

Collision Trends in Mississauga

Road Safety Committee
&
Mississauga Cycling Advisory Committee

November 2024

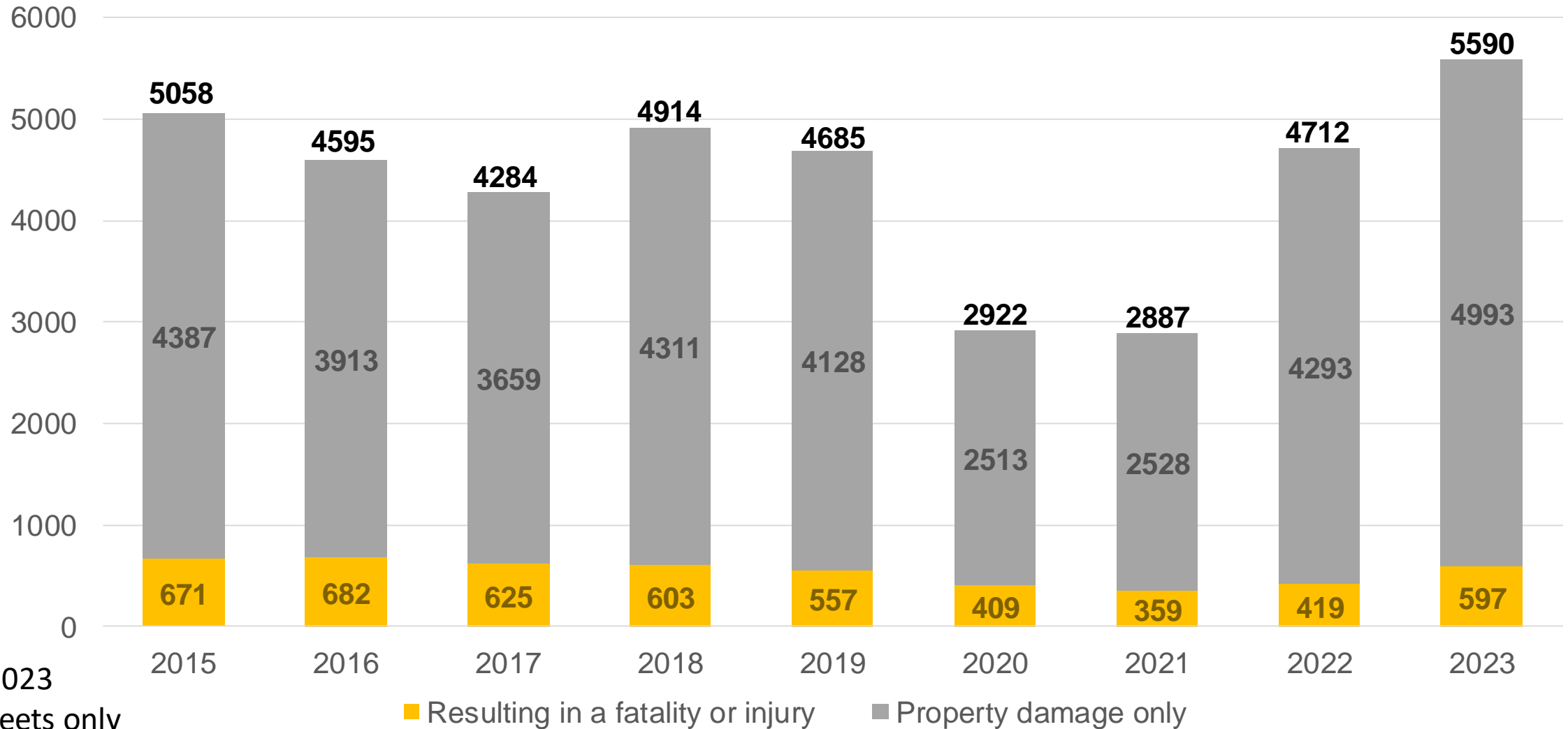


Context

- Staff were asked by the committees to bring a presentation about collision trends in Mississauga
- Presentation will focus on fatal and injury causing collisions with a few other general statistics
- Data presented from 2015 to 2023
 - a reminder that data from 2020, 2021, and 2022 are heavily impacted by Covid trends
- Data presented represents total number of collisions not necessarily the same as victims in the collisions
- Some data combines Regional and Municipal road information and others don't. Each slide will specify what is being presented



Collisions 2015 – 2023



2015-2023
City streets only

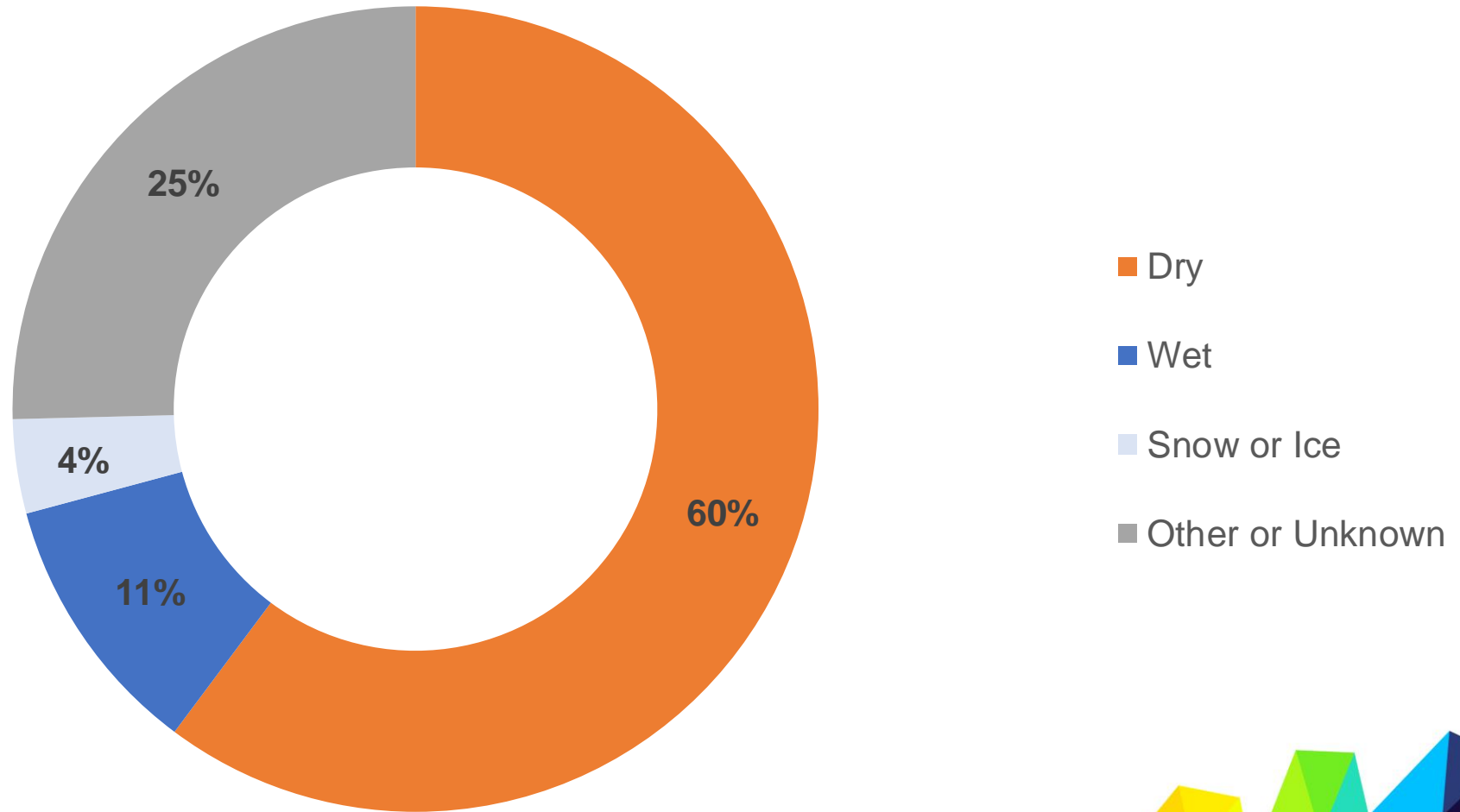
Collisions: Time of Day / Day of Week

Day of Week	Time of Day																								Total
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
Sunday	18	18	8	5	5	10	9	10	10	12	16	28	25	45	36	57	50	31	32	26	20	23	26	21	541
Monday	4	2	10	3	1	11	14	32	43	31	35	31	42	50	57	55	67	76	52	26	31	22	14	24	733
Tuesday	6	5	6	2	6	15	29	33	63	60	26	44	44	41	45	76	75	68	69	36	33	21	24	15	842
Wednesday	6	3	5	3	5	21	21	36	79	45	36	42	45	43	62	96	101	102	64	47	32	26	25	15	960
Thursday	12	3	5	2	6	22	29	32	52	52	25	32	42	43	69	71	68	98	62	38	30	33	25	18	869
Friday	9	8	5	4	5	17	28	31	46	34	45	46	50	43	84	95	92	56	75	43	34	43	34	14	941
Saturday	7	20	11	7	6	8	12	12	20	31	36	35	39	63	50	68	46	49	45	33	29	24	32	21	704
Total	62	59	50	26	34	104	142	186	313	265	219	258	287	328	403	518	499	480	399	249	209	192	180	128	5590

All collision severity
 2023
 City streets only



Road Surface Condition and Collisions



2015-2023
City streets only
All collision severity

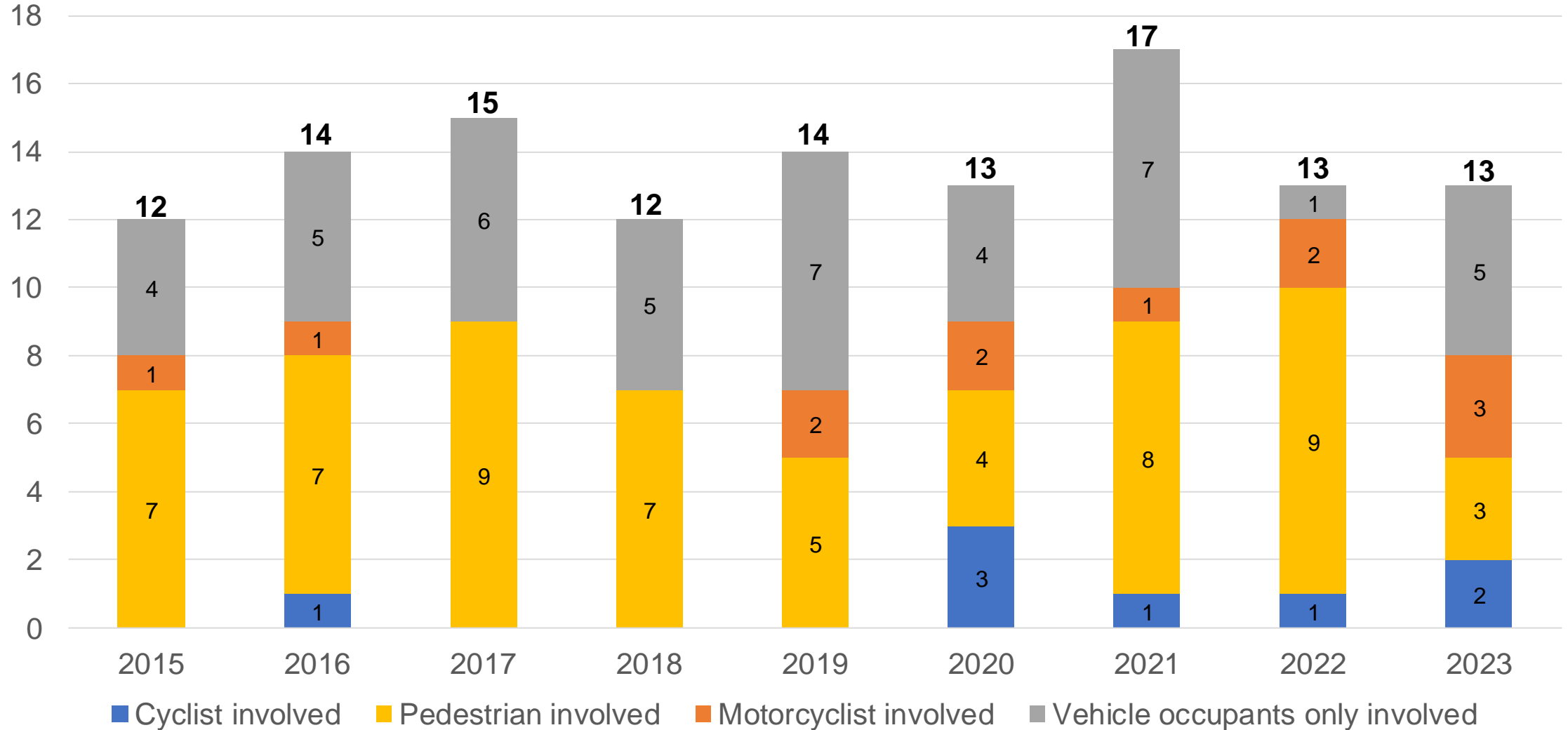


Ambient light and collisions

	Distribution of severity type occurring in:		
	Daylight	Dark	Dawn or Dusk
Resulting in a fatality	34%	57%	9%
Resulting in an injury	64%	30%	6%
Property damage only	68%	26%	6%



Collisions resulting in a fatality



2015-2023
City streets and Regional roads in Mississauga



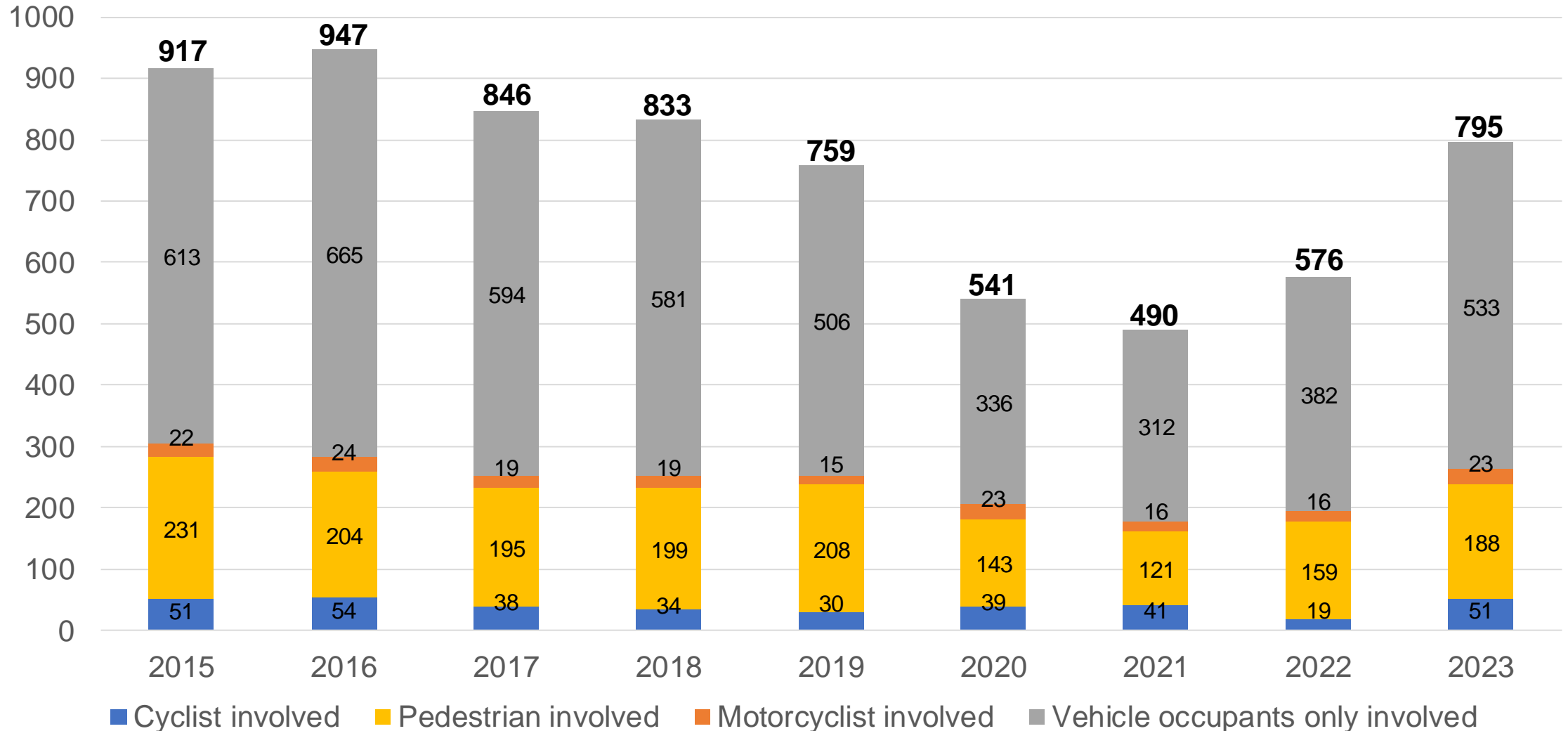
Vulnerable Road User Fatal Collisions (2015-2023)

	Collisions resulting in a fatality	Share of collisions resulting in a fatality
Pedestrian involved	59	48%
Cyclist involved	8	7%
Motorcyclist involved	12	10%
Vehicle occupants only	44	36%
Total	123	

65% of fatal collisions involve a VRU



Collisions resulting in an injury



2015-2023
City streets and Regional roads in Mississauga



Vulnerable Road User Injury Collisions (2015-2023)

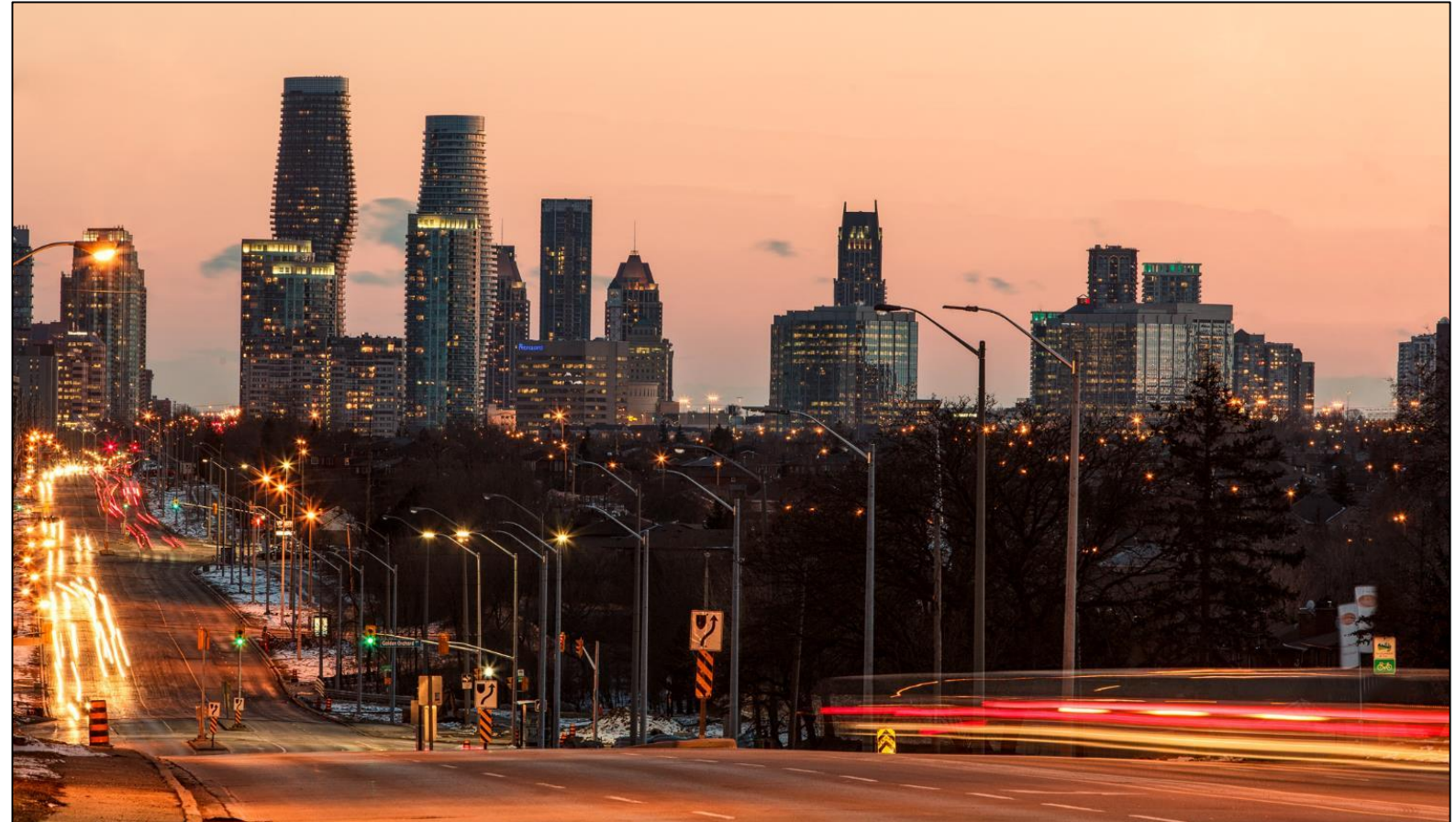
	Collisions resulting in an injury	Share of collisions resulting in an injury
Pedestrian involved	1,648	25%
Cyclist involved	357	5%
Motorcyclist involved	177	3%
Vehicle occupants only	4,522	67%
Total	6,704	

33% of injury collisions involve a VRU

Where are fatalities and injuries occurring?

Almost **9 in every 10 (87%)** fatal and injury collisions happen on **major roads** in Mississauga.

Major roads represent just **24% of all roadways** in Mississauga (by centre lane kilometres)



2015-2023

City streets and Regional roads in Mississauga
Arterial and Major Collector Classification



Where are fatalities and injuries occurring?

2 in every 3 (67%) fatal and injury collisions happen at **intersections**

Over **half (52%)** happen at **signalized intersections**



Pedestrian Fatal & Injury Collisions

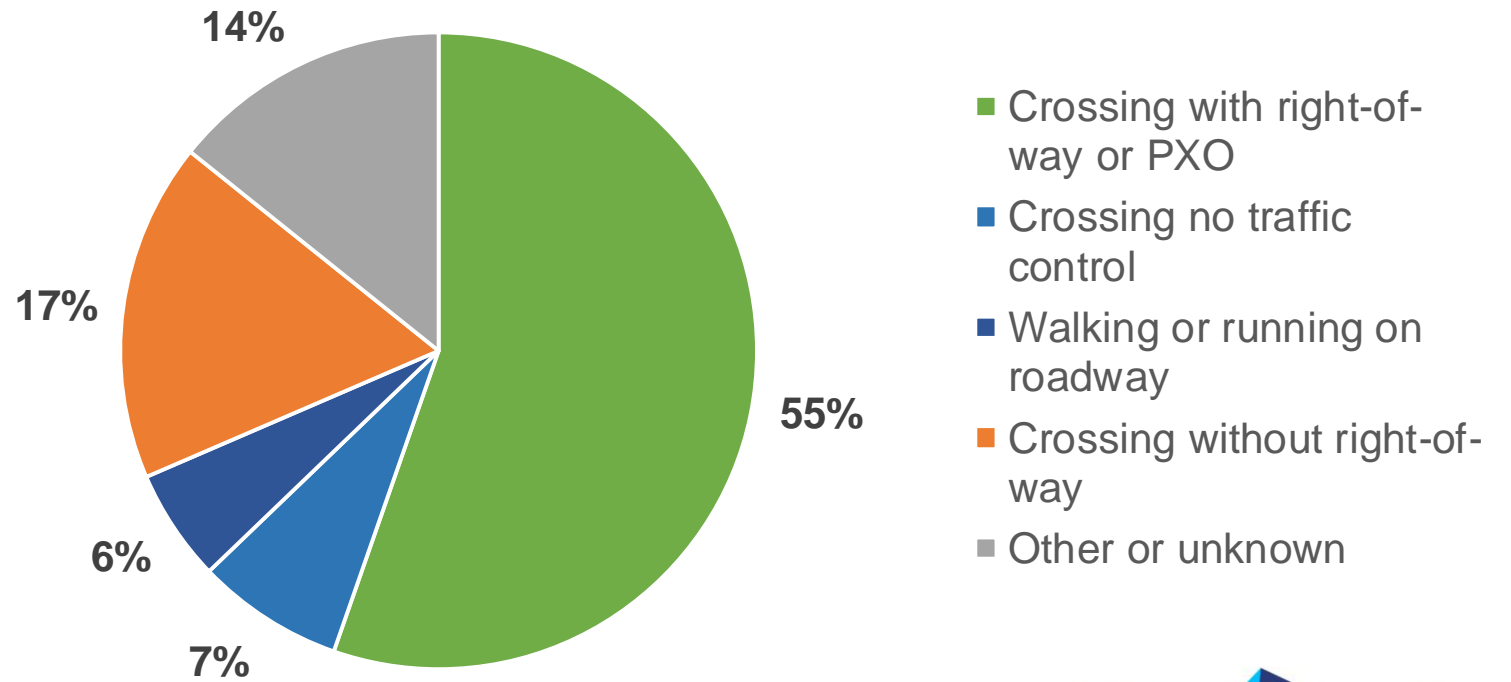
Where are they occurring?

- 3 in 4 (74%) occur at intersections, with over half (56%) at signalized intersections

Why do they occur?

- 58% because of a turning movement
- 36% because of a vehicle “going ahead” (i.e. an angle collision)

What is the pedestrian doing?



Cyclist Fatal & Injury Collisions

Where are they occurring?

- Most of them happen **away from a cycling facility** (85%)
- Approximately 3 in 4 (72%) happen **at intersections**
- Almost half (49%) happen **at signalized intersections**

Why do they occur?

- Most occur during a **turning movement** (43%) or
- An **angle** collision (35%)



January - June 2024 Collisions



	Resulting in a fatality	Resulting in an injury	Property damage only
Cyclist involved	0	9	11
Pedestrian involved	0	87	8
Motorcyclist involved	1	10	4
Vehicle Occupants only	3	230	4,119
TOTAL	4	333	4,372

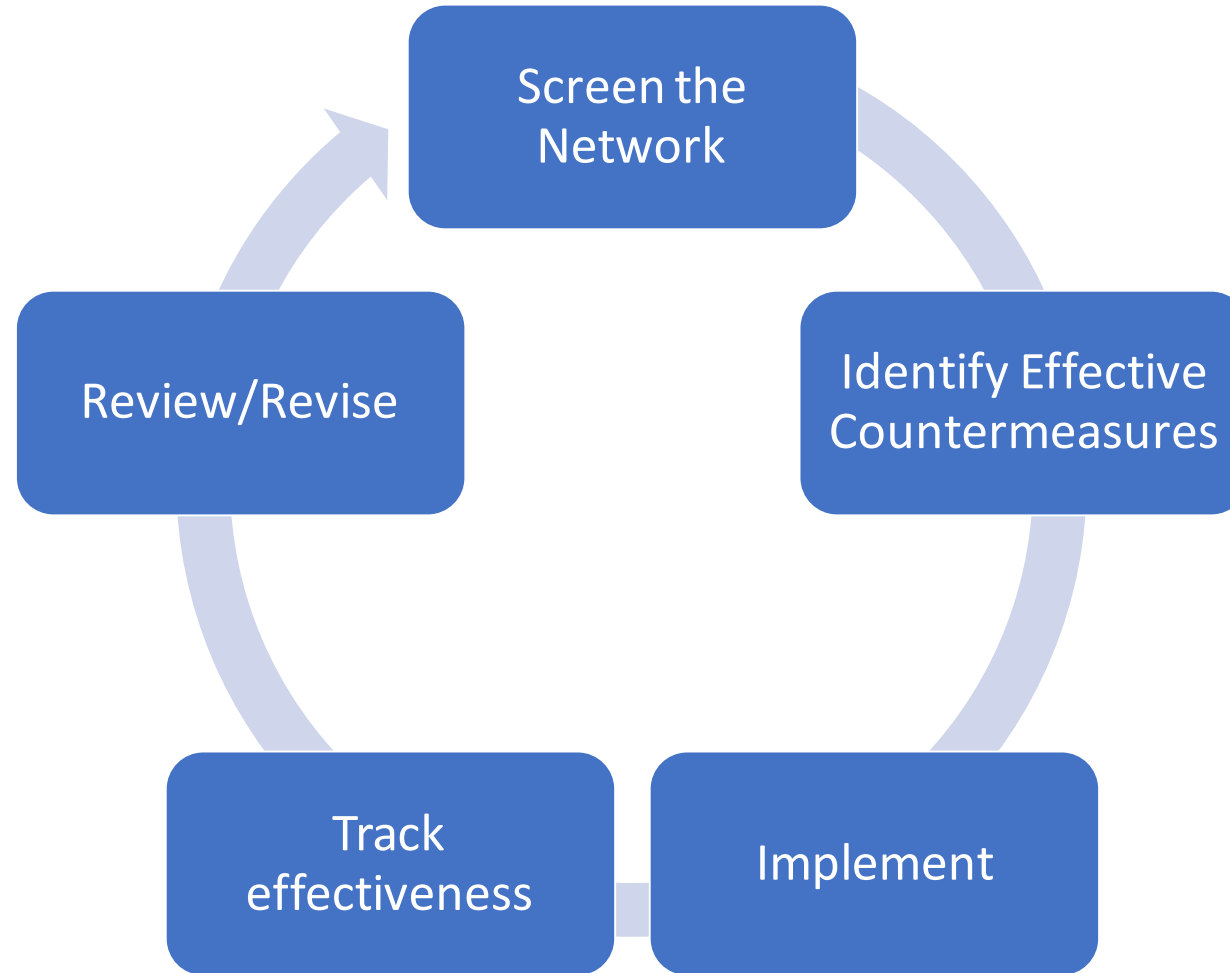
2024 – January through June

City streets and Regional roads in Mississauga

NOTE: Data is not confirmed for 2024, and subject to change



Proactive Road Safety Programming



Impaired Driving – Region Wide

April – June 2024 (Q2)

- From April 1st to June 30th Peel Police laid 351 impaired driving charges against 221 individuals
- In Peel there were 36 impaired collisions in Q2
- Of those collisions 12 were non-fatal and 24 were PDO
- 21 of those collisions occurred in Mississauga
- Majority of drivers involved in impaired collisions are males (86%)
- The average age of impaired drivers was 36 (in Q1 it was 39 years old)



Thank You

Erica Warsh, Vision Zero Program Leader

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