



When Do Collisions Occur



Where Do Collisions Occur



**How Do Collisions Occur** 



**Motorcyclist Collisions** 



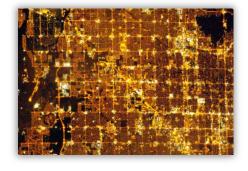
**Pedestrian Collisions** 



Bicycle Collisions



# 2023 City of Phoenix Traffic Collision Summary





June 2025





## 2023 City of Phoenix Quick Collision Facts:

#### **Annual Collision Trends**



#### When Do Collisions Occur



#### Where Do Collisions Occur



**How Do Collisions Occur** 



**Motorcyclist Collisions** 



**Pedestrian Collisions** 



Bicycle Collisions

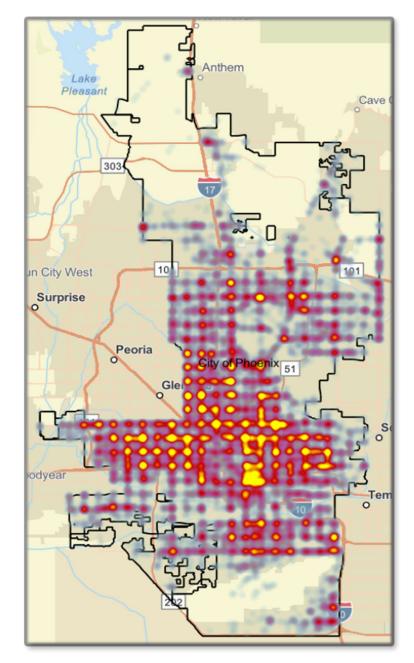


## Preface:

The raw data used for this report was obtained from the Arizona Department of Transportation and processed utilizing a custom application, coded by Y2K Engineering for the City of Phoenix - Street Transportation Department. The data included in this year's report may vary from trends and statistics that have been presented in prior years. For more information on the modifications made to the selection criteria used to complete this report, please make a request to the Office of Roadway Safety.

It must be noted that data following the COVID-19 epidemic years may have altered trends due to the unusual societal factors affecting typical roadway user behavior.





Total Collisions 23,318



## 2023 City of Phoenix Quick Collision Facts:

#### **Annual Collision Trends**



#### When Do Collisions Occur



#### Where Do Collisions Occur



#### **How Do Collisions Occur**



#### **Motorcyclist Collisions**



#### **Pedestrian Collisions**

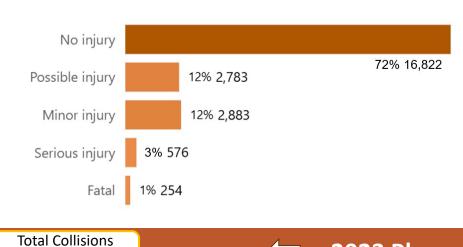




Failed To Yield			28.7%
Speed Too Fast			22.8%
Unknown		11.0%	
Unsafe Lane Change	6.3	%	
Made Improper Turn	6.0	%	
Disregarded Traffic Signal	5.5%	_	
Other	4.8%	less	ombined 1.4% of common violations are not shown.
No Improper Action	4.3%	č	are not snown.
Failed To Keep In Proper Lane	3.7%		
Followed Too Closely	3.6%		
Ran Stop Sign	1.1%		
Did Not Use Crosswalk	0.8%		

## Collisions by Injury Severity

Unit 1 Top Violations



	compton manner		
Speed Related	Left turn	Rear end	
Hit and Run 15%	25.3% Angle	20.5% Single Vehicle	
Driver 1 Impaired 5%			
Bike or Pedestrian 4%	17.7% Sideswipe 14.0%	12.8% Pedestrian 3.3% Head on 2.3%	Other 1 1.2% Bike 1.1%
	14.070	2.370	1.170

Collision Manner

23,318

#### **2023 Phoenix Traffic Collision Summary**



0.6%





When Do Collisions Occur



#### Where Do Collisions Occur



**How Do Collisions Occur** 



**Motorcyclist Collisions** 



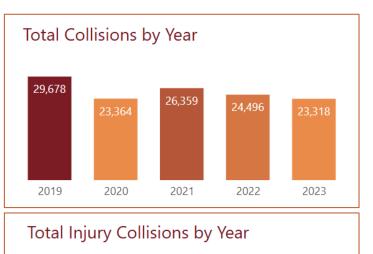
**Pedestrian Collisions** 

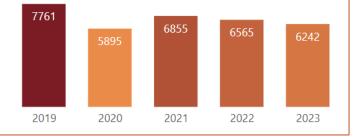


Bicycle Collisions



## Annual Collision Trends



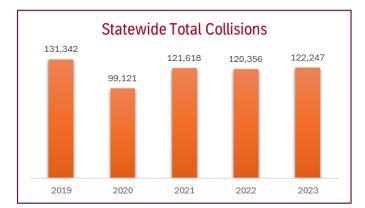


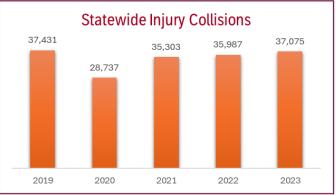
#### Total Fatal Collisions by Year

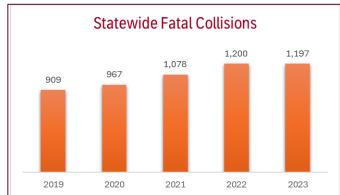
		234	239	254	
167	169				
2019	2020	2021	2022	2023	

#### Arizona Crash Facts

Note: Arizona data comes from the 2023 Arizona Crash Facts Summary (ADOT)







Total Collisions 23,318

**2023 Phoenix Traffic Collision Summary** 



## When Do Collisions Occur?

#### Collisions by Month





#### When Do Collisions Occur



#### Where Do Collisions Occur



#### **How Do Collisions Occur**

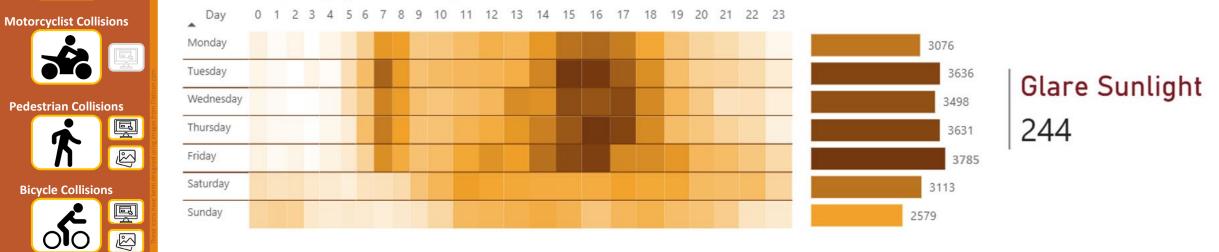
**Bicycle Collisions** 

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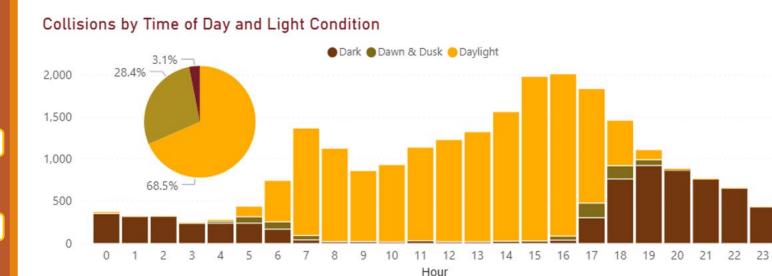
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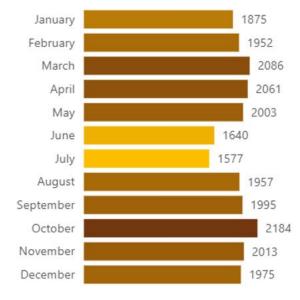


#### Collision Frequency by Hour and Day of the Week



**Total Collisions** 





## 23,318





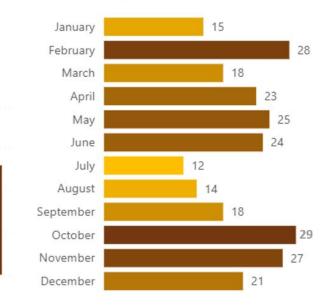
## When Do Fatal Collisions Occur?

9

10

34.55%

#### Collisions by Month



#### **Annual Collision Trends**



#### When Do Collisions Occur



#### Where Do Collisions Occur



#### How Do Collisions Occur

**Motorcyclist Collisions** 

**Pedestrian Collisions** 

Bicycle Collisions

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#### Collision Frequency by Hour and Day of the Week

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5

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Collisions by Time of Day and Light Condition

🔵 Dark 🌑 Dawn & Dusk 😑 Daylight

20

15

10

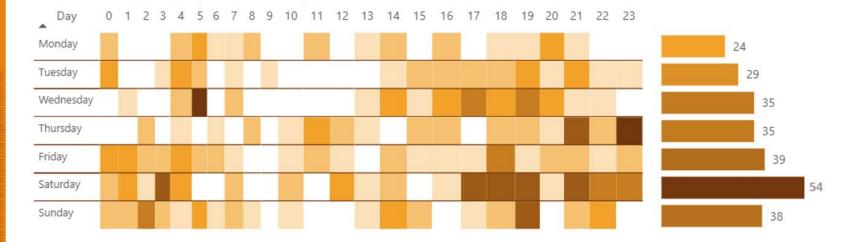
5

0

0

2

3



61.38%

12

Hour

13

14

#### Fatal Collisions

## 2023 Phoenix Traffic Collision Summary

15

16

17

18

19

20

21 22 23







#### When Do Collisions Occur



#### Where Do Collisions Occur



#### **How Do Collisions Occur**



#### **Motorcyclist Collisions**



**Pedestrian Collisions** 

**Bicycle Collisions** 

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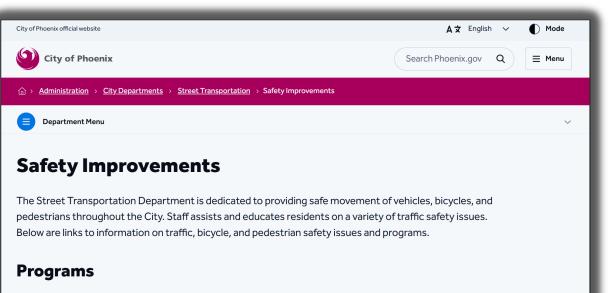
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## Traffic Safety Resources

The Street Transportation Department is dedicated to providing safe movement of vehicles, bicycles, and pedestrians throughout the City. Below are links to information on roadway safety issues and programs:

Roadway Safety Home Page Roadway Safety Action Plan (RSAP) School Safety Efforts Complete Streets Program

Pedestrian Safety Activity Book (English)



Road Safety Action Plan	School Safety Efforts
Learn about Phoenix's Road Safety Action Plan to enhance street safety and reduce accidents.	Phoenix is enhancing school safety through street initiatives, ensuring secure routes for students.
Traffic Safety	<◊>
Topics	
Guides and Reports (PDF)	



2023 Phoenix Traffic Collision Summary





## Where Do Collisions Occur?

#### Annual Collision Trends



#### When Do Collisions Occur



#### Where Do Collisions Occur



#### How Do Collisions Occur



#### **Motorcyclist Collisions**



#### **Pedestrian Collisions**

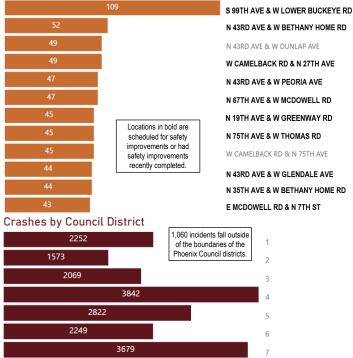


Bicycle Collisions



# Segment Crashes (by On Road)260Indian School Rd242Camelback Rd198Thomas Rd19019Th Ave1697Th St16443Rd Ave161Bell Rd151Baseline Rd142Collisions within 150'<br/>of an intersection are<br/>excluded155Sth Ave

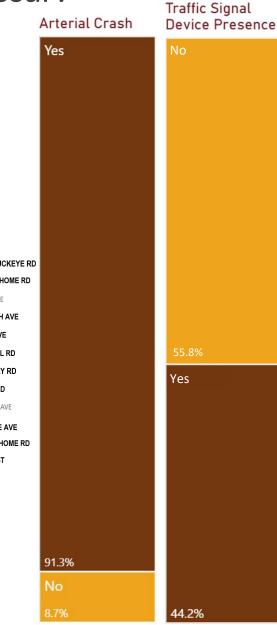
#### High Crash Intersections (150 feet)

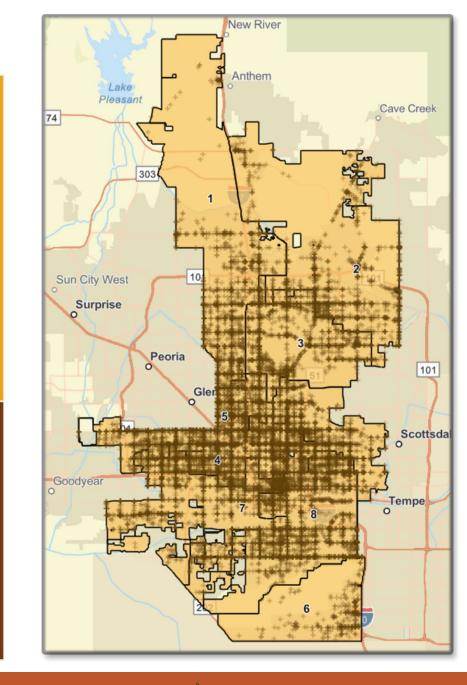


3772

**Total Collisions** 

23,318





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## Where Do Fatal Collisions Occur?

#### Annual Collision Trends



#### When Do Collisions Occur



#### Where Do Collisions Occur



#### How Do Collisions Occur



#### Motorcyclist Collisions

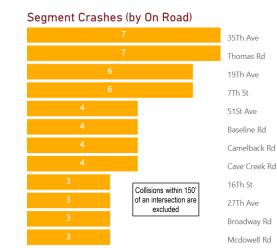


#### **Pedestrian Collisions**

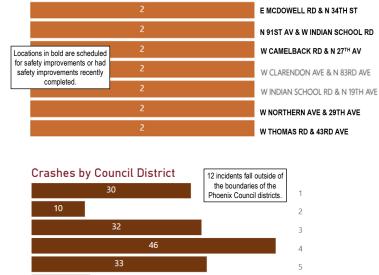


Bicycle Collisions

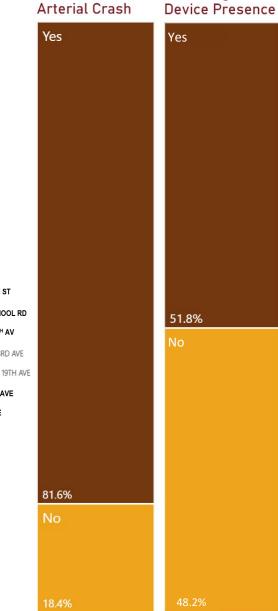




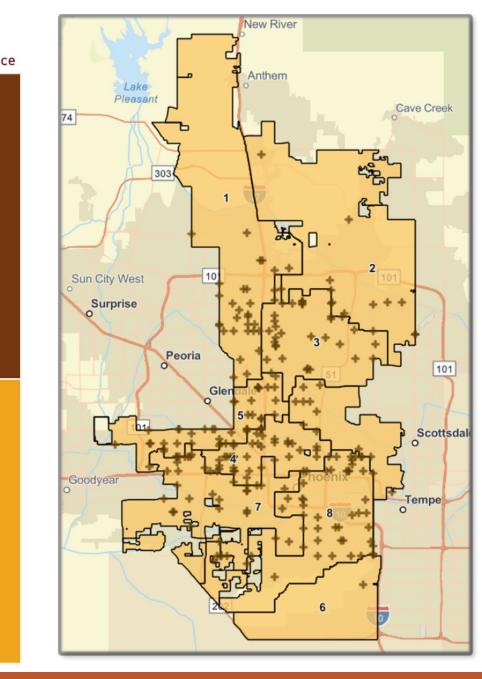
#### High Crash Intersections (150 feet)



49



Traffic Signal



Fatal Collisions 254





## Locations with the Highest Number of Intersection Collisions

Annual Collision Trends



When Do Collisions Occur



Where Do Collisions Occur



**How Do Collisions Occur** 



**Motorcyclist Collisions** 



**Pedestrian Collisions** 

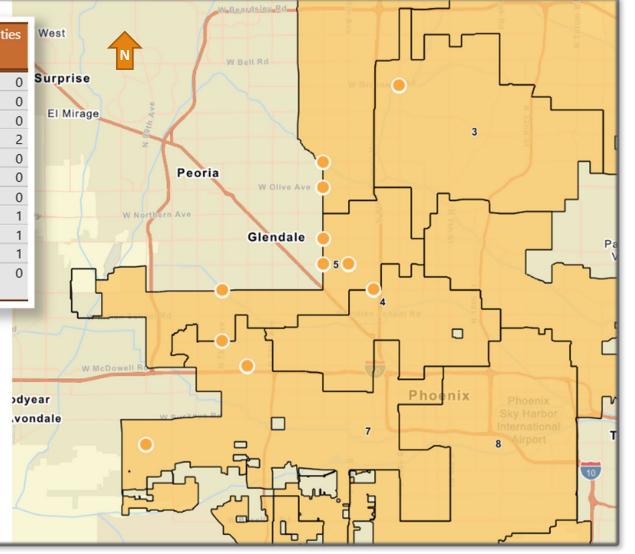


**Bicycle Collisions** 



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GIS.Intersection\_Name Incident TotalInjuries TotalFatalities Count S 99TH AVE & W LOWER BUCKEYE RD 109 13 N 43RD AVE & W BETHANY HOME RD 26 52 N 43RD AVE & W DUNLAP AVE 49 25 W CAMELBACK RD & N 27TH AVE 15 49 N 43RD AVE & W PEORIA AVE 47 17 47 10 N 67TH AVE & W MCDOWELL RD N 19TH AVE & W GREENWAY RD 45 30 N 75TH AVE & W THOMAS RD 45 34 W CAMELBACK RD & N 75TH AVE 45 20 N 43RD AVE & W GLENDALE AVE 44 18 W BETHANY HOME RD & N 35TH AVE 44 19



Only collisions within 150' were counted.

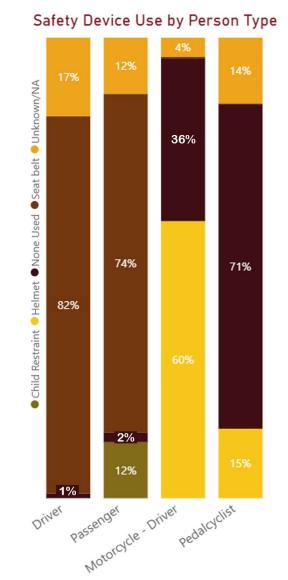




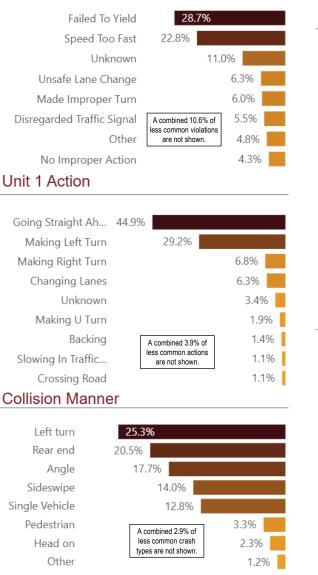


## How Do Collisions Occur?





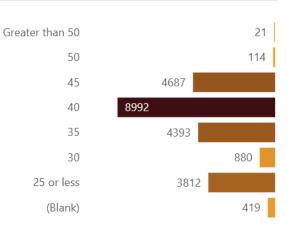
#### Unit 1 Violation



#### First Harmful Event (Single Vehicle)

Parked Motor Vehicle	34.6%	
Other Fixed Object	20.0%	
Curb	16.4%	
Fence	9.1	%
Utility Pole Light Su		4.9%
Tree Bush Stump St		3.2%
Other Non-Fixed O		2.4%
Overturn Rollover	A combined 4.8% of less common struck	1.8%
Traffic Signal Support	objects are not shown.	1.6%
Traffic Sign Support		1.2%

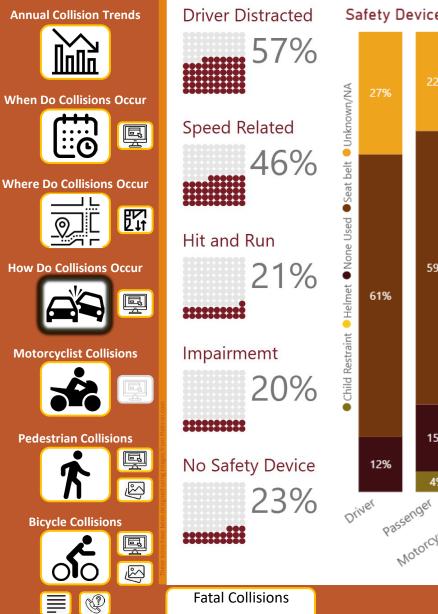
#### Posted Speed Limit (On Road)

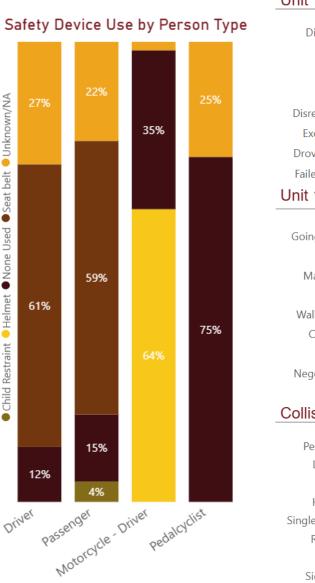


Total Collisions 23,318

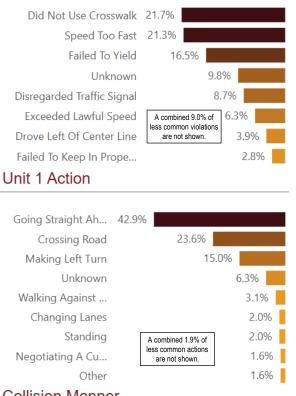


## How Do Fatal Collisions Occur?

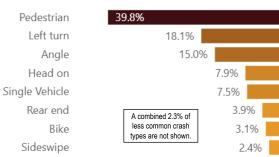




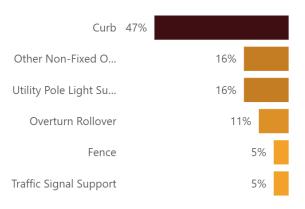




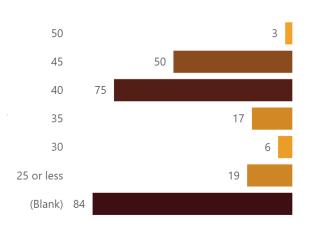
#### **Collision Manner**



#### First Harmful Event (Single Vehicle)



Posted Speed Limit (On Road)



254



## How Do Collisions Occur and to Who?

#### Annual Collision Trends



#### When Do Collisions Occur



#### Where Do Collisions Occur



#### **How Do Collisions Occur**



#### **Motorcyclist Collisions**



#### **Pedestrian Collisions**

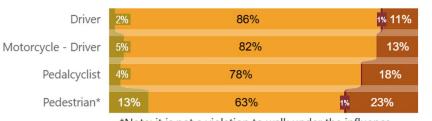


## Bicycle Collisions



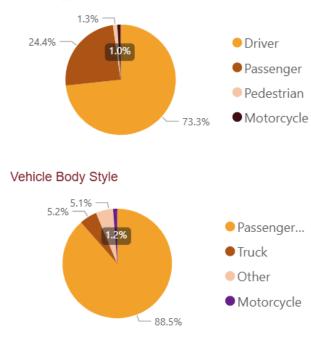
#### Impairment by Person Type

● Drugs and/or alcohol ● No impairment ● Other impairment ● Unknown



#### \*Note: it is not a violation to walk under the influence.

#### Person Type



#### Drivers of Unit 1 by Age and Gender Female Male 1004 15-19 1272 20-24 1068 25-29 928 30-34 768 35-39 629 40-44 492 45-49 471 50-54 359 55-59 312 60-64 253 402 65-69

209

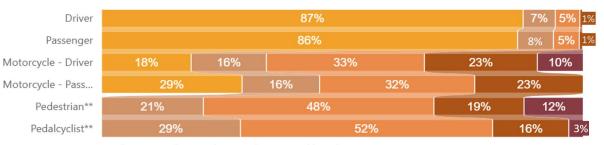
311

70-74

75+

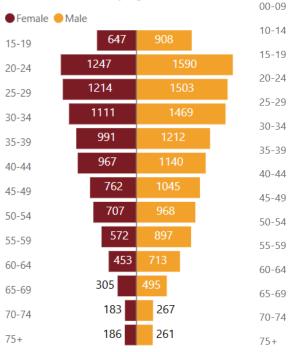
#### Person Types Involved in Crashes by Injury Status

#### Injury Status ON injury Possible injury Minor injury Serious injury Fatal



\*\*Note: Crashes involving pedestrian and bicyclist with less severe injuries may be under-reported.

#### Drivers of Unit 2-6 by Age and Gender



#### Ped and Bike by Age and Gender

Female

Male			
	9	27	
	13	39	
	33	50	
	28	67	
	38	70	
	30	99	)
	29	67	
	25	53	
	22	47	
	21	51	
	12	66	
	17	57	
	8	29	
	10	19	
	6	16	

Total Collisions 23,318

2023 Phoenix Traffic Collision Summary

259



## How Do Fatal Collisions Occur and to Who?

#### **Annual Collision Trends**



#### When Do Collisions Occur

Where Do Collisions Occur

**How Do Collisions Occur** 

**Motorcyclist Collisions** 

**Pedestrian Collisions** 

**Bicycle Collisions** 

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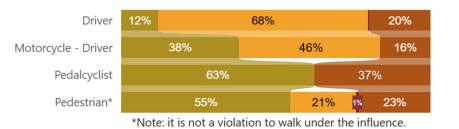
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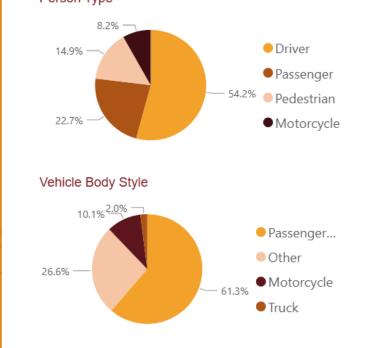
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#### Impairment by Person Type

● Drugs and/or alcohol ● No impairment ● Other impairment ● Unknown

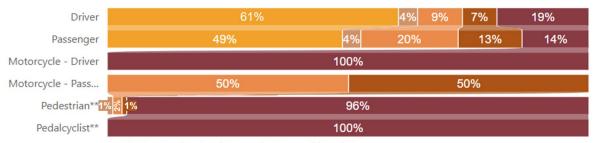


#### Person Type



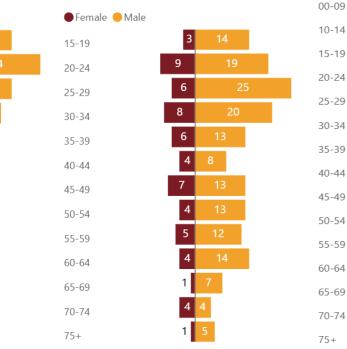
#### Person Types Involved in Fatal Crashes by Injury Status

#### Injury Status ON injury Possible injury Minor injury Serious injury Fatal

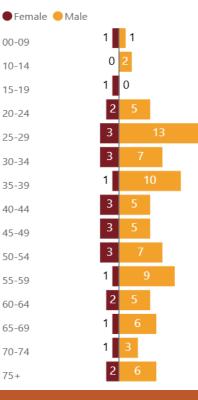


\*\*Note: Crashes involving pedestrian and bicyclist with less severe injuries may be under-reported.

#### Drivers of Unit 2-6 by Age and Gender



#### Ped and Bike by Age and Gender



Fatal Collisions 254

2023 Phoenix Traffic Collision Summary

Drivers of Unit 1 by Age and Gender

8

2

2

3

Female Male

15-19

20-24

25-29

30-34

35-39

40-44

45-49

50-54

55-59

60-64

65-69

70-74

75+



## **Community Engagement**

#### Annual Collision Trends



#### When Do Collisions Occur



#### Where Do Collisions Occur



#### **How Do Collisions Occur**



#### **Motorcyclist Collisions**



#### **Pedestrian Collisions**

**Bicycle Collisions** 

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#### Mode City of Phoenix official website City of Phoenix Search Phoenix.gov Q ∃ Menu (n) > Administration > City Departments > Street Transportation > Safety Improvements > Road Safety Action Plan Department Menu **Road Safety Action Plan** Understanding the importance of safety as a core function, Phoenix has invested in a comprehensive Road Safety Action Plan (RSAP) to further existing efforts. In January 2022, the Phoenix City Council approved incorporating the goals of Vision Zero into the Road Safety Action Plan. The RSAP includes a method for evaluating data and determines a High Injury Network (HIN) that ZERQQ identifies problem locations and prioritizes solutions, providing a framework and key strategies for safety enhancements Citywide. Get Your Vision Zero Yard Sign $\rightarrow$ Take the Speed Limit Setting Survey 📝 ON THIS PAGE .... City Council Approval 🕹 2022-2023 Annual Report Vision Zero Community Advisory Committee ↓ The Five E's of Traffic Safety ↓ Safety Videos Community Engagement Virtual Public Meetings and Updates

Community engagement is integral to the formation of an actionable plan. The input of those who travel Phoenix's roadways, whether driving, walking or biking, is key to making streets safer for everyone.

## **Road Safety Action Plan Resources**

Roadway Safety Action Plan (RSAP)

Phoenix High Injury Network (HIN)

Road Safety Action Plan FAQ

Phase 1 - Public Involvement Summary Report

Phase 2 - Public Involvement Summary Report

Click on Links for More Information









#### When Do Collisions Occur



#### Where Do Collisions Occur



#### How Do Collisions Occur



#### **Motorcyclist Collisions**

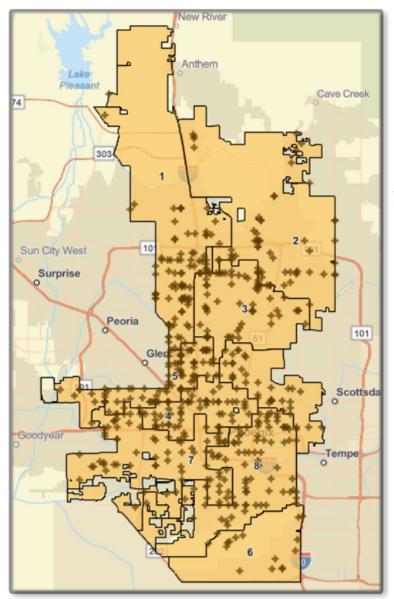


#### **Pedestrian Collisions**

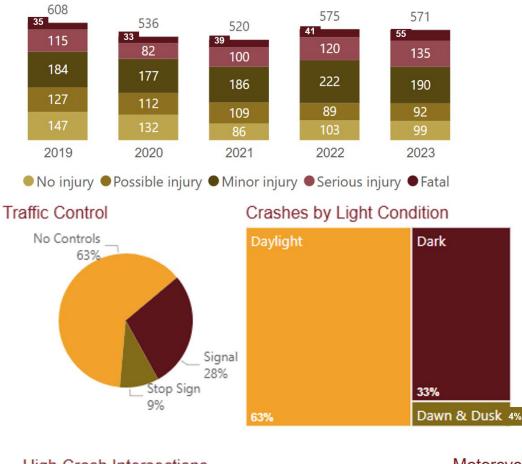




## Motorcyclist Collisions



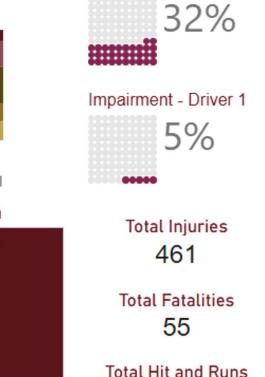
#### Total Collisions by Injury Severity



#### High Crash Intersections

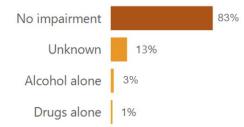


#### Speeding



## 72

#### Motorcyclist Impairment



Motorcycle Collisions 571

**2023 Phoenix Traffic Collision Summary** 





#### When Do Collisions Occur



#### Where Do Collisions Occur



#### **How Do Collisions Occur**



#### **Motorcyclist Collisions**

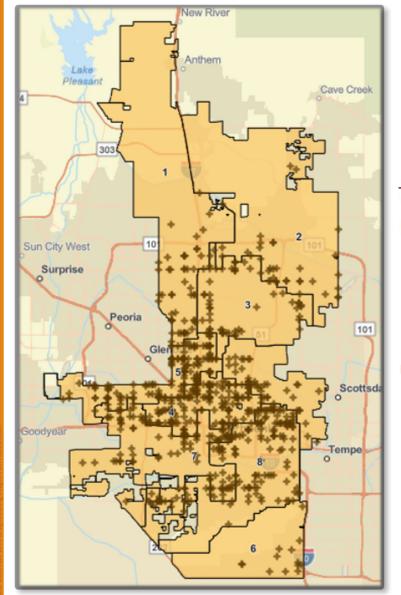


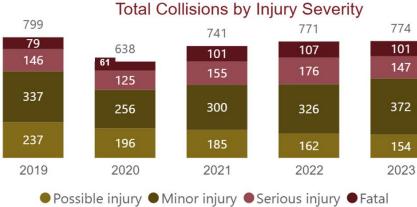
#### **Pedestrian Collisions**





## **Pedestrian Collisions**



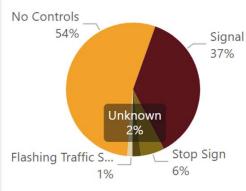


Dark

49%

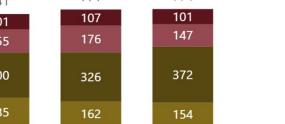
48%

#### **Traffic Control**



#### **High Crash Intersections**





Crashes by Light Condition

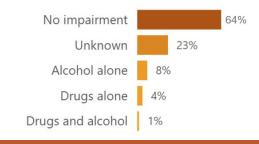


Speeding

# 2%



#### Pedestrian Impairment



**Pedestrian Collisions** 774

#### **2023 Phoenix Traffic Collision Summary**





#### When Do Collisions Occur



#### Where Do Collisions Occur



**How Do Collisions Occur** 



**Motorcyclist Collisions** 



**Pedestrian Collisions** 



**Bicycle Collisions** 

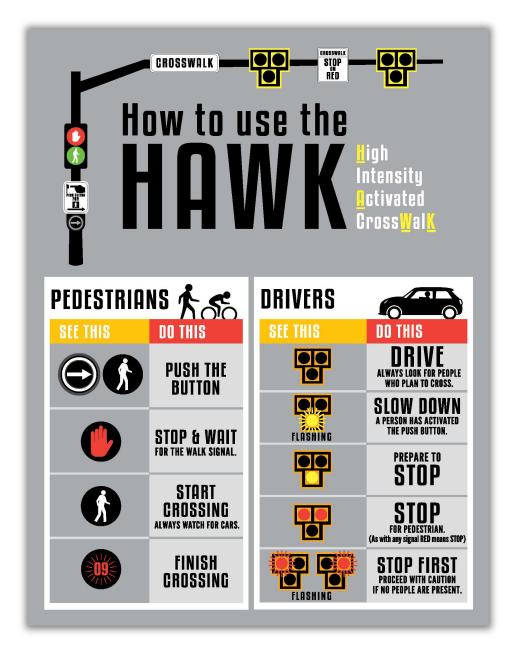


## HAWK Pedestrian Signals

Phoenix uses the High Intensity Activated CrossWalK (HAWK) beacon signal as a tool to help make it easier and safer for people to cross busy streets. Phoenix has been installing HAWK signals since 2009 after they were approved by the Federal Highway Administration.

Click Below for Interactive Map





Total Hawk Signals 87 (thru 2023)









#### When Do Collisions Occur



#### Where Do Collisions Occur



**How Do Collisions Occur** 



#### **Motorcyclist Collisions**



The Hawk Signal at 3<sup>rd</sup> St and Oak St was Activated in March

**Pedestrian Collisions** 



**Bicycle Collisions** 



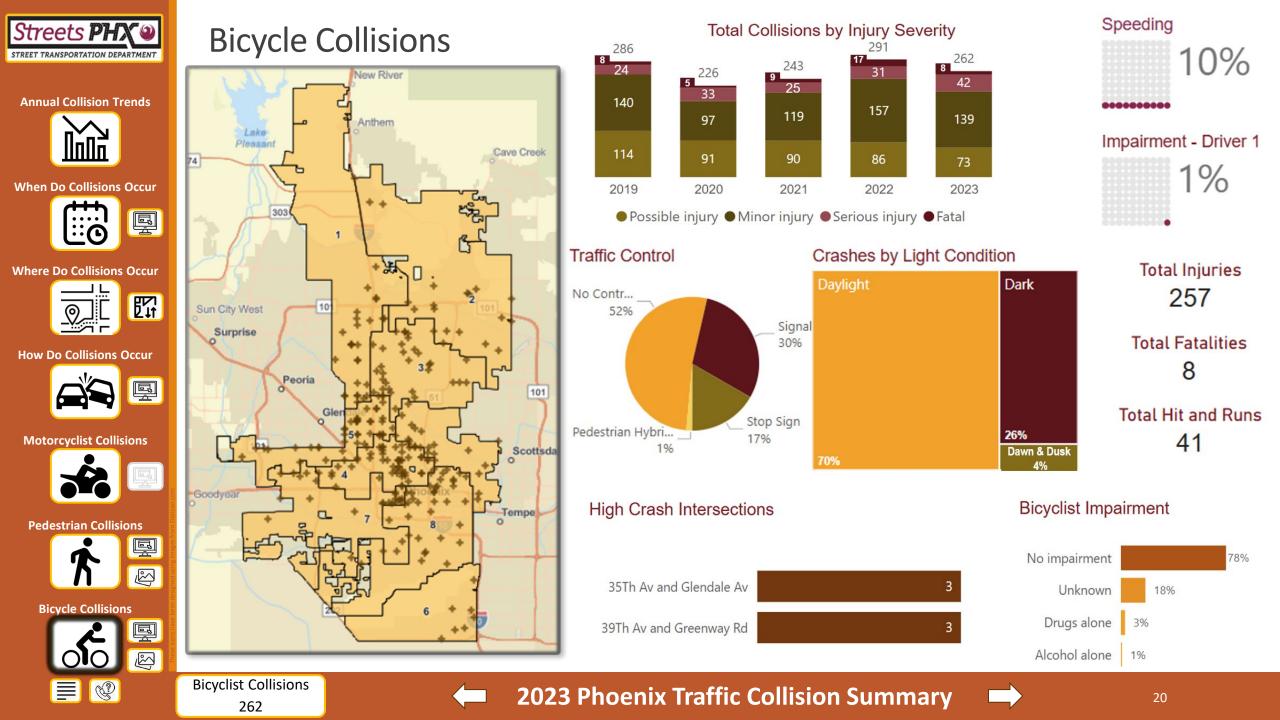
## HAWK Pedestrian Signals Activated in 2023

- 2750 E Shea Blvd
- 27<sup>th</sup> Dr and Van Buren St
- 29<sup>th</sup> Av and Van Buren St
- 41<sup>st</sup> Av and Thomas Rd
- 3<sup>rd</sup> St and Oak St











## **Bicycle Safety Education**

Search Phoenix.gov

#### Annual Collision Trends



#### When Do Collisions Occur



#### Where Do Collisions Occur



#### **How Do Collisions Occur**



#### **Motorcyclist Collisions**



#### **Pedestrian Collisions**

**Bicycle Collisions** 

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#### Residents City Administration Rusinesses Explore Phoenix > Administration Street Transportation Requests and Services **Active Transportation Program** Street Transportation Overview Active transportation is walking, bicycling, using a small wheeled Requests and Services vehicle, or a mobility device. It includes e-scooters and other types Active Transportation of lightweight, electric vehicles. The Active Transportation **Business Related Requests** Program works to create a connected, enjoyable, equitable, and Maps safe infrastructure network for everyone in Phoenix. **Neighborhood Traffic Programs and** Services Read the Active Transportation Plan Parking Special Permits and Maintenance Agreement Information Improvement Requests **Maintenance Requests Temporary Residential Requests Title VI and ADA Requests** nitiatives Active Transportation Resource Website

https://www.phoenix.gov/administration/departments/streets/reg uests-services/active-transportation.html

Active transportation is defined as walking, bicycling, using a small wheeled vehicle, or a mobility device. It includes e-scooters and other new types of lightweight, electric vehicles. In 2019, the City of Phoenix decided to start using the term "active transportation" to include all of these wonderful ways of getting around our streets. Using a general term also helps us talk about how multi-use paths and HAWKs (pedestrian hybrid beacons) serve people walking, bicycling, or using mobility devices and small wheeled vehicles.



**Total Bike Lane Miles** 1,194

City of Phoenix official website

**City of Phoenix** 



Make a Payment 2 Report an Issue 2 Public Records City Careers

News

Mode

Calendar

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ACTIVE TRANSPORTATION

STREET TRANSPORTATION DEPARTMEN

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## **Projects and Studies**

Annual Collision Trends



When Do Collisions Occur

Welcome to the Projects and Studies page!



Where Do Collisions Occur



**How Do Collisions Occur** 



**Motorcyclist Collisions** 

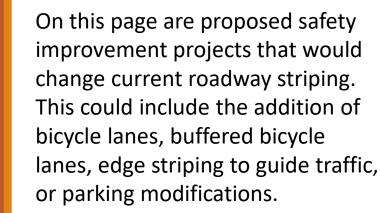


**Pedestrian Collisions** 

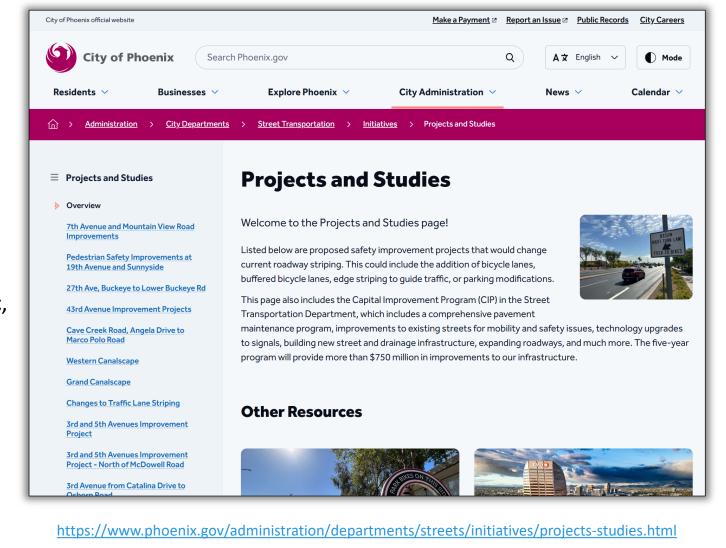


**Bicycle Collisions** 









Total Bike Lane Miles 1,194





#### When Do Collisions Occur



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Motorcyclist Collisions



**Pedestrian Collisions** 



Bicycle Collisions



# Acknowledgements

The 2023 City of Phoenix Traffic Collision Summary documents the collisions in the City of Phoenix throughout the 2023 calendar year. Collision data utilized for this report was acquired through Phoenix Police records and the database maintained by the Arizona Department of Transportation (ADOT) known as Safety Data Mart (SDM). The 2023 Traffic Collision Summary was prepared by Traffic Safety Section staff Jacob Martinez (Chief Engineering Technician).

The SDM database includes motor vehicle crashes that occurred on public right of way where someone was injured, killed or property damage exceeded \$2,000.

The cover graphic of the Phoenix road network is courtesy of the ISS Crew Earth Observations experiment and Image Science & Analysis Laboratory, Johnson Space Center. Other photographs featured in this summary were taken by various employees or consultants of the City of Phoenix Street Transportation Department.

This publication can be made available in an alternative format upon request. Contact the Street Transportation Department at 602-262-6284 if you would like any of these services. Our TTY phone number is 711.









#### When Do Collisions Occur



#### Where Do Collisions Occur



#### **How Do Collisions Occur**



**Motorcyclist Collisions** 



#### **Pedestrian Collisions**



**Bicycle Collisions** 



## **Questions?**

## Please contact Street Transportation Department at 602-262-6284 or TTY 711

## Active Transportation Program: 602-534-0258 bike@phoenix.gov

Pavement Maintenance Program: 623-825-3444 pavement@phoenix.gov

Office of Roadway Safety: 602-256-3319 RoadSafety@phoenix.gov Office of Pedestrian Safety: 602-316-8879 School.Safety@phoenix.gov

Be Safe!



