2021 Comprehensive Traffic Collision Summary



2021 COMPREHENSIVE TRAFFIC COLLISION SUMMARY

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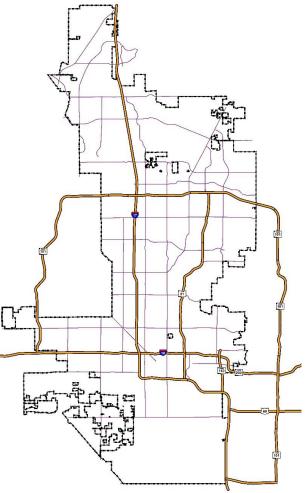
<u>lome</u> 2021 COMPREHENSIVE TRAFFIC COLLISION SUMMARY

City of Phoenix STREET TRANSPORTATION DEPARTMENT This is an overview of the crash data for the City of Phoenix during 2021:

2021 Facts-at-a-Glance

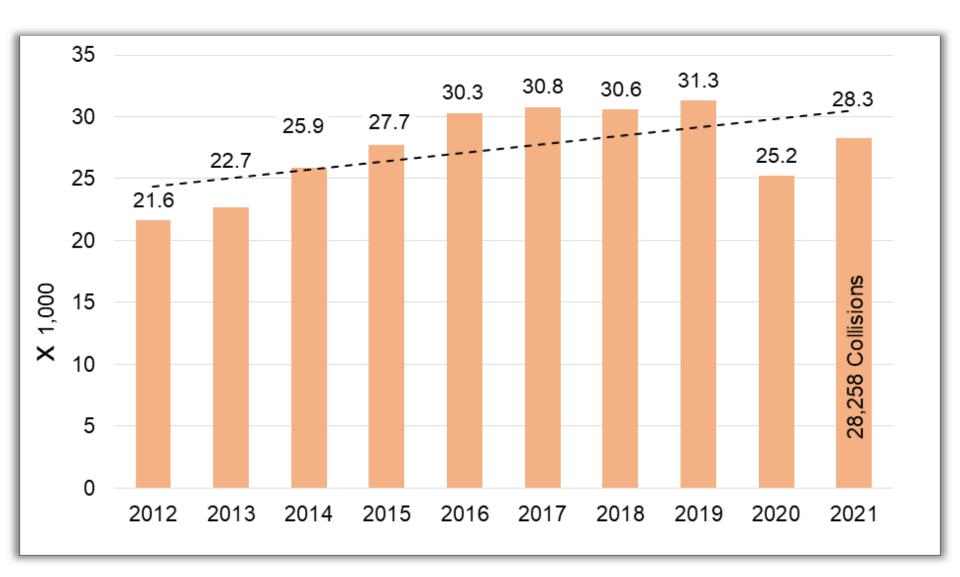
- 28,258 total collisions resulting in 10,749 injuries and 253 fatalities.
- 79% of all crashes were either rear end, left turn, angle or single vehicle.
- 641 total Pedestrian collisions resulting in 548 injury collisions and 93 fatal collisions.

It must be noted that data from 2020 and 2021 may not show an accurate account of trends due to the unusual societal factors affecting roadway user behavior during this time.





Annual Collision Trends

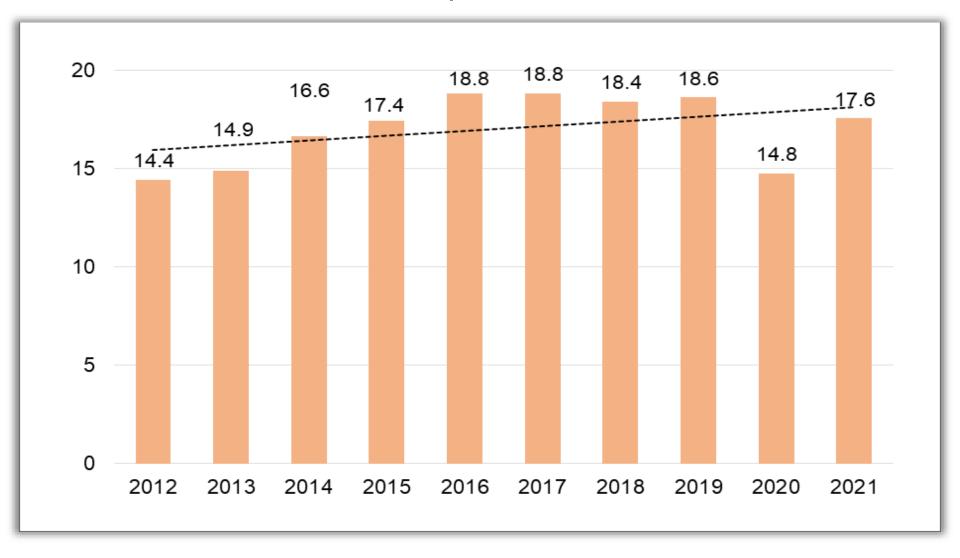


Note: Data from 2020 and 2021 may not show an accurate account of trends due to the unusual societal factors affecting roadway user behavior during this time.



Annual Collision Trends <u>Home</u> 2021 COMPREHENSIVE TRAFFIC COLLISION SUMMARY

Annual Collision per 1,000 Residents

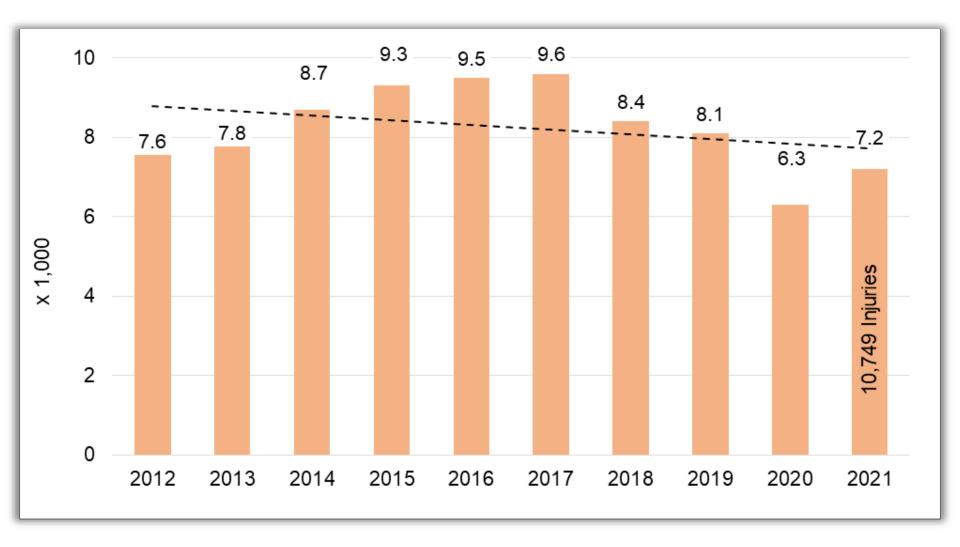


Census Data: https://www.azmag.gov/Programs/Maps-and-Data/Community-Profiles

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City of Phoenix STREET TRANSPORTATION DEPARTMENT

Annual Injury Collisions



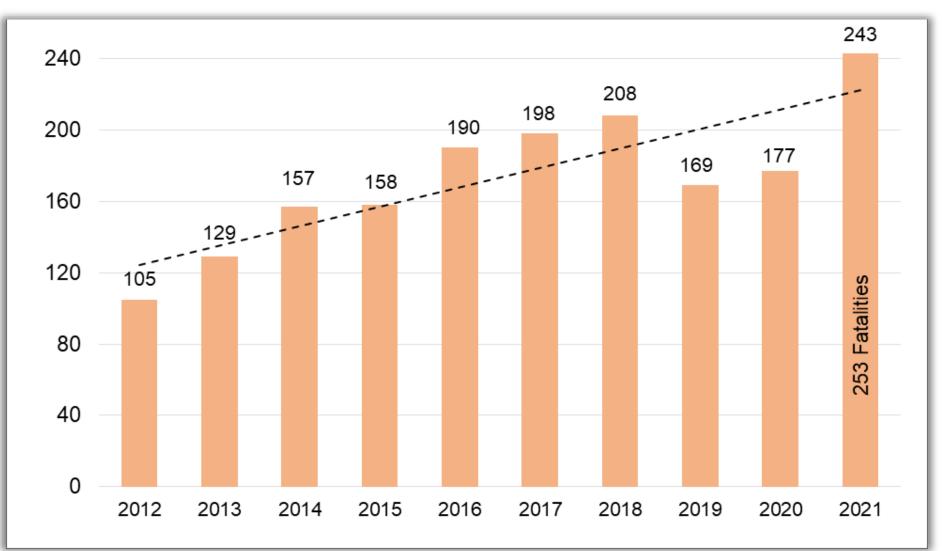
Note: Some collisions result in multiple injuries

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City of Phoenix STREET TRANSPORTATION DEPARTMENT

Annual Fatal Collisions



Note: Some collisions result in multiple fatalities

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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 traffic, bicycle, and pedestrian safety issues and programs:

Roadway Safety Action Plan (RSAP)

Head's Up! Campaign

Pedestrian Safety Activity Book (English)

Libro de Actividad Sobre Seguridad Peatonal

<u>(Español)</u>

🕙 City o	f Phoenix				
	Search			Q	
myPHX311	PHX Pay Online	Map It	Find Public Records	PHX Newsroom	Translate

The Street Transportation Department is dedicated to providing safe movement of vehicles, bicycles, and pedestrians throughout the City. Staff assists and educates residents on a variety of traffic safety issues. Below are links to information on traffic, bicycle, and pedestrian safety issues and programs:

Head's Up! Campaign	Head's Up! Campaign > Pedestrian Safety Activity Book (English) >					
Pedestrian Safety Activity I						
Libro de Actividad Sobre S	eguridad Peatonal (Español)	>				
Traffic Safety Speed Limit Speed Humps Stop Signs Traffic Signals Your Guide to Traffic Circles and Roundabouts (PDF) Collision Summary - Motorcycle (PDF) Collision Summary - Traffic (Published May 2022) Bicycle Safety Bicycle Master Plan Bicycle Program League of American Bicyclisty' Smart Cycling	Scan the Street for Wheels and Feet Alway : Watch on Vulue Stop on red!	Examples of safety devices and markings can be found almost everywhere you look within the City of Phoenix				





Community Engagement





Phoenix Vision Zero Road Safety Action Plan

Vision Zero Community Advisory Committee

Vision Zero Community Advisory Committee

2024 Community Advisory Committee Meetings Schedule:

- Schedule: April 18, June 20, August 15, October 17, December 12
- Meetings are held in-person and virtually at 5 p.m., in Phoenix City Council Chambers, 200 W. Jefferson St.
- The meeting agenda, which includes instructions about how to participate virtually via Webex or by phone, will be posted on the **Public Meeting Notices** webpage in advance of each meeting.

Community Advisory Committee Past Meetings Schedule:

- April 20, 2023 Watch a video recording
- June 21, 2023 Watch a video recording
- August 17, 2023 Video recording not available
- October 19, 2023 Watch a video recording
- December 14, 2023 Watch a video recording
- February 15, 2024 Watch a video recording

Safety Videos

Watch the "Scan the Street for Wheels and Feet" safety video series

Intersections (English)



Intersections (Spanish)



Click to Visit

Community Engagement

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



Read a Phase 1 summary report

Phase 2 of community engagement ran from June through August 2022, during which residents were asked to 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.

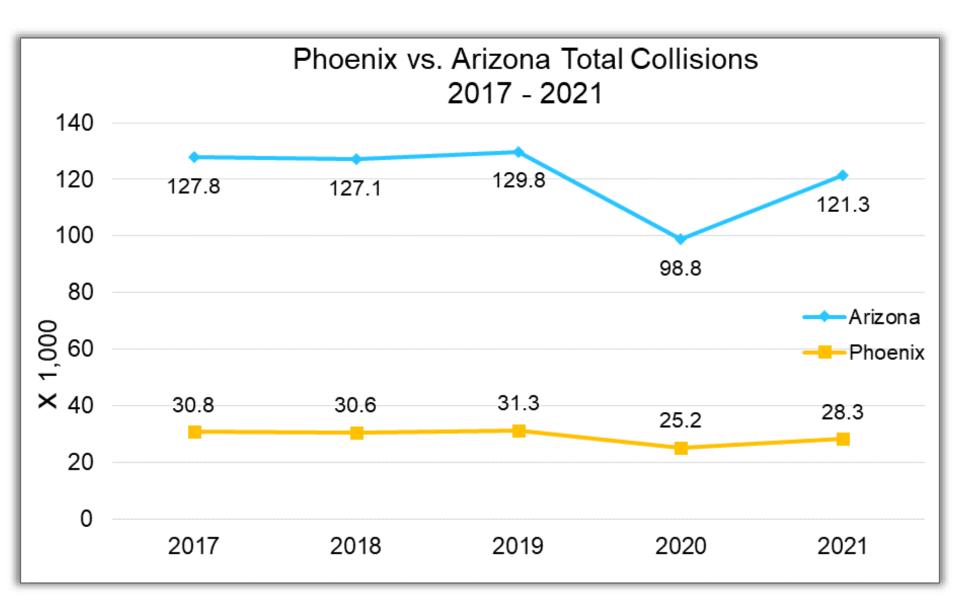
Road Safety Action Plan Resources

Speed Limit Changes and StudiesYellow Light Timing Field StudyPhoenix High Injury Network (HIN)Road Safety Action Plan FAQPhase 1 - Public Involvement Summary ReportPhase 2 - Public Involvement Summary Report



2021 COMPREHENSIVE TRAFFIC COLLISION SUMMARY

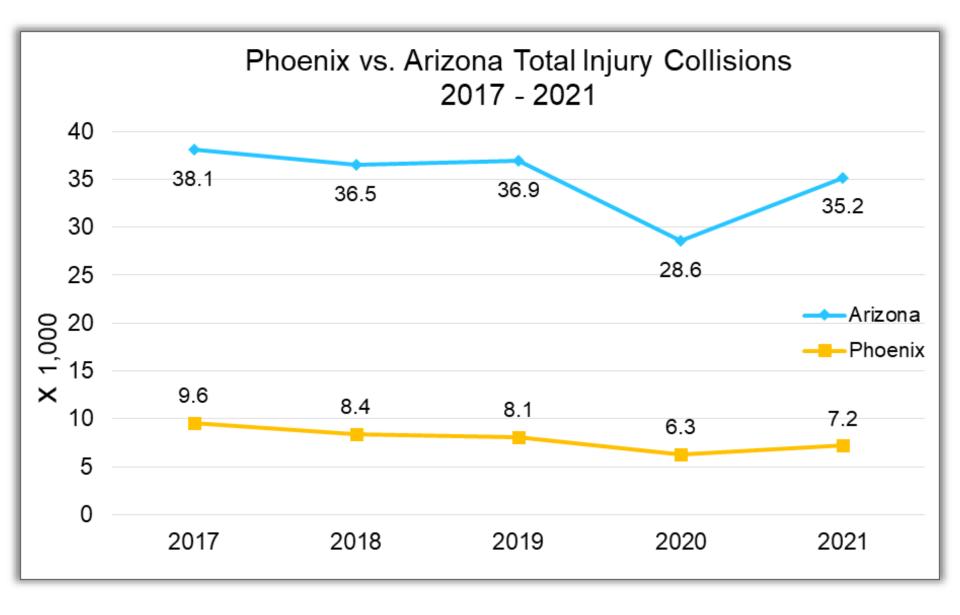
Annual Collision Trends



Note: Arizona data comes from the 2021 Arizona Crash Facts Summary (ADOT)

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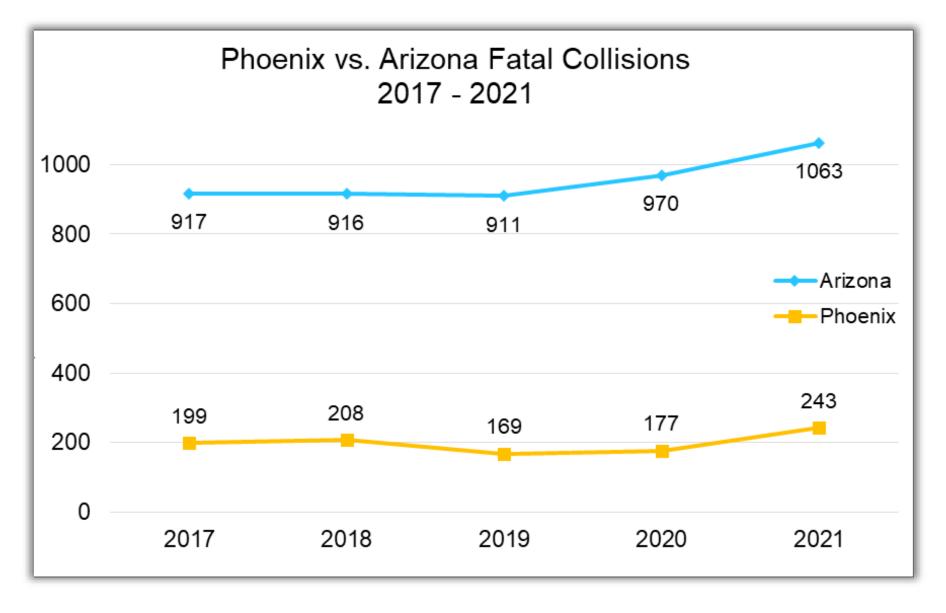




Note: Arizona data comes from the 2021 Arizona Crash Facts Summary (ADOT)

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City of Phoenix

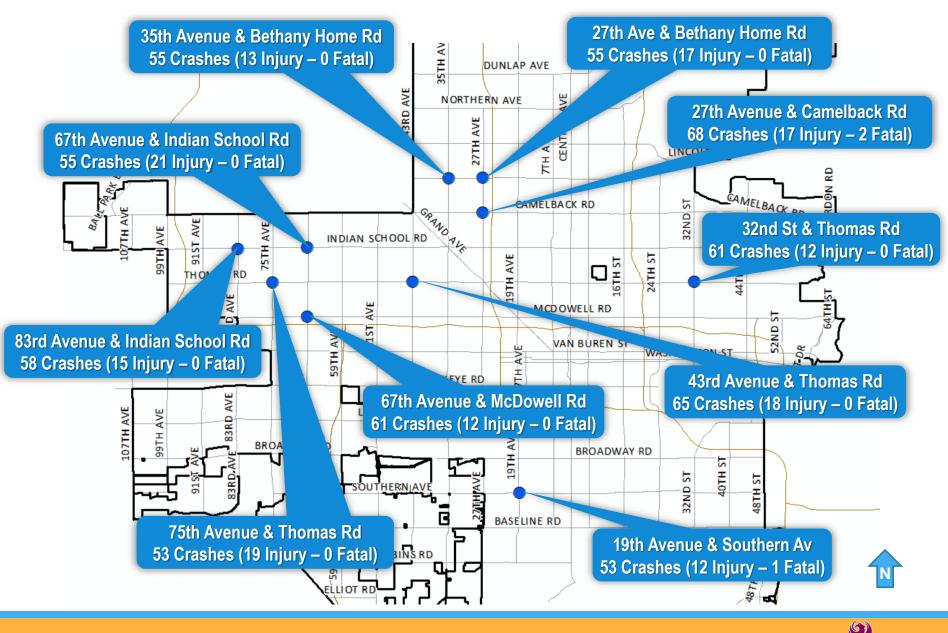


Note: Arizona data comes from the 2021 Arizona Crash Facts Summary (ADOT)



City of Phoenix

Locations with the Highest Number of Collisions 2021

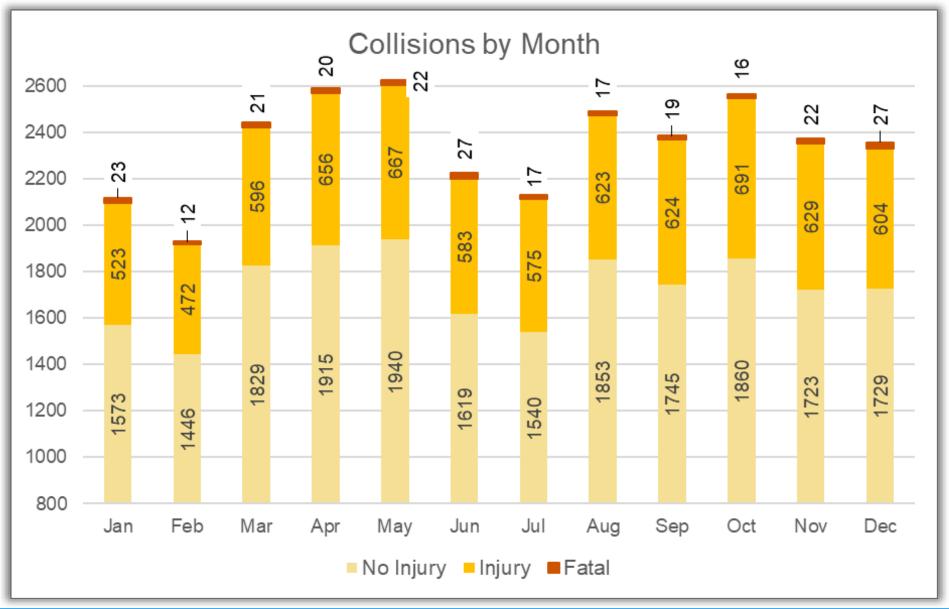


Annual Collision Trends

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City of Phoenix

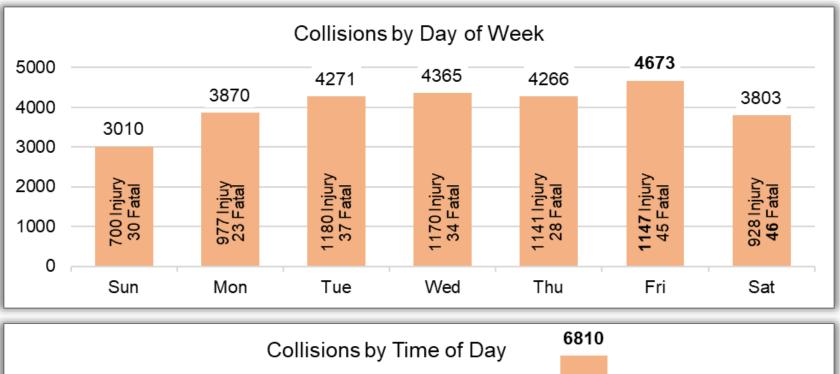
When do Collisions Occur

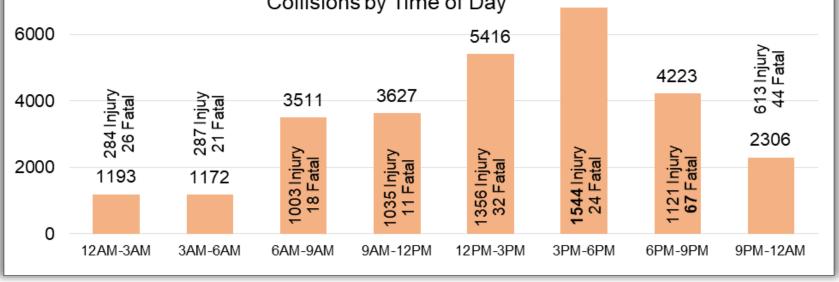


When Do Collisions Occur <u>Home</u> 2021 COMPREHENSIVE TRAFFIC COLLISION SUMMARY

City of Phoenix STREET TRANSPORTATION DEPARTMENT

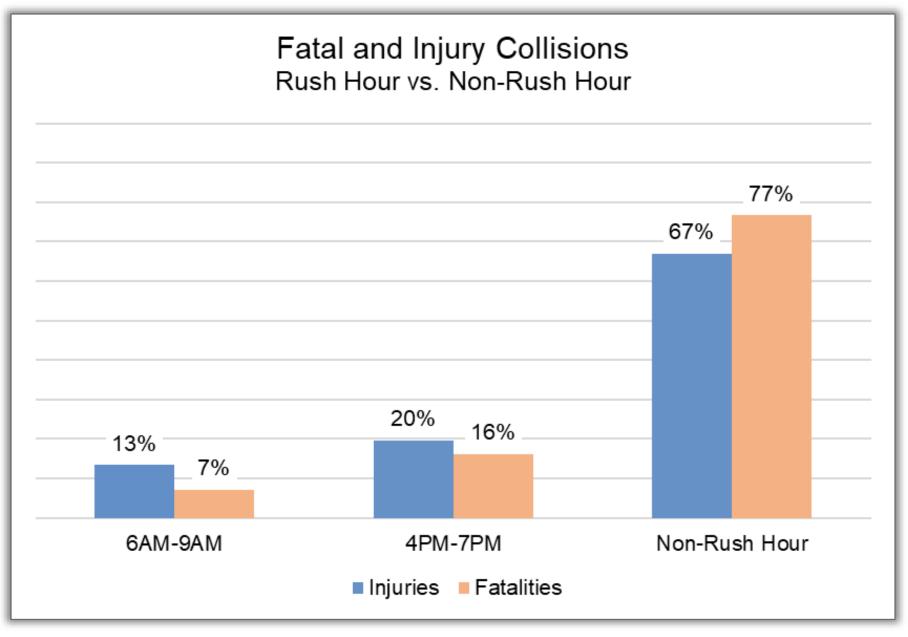
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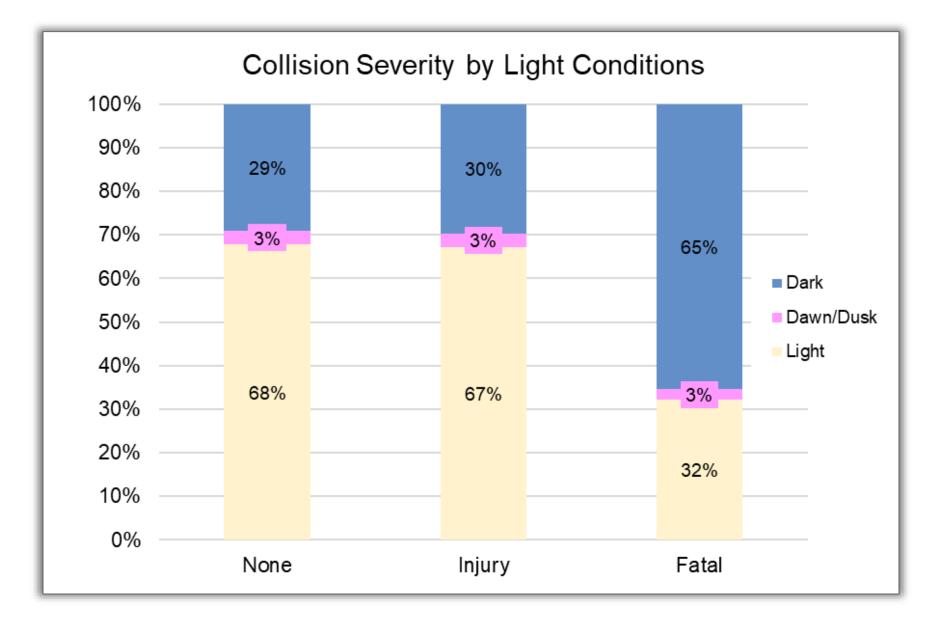
When Do Collisions Occur



Note: Rush Hour related incidents accounted for 33% of total injuries and 23% of total fatalities

When Do Collisions Occur <u>Home</u> 2021 COMPREHENSIVE TRAFFIC COLLISION SUMMARY

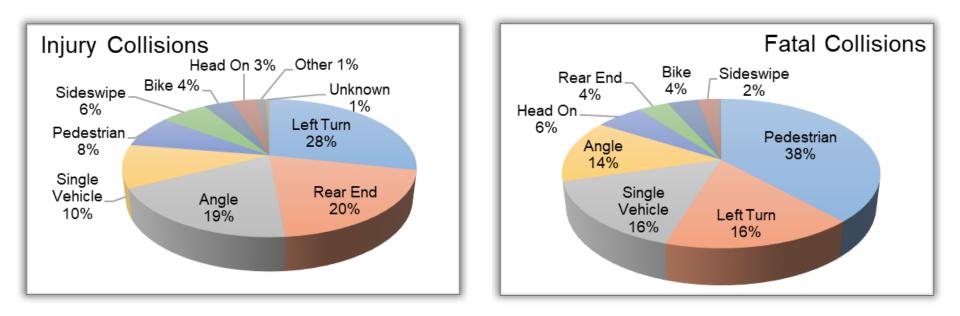






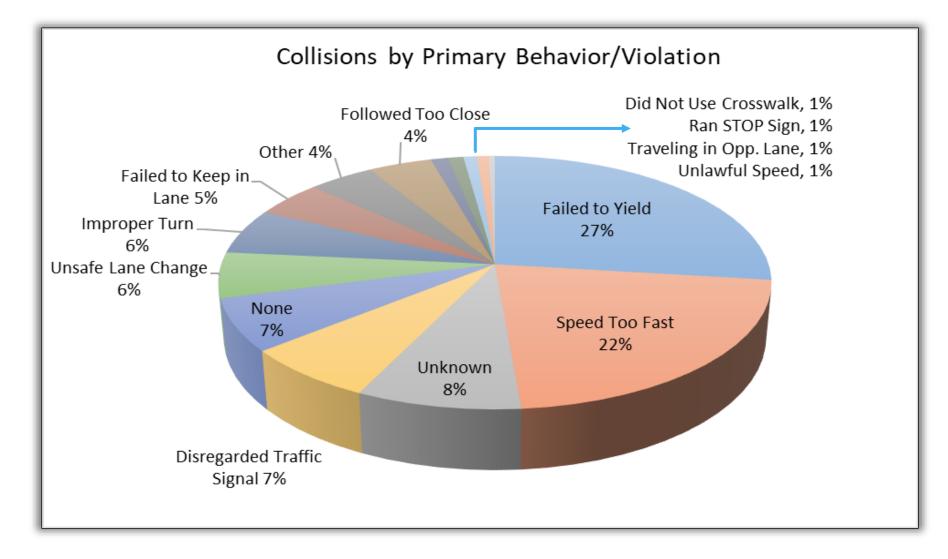
When Do Collisions Occur Home 2021 COMPREHENSIVE TRAFFIC COLLISION SUMMARY

All Collisions **Collision Type** Head On 2% Other 2% Bike 1% Pedestrian. 2% Left Turn Sideswipe 24% 14% Single Vehicle Rear End 15% 23% Angle 17%





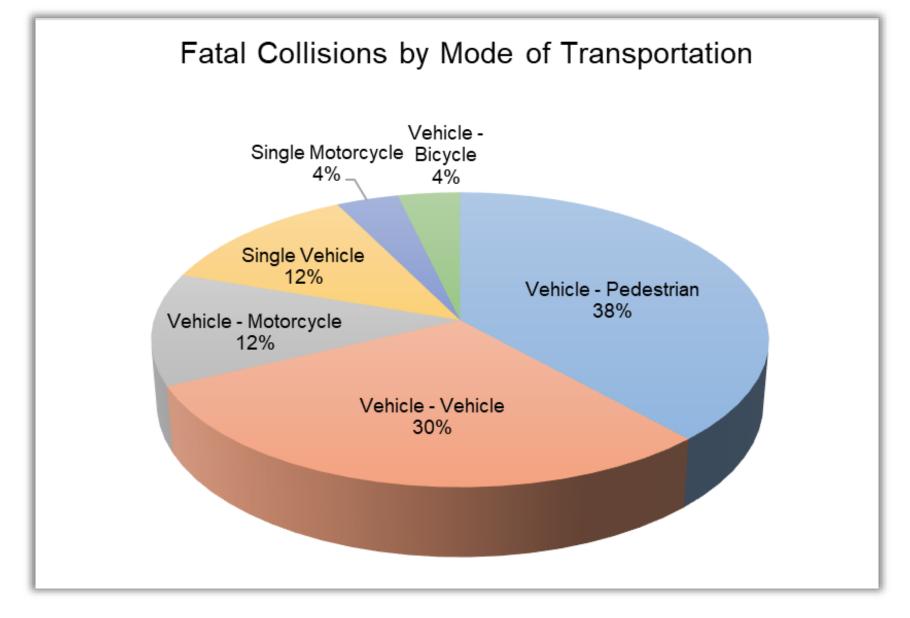
How Do Collisions Occur Home 2021 COMPREHENSIVE TRAFFIC COLLISION SUMMARY



- 1 "Speed Too Fast" does not necessarily mean the person was exceeding the speed limit but rather the person was traveling too fast for the conditions at the time.
- 2 "Unknown" includes leaving the scene, conflicting statements without witnesses, incapacitated persons.
- 3 "Other" includes less common violations such as Disregarded Pavement Markings, Missing/Faulty Equipment.

4 – "None" refers to drivers involved in a crash without committing a violation. These instances are usually the result of uncontrollable forces such as falling objects, debris or animals in the roadway.

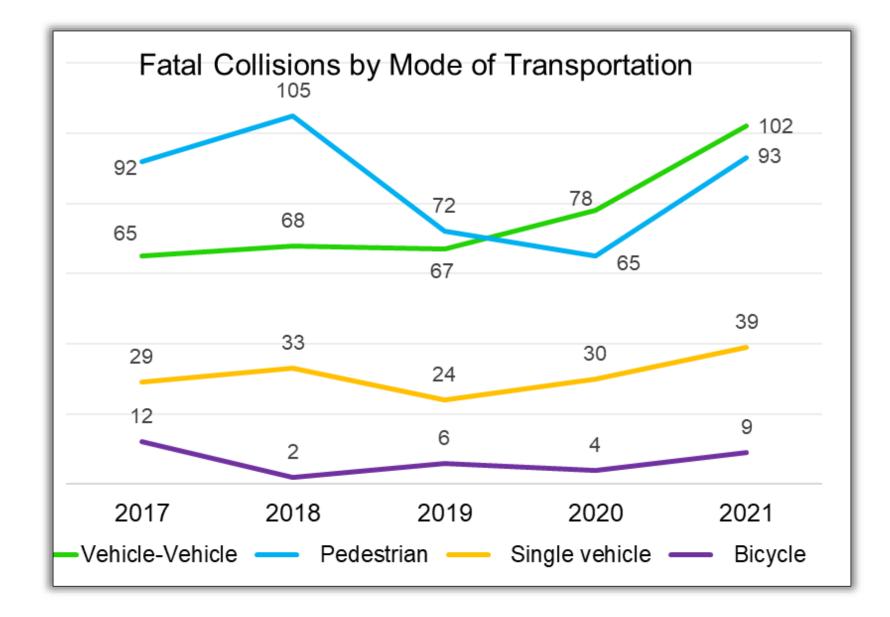




Note: 243 Total Fatal Collision Incidents

How Do Collisions Occur <u>Home</u> 2021 COMPREHENSIVE TRAFFIC COLLISION SUMMARY



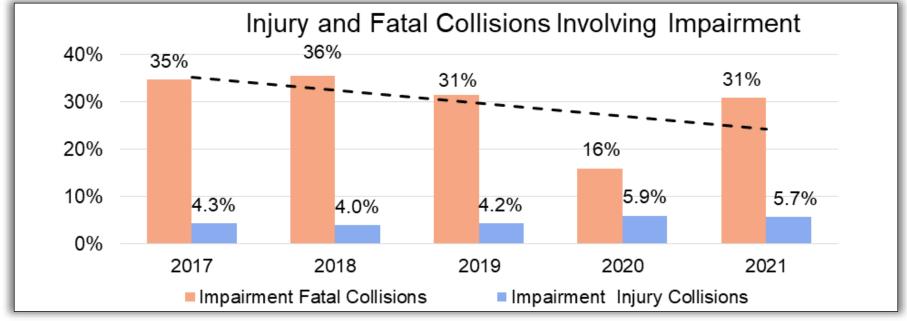




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How Do Collisions Occur <u>Home</u> 2021 COMPREHENSIVE TRAFFIC COLLISION SUMMARY

Collisions Involving Impairment 6% 4% 3% 3% 2% 0% 2017 2018 2019 2020 2021

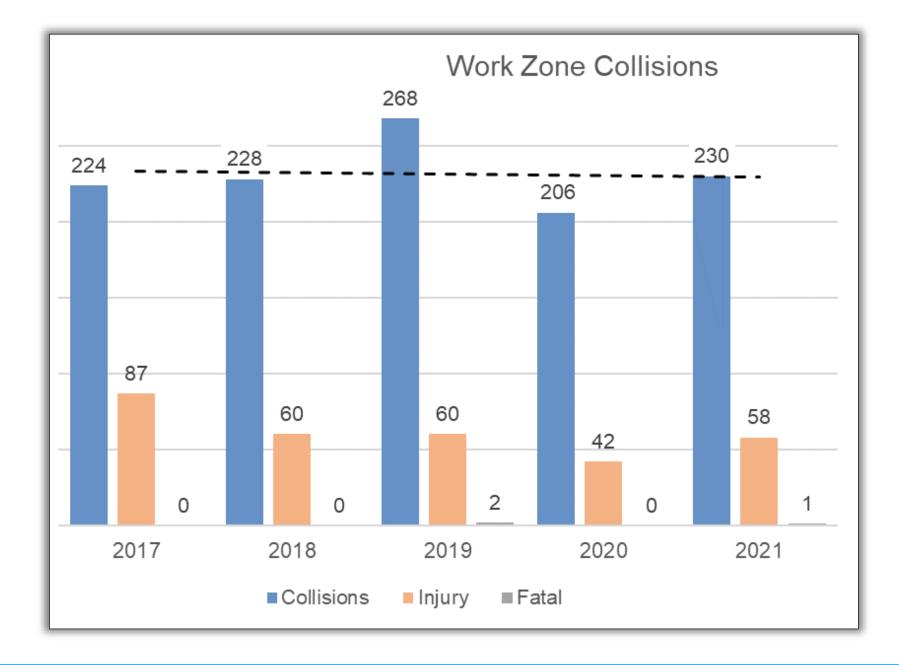


City of Phoenix

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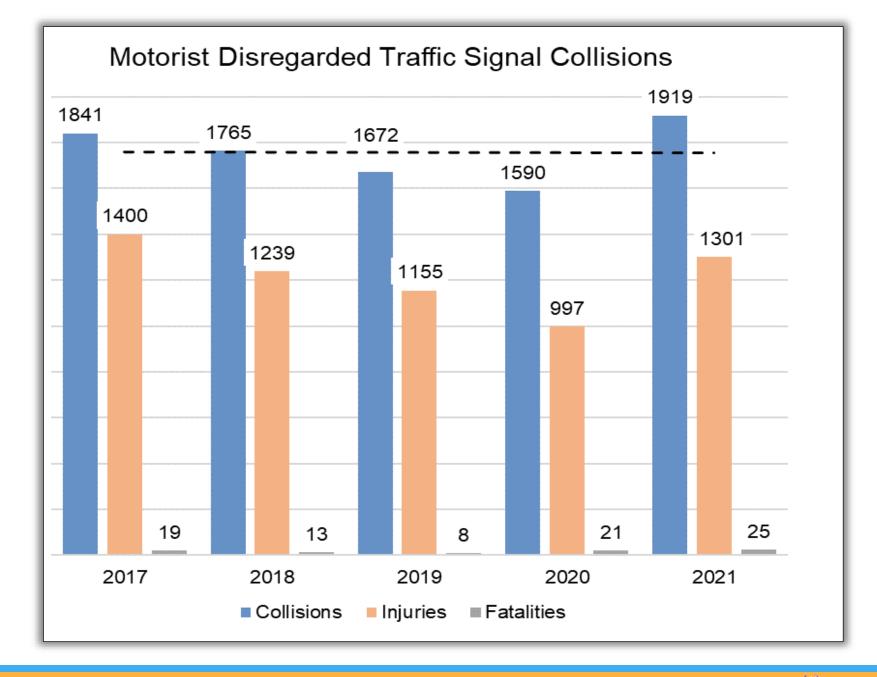
Cour Home 2021 COMPREHENSIVE TRAFFIC COLLISION SUMMARY

How Do Collisions Occur





How Do Collisions Occur Home 2021 COMPREHENSIVE TRAFFIC COLLISION SUMMARY



Motorist Disregarded Traffic Signal Collisions

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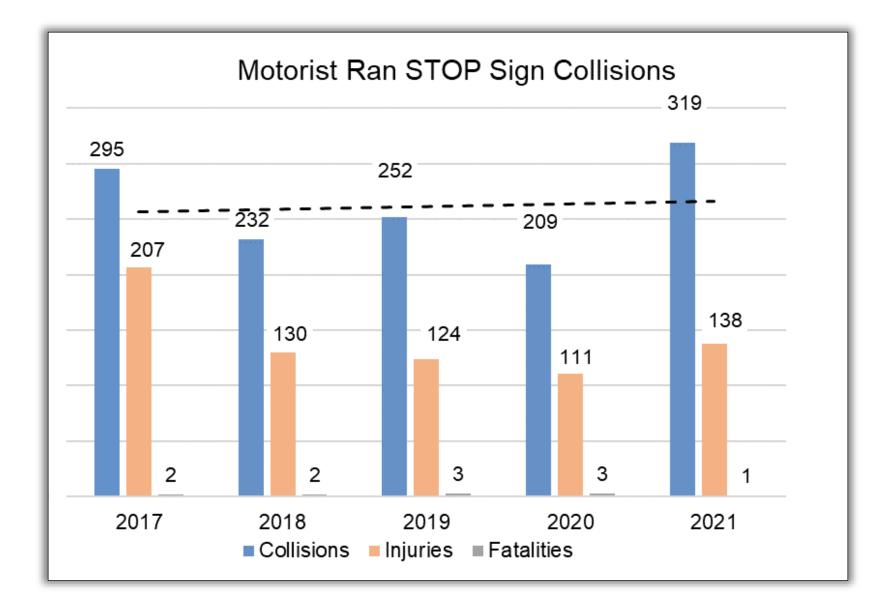


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Intersection	Total	Total	Total	Locations with the Highest Number of Motorist
	Collisions	-	Fatalities	Disregarded Traffic Signal Collisions
43rd Av & Glendale Av	9	8	0	
75th Av & Thomas Rd	8	6	0	
43rd Av & Peoria Av	8	8	0	
40th St & Thomas Rd	7	8	0	
43rd Av & Camelback Rd	7	5	0	
51st Av & Thunderbird Rd		8	0	
7th Av & Buckeye Rd	7	7	0	
7th Av & Broadway Rd	7	6	0	
44th St & Washington St	7	2	0	51ST AV & THUNDERBIRD RD
51st Av & McDowell Rd	7	1	0	
19th Av & Adams St	7	11	0	
19th Av & Northern Av	7	2	0	43RD AV & PEORIA AV
16th St & Broadway Rd	7	3	0	
				43RD AV & GLENDALE AV 43RD AV & CAMELBACK RD 43RD AV & CAMELBACK RD 76TH AV & THOMAS RD 51ST AV & MCDOWELL RD 19TH AV & ADAMS ST 19TH AV & ADAMS ST 7.TH AV & BUC KEYE RD 7.TH AV & BUC KEYE RD 7.TH AV & BROADWAY, RD 10TH ST & BROADWAY, RD 10TH ST & BROADWAY, RD

Motorist Disregarded Traffic Signal Collisions





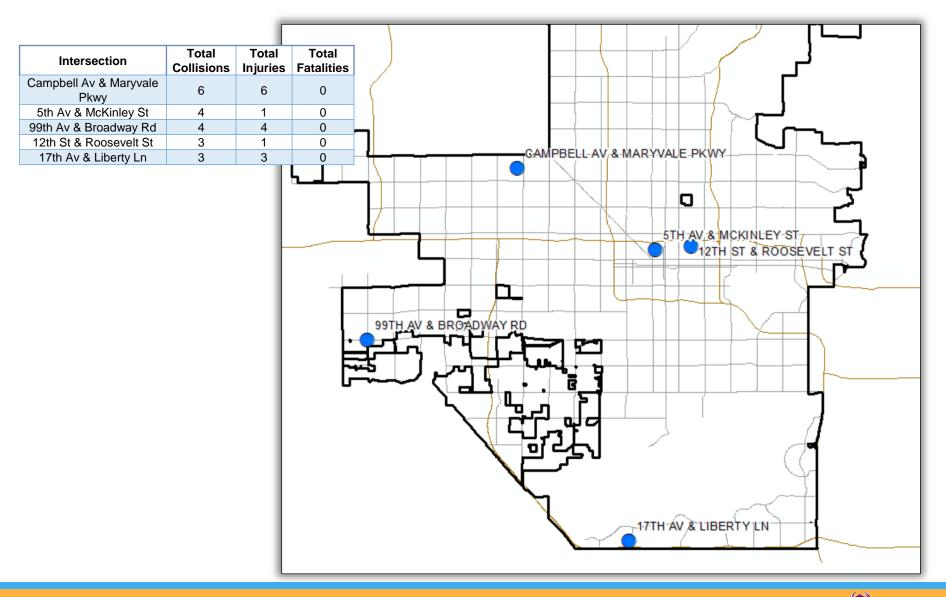


Motorist Ran STOP Sign Home

Collisions

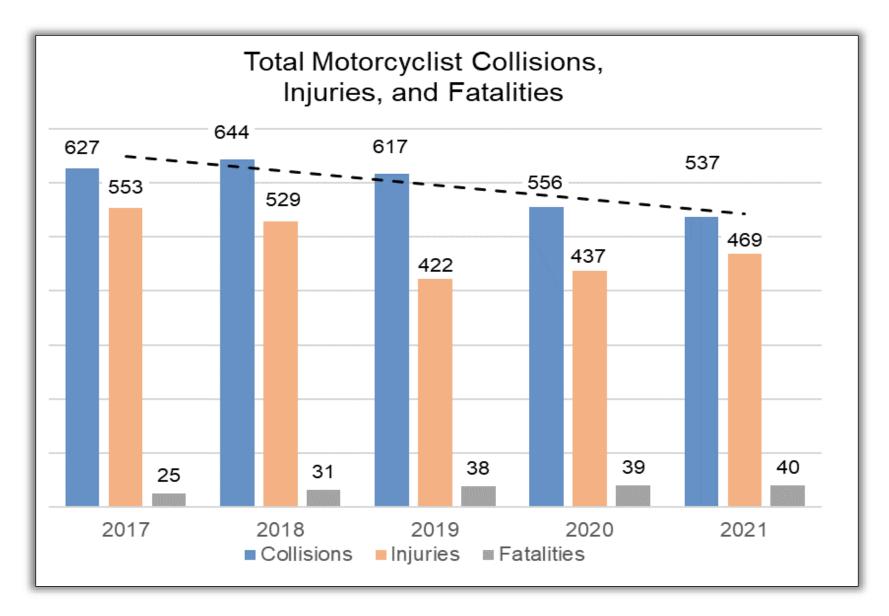
2021 COMPREHENSIVE TRAFFIC COLLISION SUMMARY

Locations with the Highest Number of Motorist Run STOP Sign Collisions



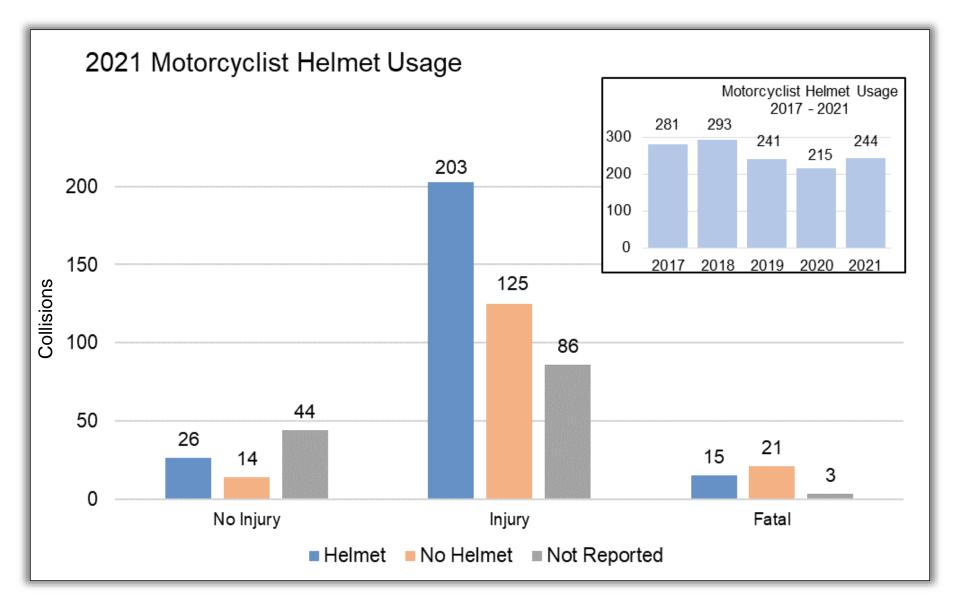
Motorist Ran STOP Sign Collisions





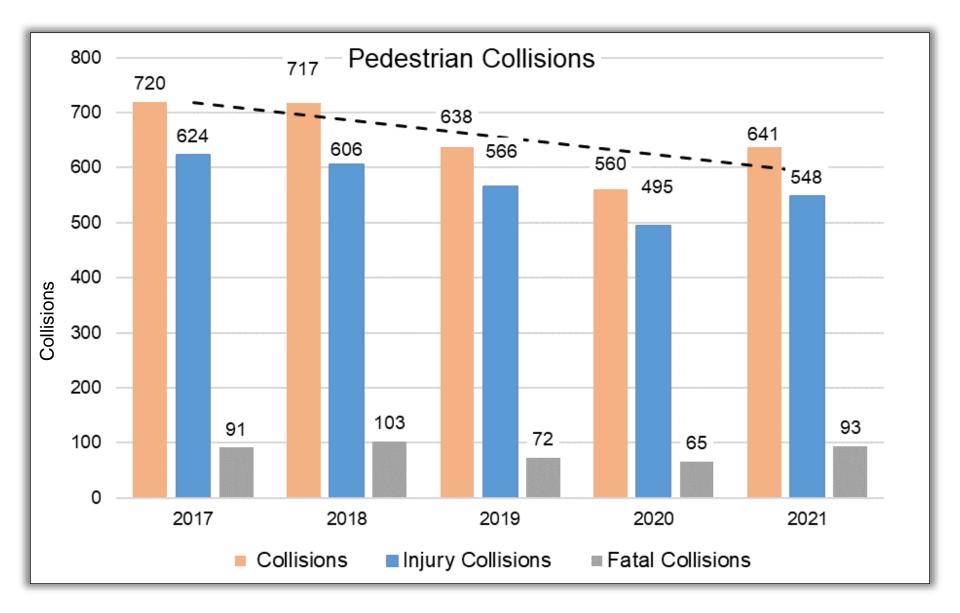
Note: One of 39 fatal incidents in 2021 resulted in two fatalities





Note: One of 39 fatal incidents in 2021 resulted in two fatalities







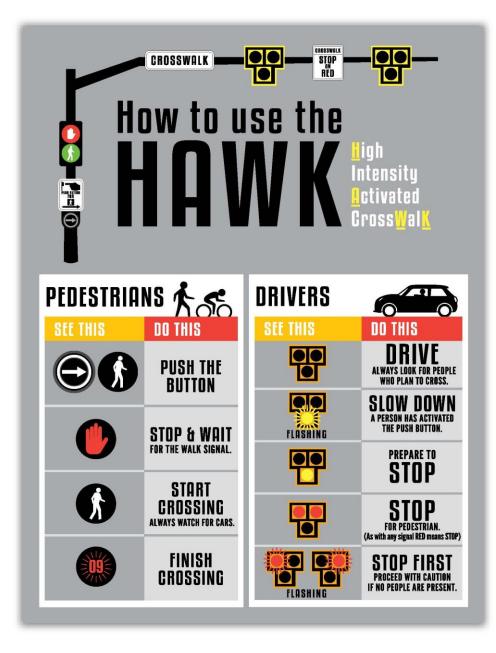
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Pedestrian Collisions

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 without impeding traffic. Phoenix has been installing HAWK signals since 2009 after they were approved by the Federal Highway Administration.





Pedestrian Collisions

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HAWK Pedestrian Signals Activated in 2021

- 8025 South 7th Street
- 3rd Avenue and Latham Street
- 1215 S. 7th Avenue



The Hawk Signal at 8025 South 7th Street (Highline Canal) was Activated in January



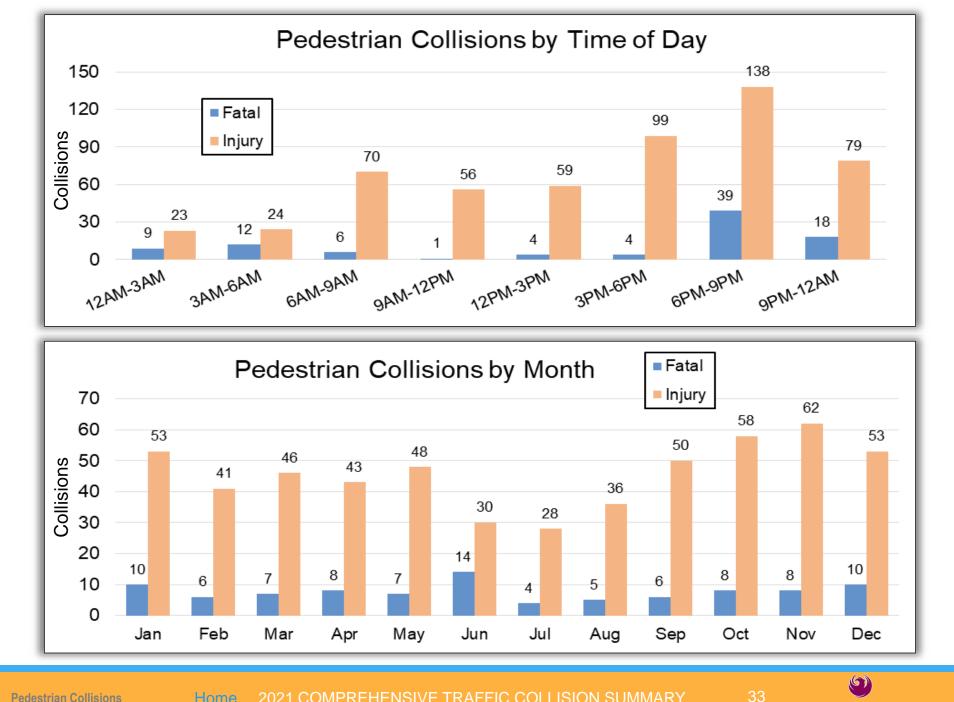
The Hawk Signal at 3rd Avenue and Latham Street was Activated in June



The Hawk Signal at 1215 South 7th Avenue was Activated in October

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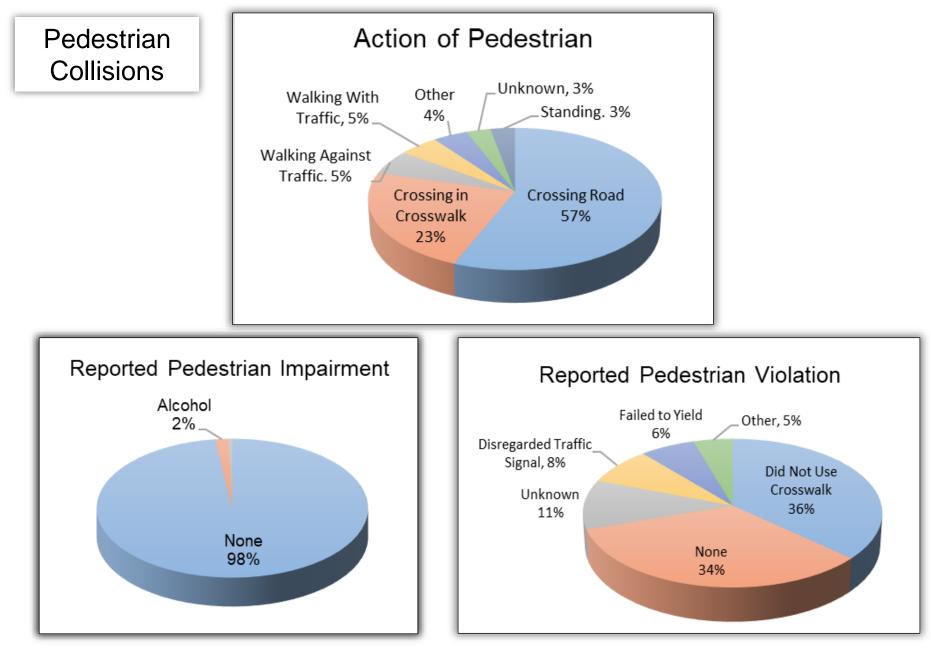




Pedestrian Collisions

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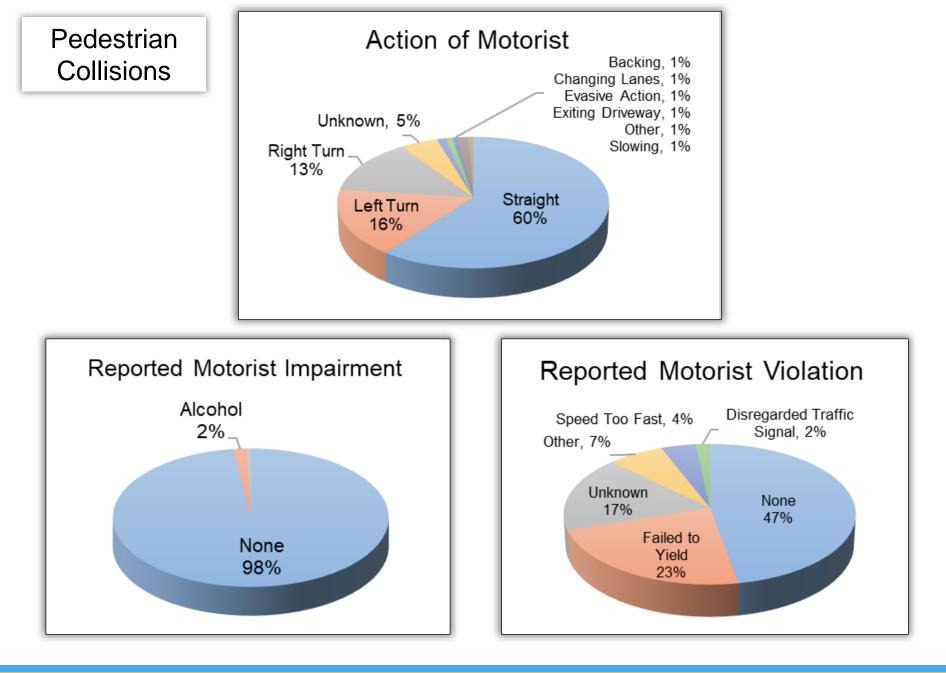


Note: In collisions involving more than one pedestrian, the attributes of only one pedestrian are used and chosen based on higher injury severity, then lowest age if needed.

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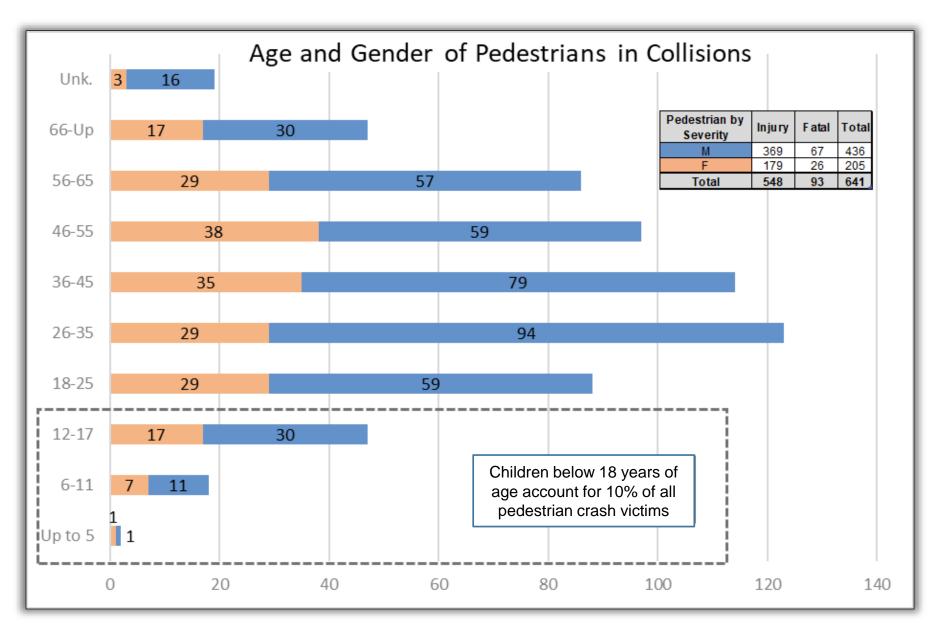
Pedestrian Collisions



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Pedestrian Collisions



Note: In collisions involving more than one pedestrian, the attributes of only one pedestrian are used and chosen based on higher injury severity, then lowest age if needed.



HAWK Pedestrian Signals Activated in 2021 (Cont.)

- 7th Avenue and Cocopah Street
- 6104 N. 27th Avenue





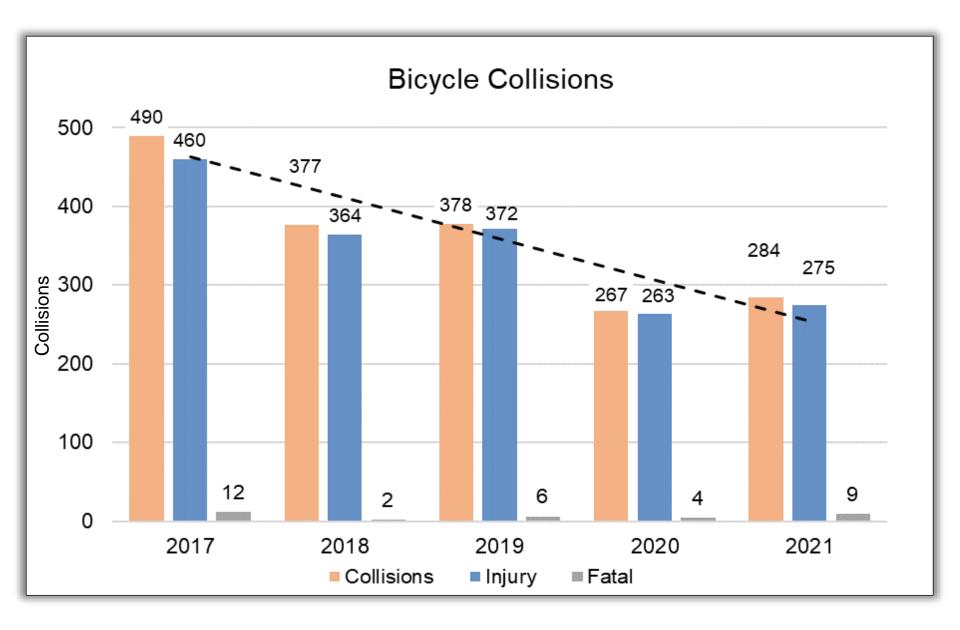
The Hawk Signal at 7th Avenue and Cocopah Street was Activated in December

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The Hawk Signal at 6104 N 27th Avenue was Activated in December



Pedestrian Collisions





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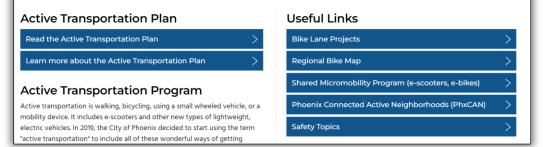
Bicycle Collisions

Bicycle Safety Education





STREET TRANSPORTATION DEPARTMENT



Active Transportation Resource Website

https://www.phoenix.gov/streets/safety-topics/bicycle-program



About the Heads Up! Campaign

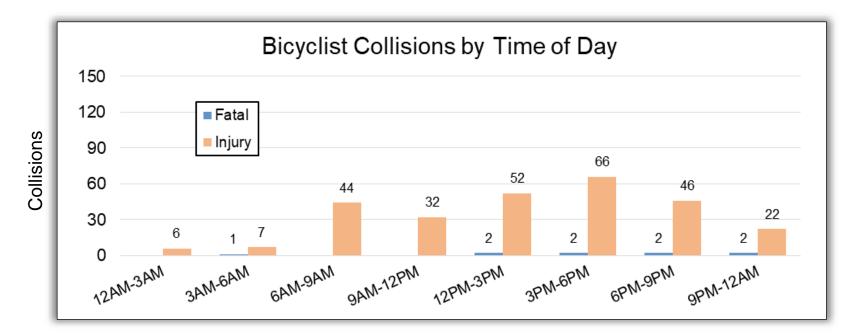
The Heads Up! campaign encourages and reminds motorists, pedestrians and bicyclists to stay safe on Phoenix streets.

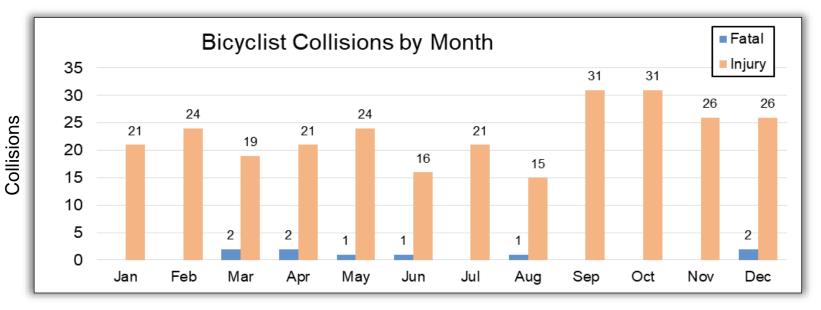
Phoenix HEADS UP! Campaign

https://www.phoenix.gov/streets/headsup

Active transportation is 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.



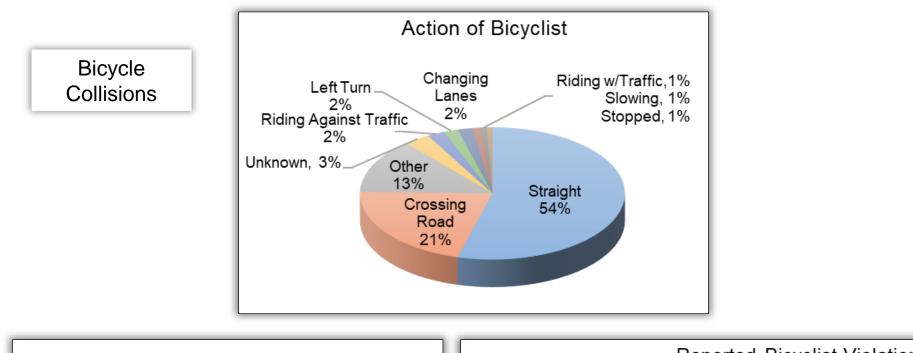


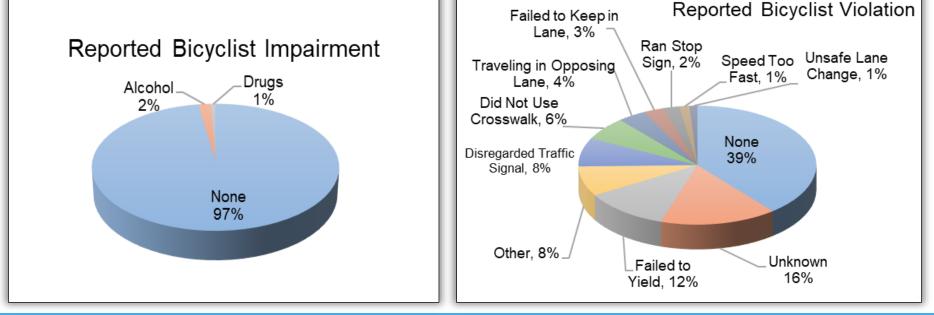


Bicycle Collisions

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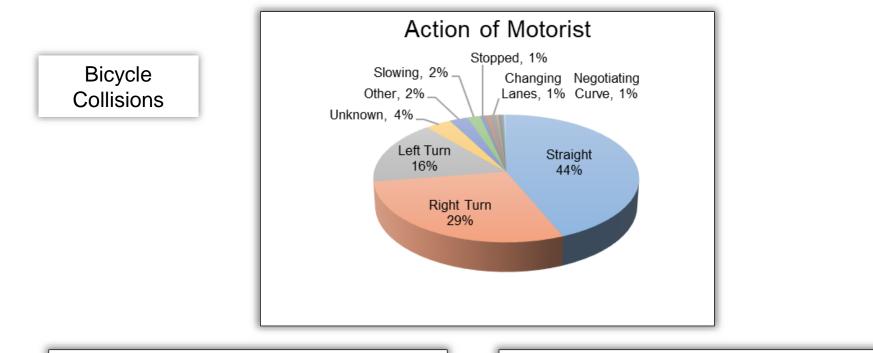


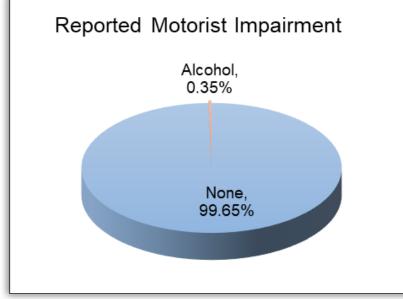
Bicycle Collisions

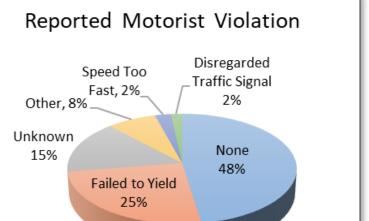
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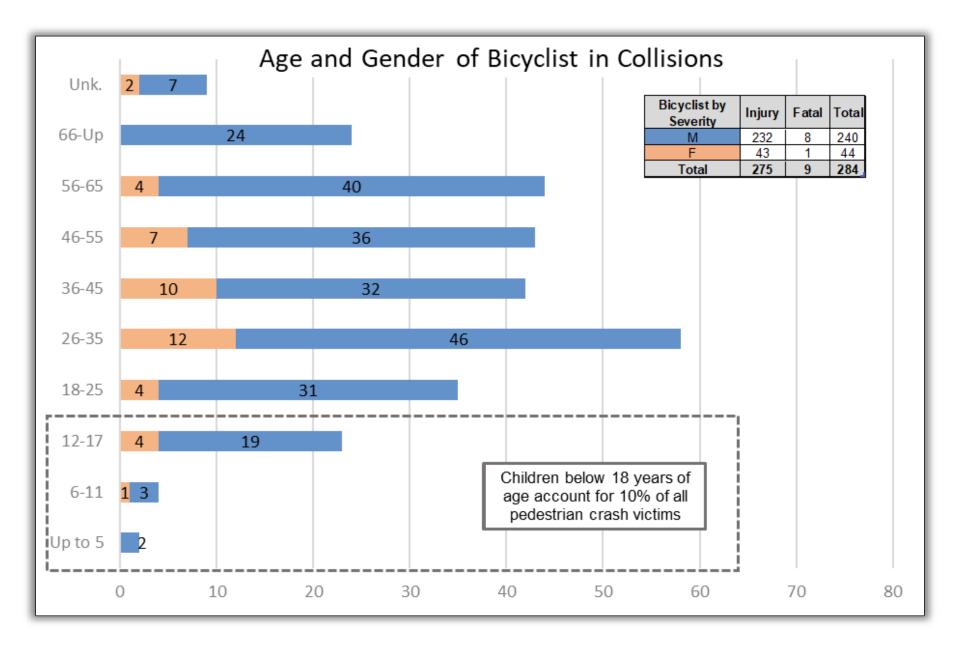
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Bicycle Collisions

2021 Bicycle Facility Improvements



Jesse Owens Parkway from 7th Street to Baseline Road Copperhead Trail from North Valley Parkway to 14th Lane 24th Street from Pecos Road to Chandler Boulevard Pinnacle Peak Road from 19th Av to 11th Av

Riverwalk Drive from Southern Av to 51st Av

Mohave Street from 51st Av to 43rd AvCave Creek Road from Bell Road to Union Hills Drive32nd Street from Baseline Road to Highline CanalUnion Hills Drive from 19th Av to 7th Av

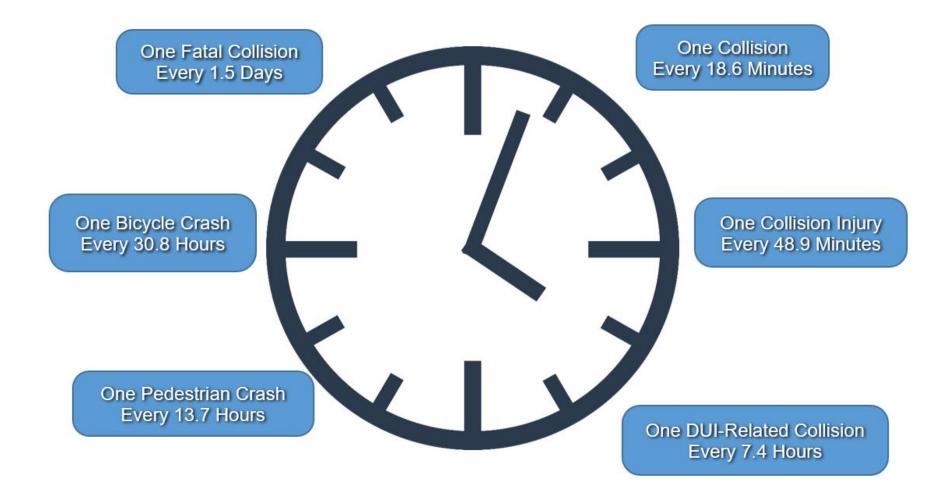
Note; Click links for project information.



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Bicycle Collisions







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Phoenix Traffic Clock

Acknowledgements

The 2021 Comprehensive Traffic Collision Summary documents the collisions in the City of Phoenix throughout the 2021 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 2021 Comprehensive 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.



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



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