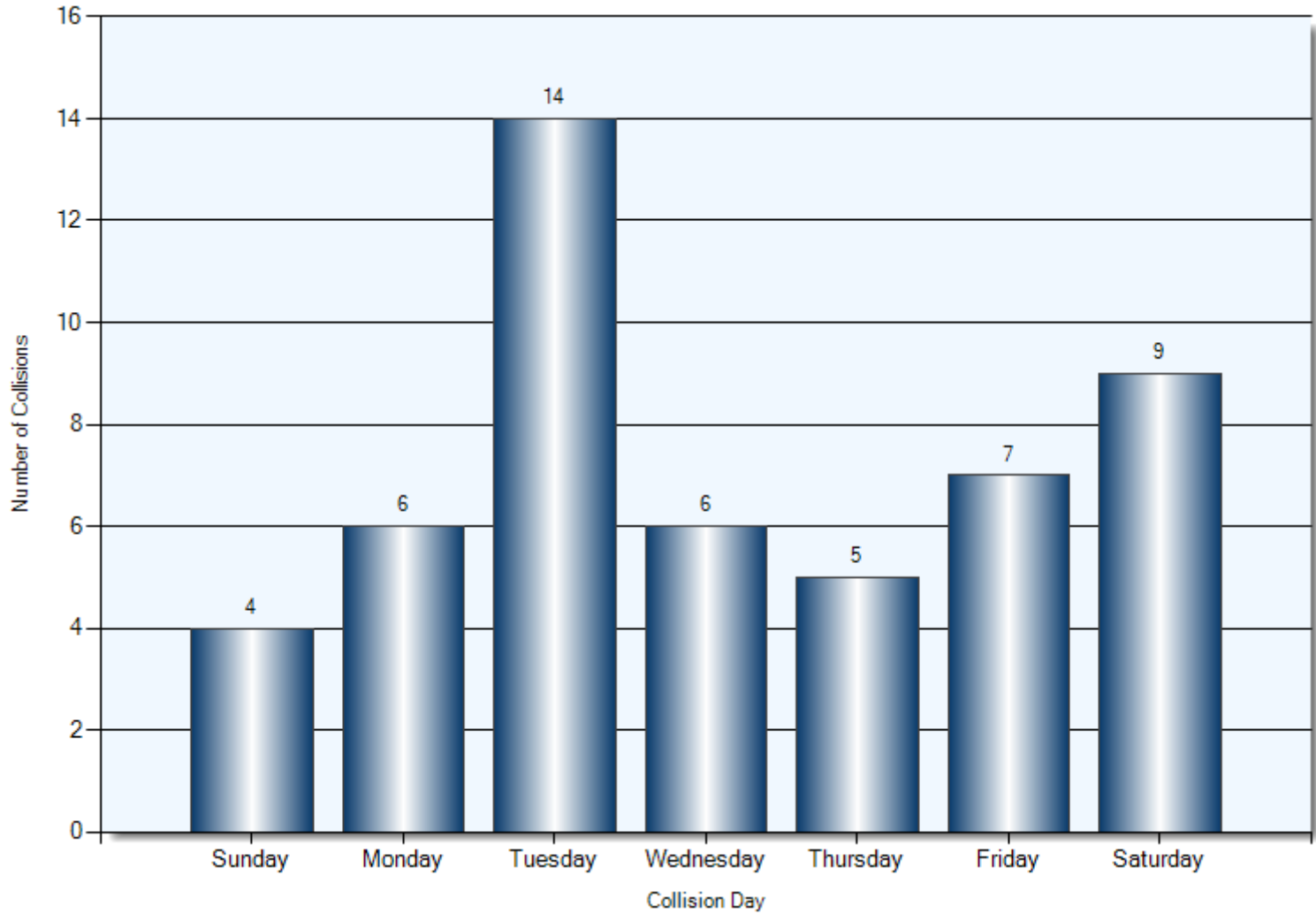
Collisions Involving Pedestrians
Driver Actions
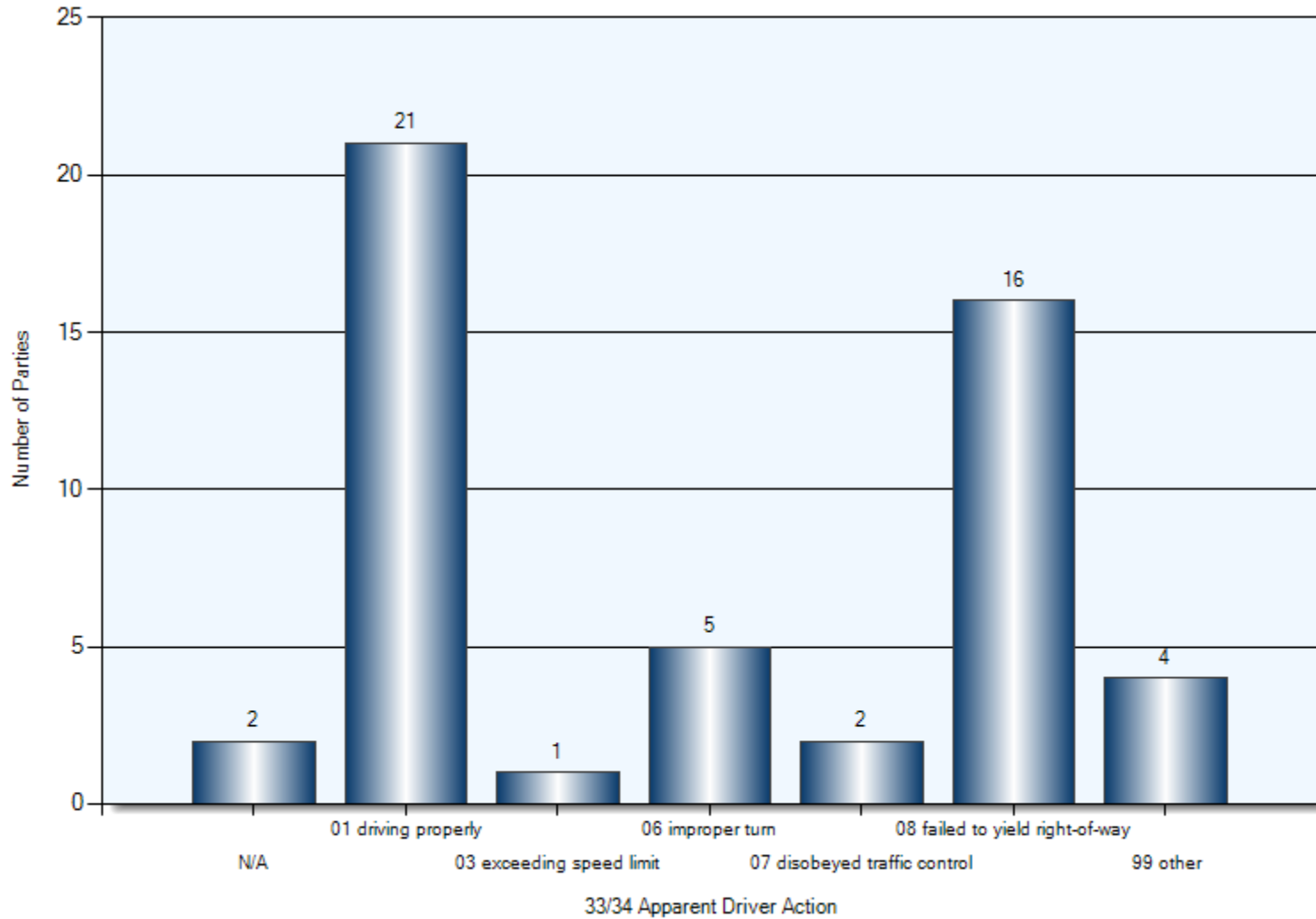
N/A= Unspecified in report

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Collisions Involving Pedestrians
Driver Conditions
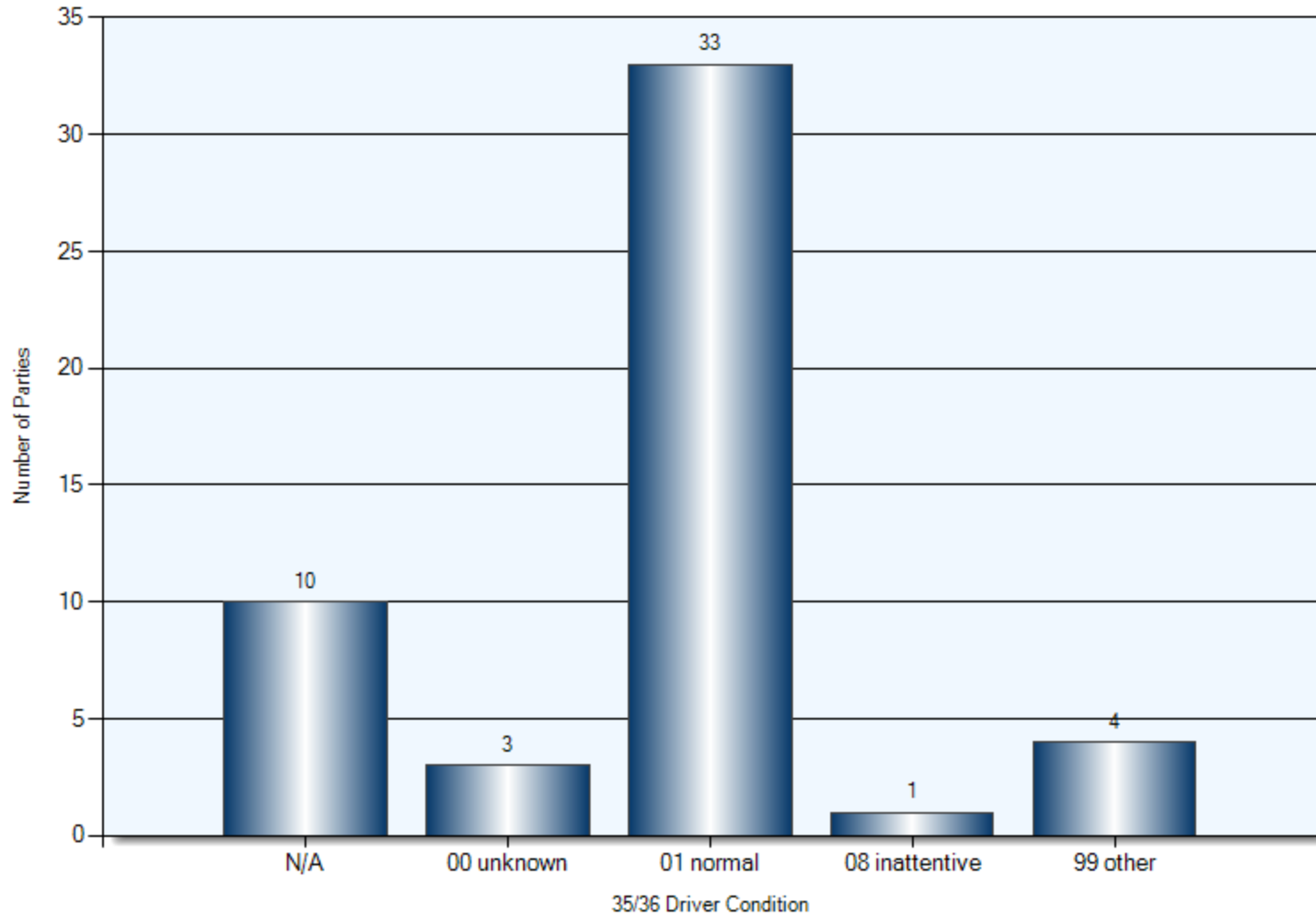
N/A= Unspecified in report

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Collisions Involving Pedestrians
Pedestrian Actions (P1)
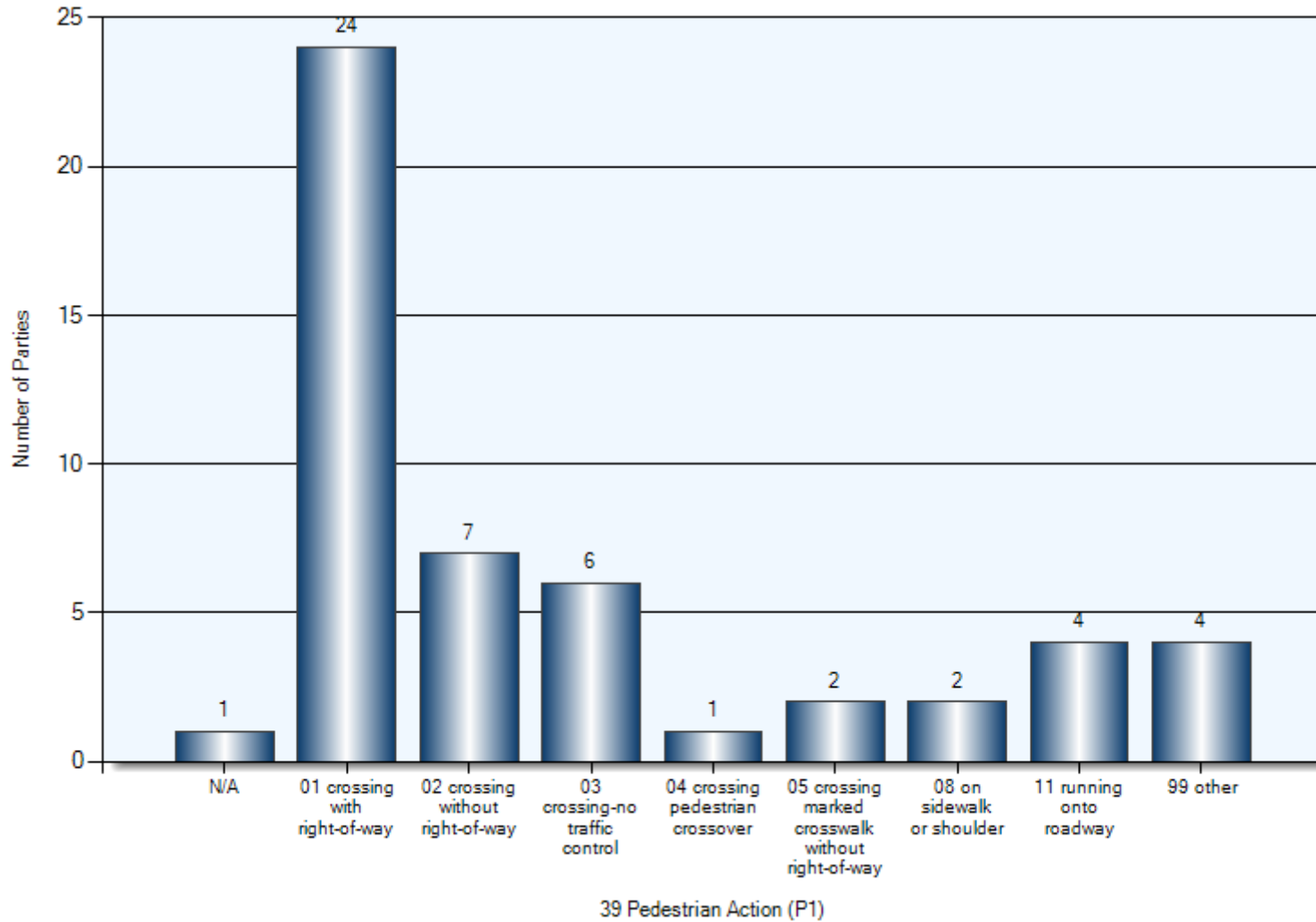
Collisions Involving Pedestrians
Pedestrian Conditions (P1)
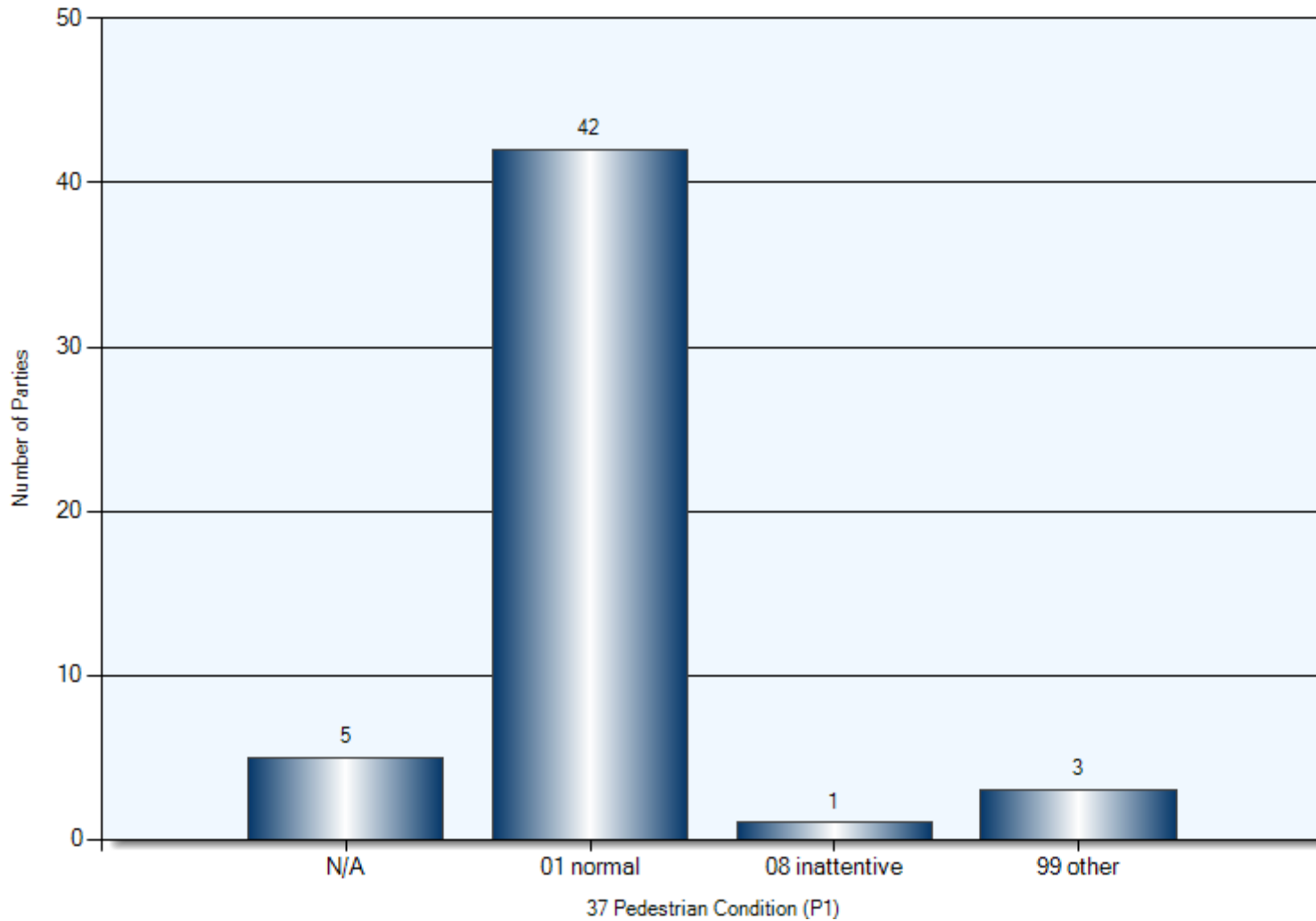
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Collisions Involving Pedestrians
Classification of Collision

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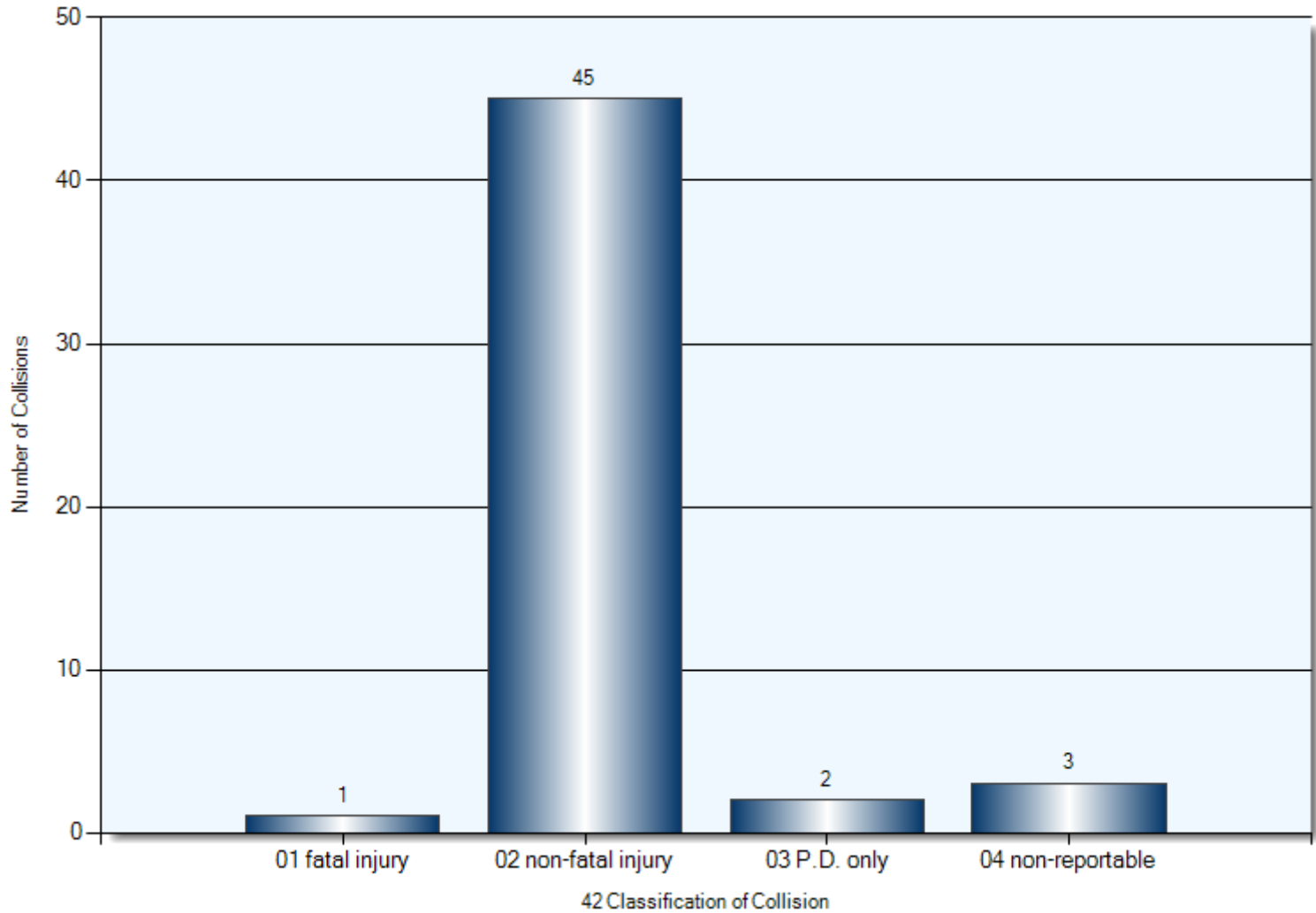
On-Scenes

COLLISIONS INVOLVING CYCLISTS

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Collisions Involving Cyclists

Total Incidents: 21 | Total Parties: 21

- Several incidents occur at the exact same location. Some markers may be obscured.

Legend:
- 02 INTERSECTION RELATED
- N/A
- 01 NON INTERSECTION
- 07 OVERPASS/BRIDGE
- 10 PARKING LOT
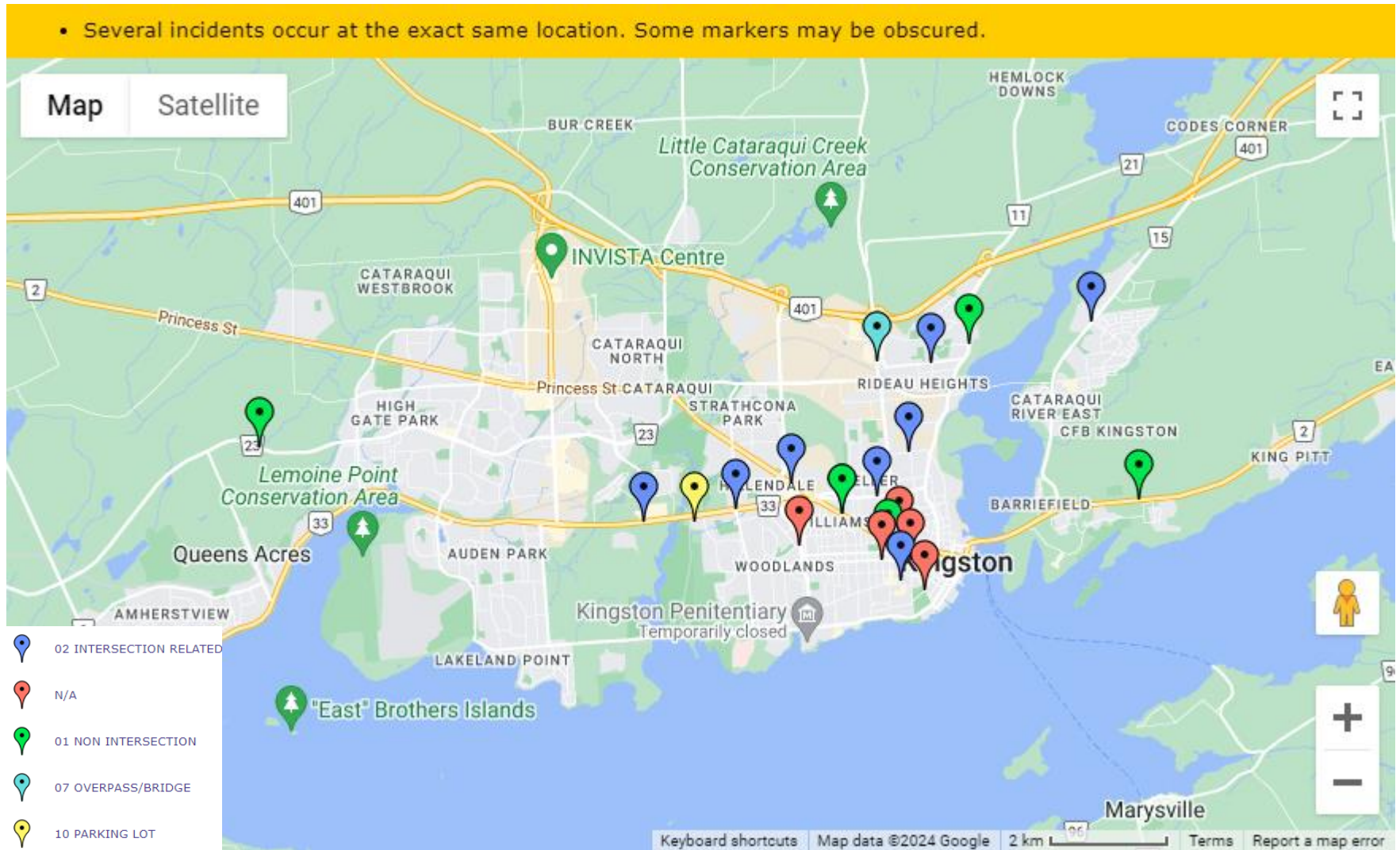
Collisions Involving Cyclists
Collision Date
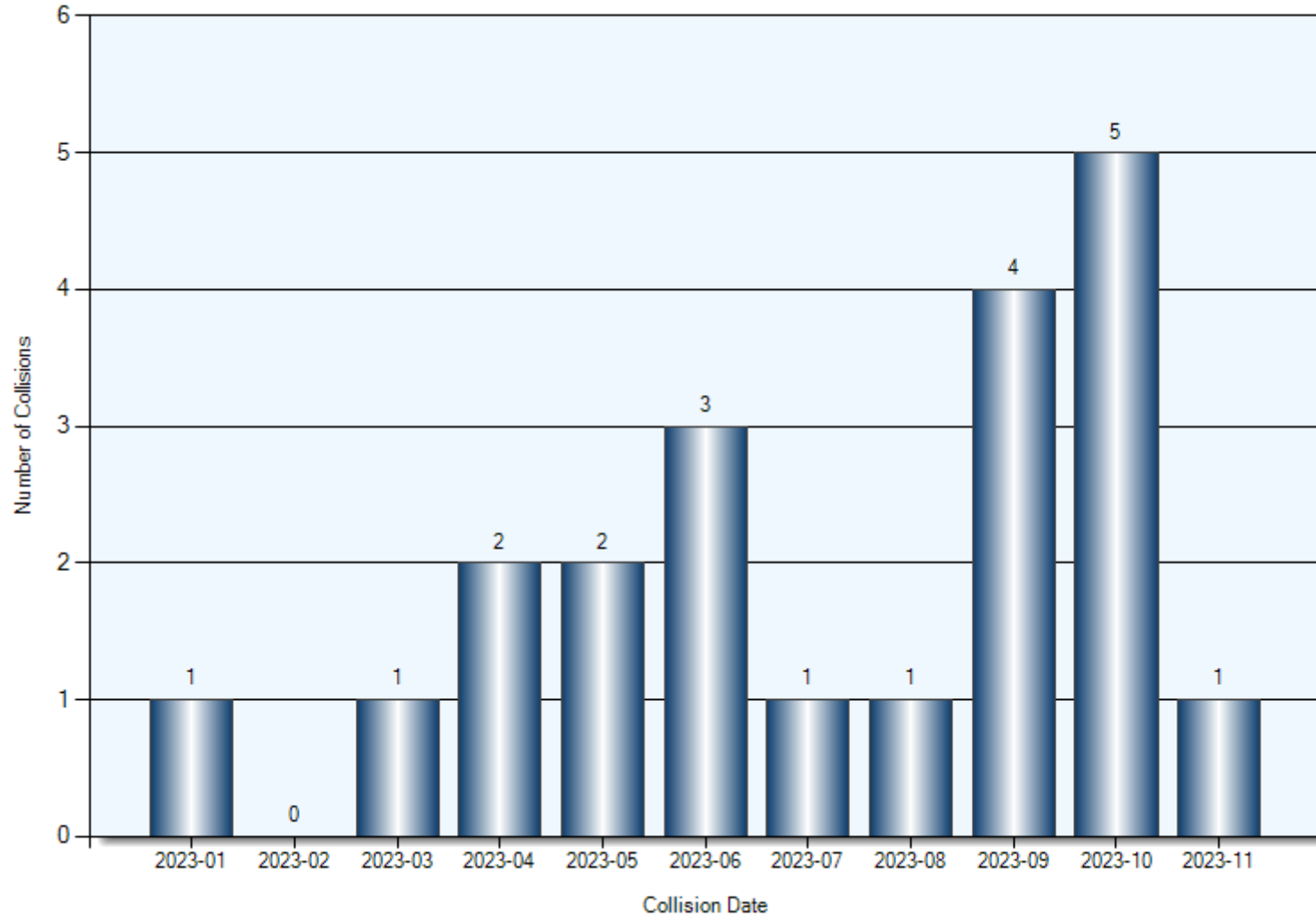
Collisions Involving Cyclists
Collision Day
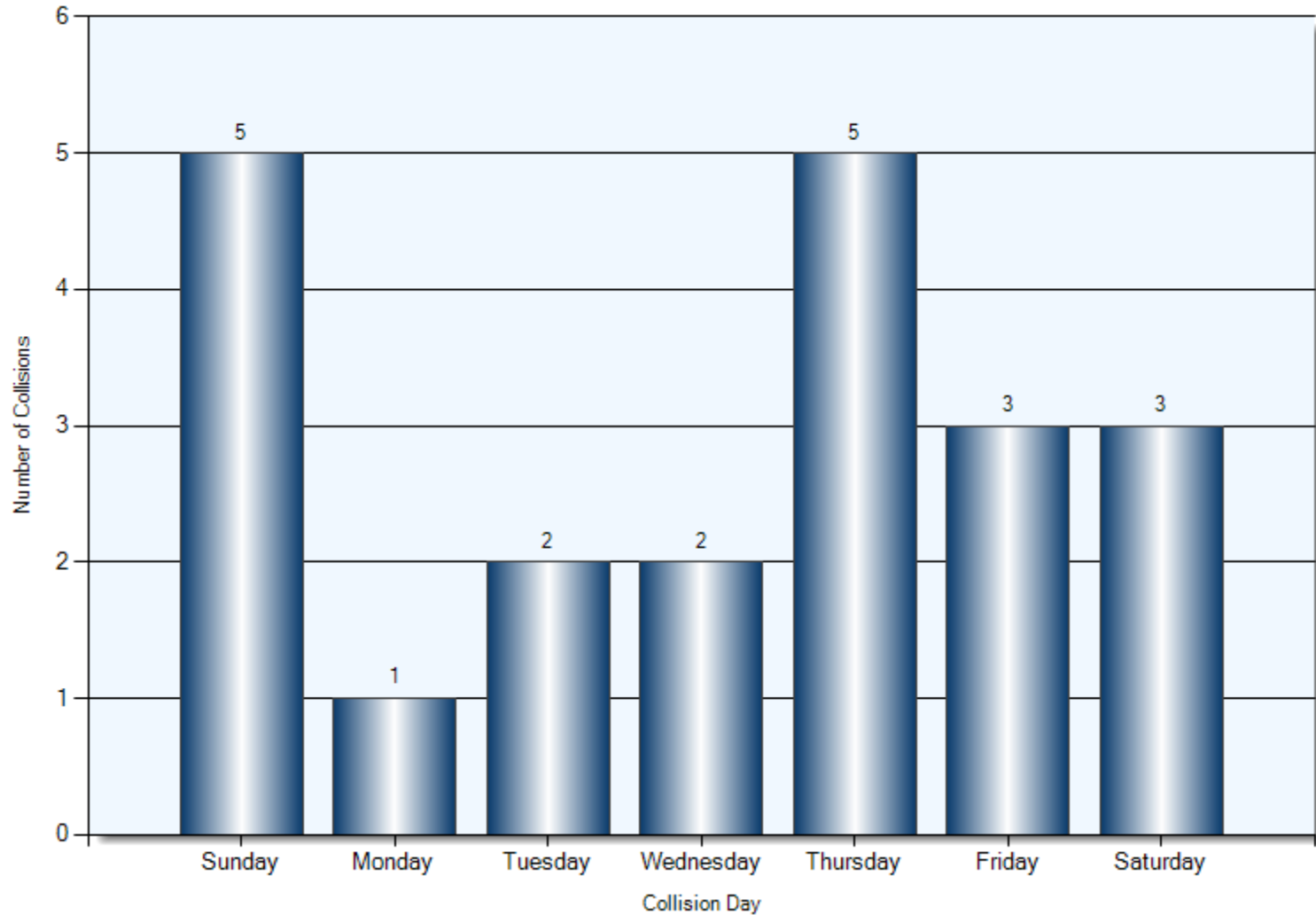
Collisions Involving Cyclists
Collision Time
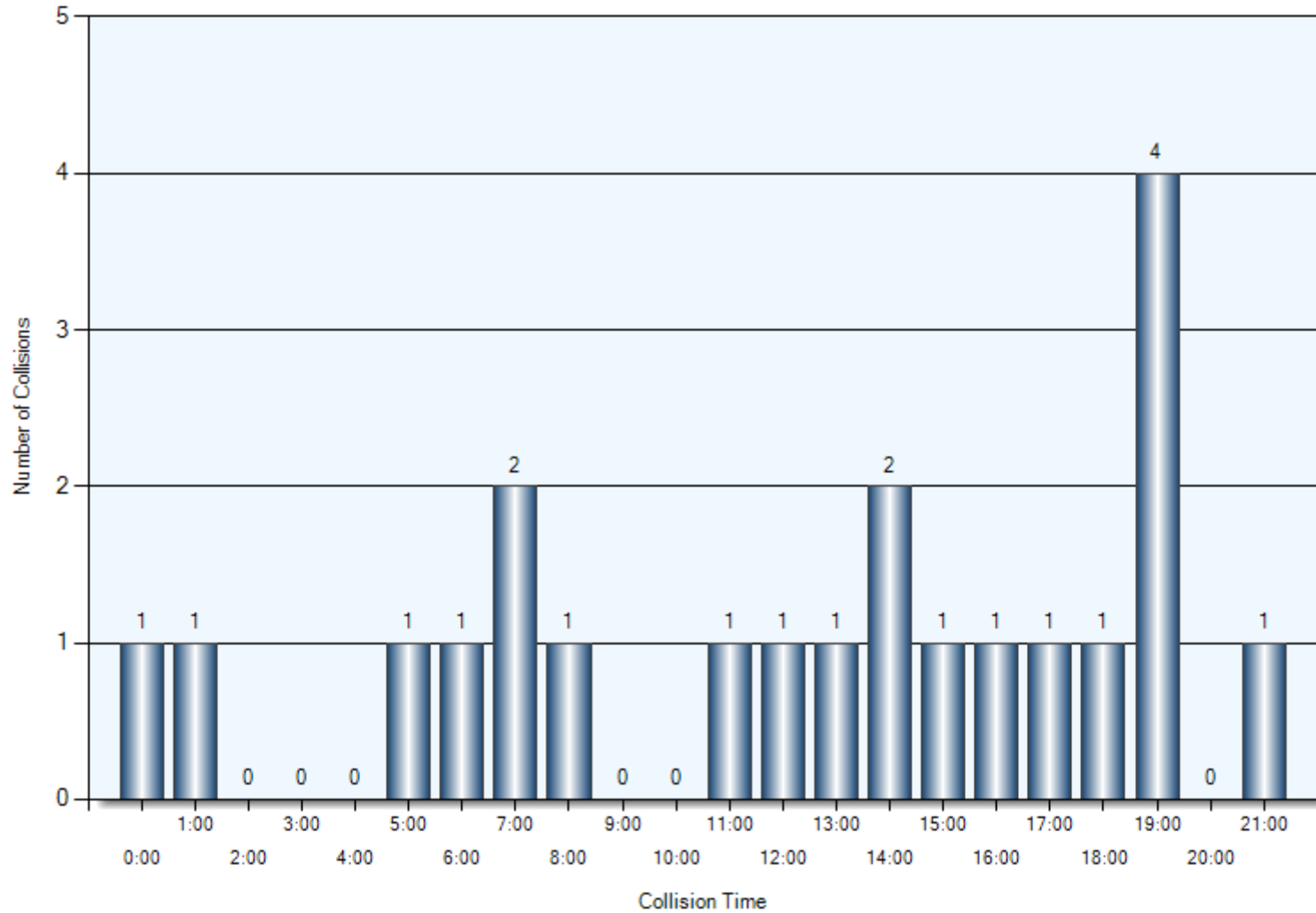
Collisions Involving Cyclists
Driver Action

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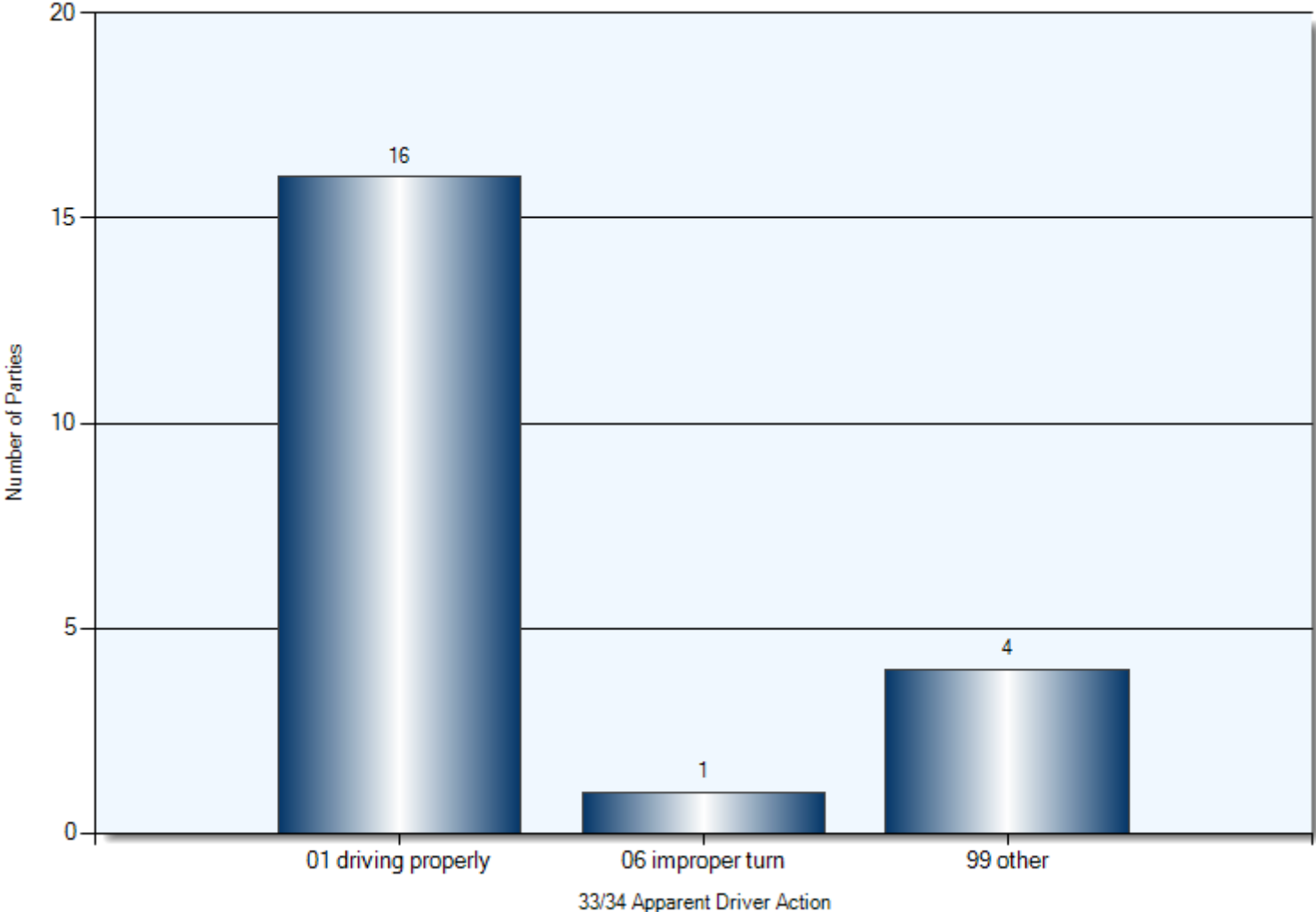
Collisions Involving Cyclists
Driver Condition
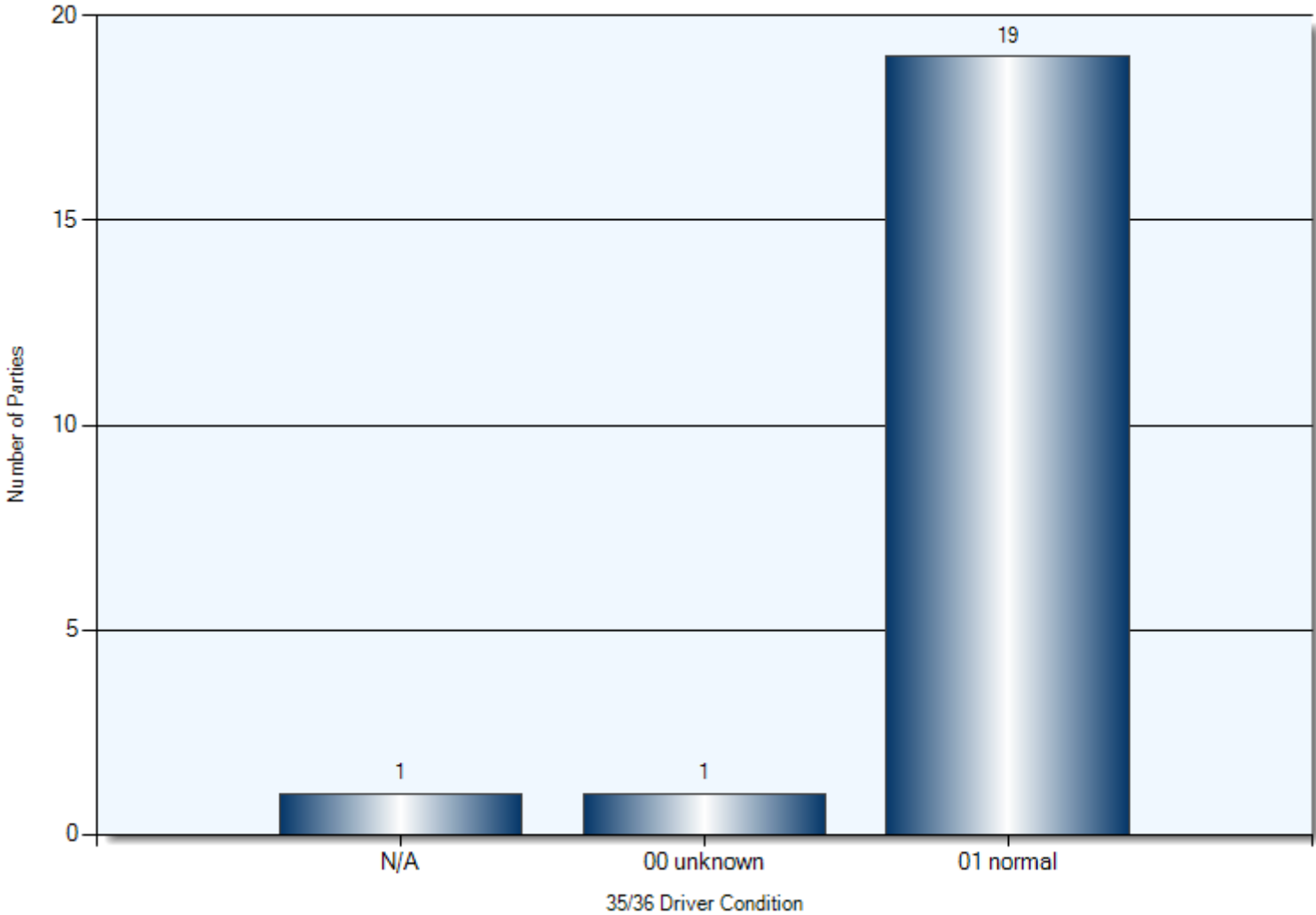
Collisions Involving Cyclists
Classification of Collision

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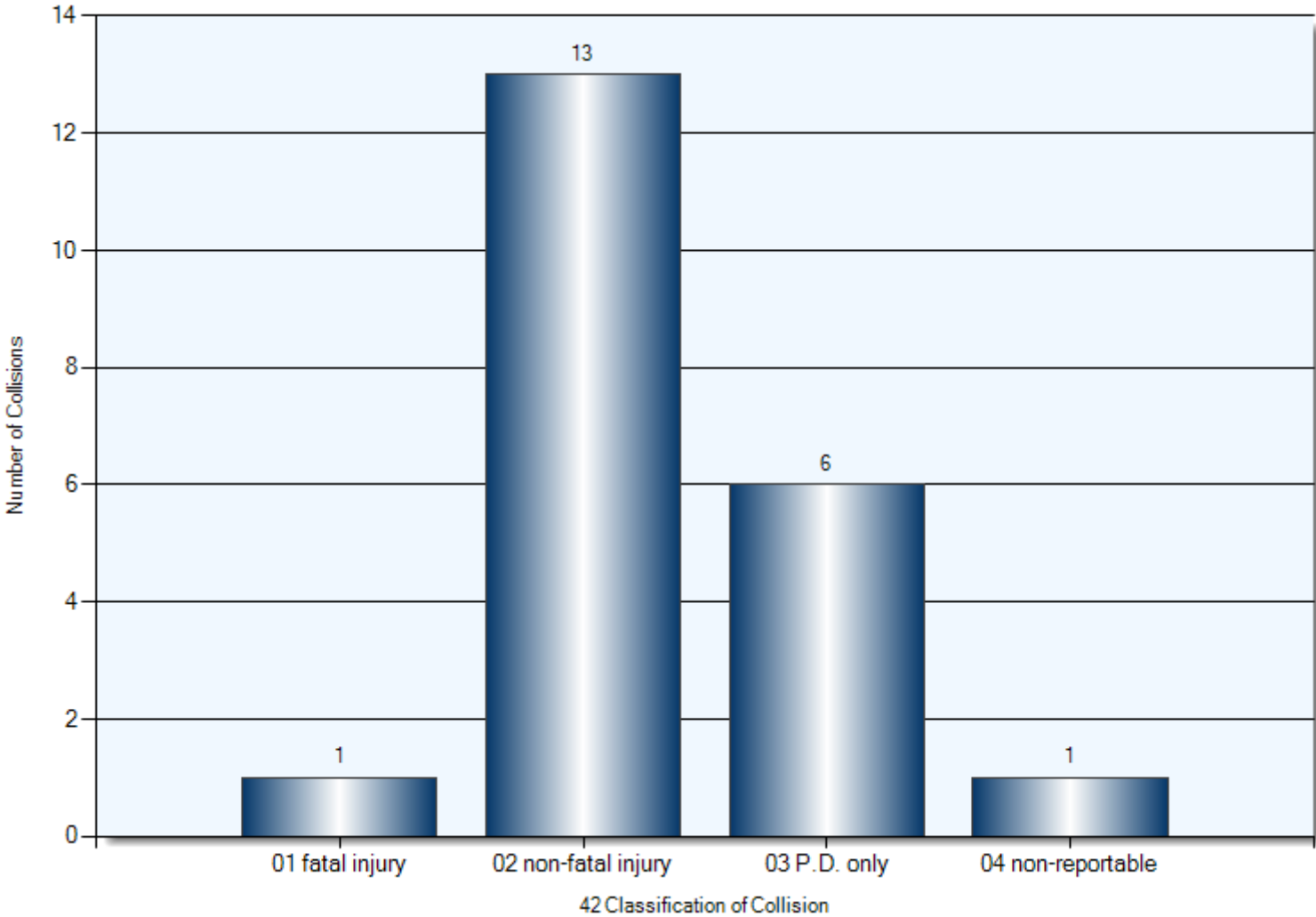
On-Scenes Only

COLLISIONS INVOLVING ALCOHOL OR DRUGS

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Collisions Involving Alcohol or Drugs

Where driver condition is one of: 02 had been drinking, 03 ability impaired, alcohol (over .08) 04 ability impaired, alcohol or 05 ability impaired, drugs

Total Incidents: 35 | Total Parties: 35
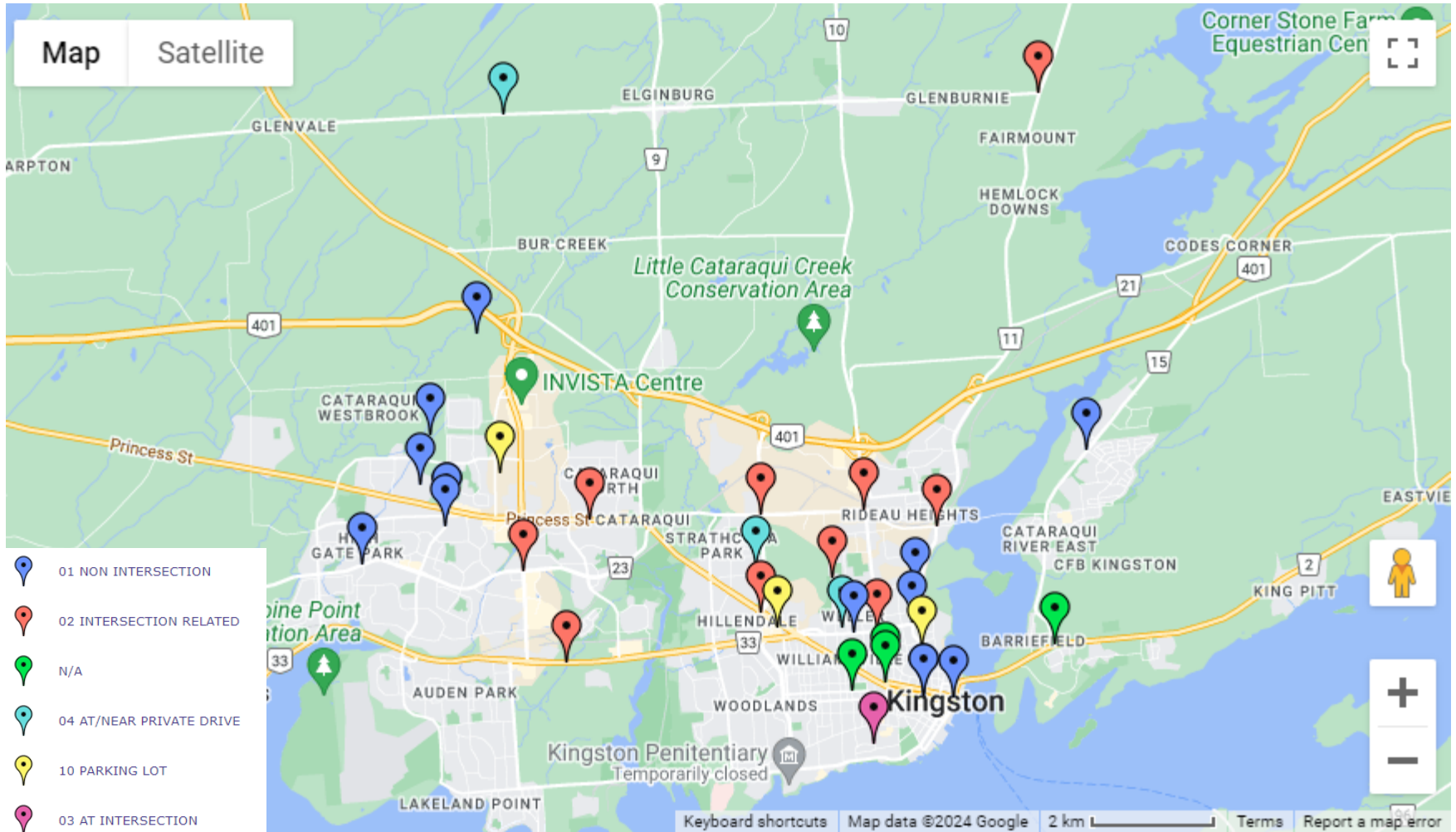
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Collisions Involving Alcohol or Drugs
Collision Location
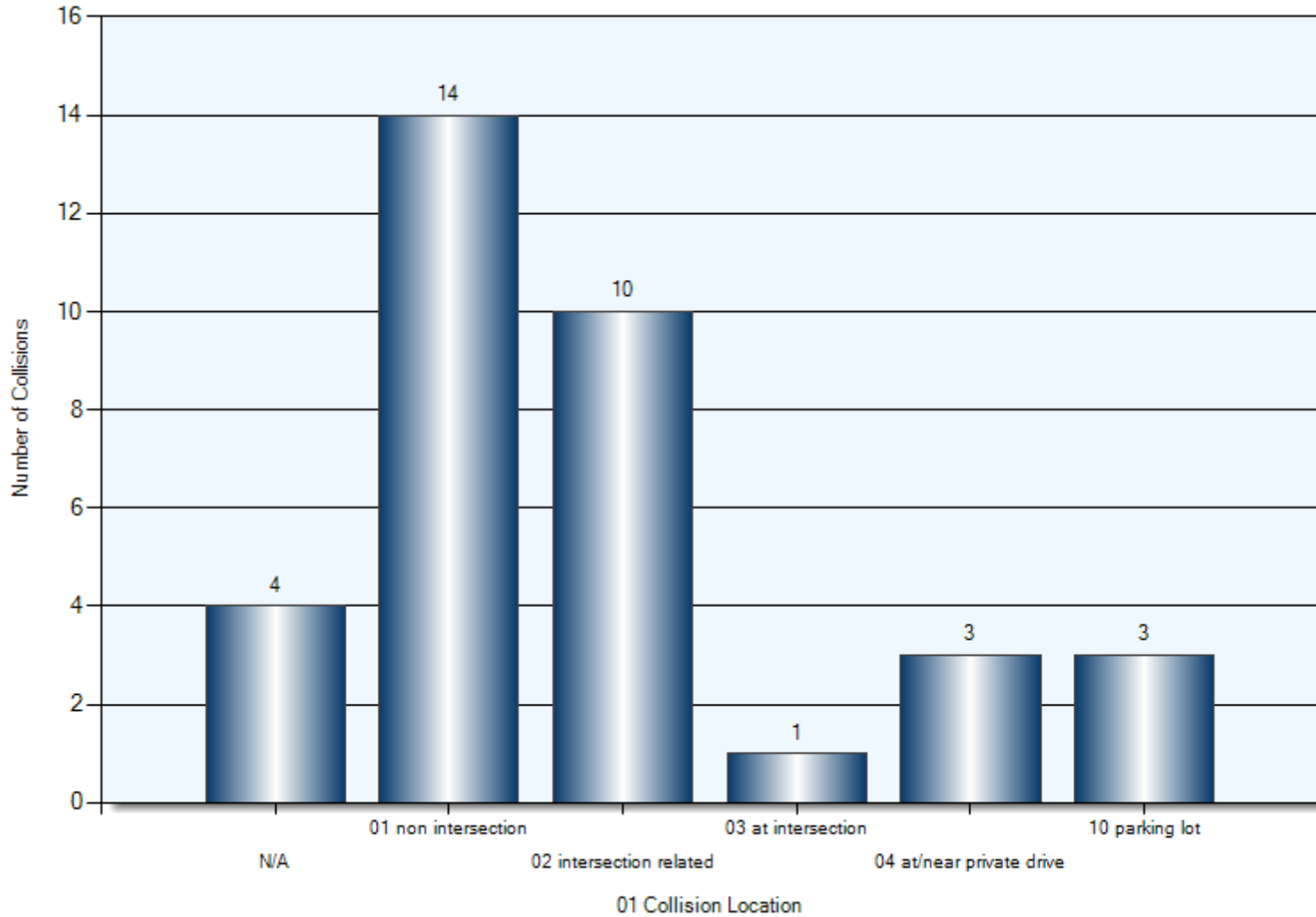
N/A= Unspecified in report

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Collisions Involving Alcohol or Drugs
Collision Time
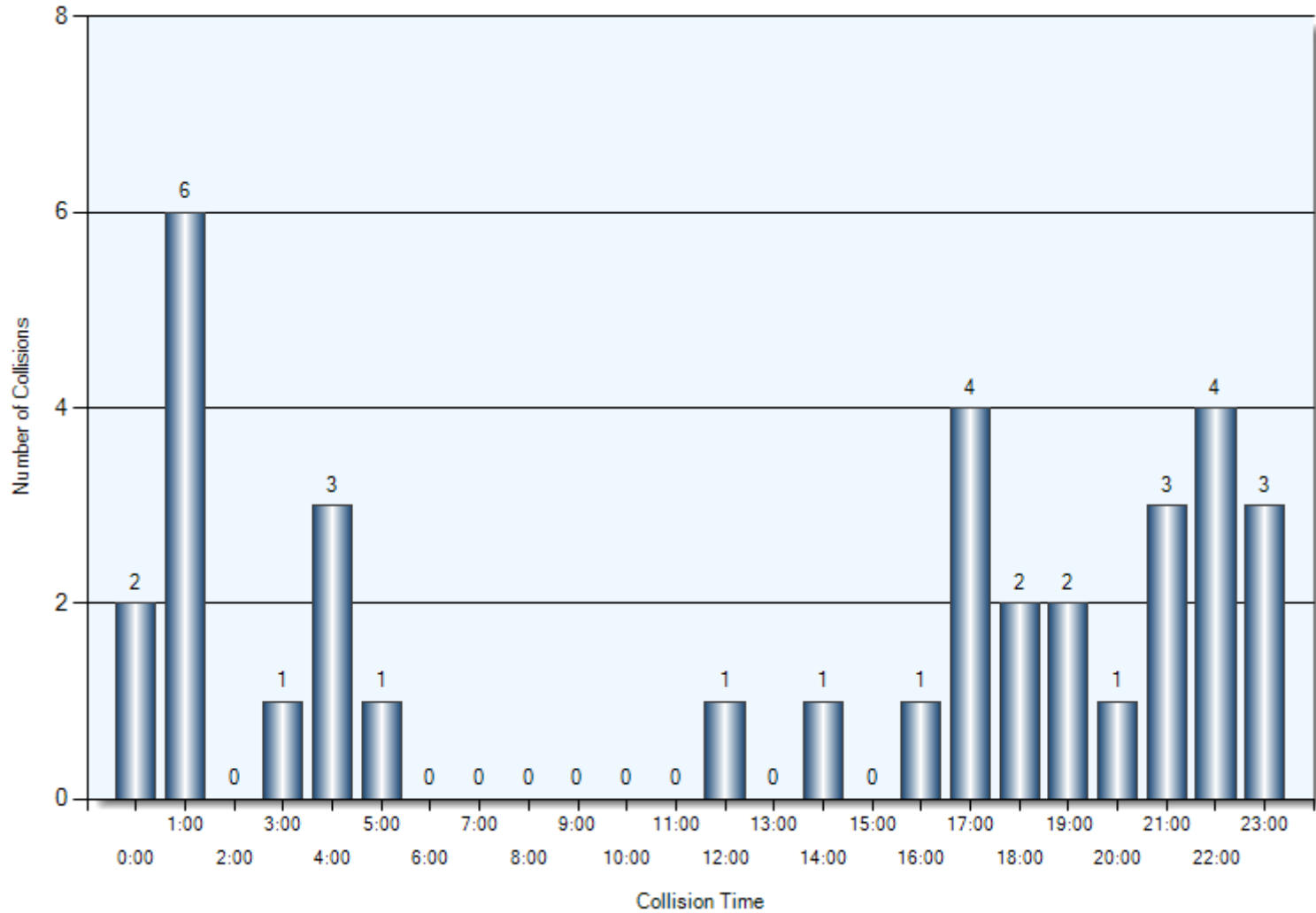
Collisions Involving Alcohol or Drugs
Collision Day
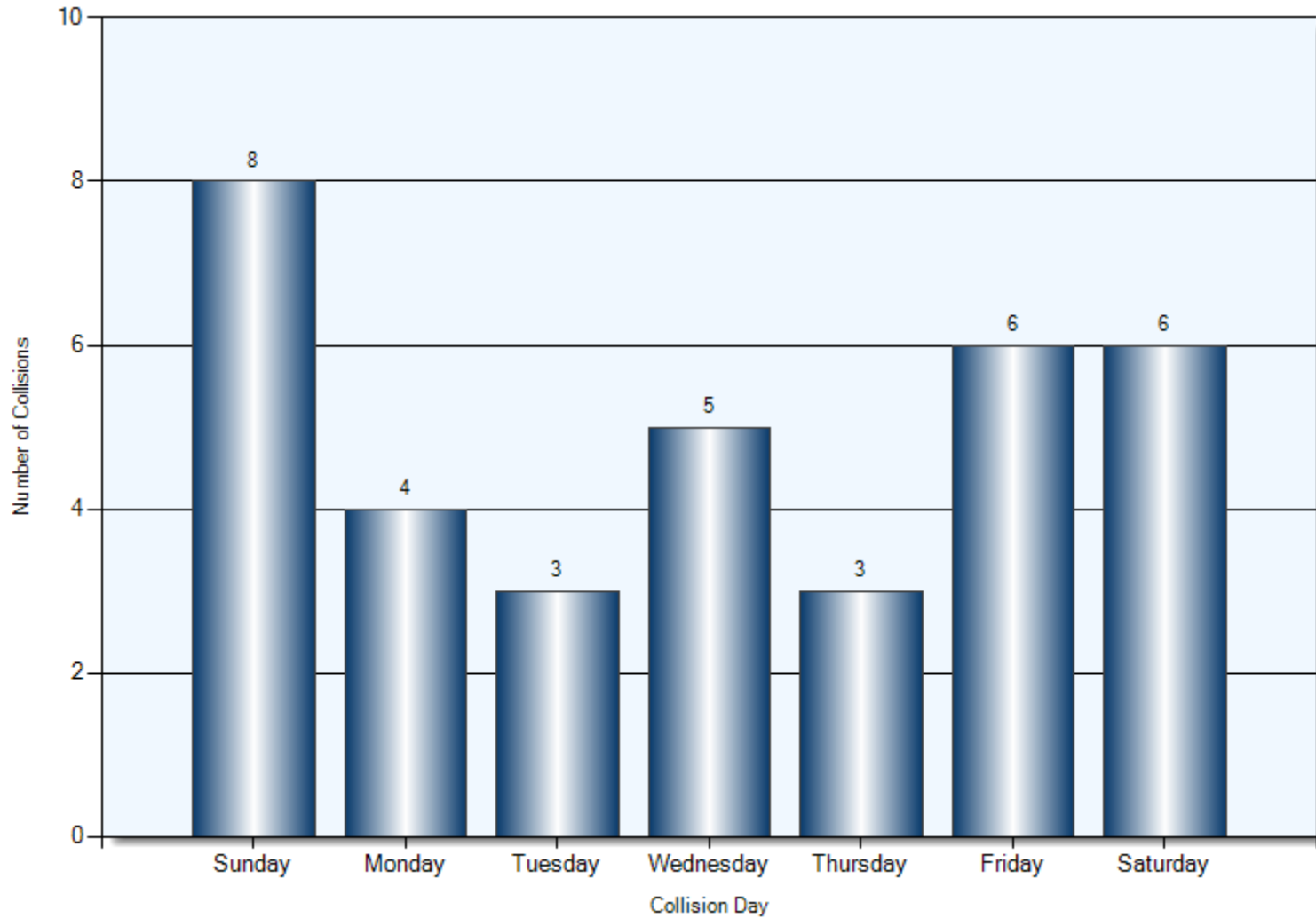
Collisions Involving Alcohol or Drugs
Collision Date
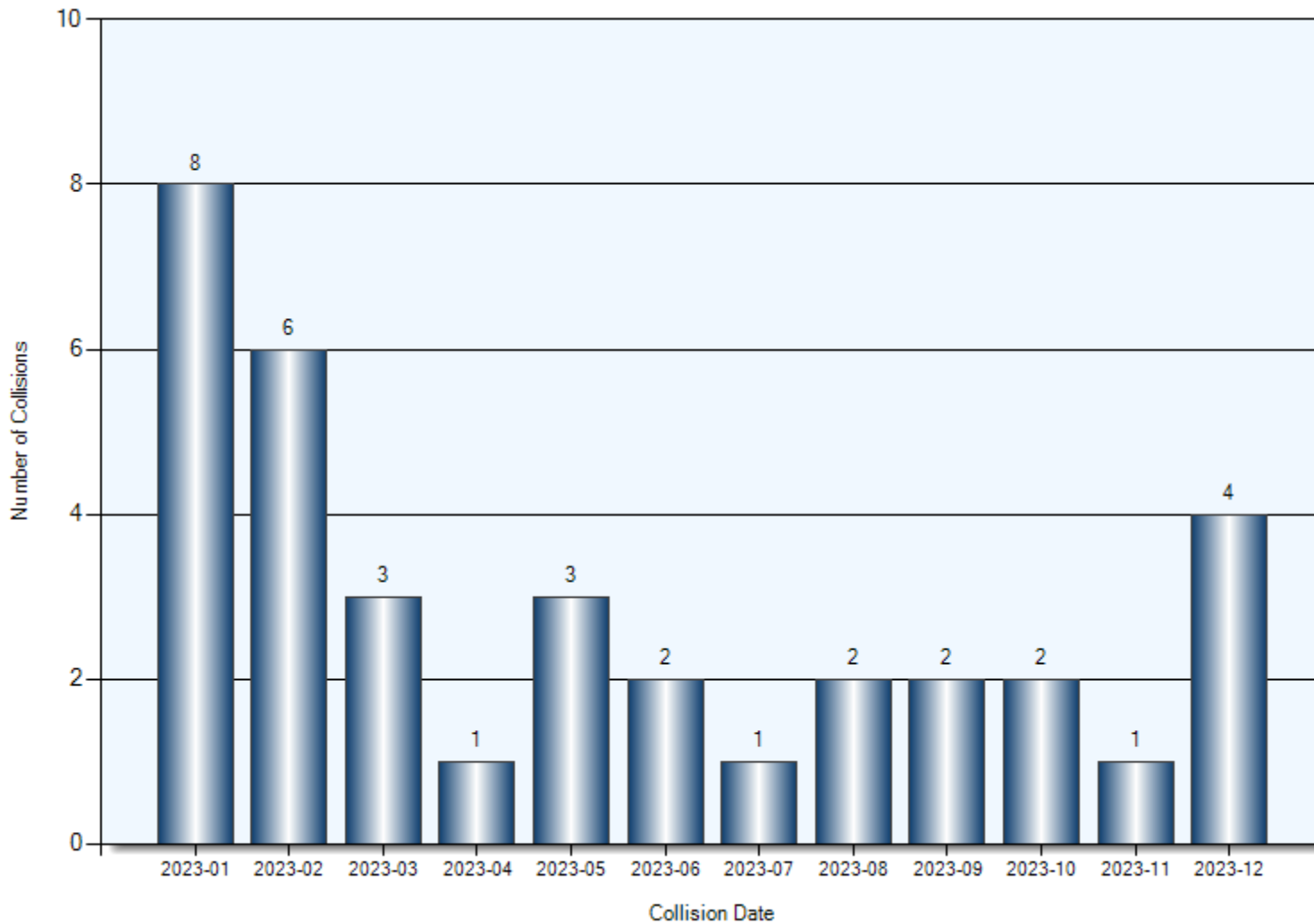
Collisions Involving Alcohol or Drugs
Driver Action
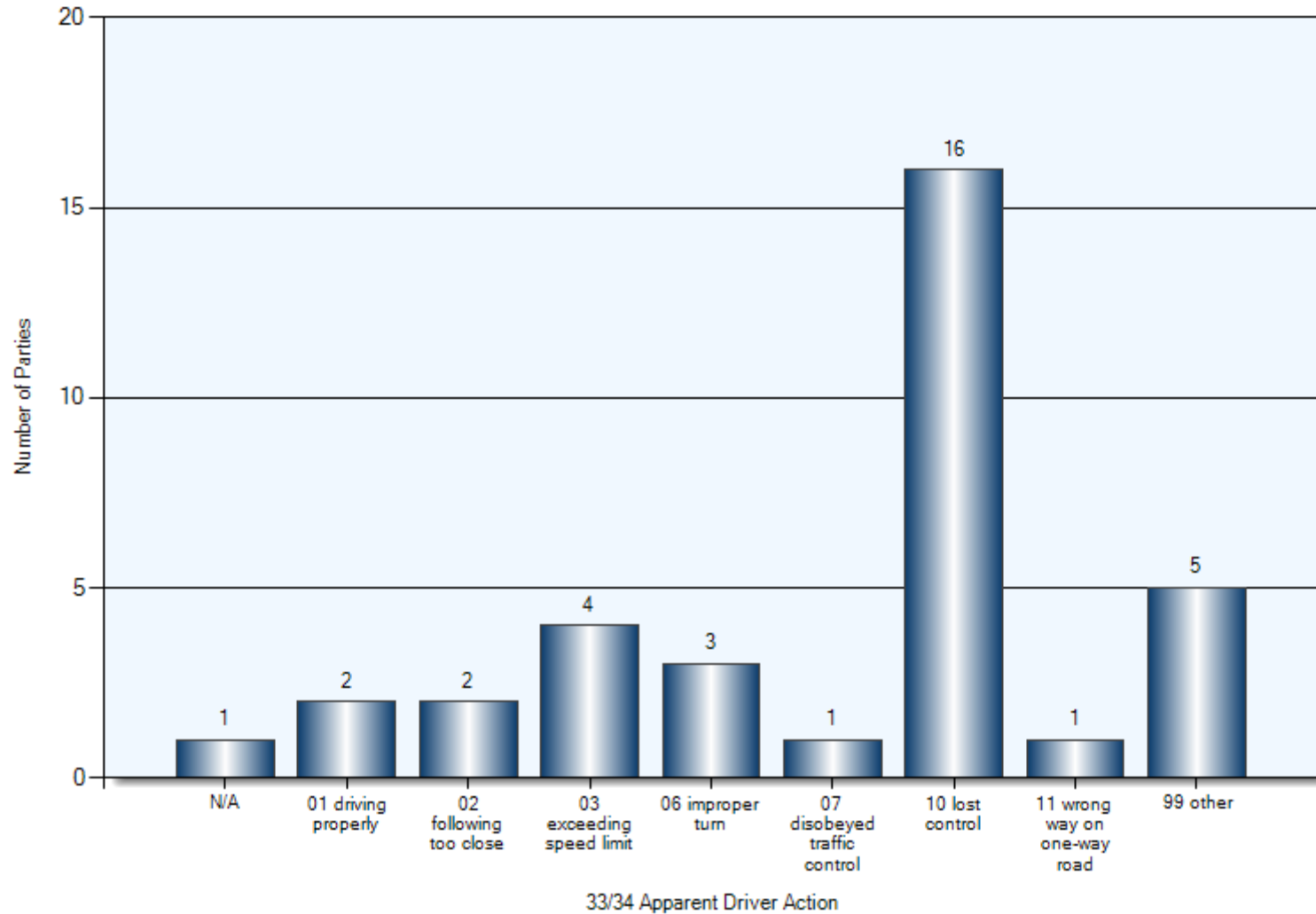
Collisions Involving Alcohol or Drugs
Driver Condition
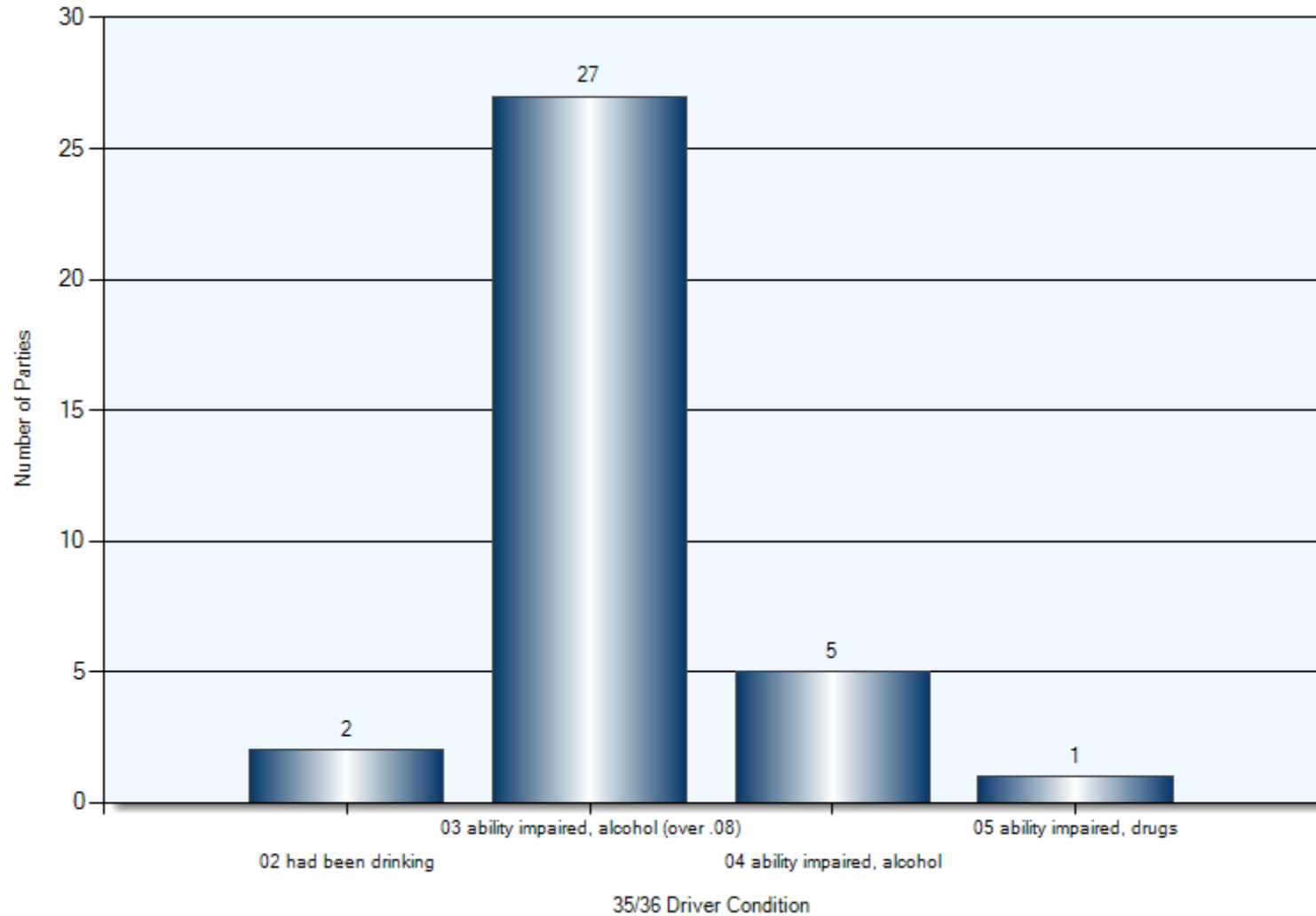
Collisions Involving Alcohol or Drugs
Driver Age
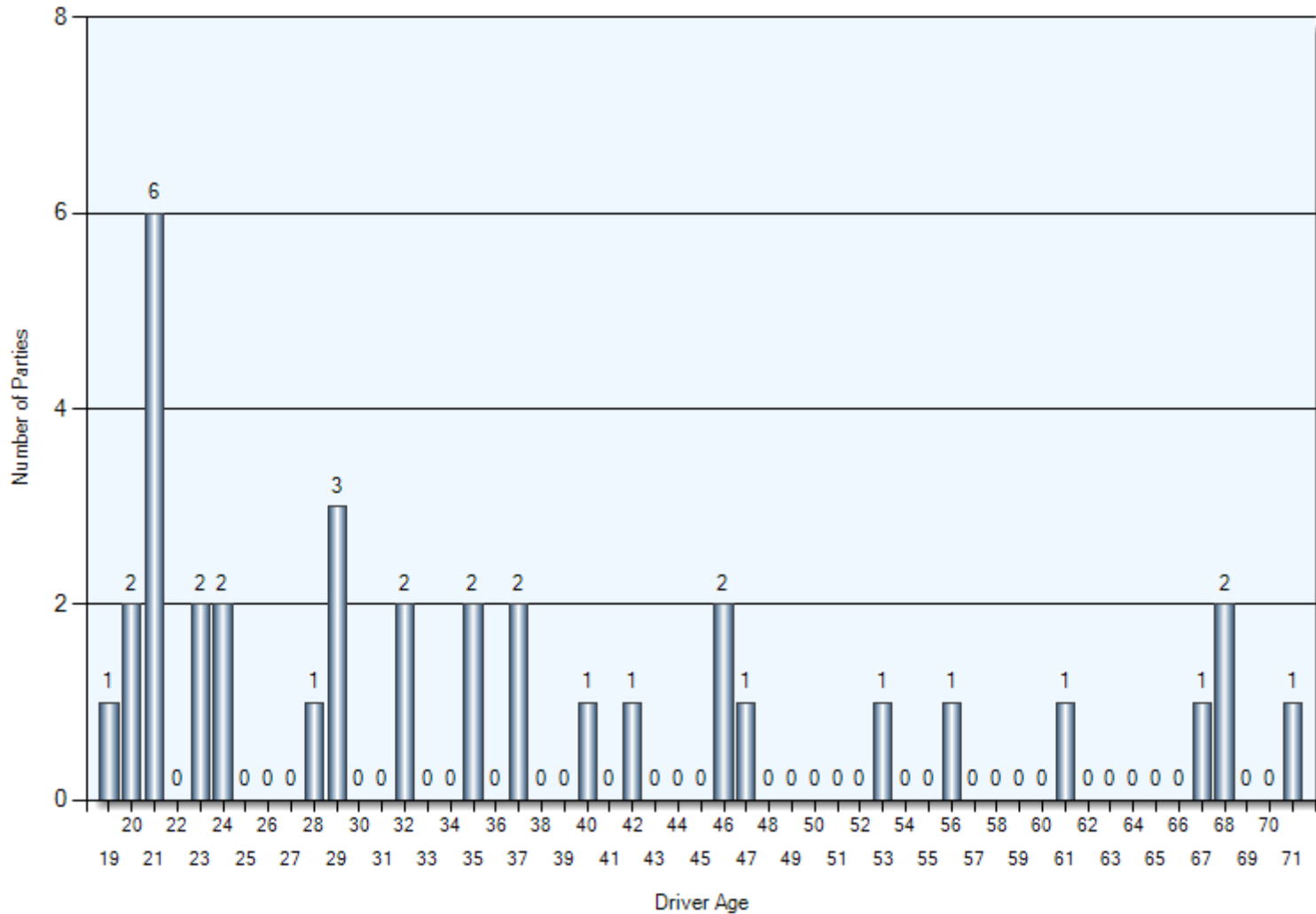
Collisions Involving Alcohol or Drugs
Classification of Collision
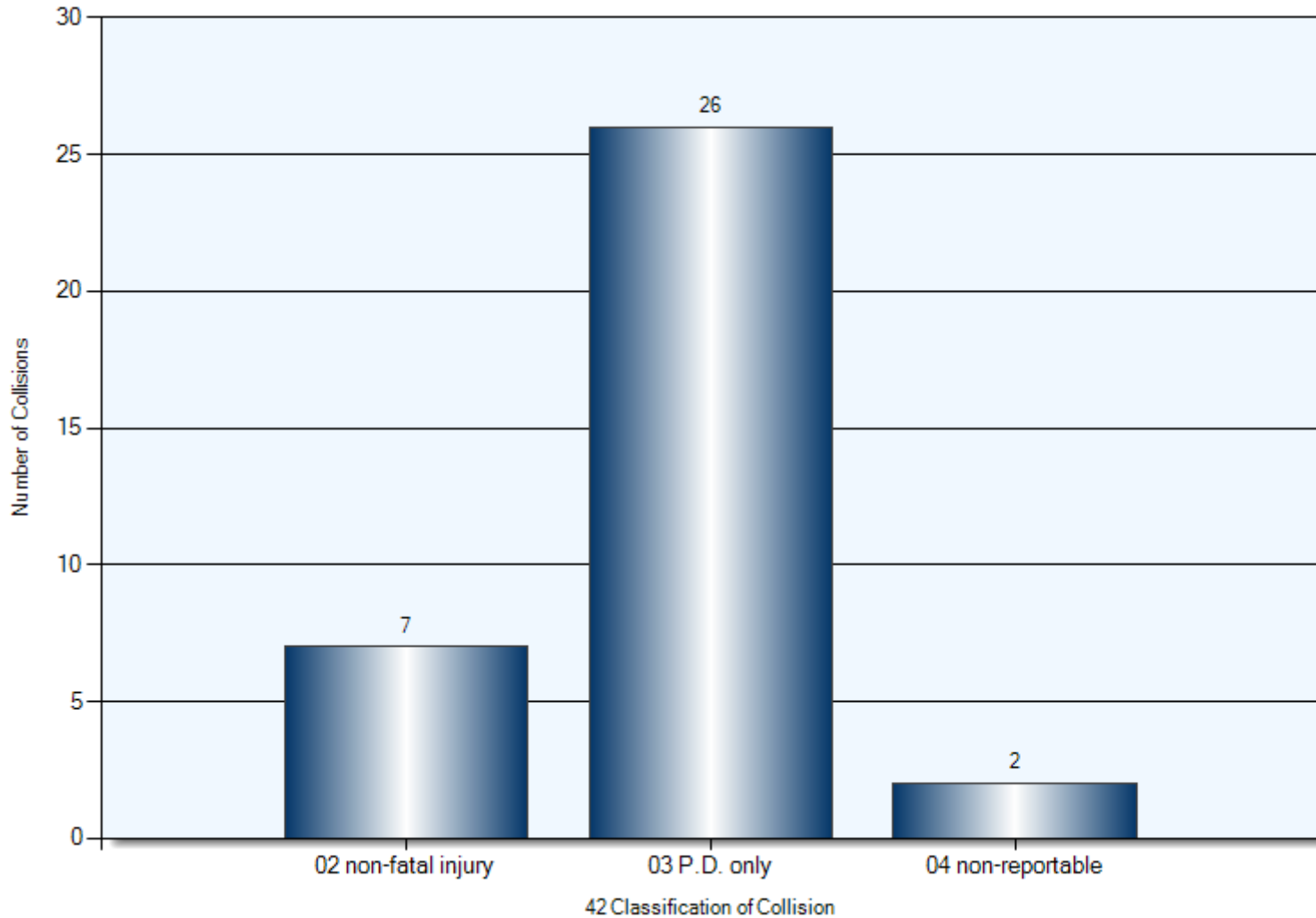
On-Scenes & Self-Reports

TOP INTERSECTIONS

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Top Intersections

Q4 2023

Accident Location	Incidents	Parties	Injuries	% Injuries
BATH RD & SIR JOHN A MACDONALD BLVD	31	49	1	2.04
MIDLAND AVE & PRINCESS ST	29	50	1	2.00
BATH RD & GARDINERS RD	29	49	0	0.00
GARDINERS RD & PRINCESS ST	28	51	6	11.76
GARDINERS RD & TAYLOR KIDD BLVD	26	46	1	2.17
CENTENNIAL DR & PRINCESS ST	26	45	0	0.00
JOHN COUNTER BLVD & SIR JOHN A MACDONALD BLVD	23	45	2	4.44
PRINCESS ST & TAYLOR KIDD BLVD	22	33	1	3.03
BAYRIDGE DR & PRINCESS ST	21	37	2	5.41
BATH RD & PORTSMOUTH AVE	19	33	1	3.03
JOHN COUNTER BLVD & PRINCESS ST	19	30	3	10.00
DIVISION ST & JOHN COUNTER BLVD	18	30	1	3.33
JOHN COUNTER BLVD & MONTREAL ST	18	30	0	0.00
BATH RD & DAYS RD	17	27	2	7.41
PRINCESS ST & SIR JOHN A MACDONALD BLVD	16	25	0	0.00
CONCESSION ST & LEROY GRANT DR	15	28	0	0.00
BATH RD & CENTENNIAL DR	15	27	2	7.41
CENTENNIAL DR & TAYLOR KIDD BLVD	15	26	0	0.00
ARMSTRONG RD & BATH RD	14	27	2	7.41
ALBERT ST & BROCK ST	13	27	1	3.70
TOTALS:	**414**	**715**	**26**	

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Top Intersections With Drive Profile
Q4 2023

Incident Location	Incident Count	Party Count	Under $1000	Est. 1001 -1500	Est. 1501 -2500	Est. 2501 -5000	Est. 5001 -10000	Est. 10001 -15000	Est. 15001 -25000	Est. over 25000	Age 16 -21	Age 22 -29	Age 30 -39	Age 40 -50	Age 51 -65	Age 66 -70	Age 71 -75	Age 76 -80	Age over 80	Male	Female
BATH RD & SIR JOHN A MACDONALD BLVD	31	49	10	8	4	2	0	0	0	0	4	13	6	13	6	0	1	3	3	29	20
MIDLAND AVE & PRINCESS ST	29	50	9	4	3	0	1	0	0	0	4	7	11	9	11	2	3	0	3	28	22
BATH RD & GARDINERS RD	29	49	14	9	6	4	0	0	0	0	5	4	9	9	12	3	1	4	2	28	21
GARDINERS RD & PRINCESS ST	28	51	6	2	5	5	0	0	0	0	10	8	7	8	10	5	0	2	1	27	24
GARDINERS RD & TAYLOR KIDD BLVD	26	46	9	5	5	1	0	0	0	0	6	9	7	8	10	2	1	2	1	26	20
CENTENNIAL DR & PRINCESS ST	26	45	9	6	2	3	0	0	0	0	2	8	7	10	11	3	4	0	0	26	19
JOHN COUNTER BLVD & SIR JOHN A MACDON	23	45	3	2	2	1	0	0	0	0	6	5	7	14	9	2	1	0	1	29	16
PRINCESS ST & TAYLOR KIDD BLVD	22	33	5	7	2	0	0	0	0	0	2	4	6	4	13	0	1	2	0	19	13
BAYRIDGE DR & PRINCESS ST	21	37	4	4	3	3	0	0	0	0	5	4	13	4	6	1	2	0	2	24	13
BATH RD & PORTSMOUTH AVE	19	33	2	5	7	2	0	0	0	0	5	2	5	7	9	4	1	0	0	16	17
JOHN COUNTER BLVD & PRINCESS ST	19	30	6	3	2	2	0	0	0	0	2	4	4	3	8	2	0	7	0	17	13
DIVISION ST & JOHN COUNTER BLVD	18	30	8	2	1	1	1	0	0	0	4	4	6	7	5	3	1	0	0	16	14
JOHN COUNTER BLVD & MONTREAL ST	18	30	4	7	3	2	0	0	0	0	2	4	5	6	5	1	2	2	1	14	14
BATH RD & DAYS RD	17	27	4	1	1	1	0	0	0	0	1	2	7	2	7	1	3	1	1	12	14
PRINCESS ST & SIR JOHN A MACDONALD BLV	16	25	2	4	3	1	1	0	0	0	2	5	5	4	7	1	0	1	0	13	12
CONCESSION ST & LEROY GRANT DR	15	28	1	3	4	1	0	0	0	0	1	3	4	3	9	3	2	0	2	12	15
BATH RD & CENTENNIAL DR	15	27	1	4	0	1	1	0	0	0	0	3	6	6	6	2	2	0	1	16	11
CENTENNIAL DR & TAYLOR KIDD BLVD	15	26	7	0	3	1	0	0	0	0	3	5	3	4	5	2	3	0	1	17	9
ARMSTRONG RD & BATH RD	14	27	1	3	3	4	0	0	0	0	1	9	6	4	3	0	2	0	1	10	17
ALBERT ST & BROCK ST	13	27	0	0	0	0	0	0	0	0	5	6	7	4	4	0	0	0	0	13	14
Grand Totals:	**414**	**715**	**105**	**79**	**59**	**35**	**4**	**0**	**0**	**0**	**70**	**109**	**131**	**129**	**156**	**37**	**30**	**24**	**20**	**392**	**318**

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Top 10 Recommended Intersections & Time Slots For Patrolling

R1 Location	R2 Location	Q4 2023	Recommended Patrol Time
Bath Rd	Sir John A MacDonald Blvd	33	17:00
Midland Ave	Princess St	28	17:00
Bath Rd	Gardiners Rd	28	12:00
Gardiners Rd	Princess St	31	12:00
Gardiners Rd	Taylor Kidd Blvd	27	14:00
Centennial Dr	Princess St	26	15:00
Princess St	Taylor Kidd Blvd	23	16:00
Bayridge Dr	Princess St	23	17:00
Bath Rd	Portsmouth Ave	21	15:00 & 17:00
John Counter Blvd	Princess St	21	16:00

The top 10 intersections based off the top 20 intersections for Q4 2023 along with the recommended patrol times based on collision factors.

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#1 Top Intersection – Bath Rd & Sir John A. MacDonald Blvd.

Intersection- Time	Q4 2023
00:00	0
1:00	0
2:00	0
3:00	0
4:00	0
5:00	0
6:00	1
7:00	0
8:00	4
9:00	2
10:00	0
11:00	2
12:00	1
13:00	0
14:00	3
15:00	2
16:00	5
17:00	8
18:00	0
19:00	0
20:00	2
21:00	3
22:00	1
23:00	0

Intersection- Day	Q4 2023
Sunday	2
Monday	2
Tuesday	8
Wednesday	10
Thursday	2
Friday	7
Saturday	2

As shown in these tables Bath Rd & Sir John A. MacDonald Blvd has the highest number of collisions throughout Q4 2023. The day of these collisions fall mostly Tuesdays & Wednesdays. Where the majority of these accidents on average happen at 17:00.

#2 Top Intersection- Princess St & Midland Ave

Intersection- Time	Q4 2023
00:00	1
1:00	0
2:00	0
3:00	1
4:00	0
5:00	0
6:00	0
7:00	0
8:00	2
9:00	0
10:00	1
11:00	1
12:00	3
13:00	1
14:00	2
15:00	3
16:00	4
17:00	6
18:00	2
19:00	0
20:00	1
21:00	1
22:00	0
23:00	0

Intersection- Day	Q4 2023
Sunday	2
Monday	3
Tuesday	6
Wednesday	4
Thursday	6
Friday	6
Saturday	1

As shown in these Princess St & Midland Ave has one of the highest number of collisions throughout Q4 2023. The day of these collisions fall mostly on Tuesdays, Thursdays & Fridays. Where the majority of these accidents on average happen at 17:00

24-02 - 7.c.
February 15, 2024