

Arizona Strategic Highway Safety Plan



Appendix C

Crash Characteristic Data Map Book

Individual crashes potentially result from several contributing causal factors relating to the roadway or environmental conditions, the vehicle and ultimately the decisions made by drivers. This crash characteristic data map book is intended to present a high-level overview of crash occurrences associated with various characteristics and provide some guidance of where efforts may be effectively directed in reducing crashes. Further study and analysis of crash characteristics is often needed. The crash data shown in this book is for the previous eight years from January 2005 through December 2012.

Crash Data Source

Crash information for the state of Arizona was obtained from the Accident Location Identification Surveillance System (ALISS) database. The ALISS database is maintained by the Arizona Department of Transportation (ADOT) and is composed of data from the standard crash report form filled out by the law enforcement officer responding to each crash incident. A crash report is required anytime a crash involves an injury or at least \$1,000 dollars in property damage. The following table summarizes the total number of crashes by year for each of the eight years included in this analysis.

Count of Statewide Crash Records by Severity for Years 2005-2012

Severity	Year								Total
	2005	2006	2007	2008	2009	2010	2011	2012	
(K) Fatal	1,049	1,126	952	843	709	695	755	742	6,871
(A) Incapacitating Injury	5,212	4,934	4,860	4,133	3,738	3,576	3,589	3,509	33,551
(B) Nonincapacitating	17,506	16,642	16,120	14,108	12,342	12,374	12,690	12,757	114,539
(C) Possible Injury	23,108	23,818	22,580	19,274	17,409	17,440	16,861	17,114	157,604
(O) Property Damage Only	93,699	96,983	96,681	82,199	72,917	72,741	69,878	69,173	654,271
Total Crash Count	140,574	143,503	141,193	120,557	107,115	106,826	103,773	103,295	966,836
Total Percent Change	NA	2%	-2%	-15%	-11%	0%	-3%	0%	-27%

Source: Accident Location Identification Surveillance System (ALISS), Data Section, Multimodal Planning Division, Arizona Department of Transportation (ADOT), received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

Severity of Crashes Analyzed

Crashes accounted for in this data summary include only those classified as Fatal (K) and Incapacitating Injury (A). Other injury and property-damage-only crashes are not shown.

The severity of each crash event is identified in the police crash report by the most severe injury to take place using the KABCO severity scale, which is classified as follows:

- (K) Fatal injury crashes, resulting in at least one fatality
- (A) Incapacitating injury, but non-fatal crashes
- (B) Nonincapacitating injury crashes

- (C) Possible injury crashes
- (O) Property-damage-only crashes

Individual crash incidents that involve multiple injuries of differing severity are categorized by the most severe injury associated with that particular crash incident.

Crash Characteristic Selection

Crash data has been categorized to reflect 30 crash characteristics, which includes the initial 16 Emphasis Areas (i.e., crash-related conditions or characteristics) originally identified and analyzed in the 2007 Strategic Highway Safety Plan (SHSP). Original terms used for Emphasis Areas in the 2007 SHSP have been fully incorporated in this analysis when possible. Clarifications based on federal guidance have resulted in some terms being modified. Additional crash characteristics, beyond those shown in the 2007 SHSP, were those determined to be of interest to ADOT after examining available data and consulting with the Executive Committee providing management guidance for this project. The 30 crash characteristics have been organized under these six categories:

- Geographic area of crash
- Geometric type of crash
- Person type involved in crash
- Behavioral characteristics associated with the crash
- Vehicle type involved
- Environmental conditions

A brief description of each of the 30 crash characteristics under these six broader categories is provided on the next page.

Description of Data Sheets

Each summary data sheet is intended to communicate and highlight the number of fatal and incapacitating injury crashes and information about the relationship of each crash characteristic to the other characteristics being summarized. Also communicated is geographic, temporal and proportional information about the crash occurrences associated each crash characteristic.

Provided as part of the introductory material for this data map book is a User Guide that describes some of the relevant information for how to read and understand the summary data sheets. The User Guide was made using the characteristic-specific data sheet for Young Drivers, and brief examples are presented referencing Young Driver crashes for the different sections of these data sheets. The first data sheet encountered following the introductory material will be the summary sheet for all fatal and incapacitating-injury crashes for all public roads in the state during years 2005 through 2012. Subsequent data sheets summarize only the crashes associated with each of the 30 respective crash characteristics.

Crash Characteristic Data Map Book

Characteristics		Description
Geographic	Urban	Count of crashes within an urban boundary based on the 2010 U.S. Census designation of urbanized areas
	Rural	Count of crashes not within an urban boundary based on the 2010 U.S. Census designation of urbanized areas
	Highway	Count of crashes on the state highway system, which includes all Interstate, U.S. Highways, and State Routes
	Other Road	Count of crashes on a road other than the state highway system, usually local jurisdictions
	Tribal Land	Count of crashes within tribal reservation lands, including portions of highways or interstate freeway sections within a reservation boundary
Geometry	Intersection Related	Count of crashes involving an intersection location
	Lane Departure	Count of crashes involving a vehicle departing the travel lane into adjacent or opposing lanes or off the roadway
	Work Zone	Count of crashes involving a work zone
Person Type	Young Driver (13-24)	Count of crashes involving at least one driver age 13 through 24 years old
	65 and Older	Count of crashes involving at least one senior driver or senior pedestrian or cyclist
	Pedalcyclist Involved	Count of crashes involving a pedalcyclist (bicyclist) and a motor vehicle
	Pedestrian Involved	Count of crashes involving a pedestrian and a motor vehicle
Behavior	Aggressive Driver	Count of crashes involving a driver that was indicated on the crash report as speeding <i>and</i> one of several other aggressive violations at the time of the crash
	Alcohol Involved	Count of crashes involving an alcohol impaired driver, pedestrian or bicyclist
	Distracted Driver	Count of crashes involving a driver where Inattention/Distraction was indicated on the Violation/Behavior portion of the crash report
	Drug Involved	Count of crashes involving a drug impaired driver, pedestrian, or bicyclist
	Impaired Driver	Count of crashes involving a driver that was impaired with alcohol, drug, fatigue or sleepiness, medication or a physical disability
	Unhelmeted Motorcyclist	Count of crashes involving an unhelmeted motorcyclist
	No Restraint Used	Count of crashes involving at least one unrestrained motorist (Restraint Usage)
	Sleepy or Fatigued	Count of crashes involving a sleepy or fatigued driver, pedestrian, or bicyclist
	Speeding Involved	Count of crashes where at least one driver was indicated on the crash report as exceeding lawful speed or going too fast for conditions
Vehicle	Motorcycle Involved	Count of crashes involving a motorcycle
	Train Involved	Count of crashes involving a railway or light-rail train
	Truck Involved	Count of crashes involving at least a truck, bus or other vehicle greater than 10,000 pounds, seating nine or more persons, or carrying hazardous material
	Multiple Vehicle	Count of crashes involving two or more parties, including crashes between a vehicle and a pedestrian or bicycle
Environmental	Dust Related (Windy)	Count of crashes involving dusty or windy conditions
	Wildlife/Animal Involved	Count of crashes involving wildlife, livestock or other animals
	Wet Weather	Count of crashes involving wet weather conditions
	Dusk/ Dawn	Count of crashes during dusk or dawn light conditions
	Dark - No Light	Count of crashes during night at unlit locations

User Guide to Understanding the Crash Summary

Updating the Arizona State Highway Safety Plan (SHSP) required a data-driven process. Statewide crash data were provided by the Arizona Department of Transportation (ADOT) for each of the previous eight years: January 1, 2005, through December 31, 2012.

Each Crash Summary for a given characteristic—in this case, Young Driver Involved—shows the total number of serious injury crashes, i.e., those resulting in a Fatality or Incapacitating Injury, associated with the characteristic. Each Crash Summary relates this crash information to 29 other crash characteristics grouped into six categories that describe specific attributes of the crashes, such as location (Geographic) and condition of the persons involved (Behavior). This cross-tabular relationship reveals the number and percentage of crashes that involved the subject characteristic and one or more of the other characteristics.

What Crashes are Included?

The severity of a crash event is identified in the police crash report by the most severe injury to take place using the KABCO severity scale, which is defined as follows:

- K) Fatal Injury crashes, resulting in at least one fatality
- A) Incapacitating-injury, but non-fatal, crashes
- B) Nonincapacitating Injury crashes
- C) Possible-injury crashes
- O) Property-damage-only crashes

Crashes accounted for in this Summary include only those normally classified as Serious Injury, which includes Fatal (K) and Incapacitating Injury (A). Other injury and property-damage-only crashes are not shown.

What are we counting?

The number of crashes shown corresponds to the number of collision events and not the number of persons who may have been involved. Crashes are multi-faceted, resulting from varying combinations of circumstances categorized here by 30 separate characteristics. The objective of this summary is aid in pinpointing the characteristics (or potential causes or factors) contributing to crashes that occur most frequently.

The example here shows 2,041 Young Driver Involved crashes resulting in one or more Fatalities and 12,251 of the Young Driver Involved crashes resulted in one or more persons experiencing Incapacitating Injuries. We can also see that, of these Young Driver Involved Fatal and Incapacitating Injury crashes, 191 (9.4%) Fatal and 1,139 (9.3%) Incapacitating Injury crashes also involved persons 65 years in age and Older. The potential influence or association of all other characteristics, such as Impairment, Speeding, or Motorcycle can also be seen.



Visual Comparison

These Bar Charts display the cumulative total number of Fatal and Incapacitating Injury crashes involving each characteristic relative to the subject characteristic—Young Driver Involved. These bars provide a visual comparison, contrasting the magnitude of involvement of the various characteristics associated with the subject characteristic. In this example the bars reveal that the majority of serious crashes involving Young Drivers take place in Urban areas and involved Multiple Vehicles.

User Guide to Understanding Crash Distribution

Updating the Arizona State Highway Safety Plan (SHSP) required a data-driven process. Statewide crash data were provided by the Arizona Department of Transportation (ADOT) for each of the previous eight years: January 1, 2005, through December 31, 2012.

The data driven process included identifying where and when Serious Injury crashes have occurred during the reporting period. The maps shown on this page (sometimes referred to as Heat Maps or Hot Spot Maps) are presented to reveal the geographic distribution of high concentrations or densities of Serious Injury crashes (i.e., Fatalities and Incapacitating Injuries) associated with a given crash characteristic – in this case, Young Driver Involved.

Crash Trend

The data table shows the number of Serious Injury crashes involving Young Drivers by year for the period 2005 to 2012. These annual counts show the trend in the number of Fatalities and Incapacitating Injuries and demonstrate whether the occurrence of Young Driver involved crashes are increasing, staying the same, or decreasing. The crash data for the give crash characteristic – Young Driver Involved – is compared to the overall trend of all serious crashes for the State.

What is being Mapped?

Density of Crashes

The Density (or concentration) of crashes was determined by counting the number of Serious Injury crashes within a 5-square-mile area (length of each side being 2.2 miles). Each square on the maps represents a 5-square-mile area with at least one crash, and the color of the square shown in the legend indicates the number of Serious Injury crashes that occurred within the square.

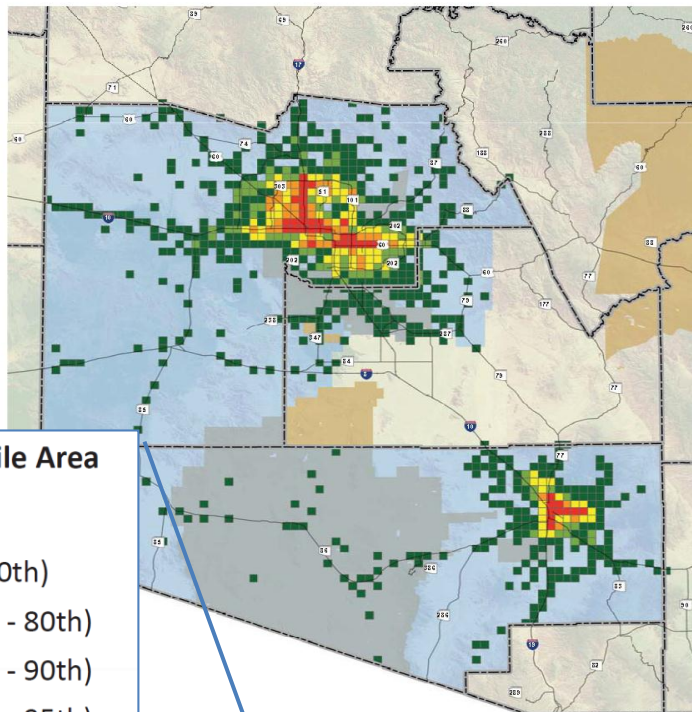
Understanding the Map Legend

Visual comparison of densities, as shown on the maps, helps to readily identify locations within the State where crashes are most prevalent. The map legend identifies the percentile rank of all 5-square-mile areas shown in the maps. In this example 70% or less of the squares shown involved at least one but no more than 9 serious crashes, and the highest 5% of the areas – the 95th Percentile, shown in red – involved between 68 and 213 serious crashes. These are the “Hot Spots.”

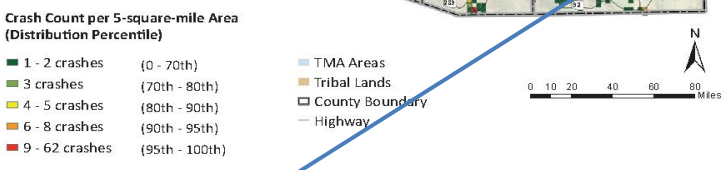
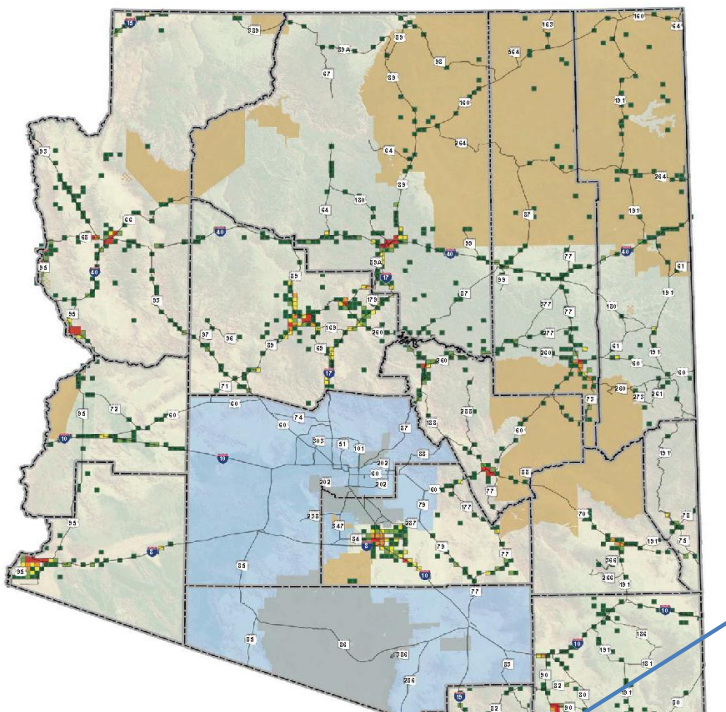
Crash Count per 5-square-mile Area (Distribution Percentile)

- 1 - 9 crashes (0 - 70th)
- 10 - 20 crashes (70th - 80th)
- 21 - 40 crashes (80th - 90th)
- 41 - 67 crashes (90th - 95th)
- 68 - 213 crashes (95th - 100th)

Density of Crashes in MAG/PAG TMA Regions



Density of Crashes in non-TMA Regions



Notes:
1) Crash statistics include all fatal and incapacitating injury crash incidents occurring between January 1, 2005 and December 31, 2012.
2) Transportation Management Areas (TMAs) currently exist in the Maricopa Association of Governments (MAG) Region and Pima Association of Governments (PAG) Region.



Comparison of Crash Characteristic with Statewide Crashes

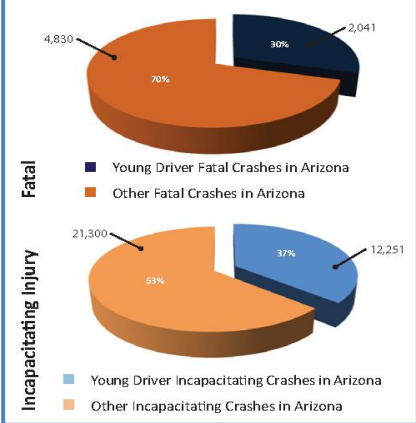
Total Crashes Involving Young Drivers by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	371	2,113
2006	346	1,955
2007	308	1,880
2008	268	1,484
2009	183	1,256
2010	147	1,255
2011	212	1,183
2012	206	1,125
Total	2,041	12,251

Total Crashes in Arizona by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	1,049	5,212
2006	1,126	4,934
2007	952	4,860
2008	843	4,133
2009	709	3,738
2010	695	3,576
2011	755	3,589
2012	742	3,509
Total	6,871	33,551

Percent of Young Driver Crashes Compared to Total Crashes in Arizona



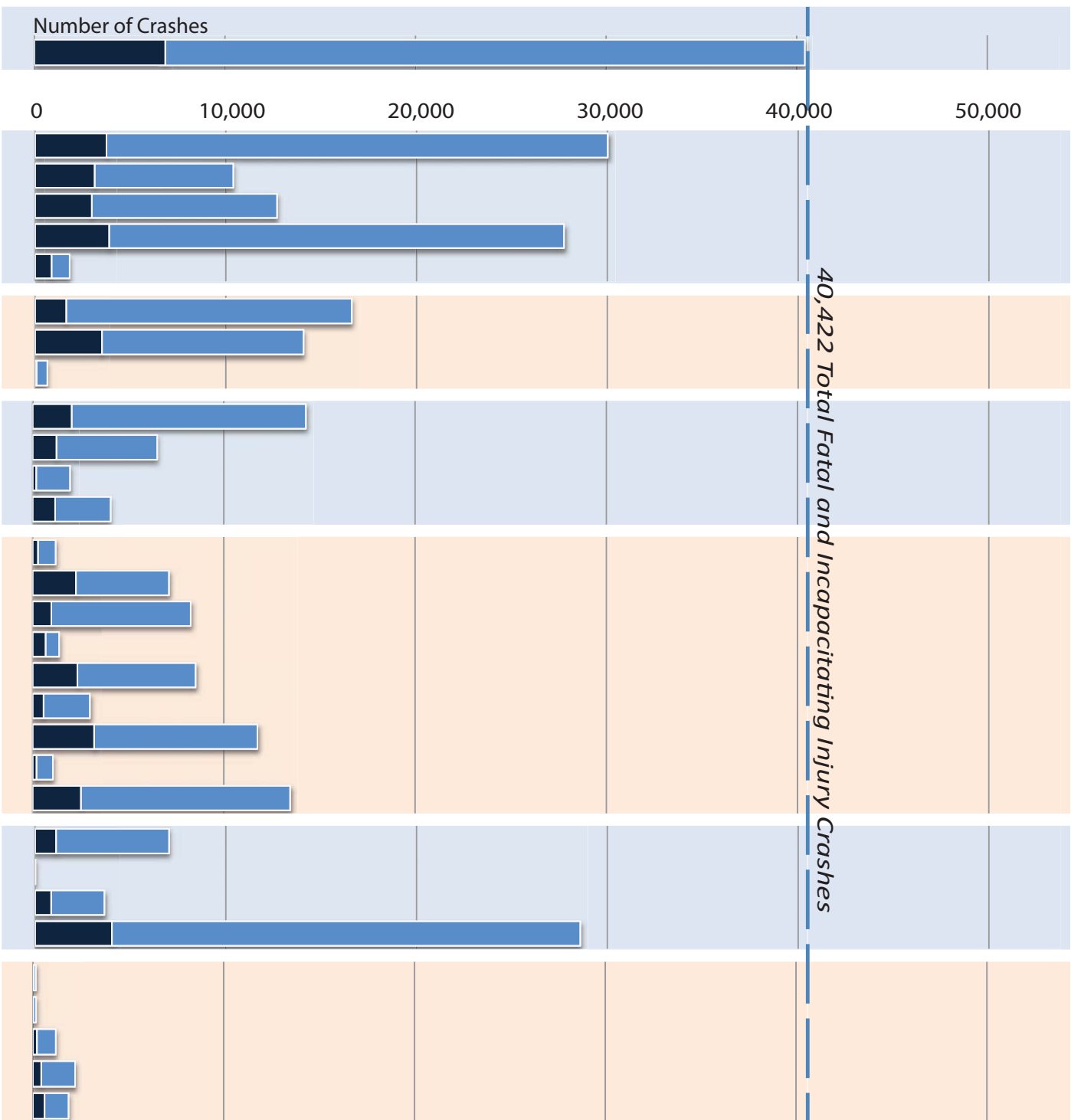
The Pie Charts provide a direct comparison of the number of severe crashes involving the specific characteristic—Young Drivers—and all serious crashes statewide for the period 2005–2012. It is clear from these Pie Charts that Young Drivers are involved in just under one-third (30%) of all Fatal crashes, and over one-third (37%) of all Incapacitating Injury crashes.

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Total Crash Count Summary | 2005-2012

Total Fatal and Incapacitating Injury Crash Statistics from 2005-2012

		Fatal		Incapacitating Injury		Total	
Total		6,871	100.0%	33,551	100.0%	40,422	100.0%
Characteristics		Fatal		Incapacitating Injury		Total	
		# of Crashes	% to total	# of Crashes	% to total	# of Crashes	% to total
Geographic	Urban	3,746	54.5%	26,277	78.3%	30,023	74.3%
	Rural	3,125	45.5%	7,274	21.7%	10,399	25.7%
	Highway	2,979	43.4%	9,713	28.9%	12,692	31.4%
	Other Road	3,892	56.6%	23,838	71.1%	27,730	68.6%
	Tribal Land	872	12.7%	945	2.8%	1,817	4.5%
Geometry	Intersection Related	1,638	23.8%	14,967	44.6%	16,605	41.1%
	Lane Departure	3,514	51.1%	10,566	31.5%	14,080	34.8%
	Work Zone	95	1.4%	555	1.7%	650	1.6%
Person Type	Young Driver (13-24)	2,041	29.7%	12,251	36.5%	14,292	35.4%
	65 and Older	1,248	18.2%	5,273	15.7%	6,521	16.1%
	Pedalcyclist Involved	191	2.8%	1,770	5.3%	1,961	4.9%
	Pedestrian Involved	1,176	17.1%	2,908	8.7%	4,084	10.1%
Behavior	Aggressive Driver	282	4.1%	920	2.7%	1,202	3.0%
	Alcohol Involved	2,265	33.0%	4,868	14.5%	7,133	17.6%
	Distracted Driver	981	14.3%	7,289	21.7%	8,270	20.5%
	Drug Involved	678	9.9%	714	2.1%	1,392	3.4%
	Impaired Driver	2,342	34.1%	6,184	18.4%	8,526	21.1%
	Unhelmeted Motorcyclist	572	8.3%	2,426	7.2%	2,998	7.4%
	No Restraint Used	3,219	46.8%	8,533	25.4%	11,752	29.1%
	Sleepy or Fatigued	207	3.0%	860	2.6%	1,067	2.6%
	Speeding Involved	2,524	36.7%	10,944	32.6%	13,468	33.3%
Vehicle	Motorcycle Involved	1,109	16.1%	5,920	17.6%	7,029	17.4%
	Train Involved	12	0.2%	10	0.0%	22	0.1%
	Truck Involved	853	12.4%	2,788	8.3%	3,641	9.0%
	Multiple Vehicle	4,034	58.7%	24,550	73.2%	28,584	70.7%
Environmental	Dust Related (Windy)	40	0.6%	117	0.3%	157	0.4%
	Wildlife/Animal Involved	22	0.3%	146	0.4%	168	0.4%
	Wet Weather	211	3.1%	994	3.0%	1,205	3.0%
	Dusk/ Dawn	439	6.4%	1,773	5.3%	2,212	5.5%
	Dark - No Light	608	8.8%	1,261	3.8%	1,869	4.6%



Notes:

1) The percentages shown in the table reflect the percent of Total crashes that also exhibit the characteristics being summarized.

2) Urban versus Rural designation of crash occurrence is based on the 2010 U.S. Census designation of urbanized areas.

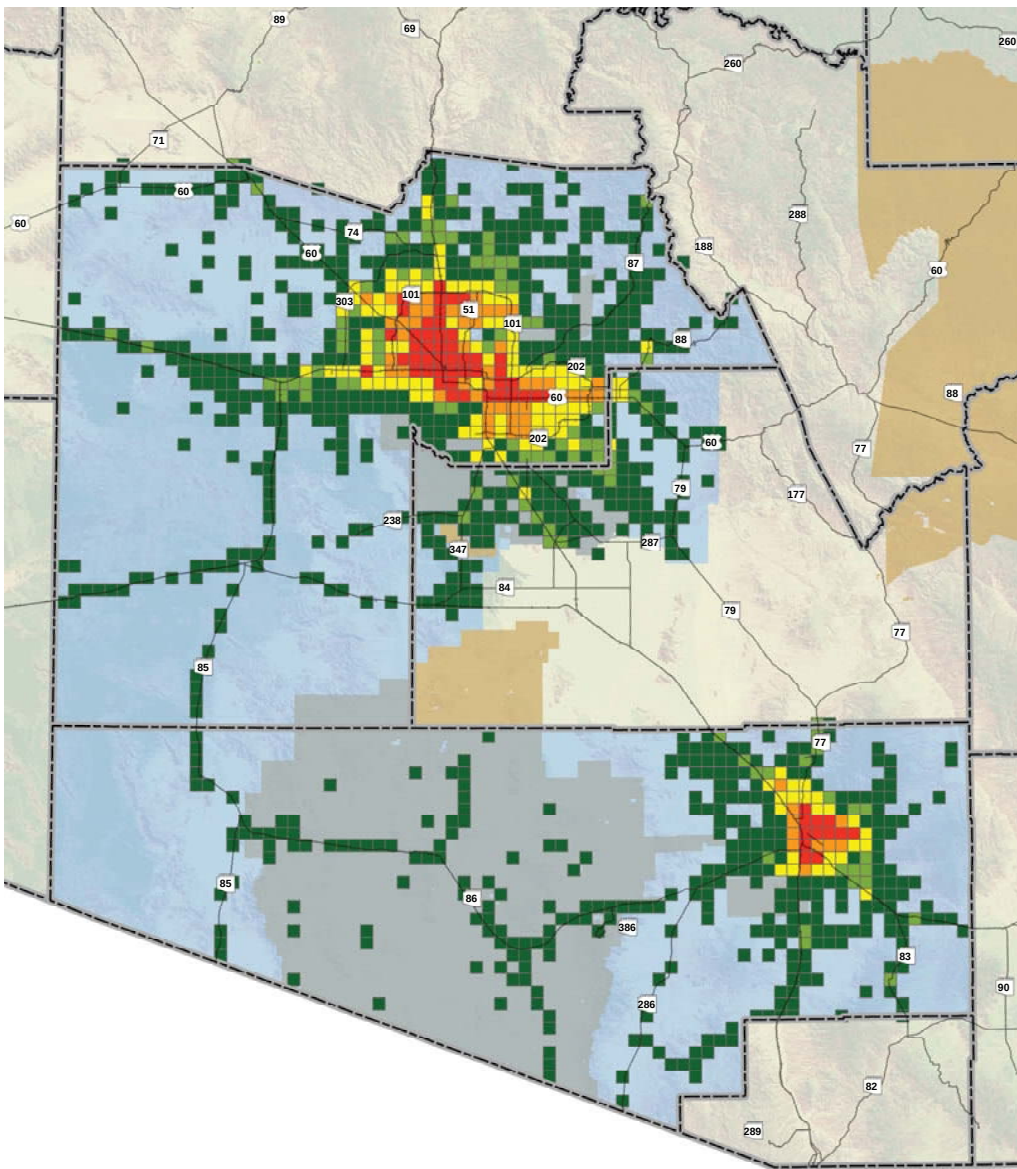
Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

Note: The graphs illustrate the number of Total crashes that also involved the graphed characteristic.

Arizona Strategic Highway Safety Plan

Total Crash Distribution | 2005-2012

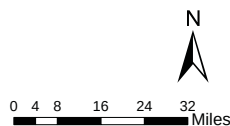
Density of Crashes in MAG/PAG TMA Regions



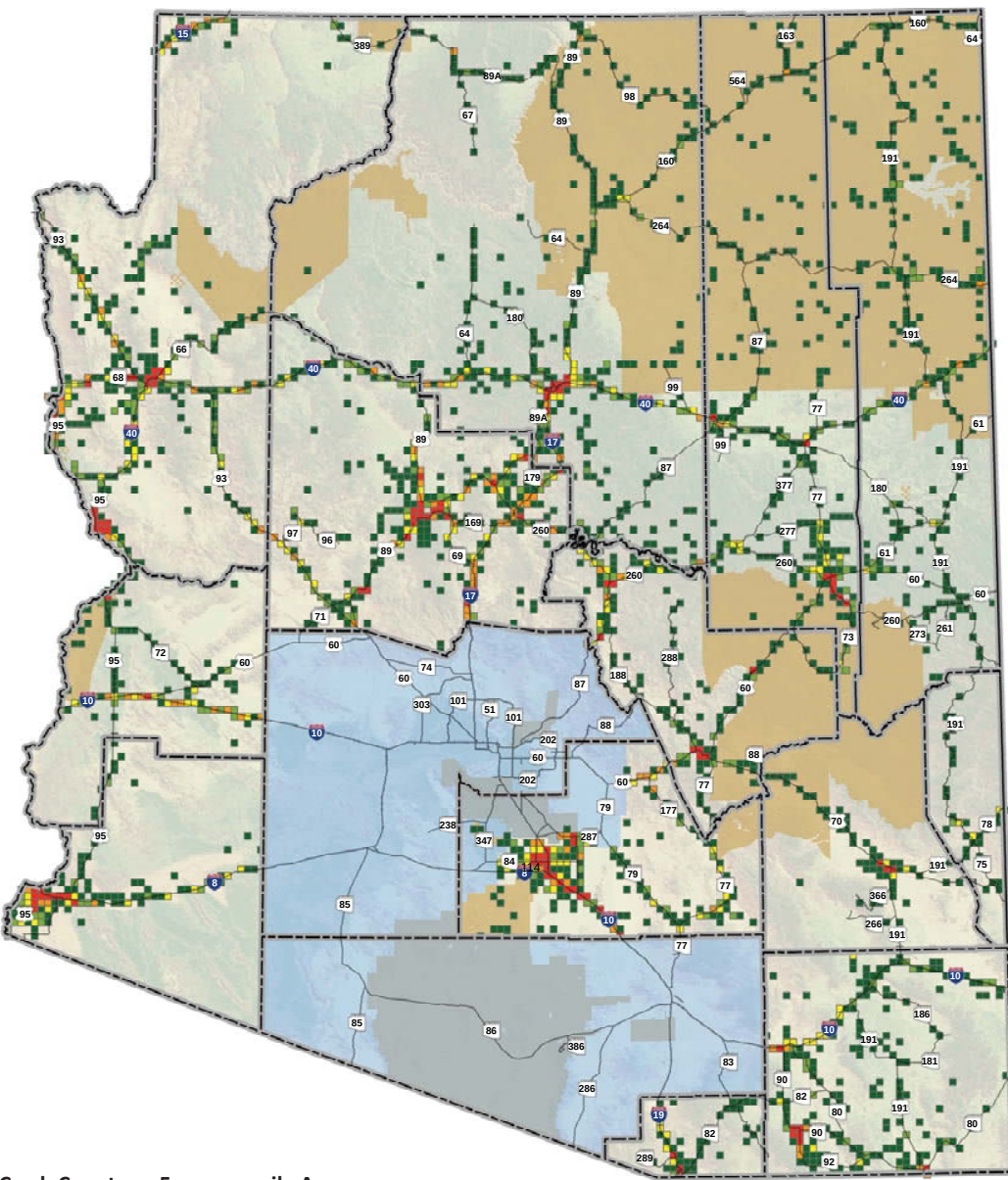
Crash Count per 5-square-mile Area
(Distribution Percentile)

- 1 to 13 crashes (0 - 70th)
- 14 to 25 crashes (70th - 80th)
- 26 to 78 crashes (80th - 90th)
- 79 to 138 crashes (90th - 95th)
- 139 to 650 crashes (95th - 100th)

- TMA Areas
- Tribal Lands
- County Boundary
- Highway



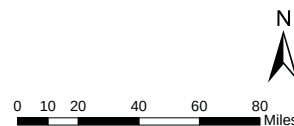
Density of Crashes in non-TMA Regions



Crash Count per 5-square-mile Area
(Distribution Percentile)

- 1 to 3 crashes (0 - 70th)
- 4 to 5 crashes (70th - 80th)
- 6 to 8 crashes (80th - 90th)
- 9 to 14 crashes (90th - 95th)
- 15 to 143 crashes (95th - 100th)

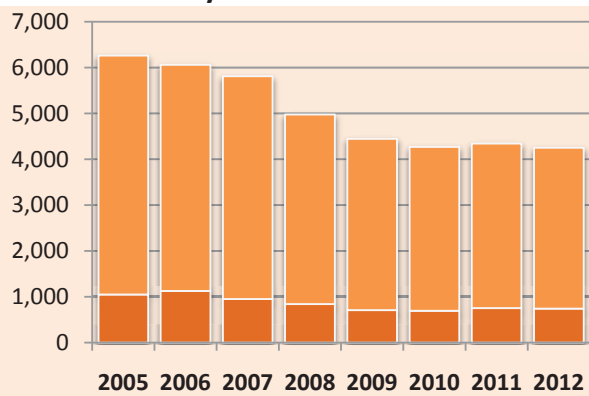
- TMA Areas
- Tribal Lands
- County Boundary
- Highway



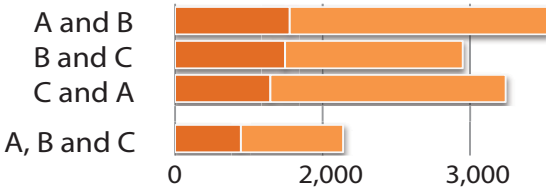
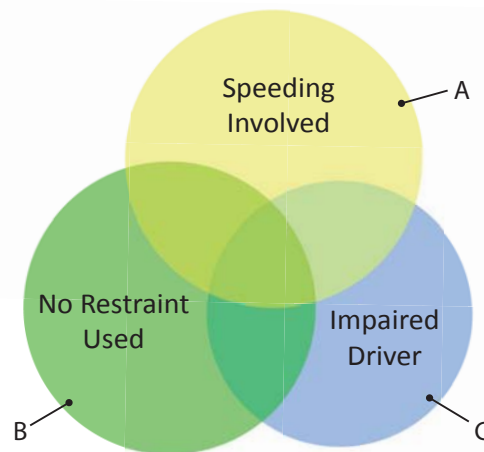
Total Serious Crashes in Arizona
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	1,049	5,212
2006	1,126	4,934
2007	952	4,860
2008	843	4,133
2009	709	3,738
2010	695	3,576
2011	755	3,589
2012	742	3,509
Total	6,871	33,551

Annual Trend in Total Serious Crashes
by Year 2005-2012



Interaction of Most Common
Behavioral Characteristics in Fatal
and Incapacitating Injury Crashes



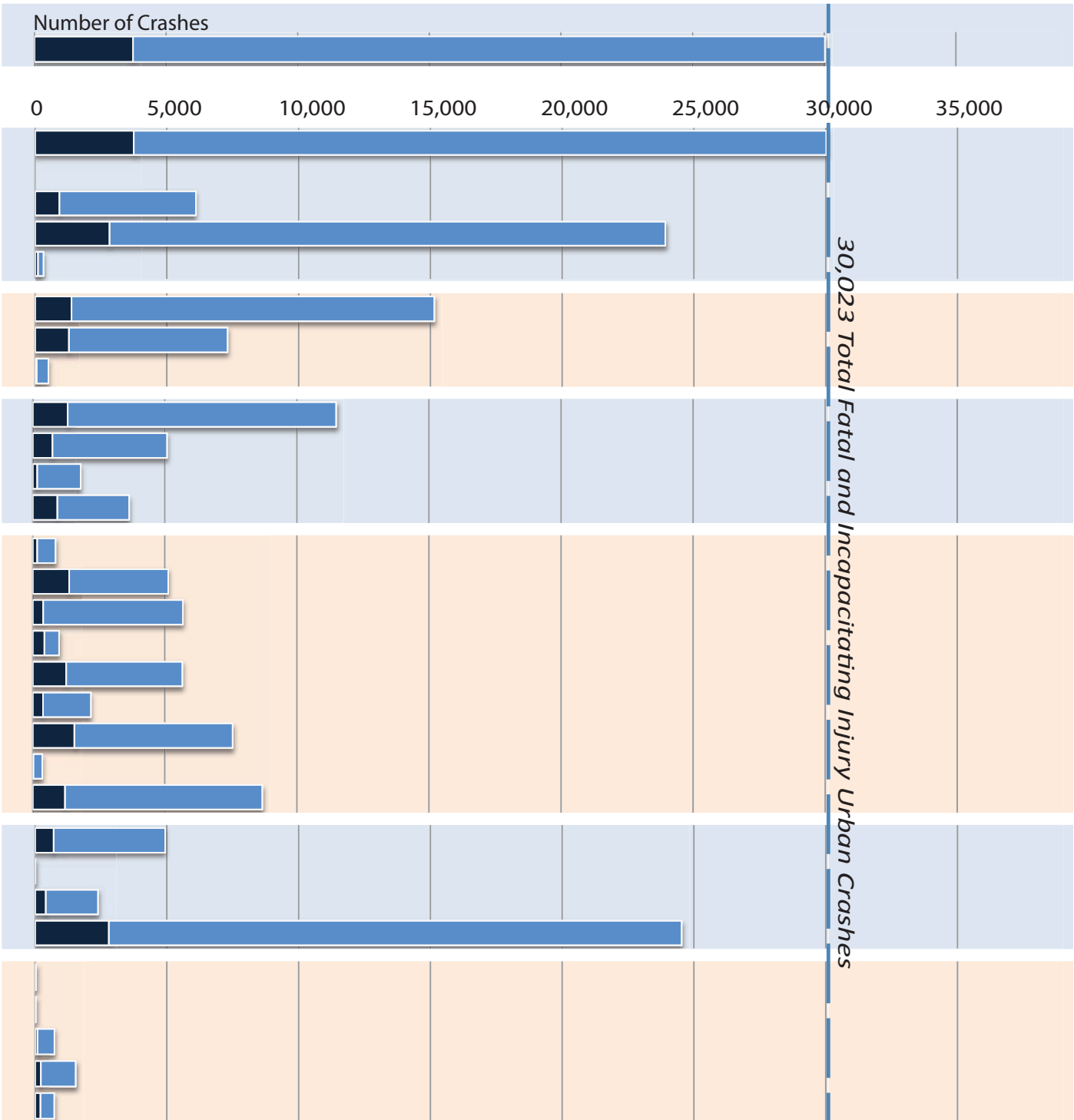
Notes:
1) Crash statistics include all fatal and incapacitating injury crash incidents occurring between January 1, 2005 and December 31, 2012.
2) Transportation Management Areas (TMAs) currently exist in the Maricopa Association of Governments (MAG) Region and Pima Association of Governments (PAG) Region.
Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

Arizona Strategic Highway Safety Plan

Urban Crash Summary | 2005-2012

Urban Fatal and Incapacitating Injury Crash Statistics from 2005-2012

Urban		Fatal		Incapacitating Injury		Total	
		3,746	100%	26,277	100%	30,023	100%
Characteristics		Fatal		Incapacitating Injury		Total	
		# of Crashes	% to total	# of Crashes	% to total	# of Crashes	% to total
Geographic	Urban	3,746	100.0%	26,277	100.0%	30,023	100.0%
	Rural	0	0.0%	0	0.0%	0	0.0%
	Highway	922	24.6%	5,184	19.7%	6,106	20.3%
	Other Road	2,824	75.4%	21,093	80.3%	23,917	79.7%
	Tribal Land	111	3.0%	211	0.8%	322	1.1%
Geometry	Intersection Related	1,384	36.9%	13,770	52.4%	15,154	50.5%
	Lane Departure	1,286	34.3%	6,018	22.9%	7,304	24.3%
	Work Zone	60	1.6%	449	1.7%	509	1.7%
Person Type	Young Driver (13-24)	1,326	35.4%	10,163	38.7%	11,489	38.3%
	65 and Older	747	19.9%	4,340	16.5%	5,087	16.9%
	Pedalcyclist Involved	167	4.5%	1,652	6.3%	1,819	6.1%
	Pedestrian Involved	930	24.8%	2,723	10.4%	3,653	12.2%
Behavior	Aggressive Driver	170	4.5%	694	2.6%	864	2.9%
	Alcohol Involved	1,382	36.9%	3,748	14.3%	5,130	17.1%
	Distracted Driver	398	10.6%	5,288	20.1%	5,686	18.9%
	Drug Involved	441	11.8%	558	2.1%	999	3.3%
	Impaired Driver	1,269	33.9%	4,397	16.7%	5,666	18.9%
	Unhelmeted Motorcyclist	392	10.5%	1,812	6.9%	2,204	7.3%
	No Restraint Used	1,577	42.1%	5,995	22.8%	7,572	25.2%
	Sleepy or Fatigued	27	0.7%	339	1.3%	366	1.2%
Vehicle	Speeding Involved	1,221	32.6%	7,475	28.4%	8,696	29.0%
	Motorcycle Involved	707	18.9%	4,233	16.1%	4,940	16.5%
	Train Involved	3	0.1%	9	0.0%	12	0.0%
	Truck Involved	403	10.8%	1,986	7.6%	2,389	8.0%
	Multiple Vehicle	2,796	74.6%	21,739	82.7%	24,535	81.7%
Environmental	Dust Related (Windy)	4	0.1%	28	0.1%	32	0.1%
	Wildlife/Animal Involved	3	0.1%	24	0.1%	27	0.1%
	Wet Weather	88	2.3%	647	2.5%	735	2.4%
	Dusk/ Dawn	219	5.8%	1,325	5.0%	1,544	5.1%
	Dark - No Light	202	5.4%	531	2.0%	733	2.4%



Notes:

1) The percentages shown in the table reflect the percent of Urban crashes that also exhibit the characteristics being summarized.

2) Urban versus Rural designation of crash occurrence is based on the 2010 U.S. Census designation of urbanized areas.

Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

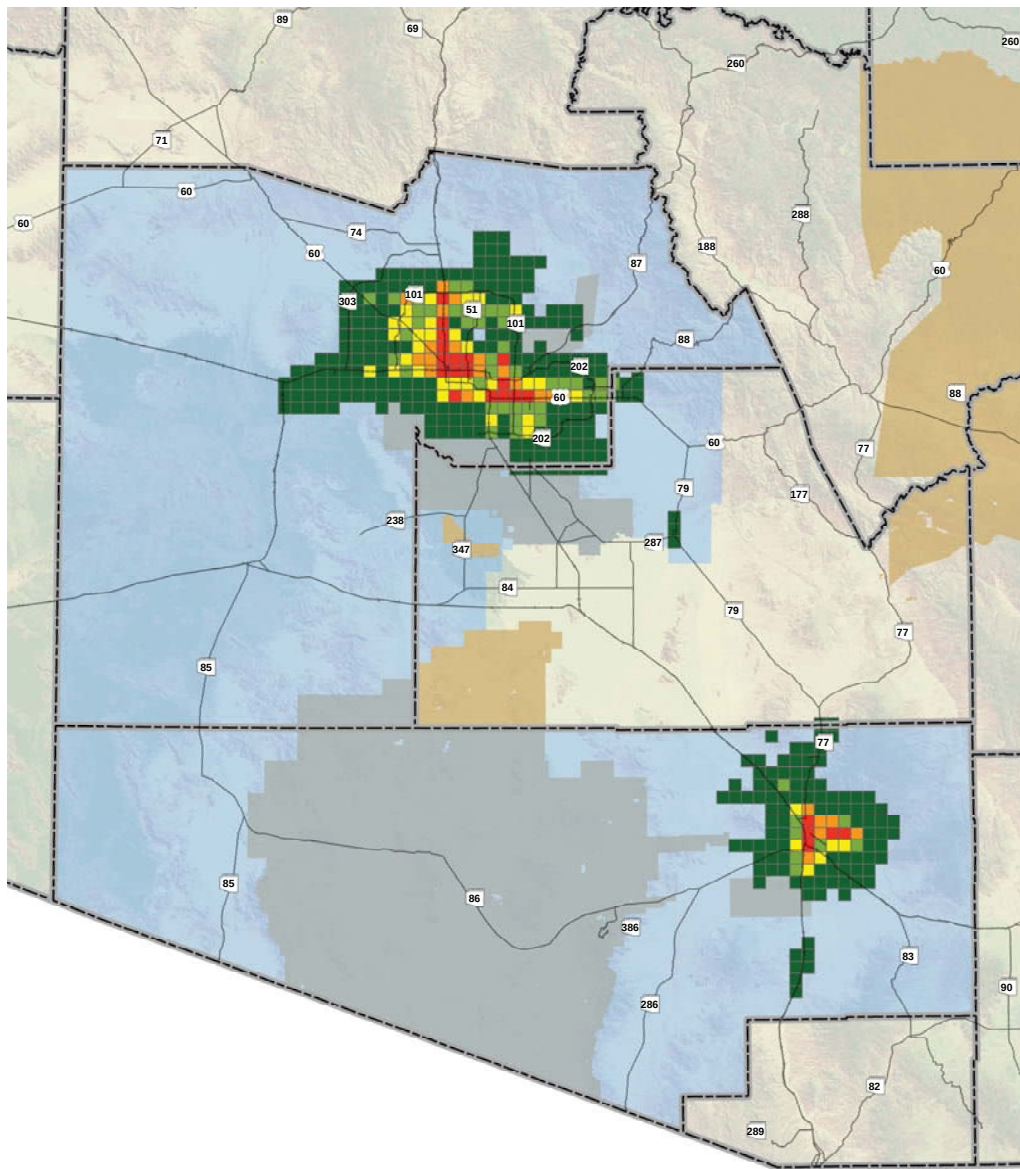
Note: The graphs illustrate the number of Urban crashes that also involved the graphed characteristic.



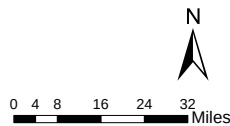
Arizona Strategic Highway Safety Plan

Urban Crash Distribution | 2005-2012

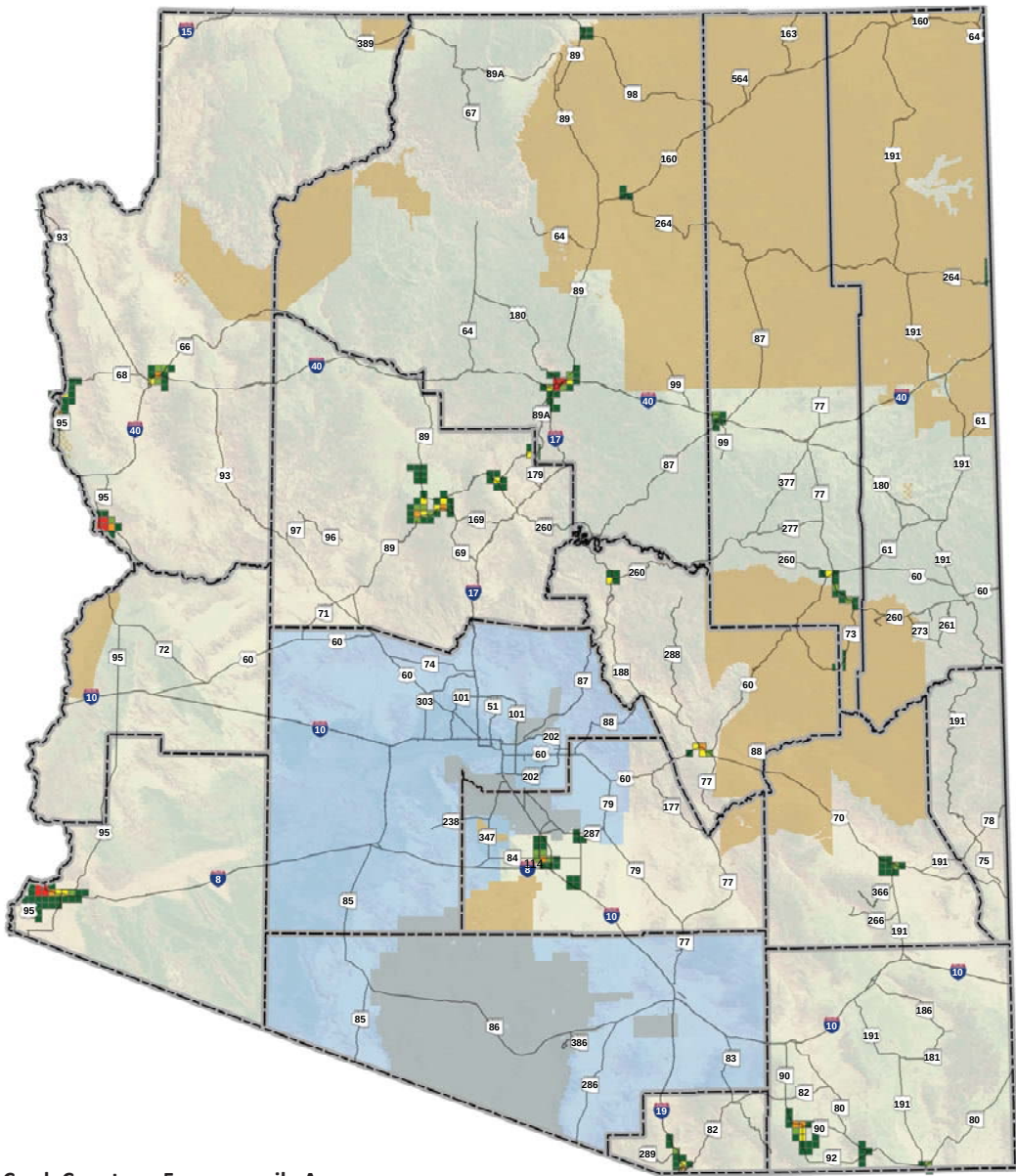
Density of Crashes in MAG/PAG TMA Regions



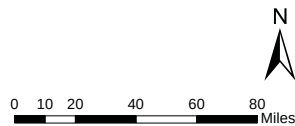
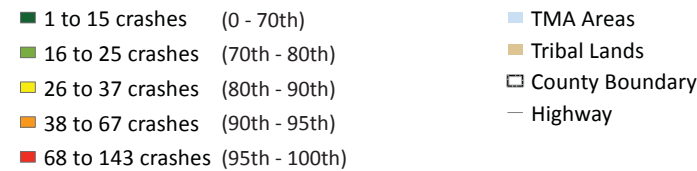
Crash Count per 5-square-mile Area
(Distribution Percentile)



Density of Crashes in non-TMA Regions



Crash Count per 5-square-mile Area
(Distribution Percentile)



Notes:
1) Crash statistics include all fatal and incapacitating injury crash incidents occurring between January 1, 2005 and December 31, 2012.
2) Transportation Management Areas (TMAs) currently exist in the Maricopa Association of Governments (MAG) Region and Pima Association of Governments (PAG) Region.
Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

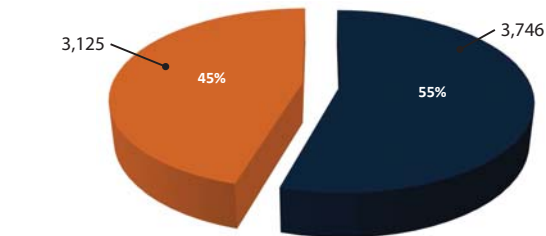
Total Urban Serious Crashes
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	593	4,166
2006	594	3,962
2007	505	3,769
2008	441	3,175
2009	353	2,661
2010	408	2,829
2011	428	2,930
2012	424	2,785
Total	3,746	26,277

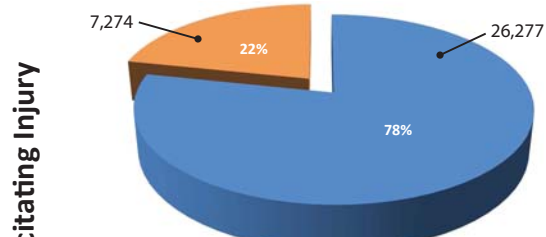
Total Crashes in Arizona
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	1,049	5,212
2006	1,126	4,934
2007	952	4,860
2008	843	4,133
2009	709	3,738
2010	695	3,576
2011	755	3,589
2012	742	3,509
Total	6,871	33,551

Urban Crashes
Compared to Total Crashes in Arizona



Fatal
Urban Fatal Crashes
Other Fatal Crashes in Arizona



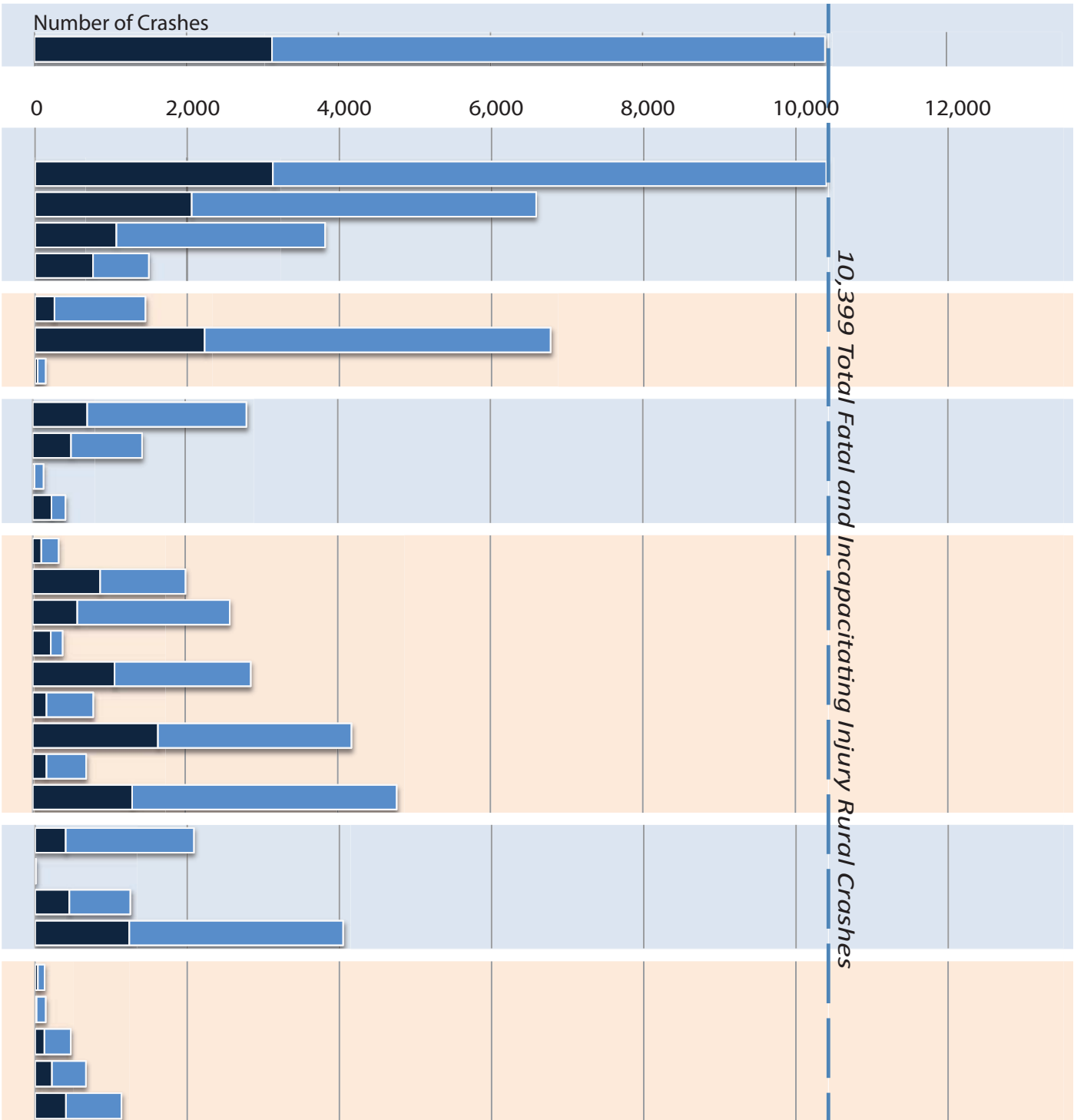
Incapacitating Injury
Urban Incapacitating Injury Crashes
Other Incapacitating Crashes in Arizona

Arizona Strategic Highway Safety Plan

Rural Crash Summary | 2005-2012

Rural Fatal and Incapacitating Injury Crash Statistics from 2005-2012

Rural		Fatal		Incapacitating Injury		Total	
		3,125	100%	7,274	100%	10,399	100%
Characteristics		Fatal		Incapacitating Injury		Total	
		# of Crashes	% to total	# of Crashes	% to total	# of Crashes	% to total
Geographic	Urban	0	0.0%	0	0.0%	0	0.0%
	Rural	3,125	100.0%	7,274	100.0%	10,399	100.0%
	Highway	2,057	65.8%	4,529	62.3%	6,586	63.3%
	Other Road	1,068	34.2%	2,745	37.7%	3,813	36.7%
	Tribal Land	761	24.4%	734	10.1%	1,495	14.4%
Geometry	Intersection Related	254	8.1%	1,197	16.5%	1,451	14.0%
	Lane Departure	2,228	71.3%	4,548	62.5%	6,776	65.2%
	Work Zone	35	1.1%	106	1.5%	141	1.4%
Person Type	Young Driver (13-24)	715	22.9%	2,088	28.7%	2,803	27.0%
	65 and Older	501	16.0%	933	12.8%	1,434	13.8%
	Pedalcyclist Involved	24	0.8%	118	1.6%	142	1.4%
	Pedestrian Involved	246	7.9%	185	2.5%	431	4.1%
Behavior	Aggressive Driver	113	3.6%	228	3.1%	341	3.3%
	Alcohol Involved	883	28.3%	1,120	15.4%	2,003	19.3%
	Distracted Driver	583	18.7%	2,001	27.5%	2,584	24.8%
	Drug Involved	237	7.6%	156	2.1%	393	3.8%
	Impaired Driver	1,073	34.3%	1,787	24.6%	2,860	27.5%
	Unhelmeted Motorcyclist	180	5.8%	614	8.4%	794	7.6%
	No Restraint Used	1,642	52.5%	2,538	34.9%	4,180	40.2%
	Sleepy or Fatigued	180	5.8%	521	7.2%	701	6.7%
Vehicle	Speeding Involved	1,303	41.7%	3,469	47.7%	4,772	45.9%
	Motorcycle Involved	402	12.9%	1,687	23.2%	2,089	20.1%
	Train Involved	9	0.3%	1	0.0%	10	0.1%
	Truck Involved	450	14.4%	802	11.0%	1,252	12.0%
	Multiple Vehicle	1,238	39.6%	2,811	38.6%	4,049	38.9%
Environmental	Dust Related (Windy)	36	1.2%	89	1.2%	125	1.2%
	Wildlife/Animal Involved	19	0.6%	122	1.7%	141	1.4%
	Wet Weather	123	3.9%	347	4.8%	470	4.5%
	Dusk/ Dawn	220	7.0%	448	6.2%	668	6.4%
	Dark - No Light	406	13.0%	730	10.0%	1,136	10.9%



Notes:

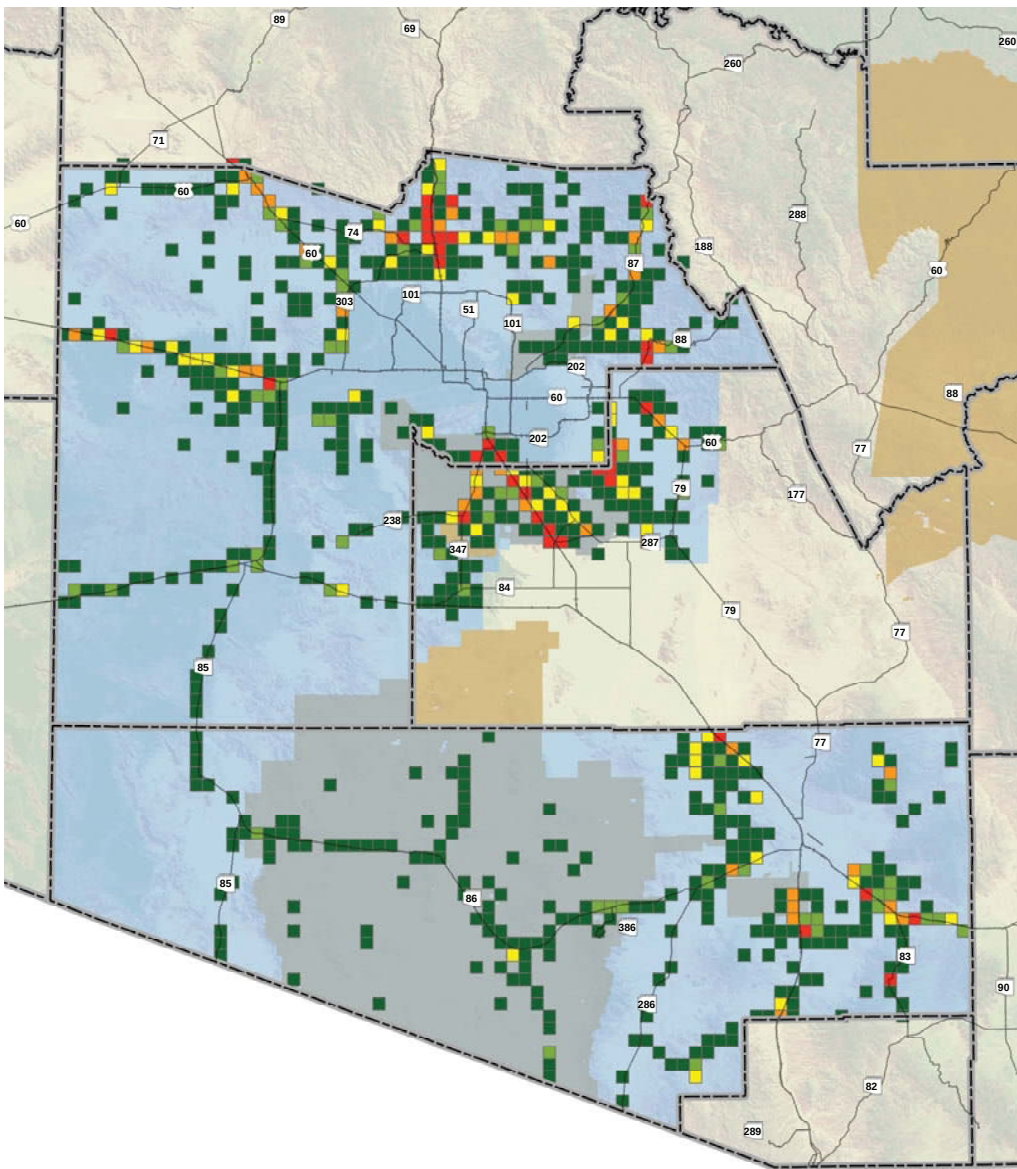
- 1) The percentages shown in the table reflect the percent of Rural crashes that also exhibit the characteristics being summarized.
- 2) Urban versus Rural designation of crash occurrence is based on the 2010 U.S. Census designation of urbanized areas.
- Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

Note: The graphs illustrate the number of Rural crashes that also involved the graphed characteristic.

Arizona Strategic Highway Safety Plan

Rural Crash Distribution | 2005-2012

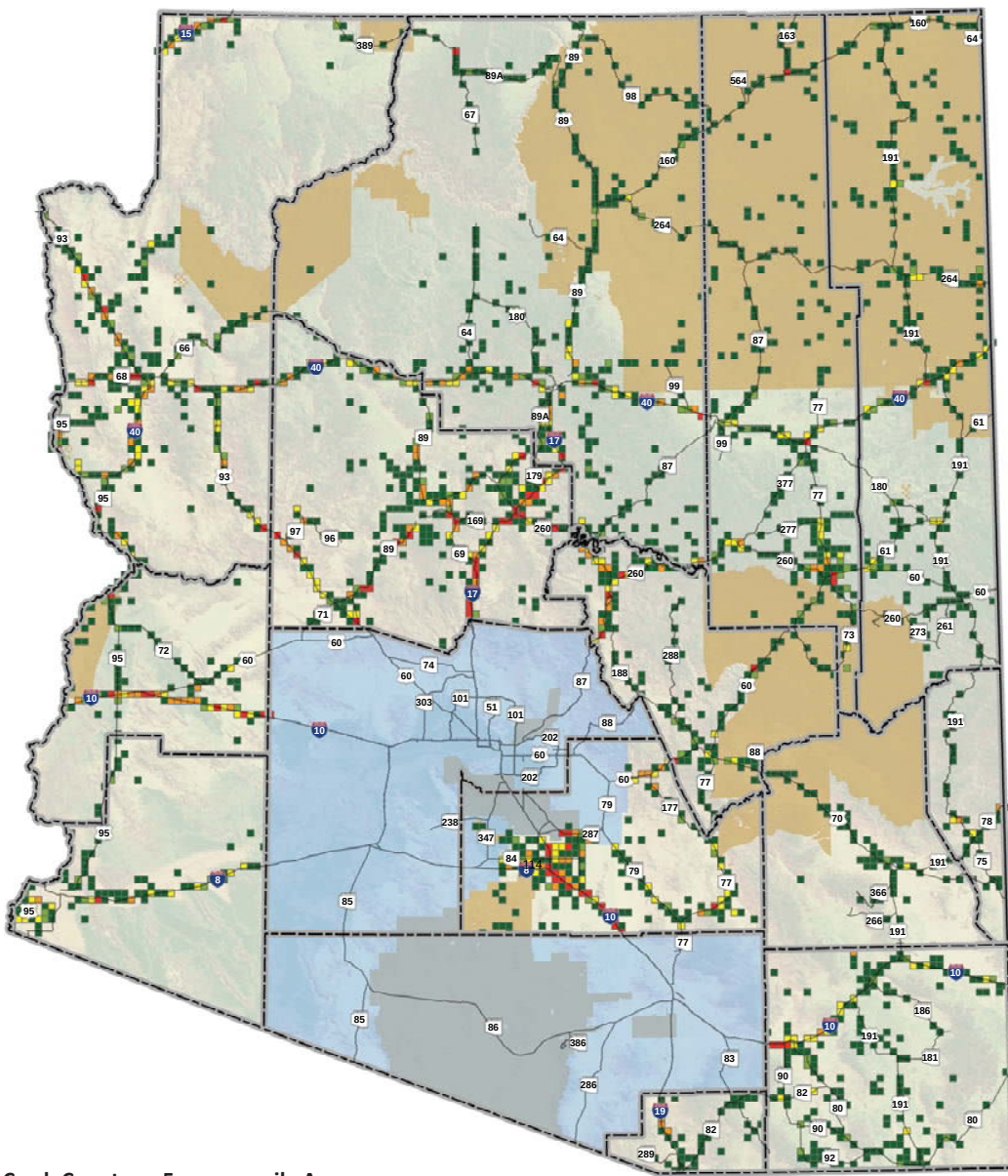
Density of Crashes in MAG/PAG TMA Regions



Crash Count per 5-square-mile Area
(Distribution Percentile)



Density of Crashes in non-TMA Regions



Crash Count per 5-square-mile Area
(Distribution Percentile)



Notes:
1) Crash statistics include all fatal and incapacitating injury crash incidents occurring between January 1, 2005 and December 31, 2012.
2) Transportation Management Areas (TMAs) currently exist in the Maricopa Association of Governments (MAG) Region and Pima Association of Governments (PAG) Region.
Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

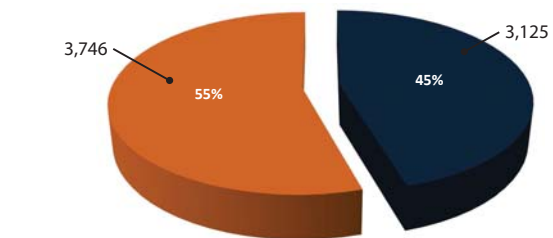
Total Rural Serious Crashes
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	456	1,046
2006	532	972
2007	447	1,091
2008	402	958
2009	356	1,077
2010	287	747
2011	327	659
2012	318	724
Total	3,125	7,274

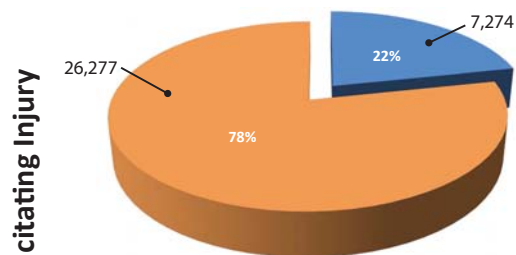
Total Crashes in Arizona
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	1,049	5,212
2006	1,126	4,934
2007	952	4,860
2008	843	4,133
2009	709	3,738
2010	695	3,576
2011	755	3,589
2012	742	3,509
Total	6,871	33,551

Rural Crashes
Compared to Total Crashes in Arizona



Fatal
Rural Fatal Crashes
Other Fatal Crashes in Arizona



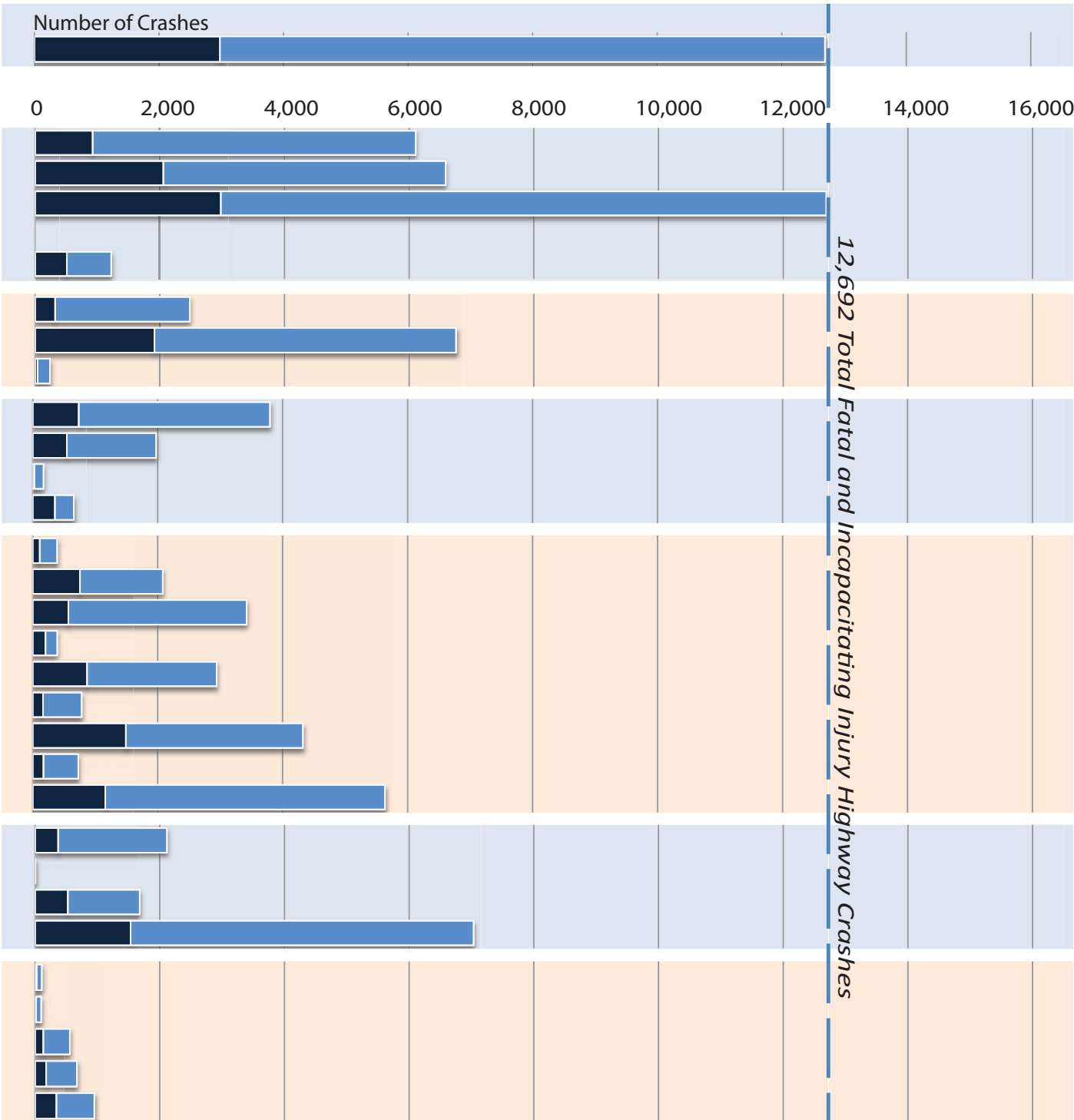
Incapacitating Injury
Rural Incapacitating Injury Crashes
Other Incapacitating Crashes in Arizona

Arizona Strategic Highway Safety Plan

Highway Crash Summary | 2005-2012

Highway Fatal and Incapacitating Injury Crash Statistics from 2005-2012

Highway		Fatal		Incapacitating Injury		Total	
		2,979	100%	9,713	100%	12,692	100%
Characteristics		Fatal		Incapacitating Injury		Total	
		# of Crashes	% to total	# of Crashes	% to total	# of Crashes	% to total
Geographic	Urban	922	30.9%	5,184	53.4%	6,106	48.1%
	Rural	2,057	69.1%	4,529	46.6%	6,586	51.9%
	Highway	2,979	100.0%	9,713	100.0%	12,692	100.0%
	Other Road	0	0.0%	0	0.0%	0	0.0%
	Tribal Land	510	17.1%	713	7.3%	1,223	9.6%
Geometry	Intersection Related	323	10.8%	2,160	22.2%	2,483	19.6%
	Lane Departure	1,916	64.3%	4,838	49.8%	6,754	53.2%
	Work Zone	41	1.4%	197	2.0%	238	1.9%
Person Type	Young Driver (13-24)	736	24.7%	3,061	31.5%	3,797	29.9%
	65 and Older	547	18.4%	1,431	14.7%	1,978	15.6%
	Pedalcyclist Involved	28	0.9%	145	1.5%	173	1.4%
	Pedestrian Involved	354	11.9%	304	3.1%	658	5.2%
Behavior	Aggressive Driver	112	3.8%	279	2.9%	391	3.1%
	Alcohol Involved	755	25.3%	1,327	13.7%	2,082	16.4%
	Distracted Driver	571	19.2%	2,853	29.4%	3,424	27.0%
	Drug Involved	205	6.9%	190	2.0%	395	3.1%
	Impaired Driver	870	29.2%	2,074	21.4%	2,944	23.2%
	Unhelmeted Motorcyclist	166	5.6%	618	6.4%	784	6.2%
	No Restraint Used	1,490	50.0%	2,836	29.2%	4,326	34.1%
	Sleepy or Fatigued	171	5.7%	559	5.8%	730	5.8%
	Speeding Involved	1,161	39.0%	4,476	46.1%	5,637	44.4%
Vehicle	Motorcycle Involved	371	12.5%	1,746	18.0%	2,117	16.7%
	Train Involved	2	0.1%	3	0.0%	5	0.0%
	Truck Involved	525	17.6%	1,155	11.9%	1,680	13.2%
	Multiple Vehicle	1,532	51.4%	5,503	56.7%	7,035	55.4%
Environmental	Dust Related (Windy)	27	0.9%	81	0.8%	108	0.9%
	Wildlife/Animal Involved	16	0.5%	84	0.9%	100	0.8%
	Wet Weather	132	4.4%	425	4.4%	557	4.4%
	Dusk/ Dawn	178	6.0%	494	5.1%	672	5.3%
	Dark - No Light	341	11.4%	610	6.3%	951	7.5%



Notes:

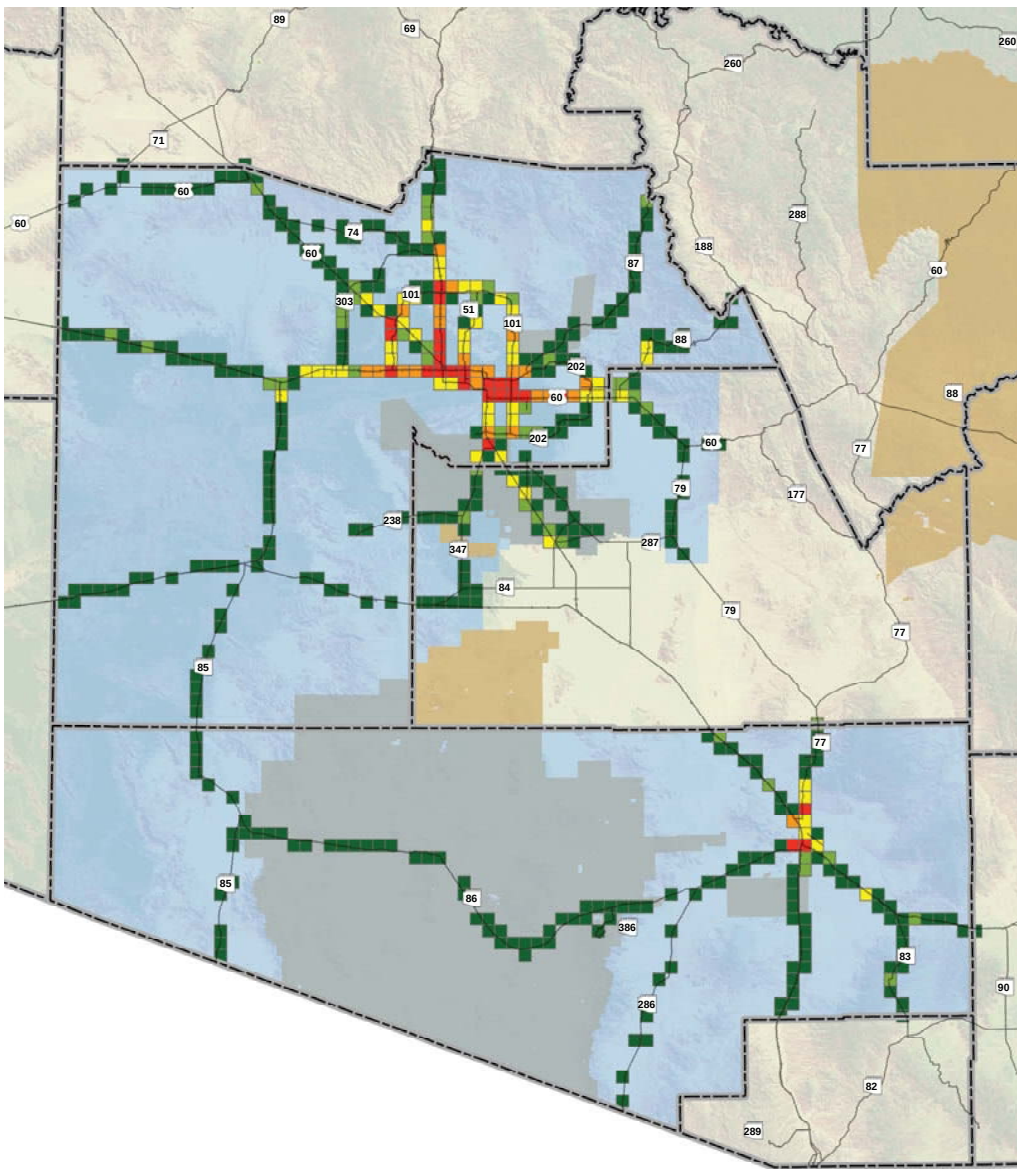
- 1) The percentages shown in the table reflect the percent of Highway crashes that also exhibit the characteristics being summarized.
- 2) Urban versus Rural designation of crash occurrence is based on the 2010 U.S. Census designation of urbanized areas.
- Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

Note: The graphs illustrate the number of Highway crashes that also involved the graphed characteristic.

Arizona Strategic Highway Safety Plan

Highway Crash Distribution | 2005-2012

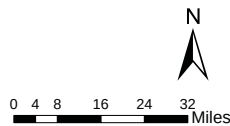
Density of Crashes in MAG/PAG TMA Regions



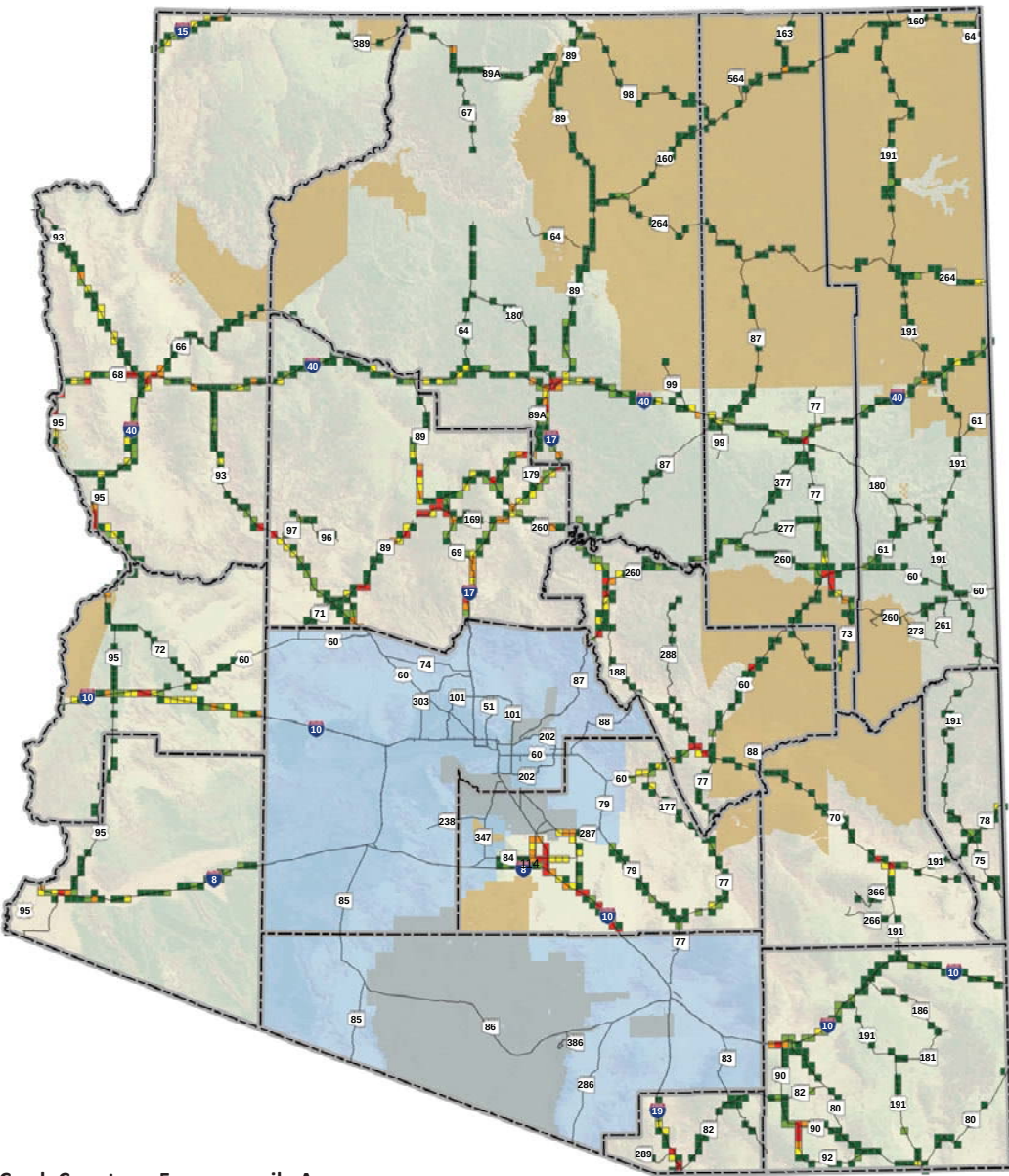
Crash Count per 5-square-mile Area
(Distribution Percentile)

- 1 to 12 crashes (0 - 70th)
- 13 to 18 crashes (70th - 80th)
- 19 to 32 crashes (80th - 90th)
- 33 to 47 crashes (90th - 95th)
- 48 to 137 crashes (95th - 100th)

- TMA Areas
- Tribal Lands
- County Boundary
- Highway



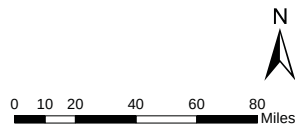
Density of Crashes in non-TMA Regions



Crash Count per 5-square-mile Area
(Distribution Percentile)

- 1 to 4 crashes (0 - 70th)
- 5 to 6 crashes (70th - 80th)
- 7 to 9 crashes (80th - 90th)
- 10 to 13 crashes (90th - 95th)
- 14 to 77 crashes (95th - 100th)

- TMA Areas
- Tribal Lands
- County Boundary
- Highway



Notes:
1) Crash statistics include all fatal and incapacitating injury crash incidents occurring between January 1, 2005 and December 31, 2012.
2) Transportation Management Areas (TMAs) currently exist in the Maricopa Association of Governments (MAG) Region and Pima Association of Governments (PAG) Region.
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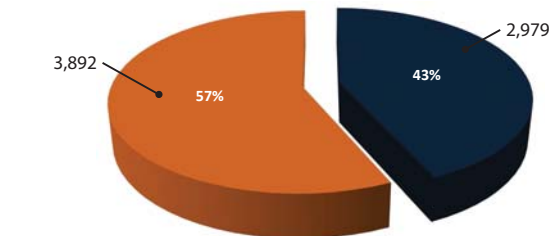
Total Highway Serious Crashes
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	457	1,377
2006	487	1,426
2007	411	1,511
2008	369	1,240
2009	319	1,090
2010	298	1,022
2011	316	1,009
2012	322	1,038
Total	2,979	9,713

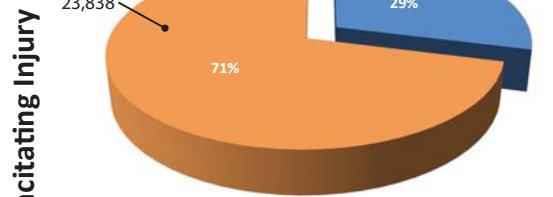
Total Crashes in Arizona
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	1,049	5,212
2006	1,126	4,934
2007	952	4,860
2008	843	4,133
2009	709	3,738
2010	695	3,576
2011	755	3,589
2012	742	3,509
Total	6,871	33,551

Highway Crashes
Compared to Total Crashes in Arizona



- Highway Fatal Crashes
- Other Fatal Crashes in Arizona



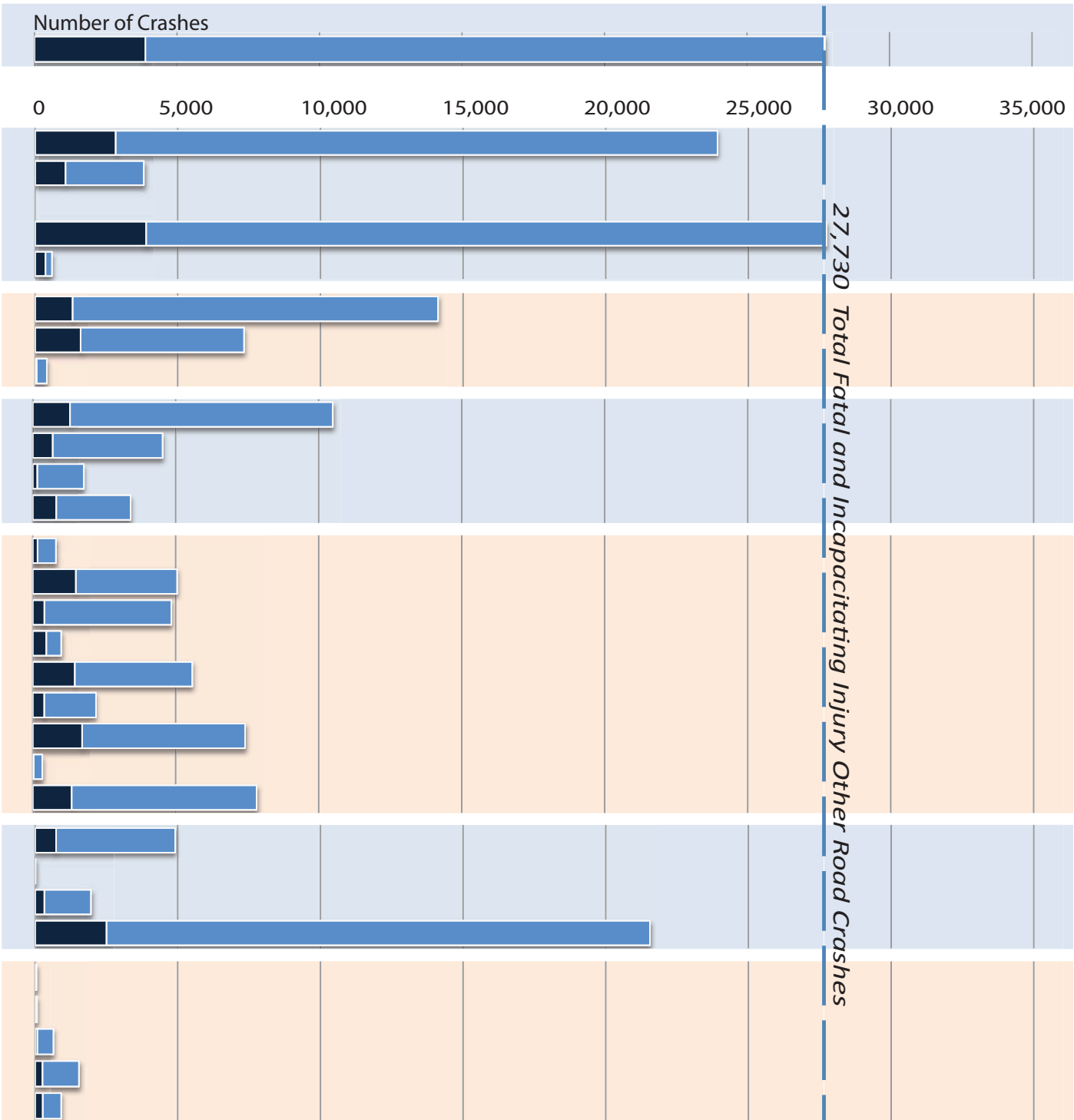
- Highway Incapacitating Injury Crashes
- Other Incapacitating Crashes in Arizona

Arizona Strategic Highway Safety Plan

Other Road Crash Summary | 2005-2012

Other Road Fatal and Incapacitating Injury Crash Statistics from 2005-2012

Other Road		Fatal		Incapacitating Injury		Total	
		3,892	100%	23,838	100%	27,730	100%
Characteristics		Fatal		Incapacitating Injury		Total	
		# of Crashes	% to total	# of Crashes	% to total	# of Crashes	% to total
Geographic	Urban	2,824	72.6%	21,093	88.5%	23,917	86.2%
	Rural	1,068	27.4%	2,745	11.5%	3,813	13.8%
	Highway	0	0.0%	0	0.0%	0	0.0%
	Other Road	3,892	100.0%	23,838	100.0%	27,730	100.0%
	Tribal Land	362	9.3%	232	1.0%	594	2.1%
Geometry	Intersection Related	1,315	33.8%	12,807	53.7%	14,122	50.9%
	Lane Departure	1,598	41.1%	5,728	24.0%	7,326	26.4%
	Work Zone	54	1.4%	358	1.5%	412	1.5%
Person Type	Young Driver (13-24)	1,305	33.5%	9,190	38.6%	10,495	37.8%
	65 and Older	701	18.0%	3,842	16.1%	4,543	16.4%
	Pedalcyclist Involved	163	4.2%	1,625	6.8%	1,788	6.4%
	Pedestrian Involved	822	21.1%	2,604	10.9%	3,426	12.4%
Behavior	Aggressive Driver	171	4.4%	643	2.7%	814	2.9%
	Alcohol Involved	1,510	38.8%	3,541	14.9%	5,051	18.2%
	Distracted Driver	410	10.5%	4,436	18.6%	4,846	17.5%
	Drug Involved	473	12.2%	524	2.2%	997	3.6%
	Impaired Driver	1,472	37.8%	4,110	17.2%	5,582	20.1%
	Unhelmeted Motorcyclist	406	10.4%	1,808	7.6%	2,214	8.0%
	No Restraint Used	1,729	44.4%	5,697	23.9%	7,426	26.8%
	Sleepy or Fatigued	36	0.9%	301	1.3%	337	1.2%
Vehicle	Speeding Involved	1,363	35.0%	6,468	27.1%	7,831	28.2%
	Motorcycle Involved	738	19.0%	4,174	17.5%	4,912	17.7%
	Train Involved	10	0.3%	7	0.0%	17	0.1%
	Truck Involved	328	8.4%	1,633	6.9%	1,961	7.1%
Environmental	Multiple Vehicle	2,502	64.3%	19,047	79.9%	21,549	77.7%
	Dust Related (Windy)	13	0.3%	36	0.2%	49	0.2%
	Wildlife/Animal Involved	6	0.2%	62	0.3%	68	0.2%
	Wet Weather	79	2.0%	569	2.4%	648	2.3%
	Dusk/ Dawn	261	6.7%	1,279	5.4%	1,540	5.6%
	Dark - No Light	267	6.9%	651	2.7%	918	3.3%



Note: The graphs illustrate the number of Other Road crashes that also involved the graphed characteristic.

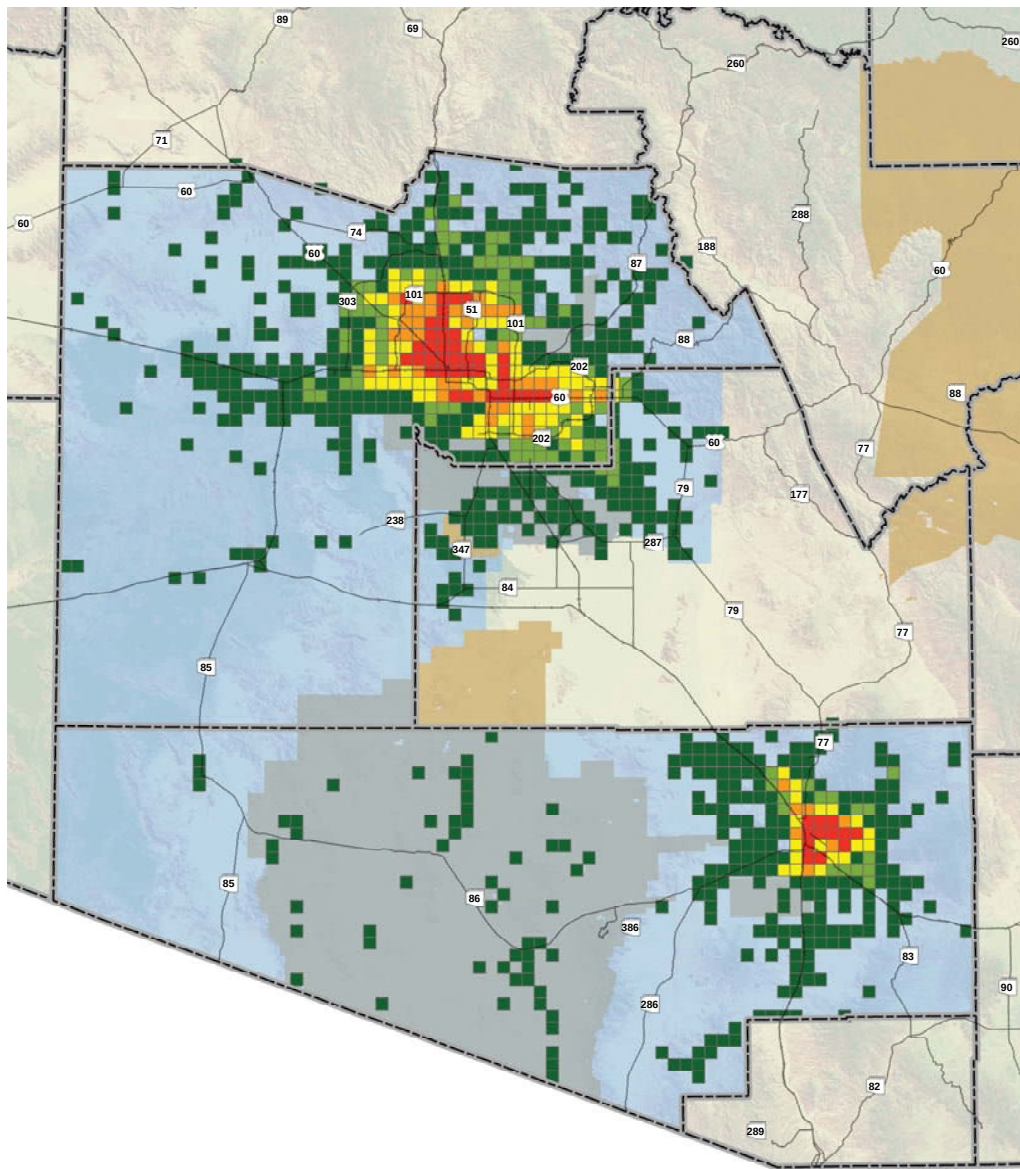
Notes:

- 1) The percentages shown in the table reflect the percent of Other Road crashes that also exhibit the characteristics being summarized.
- 2) Urban versus Rural designation of crash occurrence is based on the 2010 U.S. Census designation of urbanized areas.
- Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

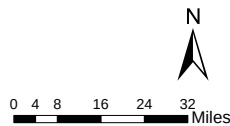
Arizona Strategic Highway Safety Plan

Other Road Crash Distribution | 2005-2012

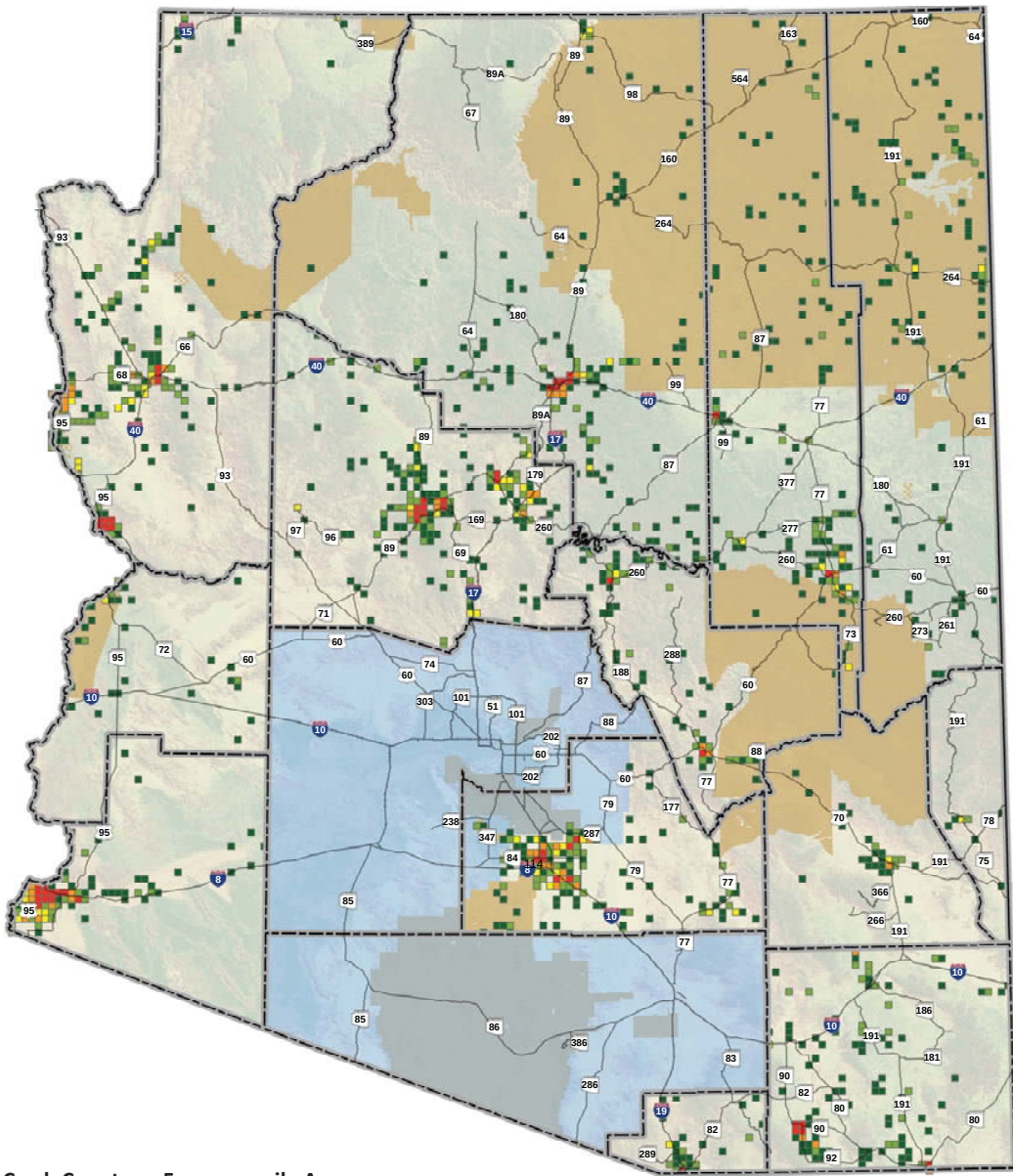
Density of Crashes in MAG/PAG TMA Regions



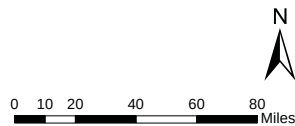
Crash Count per 5-square-mile Area
(Distribution Percentile)



Density of Crashes in non-TMA Regions



Crash Count per 5-square-mile Area
(Distribution Percentile)



Notes:
1) Crash statistics include all fatal and incapacitating injury crash incidents occurring between January 1, 2005 and December 31, 2012.
2) Transportation Management Areas (TMAs) currently exist in the Maricopa Association of Governments (MAG) Region and Pima Association of Governments (PAG) Region.
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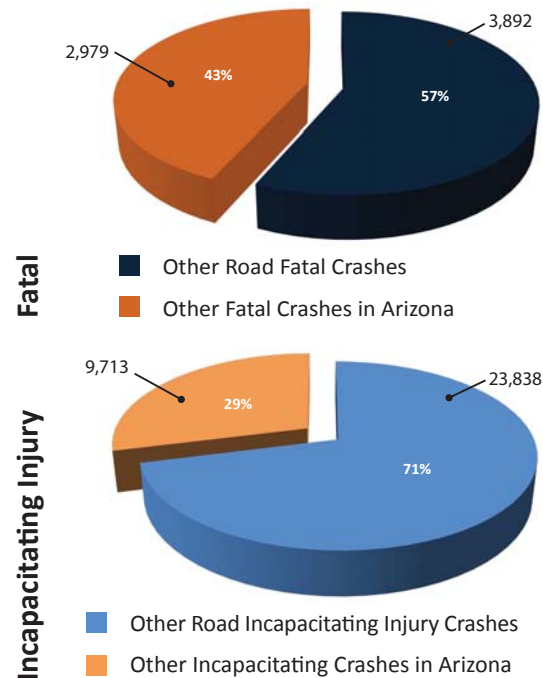
Total Other Road Serious Crashes
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	592	3,835
2006	639	3,508
2007	541	3,349
2008	474	2,893
2009	390	2,648
2010	397	2,554
2011	439	2,580
2012	420	2,471
Total	3,892	23,838

Total Crashes in Arizona
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	1,049	5,212
2006	1,126	4,934
2007	952	4,860
2008	843	4,133
2009	709	3,738
2010	695	3,576
2011	755	3,589
2012	742	3,509
Total	6,871	33,551

Other Road Crashes
Compared to Total Crashes in Arizona

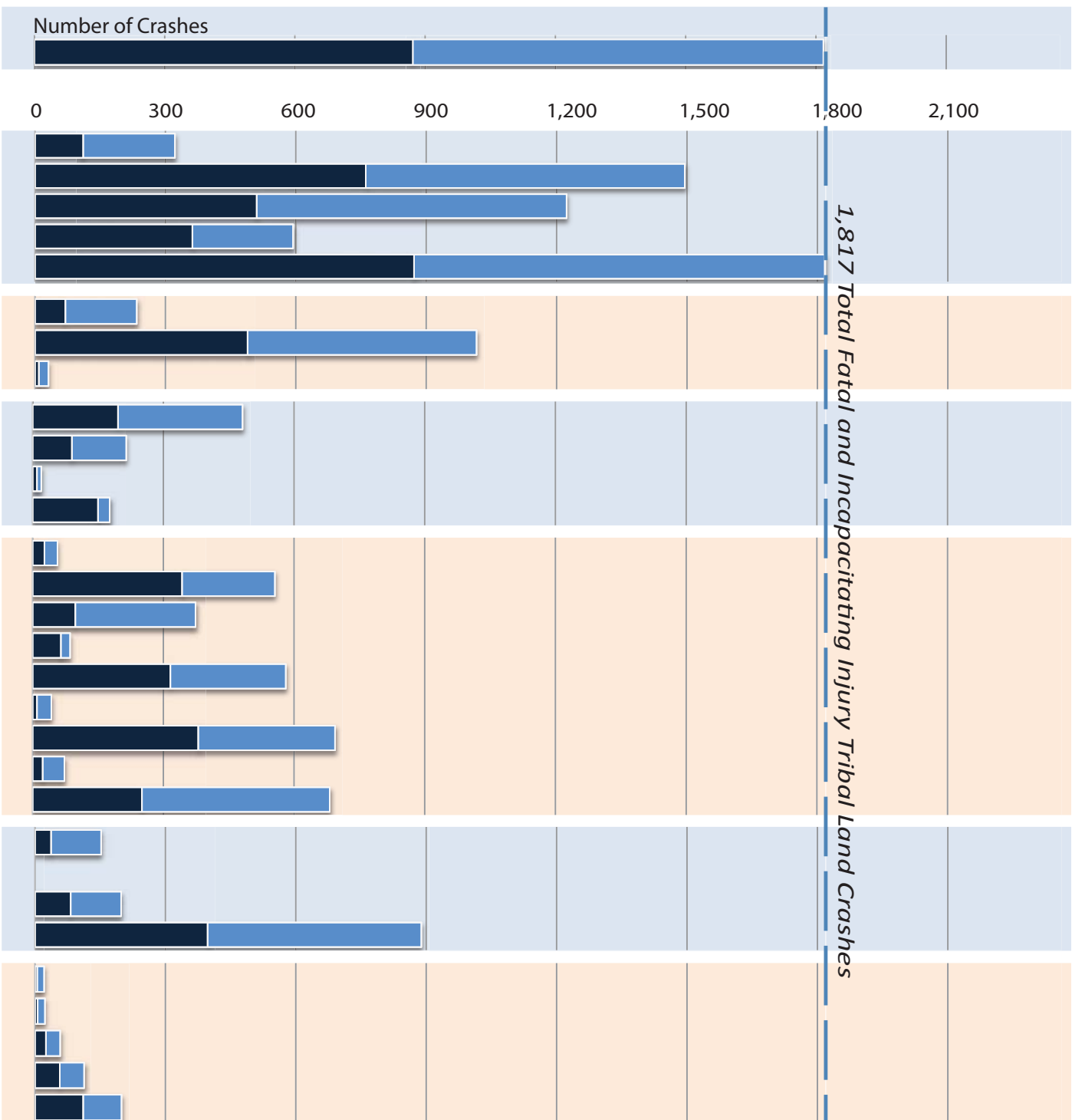


Arizona Strategic Highway Safety Plan

Tribal Land Crash Summary | 2005-2012

Tribal Land Fatal and Incapacitating Injury Crash Statistics from 2005-2012

Tribal Land		Fatal		Incapacitating Injury		Total	
		872	100%	945	100%	1,817	100%
Characteristics		Fatal		Incapacitating Injury		Total	
		# of Crashes	% to total	# of Crashes	% to total	# of Crashes	% to total
Geographic	Urban	111	12.7%	211	22.3%	322	17.7%
	Rural	761	87.3%	734	77.7%	1,495	82.3%
	Highway	510	58.5%	713	75.4%	1,223	67.3%
	Other Road	362	41.5%	232	24.6%	594	32.7%
	Tribal Land	872	100.0%	945	100.0%	1,817	100.0%
Geometry	Intersection Related	70	8.0%	164	17.4%	234	12.9%
	Lane Departure	489	56.1%	527	55.8%	1,016	55.9%
	Work Zone	9	1.0%	22	2.3%	31	1.7%
Person Type	Young Driver (13-24)	196	22.5%	286	30.3%	482	26.5%
	65 and Older	90	10.3%	125	13.2%	215	11.8%
	Pedalcyclist Involved	10	1.1%	10	1.1%	20	1.1%
	Pedestrian Involved	150	17.2%	27	2.9%	177	9.7%
Behavior	Aggressive Driver	27	3.1%	30	3.2%	57	3.1%
	Alcohol Involved	343	39.3%	213	22.5%	556	30.6%
	Distracted Driver	98	11.2%	276	29.2%	374	20.6%
	Drug Involved	65	7.5%	21	2.2%	86	4.7%
	Impaired Driver	316	36.2%	265	28.0%	581	32.0%
	Unhelmeted Motorcyclist	10	1.1%	33	3.5%	43	2.4%
	No Restraint Used	380	43.6%	314	33.2%	694	38.2%
	Sleepy or Fatigued	23	2.6%	50	5.3%	73	4.0%
Vehicle	Speeding Involved	251	28.8%	431	45.6%	682	37.5%
	Motorcycle Involved	37	4.2%	115	12.2%	152	8.4%
	Train Involved	0	0.0%	0	0.0%	0	0.0%
	Truck Involved	82	9.4%	116	12.3%	198	10.9%
Environmental	Multiple Vehicle	397	45.5%	492	52.1%	889	48.9%
	Dust Related (Windy)	5	0.6%	16	1.7%	21	1.2%
	Wildlife/Animal Involved	6	0.7%	17	1.8%	23	1.3%
	Wet Weather	25	2.9%	33	3.5%	58	3.2%
	Dusk/ Dawn	57	6.5%	56	5.9%	113	6.2%
	Dark - No Light	111	12.7%	88	9.3%	199	11.0%



Note: The graphs illustrate the number of Tribal Land crashes that also involved the graphed characteristic.

Notes:

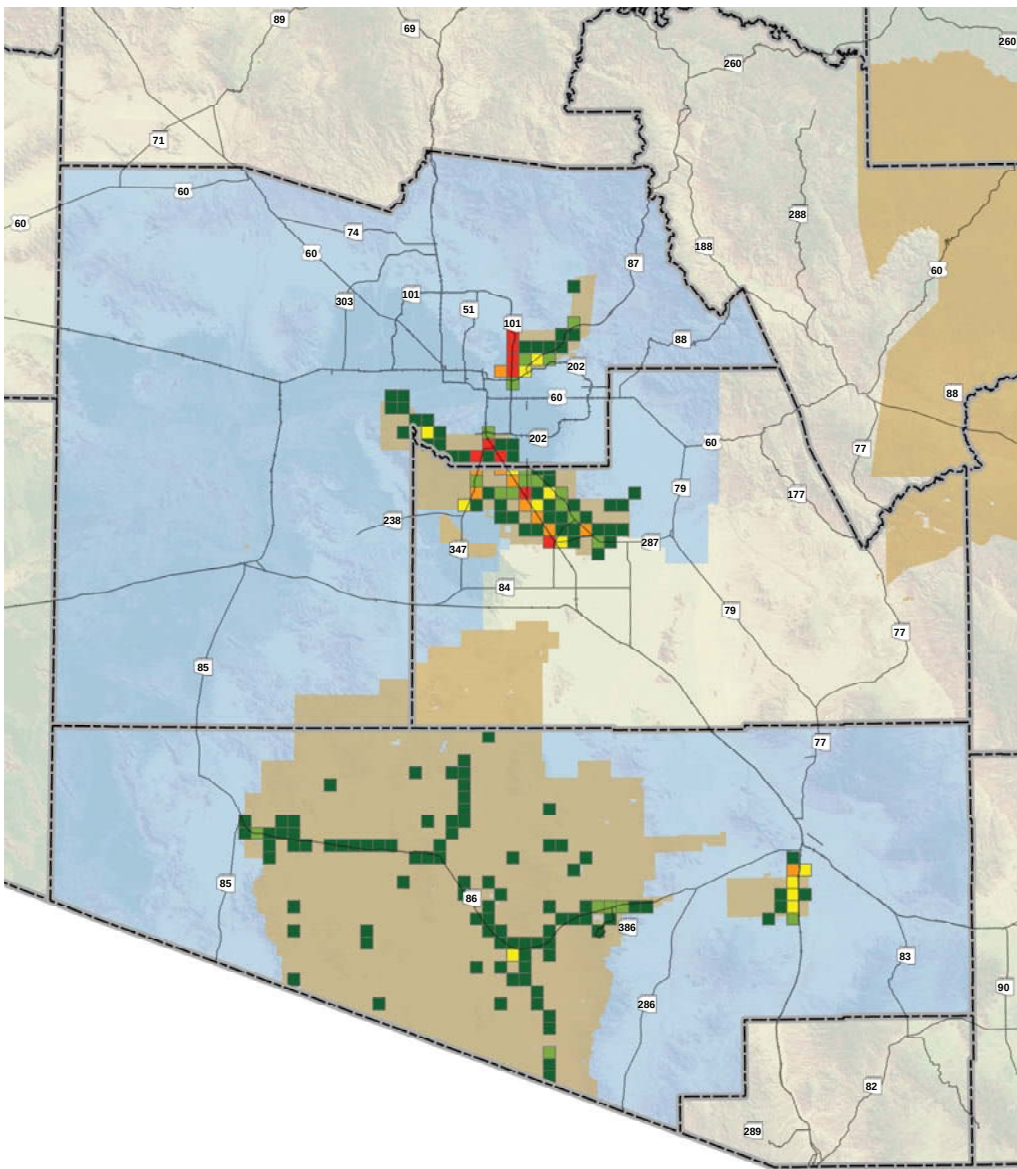
- 1) The percentages shown in the table reflect the percent of Tribal Land crashes that also exhibit the characteristics being summarized.
- 2) Urban versus Rural designation of crash occurrence is based on the 2010 U.S. Census designation of urbanized areas.

Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

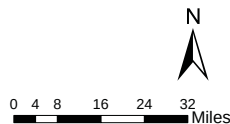
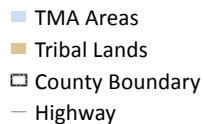
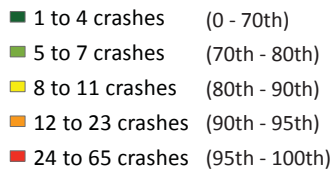
Arizona Strategic Highway Safety Plan

Tribal Land Crash Distribution | 2005-2012

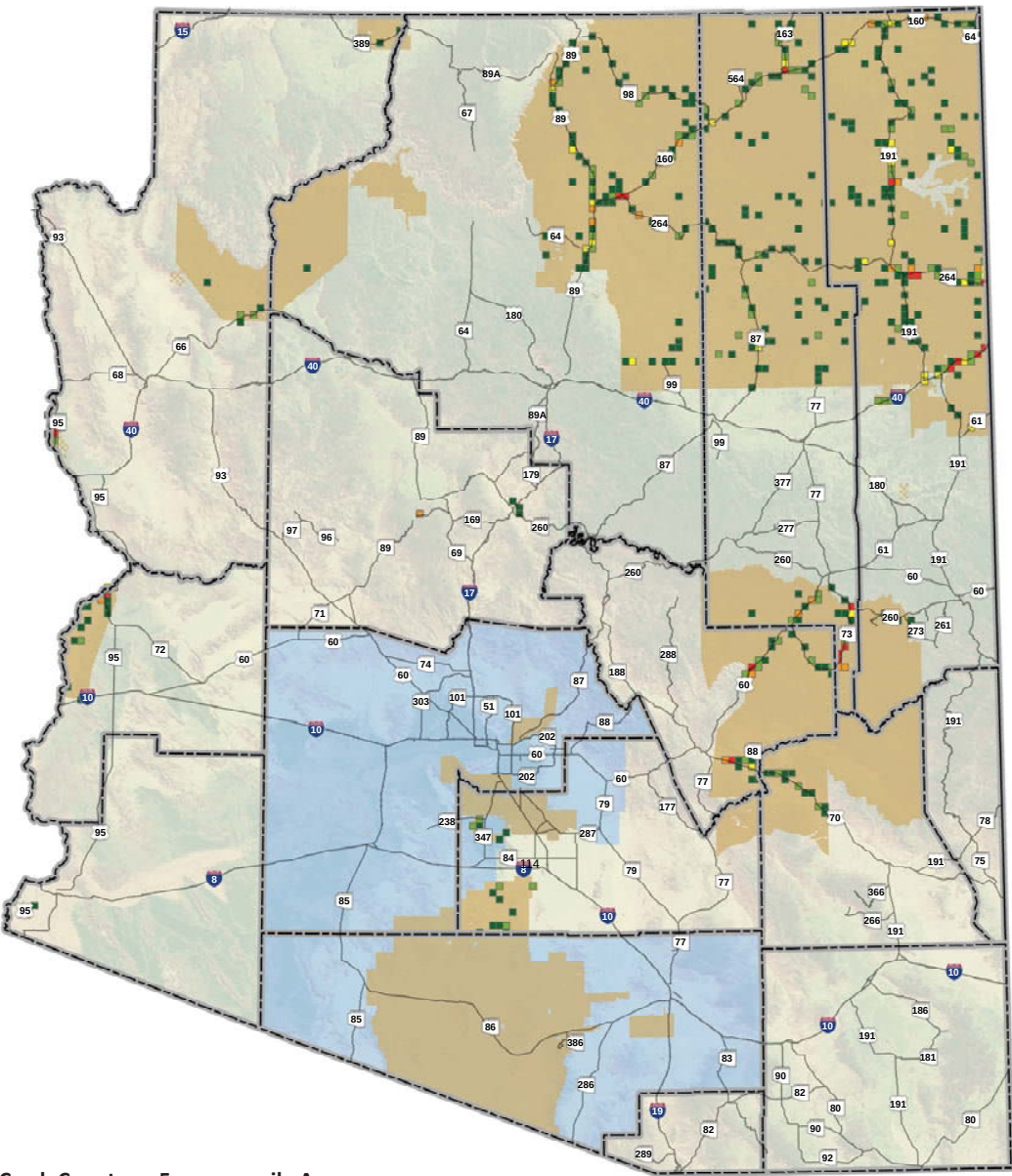
Density of Crashes in MAG/PAG TMA Regions



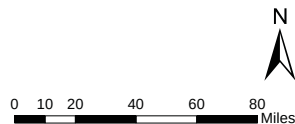
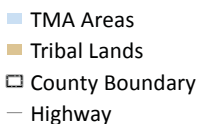
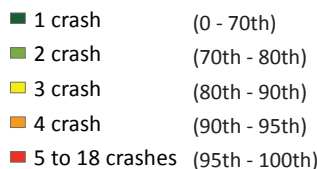
Crash Count per 5-square-mile Area
(Distribution Percentile)



Density of Crashes in non-TMA Regions



Crash Count per 5-square-mile Area
(Distribution Percentile)



Notes:
1) Crash statistics include all fatal and incapacitating injury crash incidents occurring between January 1, 2005 and December 31, 2012.
2) Transportation Management Areas (TMAs) currently exist in the Maricopa Association of Governments (MAG) Region and Pima Association of Governments (PAG) Region.
Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

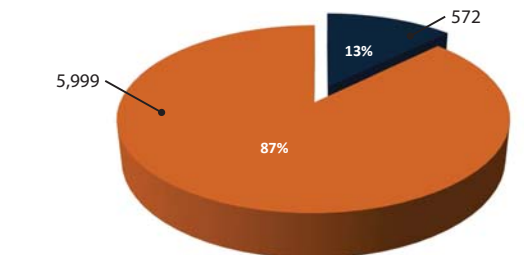
Total Tribal Land Serious Crashes
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	116	138
2006	152	142
2007	149	155
2008	104	114
2009	90	107
2010	73	96
2011	113	88
2012	75	105
Total	872	945

Total Crashes in Arizona
by Year 2005-2012

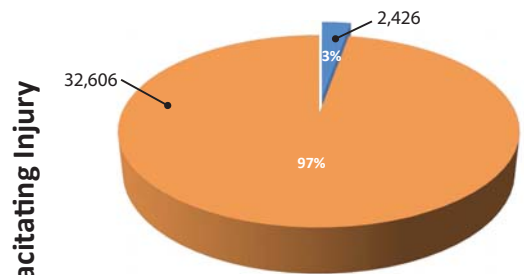
Year	Fatal	Incapacitating Injury
2005	1,049	5,212
2006	1,126	4,934
2007	952	4,860
2008	843	4,133
2009	709	3,738
2010	695	3,576
2011	755	3,589
2012	742	3,509
Total	6,871	33,551

Tribal Land Crashes
Compared to Total Crashes in Arizona



Fatal

- Tribal Land Fatal Crashes
- Other Fatal Crashes in Arizona



Incapacitating Injury

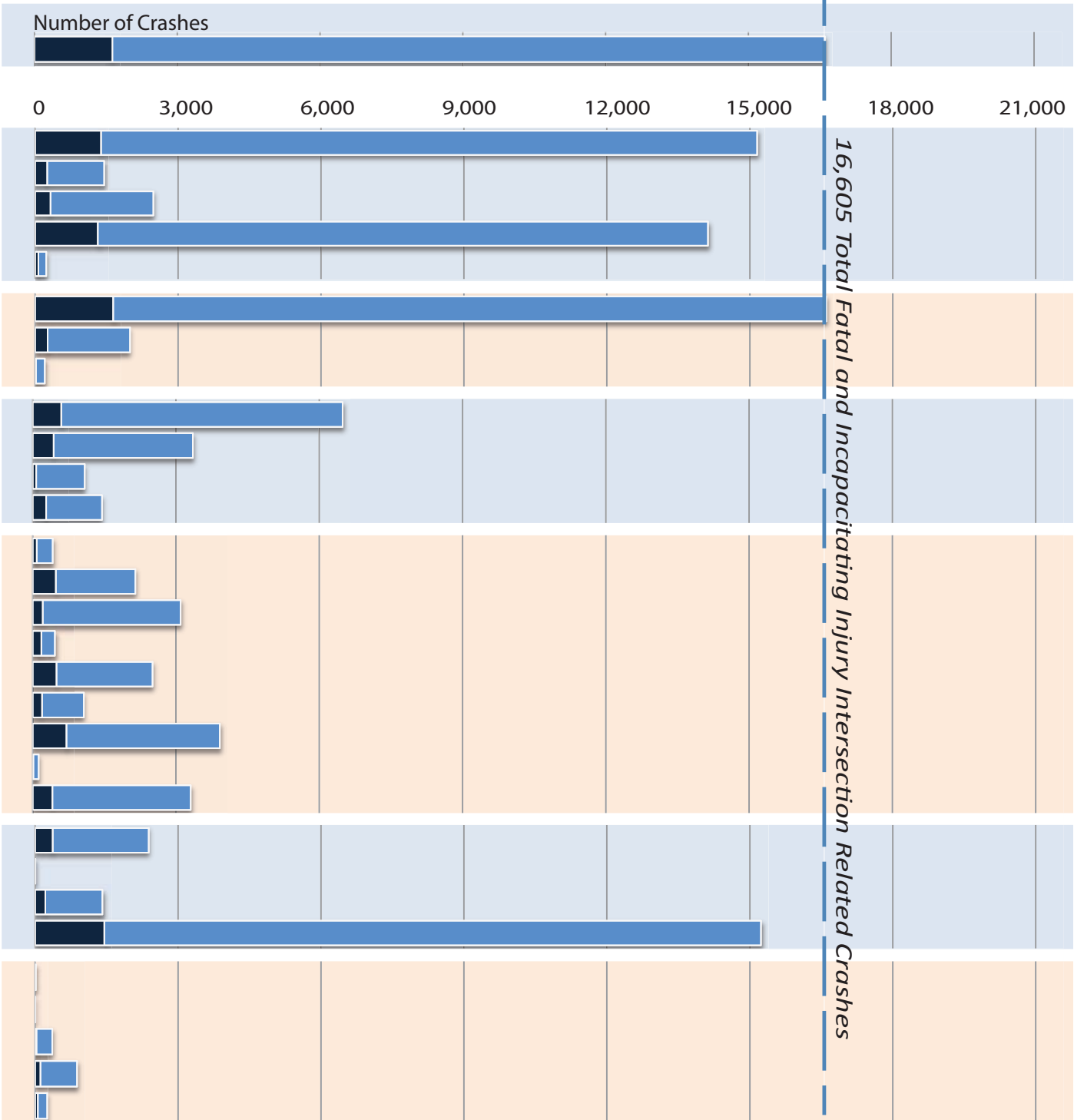
- Tribal Land Incapacitating Injury Crashes
- Other Incapacitating Crashes in Arizona

Arizona Strategic Highway Safety Plan

Intersection Related Crash Summary | 2005-2012

Intersection Related Fatal and Incapacitating Injury Crash Statistics from 2005-2012

Intersection Related		Fatal		Incapacitating Injury		Total	
		1,638	100%	14,967	100%	16,605	100%
Characteristics		Fatal		Incapacitating Injury		Total	
		# of Crashes	% to total	# of Crashes	% to total	# of Crashes	% to total
Geographic	Urban	1,384	84.5%	13,770	92.0%	15,154	91.3%
	Rural	254	15.5%	1,197	8.0%	1,451	8.7%
	Highway	323	19.7%	2,160	14.4%	2,483	15.0%
	Other Road	1,315	80.3%	12,807	85.6%	14,122	85.0%
	Tribal Land	70	4.3%	164	1.1%	234	1.4%
Geometry	Intersection Related	1,638	100.0%	14,967	100.0%	16,605	100.0%
	Lane Departure	265	16.2%	1,728	11.5%	1,993	12.0%
	Work Zone	18	1.1%	186	1.2%	204	1.2%
Person Type	Young Driver (13-24)	599	36.6%	5,890	39.4%	6,489	39.1%
	65 and Older	439	26.8%	2,916	19.5%	3,355	20.2%
	Pedalcyclist Involved	73	4.5%	1,015	6.8%	1,088	6.6%
	Pedestrian Involved	283	17.3%	1,167	7.8%	1,450	8.7%
Behavior	Aggressive Driver	85	5.2%	334	2.2%	419	2.5%
	Alcohol Involved	484	29.5%	1,666	11.1%	2,150	12.9%
	Distracted Driver	211	12.9%	2,886	19.3%	3,097	18.7%
	Drug Involved	183	11.2%	282	1.9%	465	2.8%
	Impaired Driver	499	30.5%	2,010	13.4%	2,509	15.1%
	Unhelmeted Motorcyclist	197	12.0%	875	5.8%	1,072	6.5%
	No Restraint Used	706	43.1%	3,212	21.5%	3,918	23.6%
	Sleepy or Fatigued	13	0.8%	113	0.8%	126	0.8%
Vehicle	Speeding Involved	412	25.2%	2,895	19.3%	3,307	19.9%
	Motorcycle Involved	369	22.5%	2,015	13.5%	2,384	14.4%
	Train Involved	1	0.1%	6	0.0%	7	0.0%
	Truck Involved	215	13.1%	1,197	8.0%	1,412	8.5%
	Multiple Vehicle	1,452	88.6%	13,783	92.1%	15,235	91.7%
Environmental	Dust Related (Windy)	2	0.1%	13	0.1%	15	0.1%
	Wildlife/Animal Involved	0	0.0%	7	0.0%	7	0.0%
	Wet Weather	29	1.8%	331	2.2%	360	2.2%
	Dusk/ Dawn	112	6.8%	769	5.1%	881	5.3%
	Dark - No Light	59	3.6%	197	1.3%	256	1.5%



Note: The graphs illustrate the number of Intersection Related crashes that also involved the graphed characteristic.

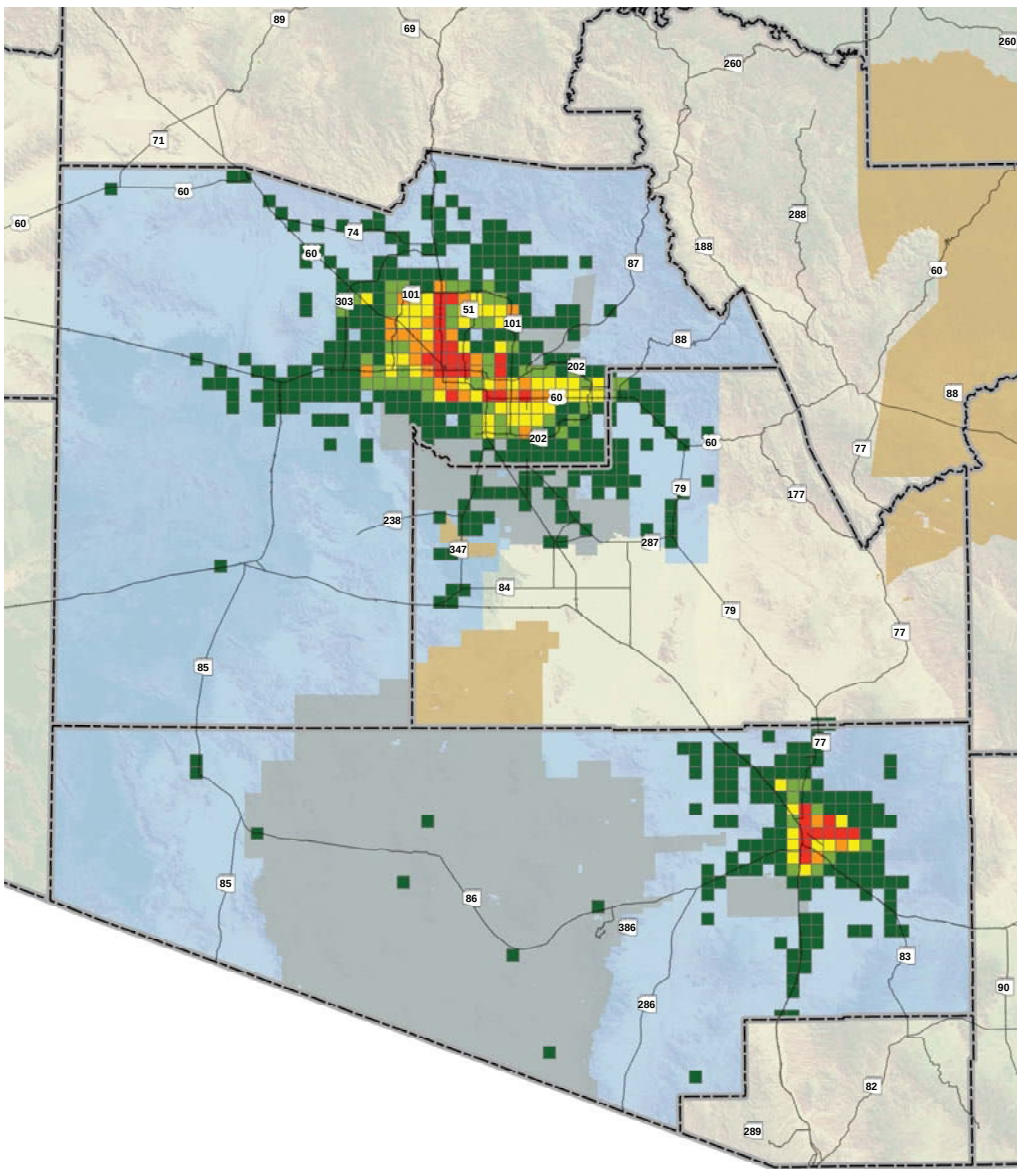
Notes:

- 1) The percentages shown in the table reflect the percent of Intersection Related crashes that also exhibit the characteristics being summarized.
- 2) Urban versus Rural designation of crash occurrence is based on the 2010 U.S. Census designation of urbanized areas.
- Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

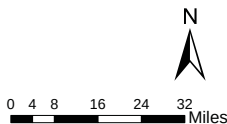
Arizona Strategic Highway Safety Plan

Intersection Related Crash Distribution | 2005-2012

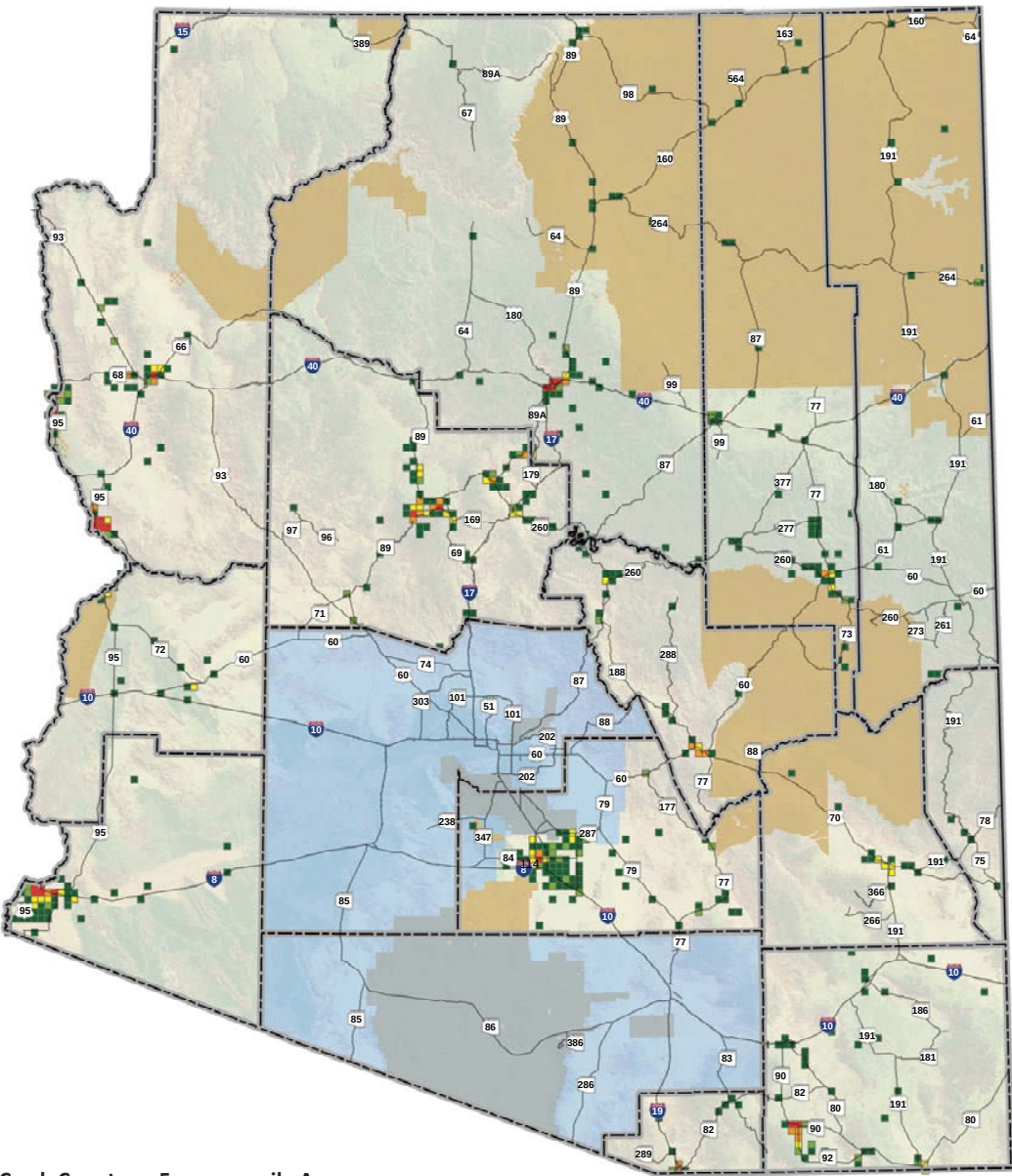
Density of Crashes in MAG/PAG TMA Regions



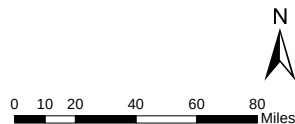
Crash Count per 5-square-mile Area
(Distribution Percentile)



Density of Crashes in non-TMA Regions



Crash Count per 5-square-mile Area
(Distribution Percentile)



Notes:
1) Crash statistics include all fatal and incapacitating injury crash incidents occurring between January 1, 2005 and December 31, 2012.
2) Transportation Management Areas (TMAs) currently exist in the Maricopa Association of Governments (MAG) Region and Pima Association of Governments (PAG) Region.
Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

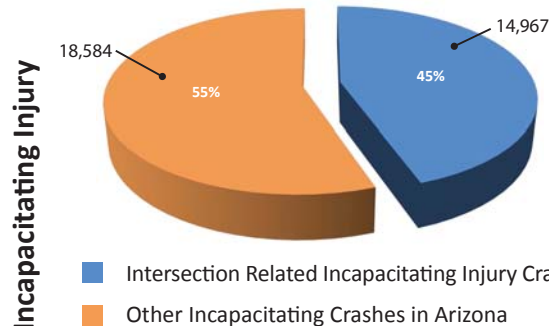
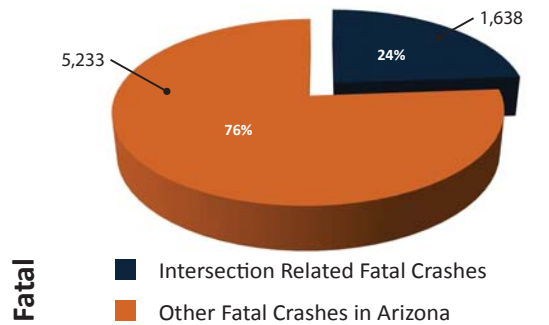
Total Intersection Related Serious Crashes
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	245	2,401
2006	285	2,219
2007	223	2,071
2008	206	1,759
2009	156	1,613
2010	164	1,593
2011	186	1,689
2012	173	1,622
Total	1,638	14,967

Total Crashes in Arizona
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	1,049	5,212
2006	1,126	4,934
2007	952	4,860
2008	843	4,133
2009	709	3,738
2010	695	3,576
2011	755	3,589
2012	742	3,509
Total	6,871	33,551

Intersection Related Crashes
Compared to Total Crashes in Arizona

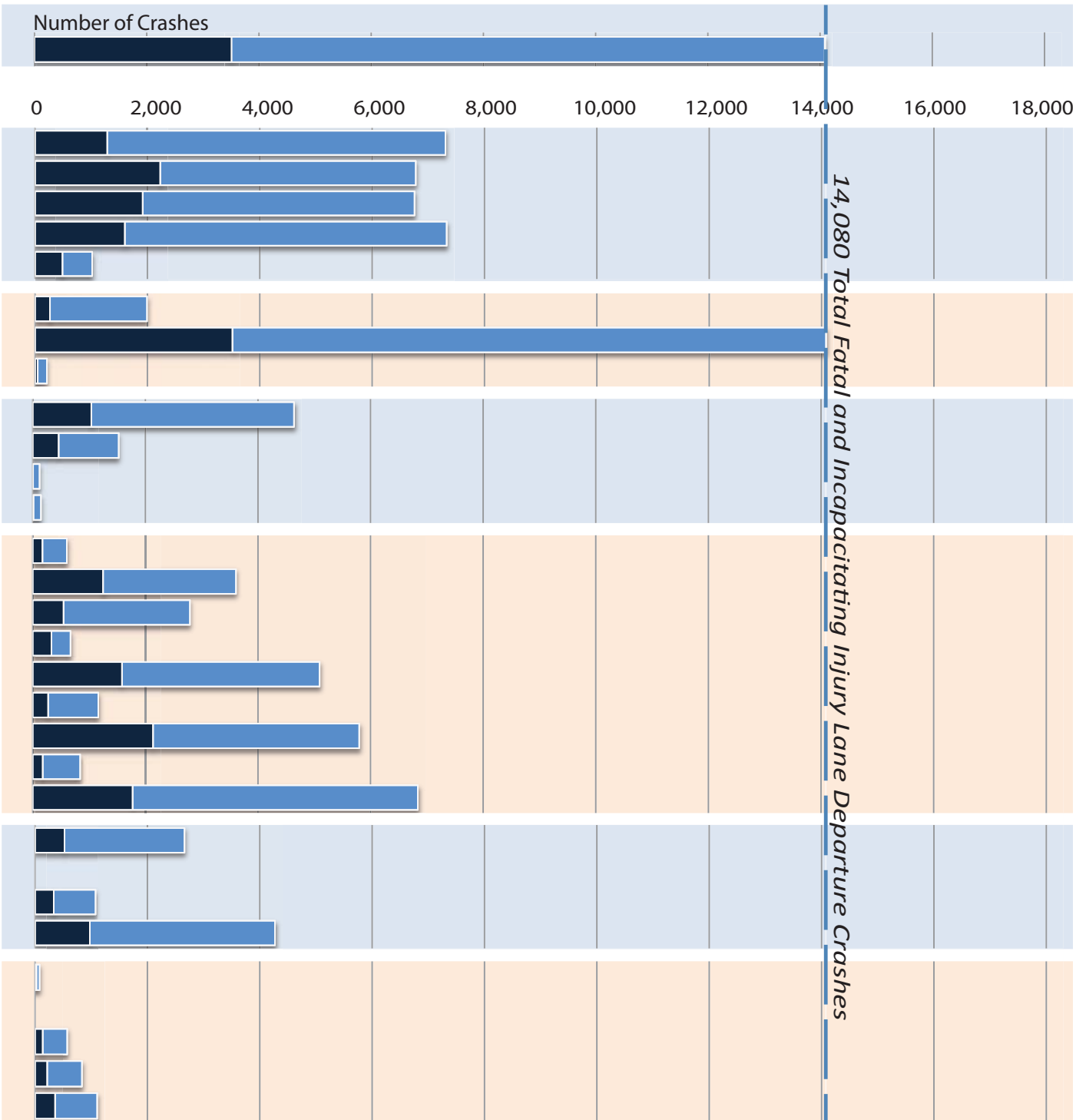


Arizona Strategic Highway Safety Plan

Lane Departure Crash Summary | 2005-2012

Lane Departure Fatal and Incapacitating Injury Crash Statistics from 2005-2012

Lane Departure		Fatal		Incapacitating Injury		Total	
		3,514	100%	10,566	100%	14,080	100%
Characteristics		Fatal		Incapacitating Injury		Total	
		# of Crashes	% to total	# of Crashes	% to total	# of Crashes	% to total
Geographic	Urban	1,286	36.6%	6,018	57.0%	7,304	51.9%
	Rural	2,228	63.4%	4,548	43.0%	6,776	48.1%
	Highway	1,916	54.5%	4,838	45.8%	6,754	48.0%
	Other Road	1,598	45.5%	5,728	54.2%	7,326	52.0%
	Tribal Land	489	13.9%	527	5.0%	1,016	7.2%
Geometry	Intersection Related	265	7.5%	1,728	16.4%	1,993	14.2%
	Lane Departure	3,514	100.0%	10,566	100.0%	14,080	100.0%
	Work Zone	47	1.3%	164	1.6%	211	1.5%
Person Type	Young Driver (13-24)	1,041	29.6%	3,601	34.1%	4,642	33.0%
	65 and Older	461	13.1%	1,067	10.1%	1,528	10.9%
	Pedalcyclist Involved	6	0.2%	116	1.1%	122	0.9%
	Pedestrian Involved	13	0.4%	133	1.3%	146	1.0%
Behavior	Aggressive Driver	173	4.9%	434	4.1%	607	4.3%
	Alcohol Involved	1,250	35.6%	2,360	22.3%	3,610	25.6%
	Distracted Driver	549	15.6%	2,244	21.2%	2,793	19.8%
	Drug Involved	334	9.5%	337	3.2%	671	4.8%
	Impaired Driver	1,586	45.1%	3,510	33.2%	5,096	36.2%
	Unhelmeted Motorcyclist	275	7.8%	891	8.4%	1,166	8.3%
	No Restraint Used	2,137	60.8%	3,663	34.7%	5,800	41.2%
	Sleepy or Fatigued	179	5.1%	664	6.3%	843	6.0%
Vehicle	Speeding Involved	1,774	50.5%	5,066	47.9%	6,840	48.6%
	Motorcycle Involved	524	14.9%	2,137	20.2%	2,661	18.9%
	Train Involved	0	0.0%	0	0.0%	0	0.0%
	Truck Involved	334	9.5%	744	7.0%	1,078	7.7%
	Multiple Vehicle	975	27.7%	3,296	31.2%	4,271	30.3%
Environmental	Dust Related (Windy)	24	0.7%	56	0.5%	80	0.6%
	Wildlife/Animal Involved	0	0.0%	0	0.0%	0	0.0%
	Wet Weather	137	3.9%	435	4.1%	572	4.1%
	Dusk/ Dawn	217	6.2%	618	5.8%	835	5.9%
	Dark - No Light	358	10.2%	747	7.1%	1,105	7.8%



Notes:

1) The percentages shown in the table reflect the percent of Lane Departure crashes that also exhibit the characteristics being summarized.

2) Urban versus Rural designation of crash occurrence is based on the 2010 U.S. Census designation of urbanized areas.

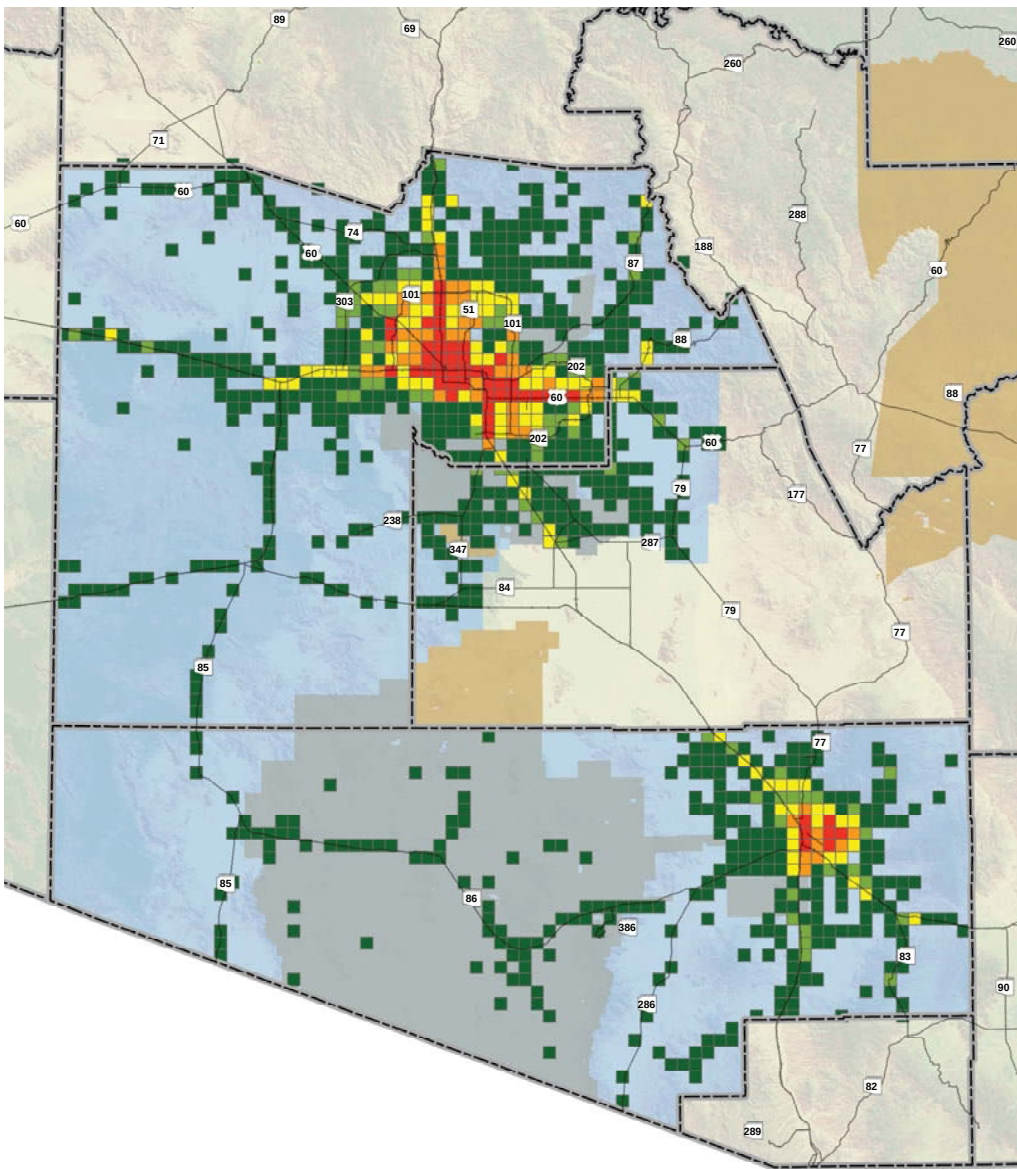
Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

Note: The graphs illustrate the number of Lane Departure crashes that also involved the graphed characteristic.

Arizona Strategic Highway Safety Plan

Lane Departure Crash Distribution | 2005-2012

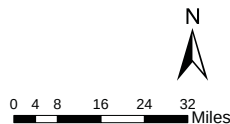
Density of Crashes in MAG/PAG TMA Regions



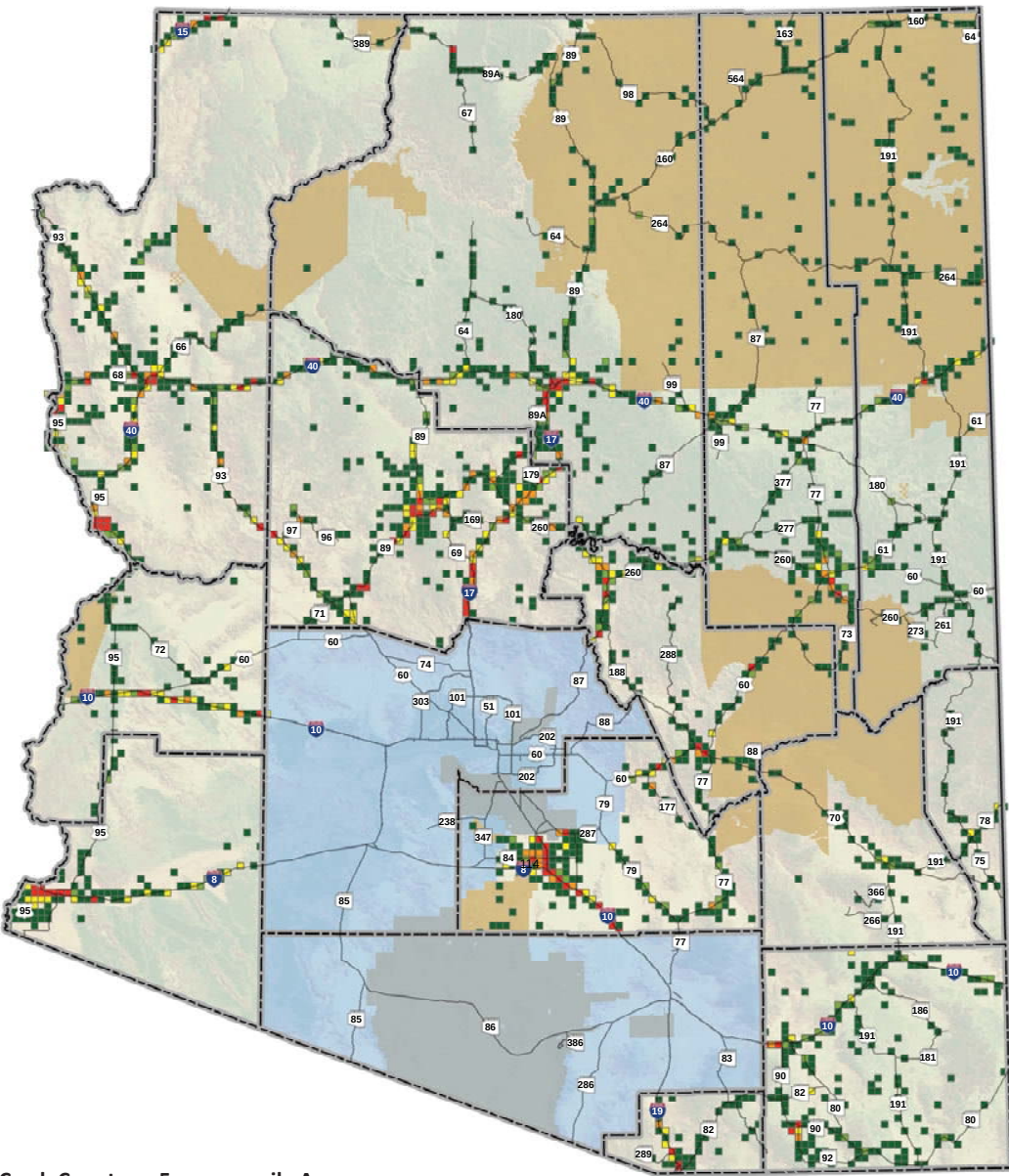
Crash Count per 5-square-mile Area
(Distribution Percentile)

- 1 to 7 crashes (0 - 70th)
- 8 to 10 crashes (70th - 80th)
- 11 to 21 crashes (80th - 90th)
- 22 to 31 crashes (90th - 95th)
- 32 to 235 crashes (95th - 100th)

- TMA Areas
- Tribal Lands
- County Boundary
- Highway



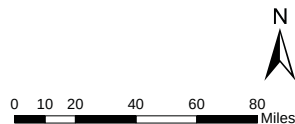
Density of Crashes in non-TMA Regions



Crash Count per 5-square-mile Area
(Distribution Percentile)

- 1 to 3 crashes (0 - 70th)
- 4 crashes (70th - 80th)
- 5 to 6 crashes (80th - 90th)
- 7 to 8 crashes (90th - 95th)
- 9 to 47 crashes (95th - 100th)

- TMA Areas
- Tribal Lands
- County Boundary
- Highway



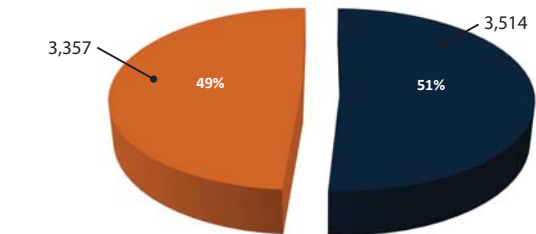
Total Lane Departure Serious Crashes
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	522	1,492
2006	552	1,504
2007	508	1,523
2008	449	1,259
2009	392	1,383
2010	339	1,225
2011	364	1,106
2012	388	1,074
Total	3,514	10,566

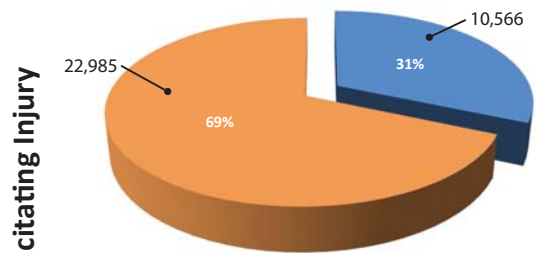
Total Crashes in Arizona
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	1,049	5,212
2006	1,126	4,934
2007	952	4,860
2008	843	4,133
2009	709	3,738
2010	695	3,576
2011	755	3,589
2012	742	3,509
Total	6,871	33,551

Lane Departure Crashes
Compared to Total Crashes in Arizona



- Lane Departure Fatal Crashes
- Other Fatal Crashes in Arizona



- Lane Departure Incapacitating Injury Crashes
- Other Incapacitating Crashes in Arizona

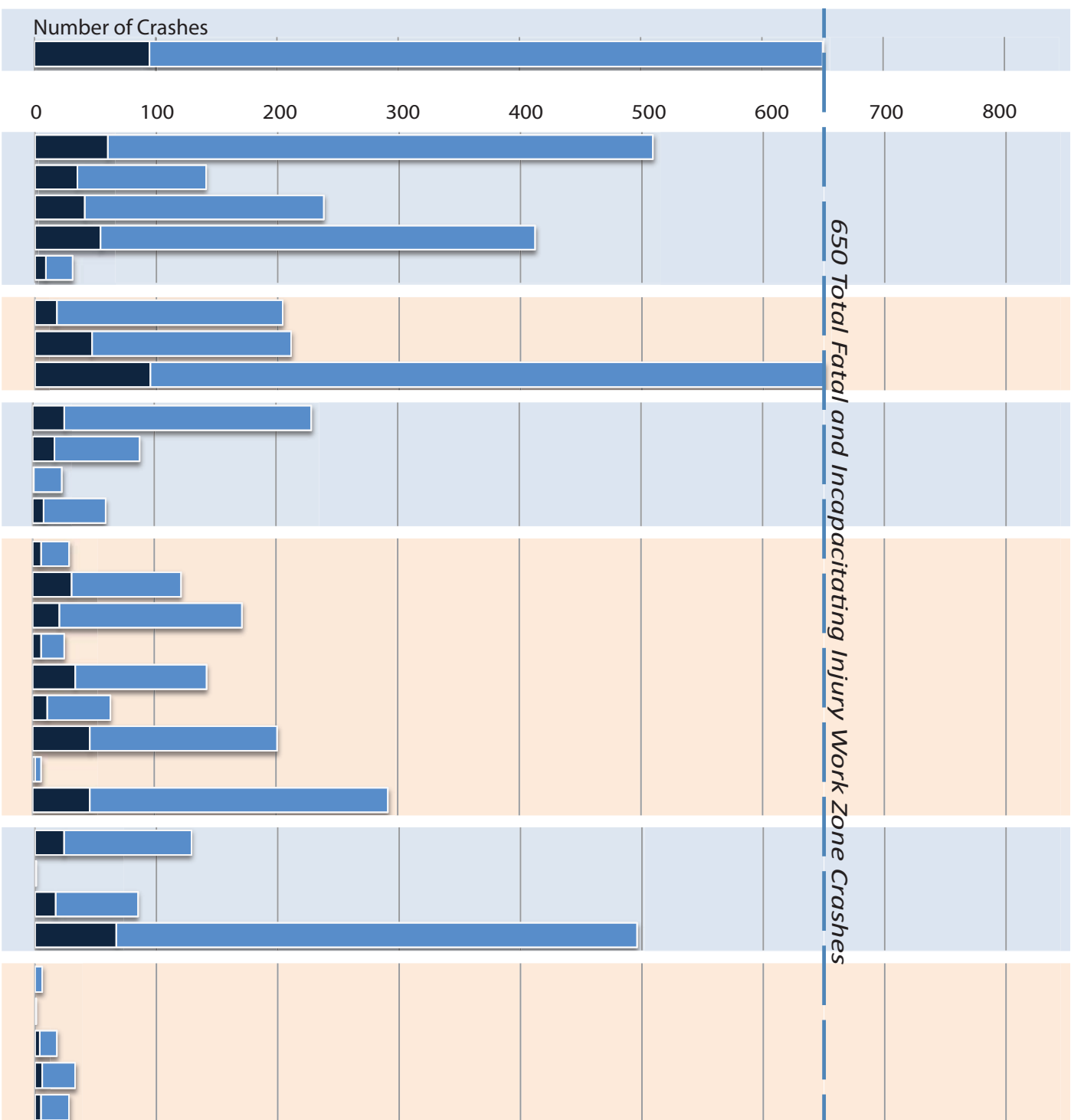
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1) Crash statistics include all fatal and incapacitating injury crash incidents occurring between January 1, 2005 and December 31, 2012.
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Arizona Strategic Highway Safety Plan

Work Zone Crash Summary | 2005-2012

Work Zone Fatal and Incapacitating Injury Crash Statistics from 2005-2012

Work Zone		Fatal		Incapacitating Injury		Total	
		95	100%	555	100%	650	100%
Characteristics		Fatal		Incapacitating Injury		Total	
		# of Crashes	% to total	# of Crashes	% to total	# of Crashes	% to total
Geographic	Urban	60	63.2%	449	80.9%	509	78.3%
	Rural	35	36.8%	106	19.1%	141	21.7%
	Highway	41	43.2%	197	35.5%	238	36.6%
	Other Road	54	56.8%	358	64.5%	412	63.4%
	Tribal Land	9	9.5%	22	4.0%	31	4.8%
Geometry	Intersection Related	18	18.9%	186	33.5%	204	31.4%
	Lane Departure	47	49.5%	164	29.5%	211	32.5%
	Work Zone	95	100.0%	555	100.0%	650	100.0%
Person Type	Young Driver (13-24)	26	27.4%	203	36.6%	229	35.2%
	65 and Older	18	18.9%	70	12.6%	88	13.5%
	Pedalcyclist Involved	1	1.1%	23	4.1%	24	3.7%
	Pedestrian Involved	9	9.5%	51	9.2%	60	9.2%
Behavior	Aggressive Driver	7	7.4%	23	4.1%	30	4.6%
	Alcohol Involved	32	33.7%	90	16.2%	122	18.8%
	Distracted Driver	22	23.2%	150	27.0%	172	26.5%
	Drug Involved	7	7.4%	19	3.4%	26	4.0%
	Impaired Driver	35	36.8%	108	19.5%	143	22.0%
	Unhelmeted Motorcyclist	12	12.6%	52	9.4%	64	9.8%
	No Restraint Used	47	49.5%	154	27.7%	201	30.9%
	Sleepy or Fatigued	2	2.1%	5	0.9%	7	1.1%
	Speeding Involved	47	49.5%	245	44.1%	292	44.9%
Vehicle	Motorcycle Involved	24	25.3%	105	18.9%	129	19.8%
	Train Involved	0	0.0%	1	0.2%	1	0.2%
	Truck Involved	17	17.9%	68	12.3%	85	13.1%
	Multiple Vehicle	67	70.5%	429	77.3%	496	76.3%
Environmental	Dust Related (Windy)	0	0.0%	6	1.1%	6	0.9%
	Wildlife/Animal Involved	0	0.0%	1	0.2%	1	0.2%
	Wet Weather	4	4.2%	14	2.5%	18	2.8%
	Dusk/ Dawn	6	6.3%	27	4.9%	33	5.1%
	Dark - No Light	5	5.3%	23	4.1%	28	4.3%



Notes:

- 1) The percentages shown in the table reflect the percent of Work Zone crashes that also exhibit the characteristics being summarized.
2) Urban versus Rural designation of crash occurrence is based on the 2010 U.S. Census designation of urbanized areas.

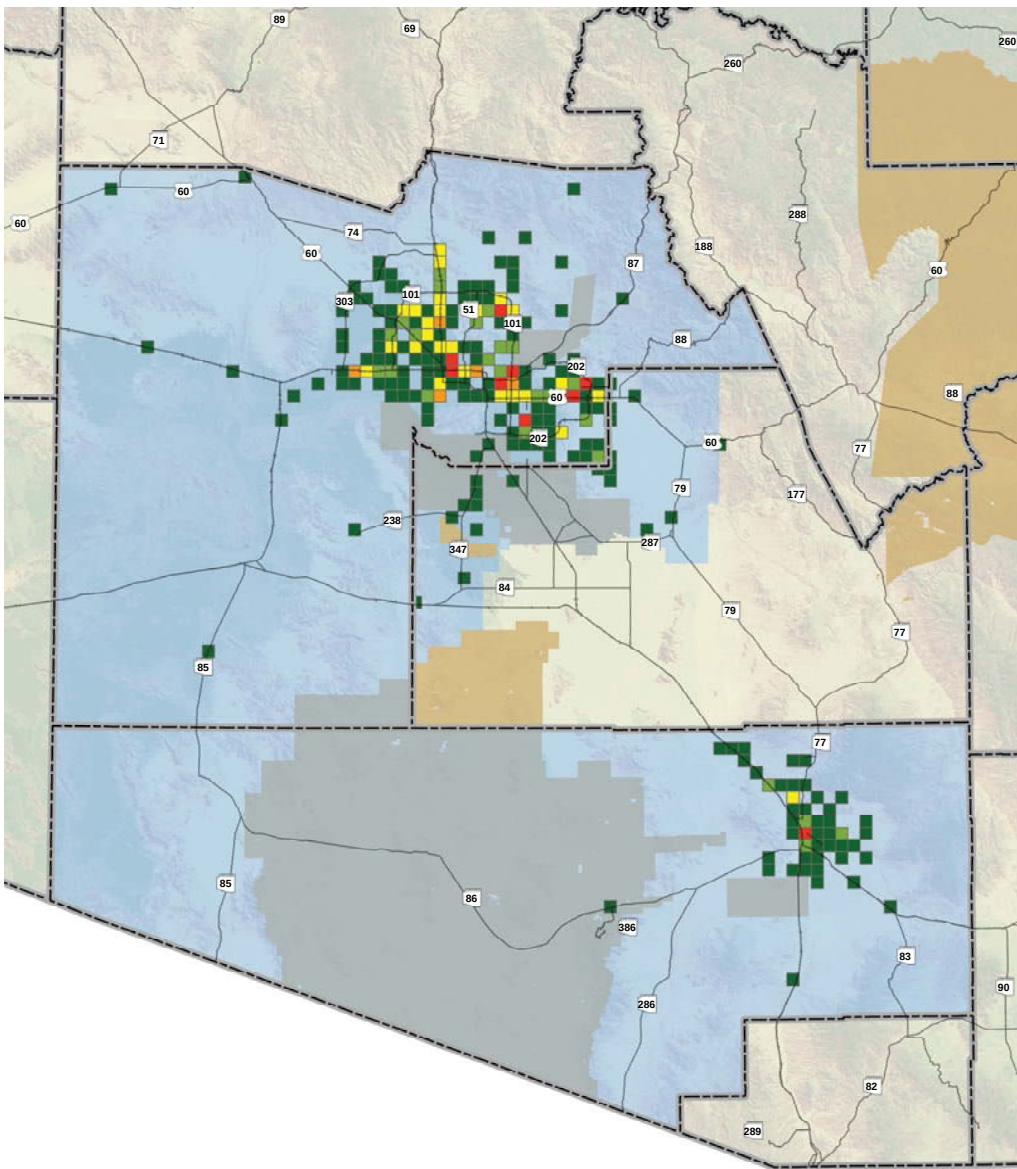
Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.



Arizona Strategic Highway Safety Plan

Work Zone Crash Distribution | 2005-2012

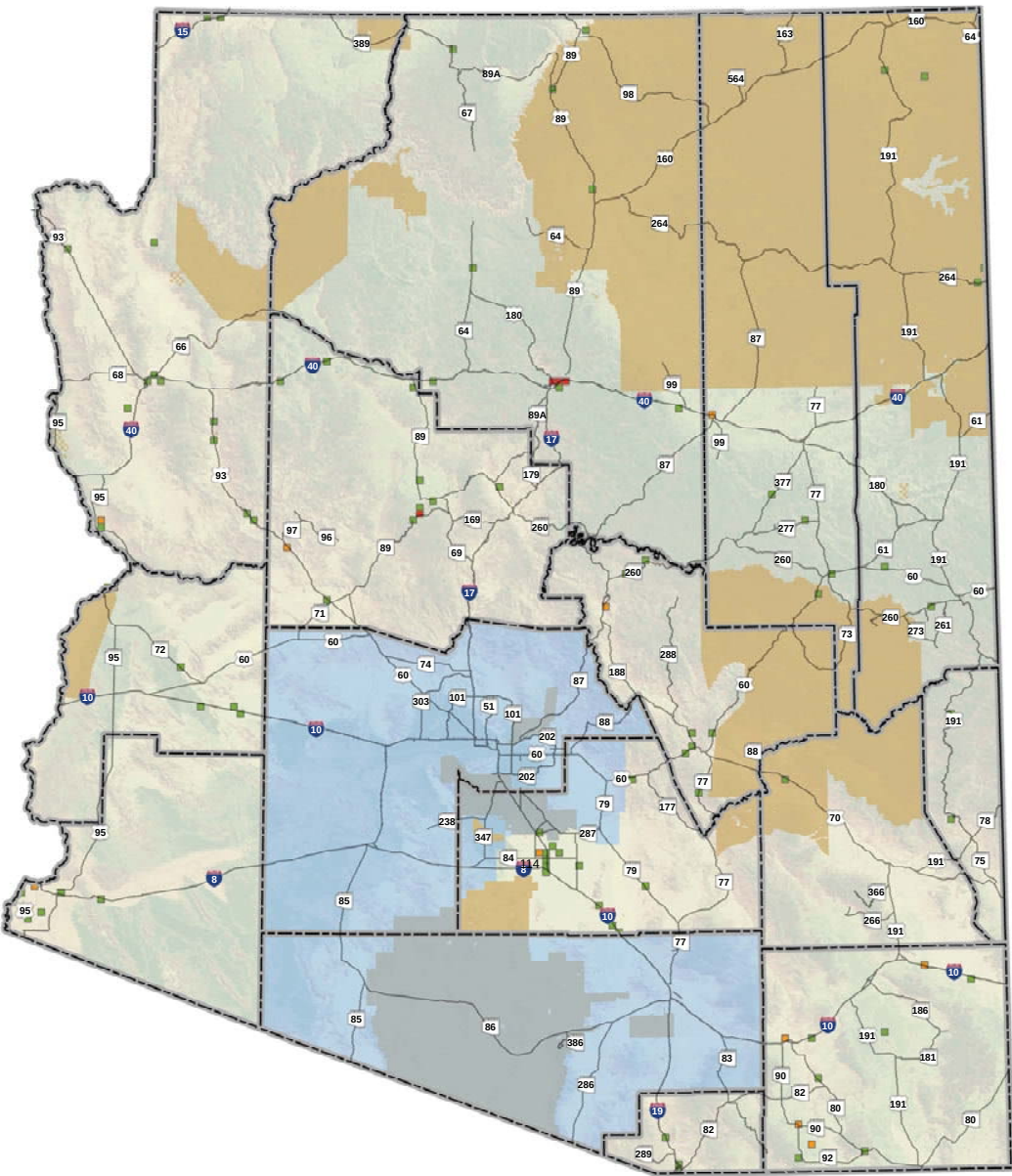
Density of Crashes in MAG/PAG TMA Regions



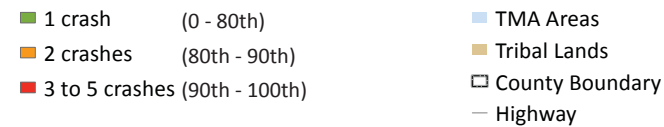
Crash Count per 5-square-mile Area
(Distribution Percentile)



Density of Crashes in non-TMA Regions



Crash Count per 5-square-mile Area
(Distribution Percentile)



Notes:
1) Crash statistics include all fatal and incapacitating injury crash incidents occurring between January 1, 2005 and December 31, 2012.
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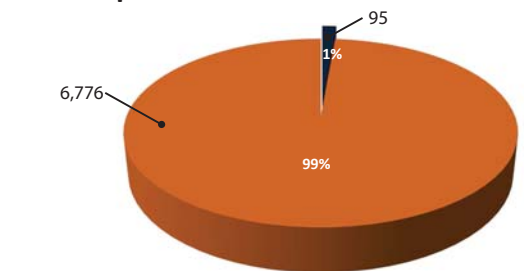
Total Work Zone Serious Crashes
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	15	81
2006	23	103
2007	19	114
2008	13	109
2009	4	49
2010	8	37
2011	6	32
2012	7	30
Total	95	555

Total Crashes in Arizona
by Year 2005-2012

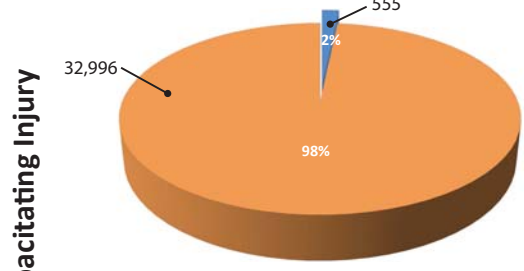
Year	Fatal	Incapacitating Injury
2005	1,049	5,212
2006	1,126	4,934
2007	952	4,860
2008	843	4,133
2009	709	3,738
2010	695	3,576
2011	755	3,589
2012	742	3,509
Total	6,871	33,551

Work Zone Crashes
Compared to Total Crashes in Arizona



Fatal

Legend: Work Zone Fatal Crashes (dark blue), Other Fatal Crashes in Arizona (orange)



Incapacitating Injury

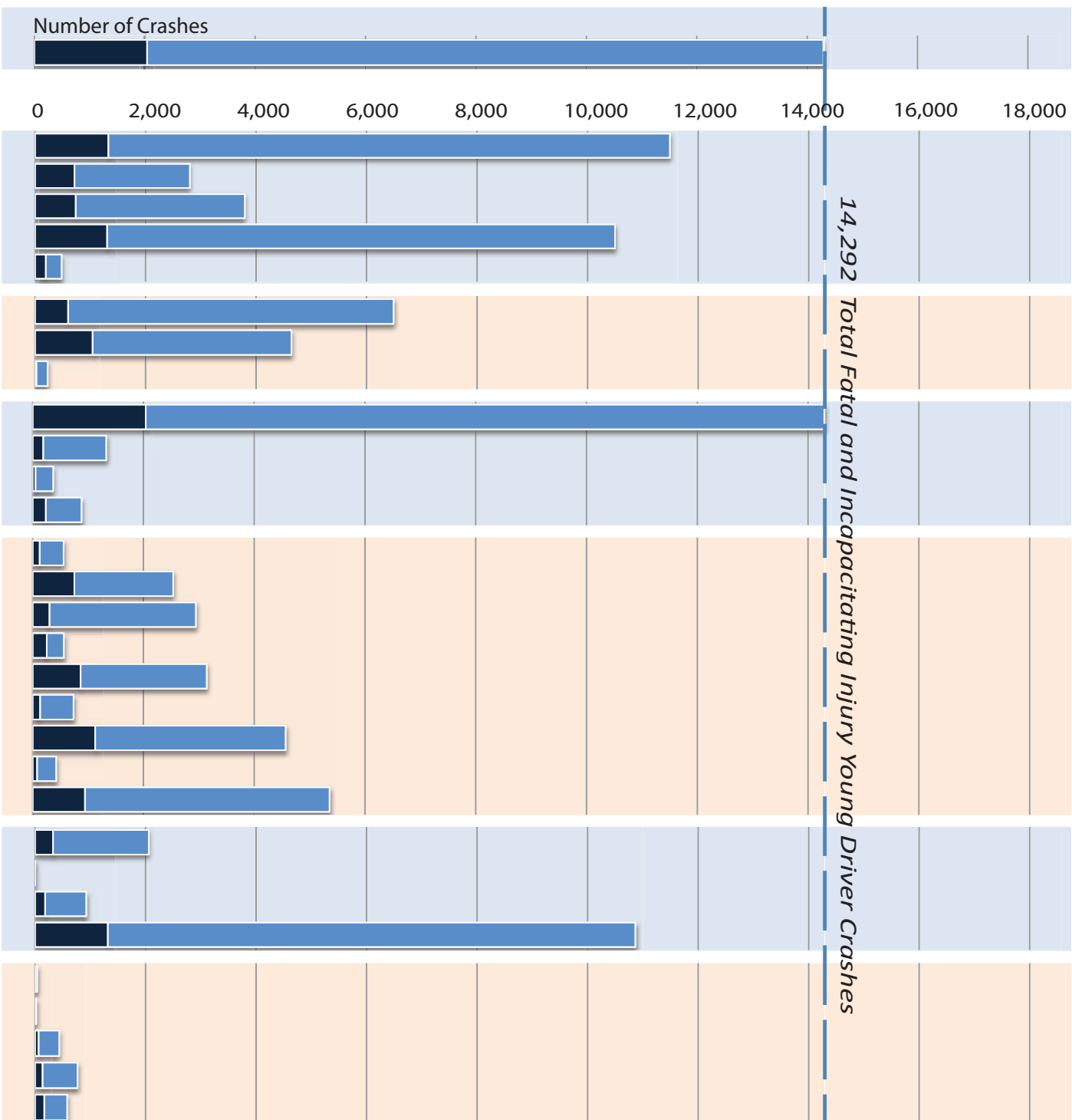
Legend: Work Zone Incapacitating Injury Crashes (dark blue), Other Incapacitating Crashes in Arizona (orange)

Arizona Strategic Highway Safety Plan

Young Driver Crash Summary | 2005-2012

Young Driver Fatal and Incapacitating Injury Crash Statistics from 2005-2012

Young Driver		Fatal		Incapacitating Injury		Total	
		2,041	100%	12,251	100%	14,292	100%
Characteristics		Fatal		Incapacitating Injury		Total	
		# of Crashes	% to total	# of Crashes	% to total	# of Crashes	% to total
Geographic	Urban	1,326	65.0%	10,163	83.0%	11,489	80.4%
	Rural	715	35.0%	2,088	17.0%	2,803	19.6%
	Highway	736	36.1%	3,061	25.0%	3,797	26.6%
	Other Road	1,305	63.9%	9,190	75.0%	10,495	73.4%
	Tribal Land	196	9.6%	286	2.3%	482	3.4%
Geometry	Intersection Related	599	29.3%	5,890	48.1%	6,489	45.4%
	Lane Departure	1,041	51.0%	3,601	29.4%	4,642	32.5%
	Work Zone	26	1.3%	203	1.7%	229	1.6%
Person Type	Young Driver (13-24)	2,041	100.0%	12,251	100.0%	14,292	100.0%
	65 and Older	191	9.4%	1,139	9.3%	1,330	9.3%
	Pedalcyclist Involved	51	2.5%	322	2.6%	373	2.6%
	Pedestrian Involved	237	11.6%	647	5.3%	884	6.2%
Behavior	Aggressive Driver	127	6.2%	433	3.5%	560	3.9%
	Alcohol Involved	754	36.9%	1,784	14.6%	2,538	17.8%
	Distracted Driver	303	14.8%	2,646	21.6%	2,949	20.6%
	Drug Involved	254	12.4%	310	2.5%	564	3.9%
	Impaired Driver	867	42.5%	2,277	18.6%	3,144	22.0%
	Unhelmeted Motorcyclist	134	6.6%	604	4.9%	738	5.2%
	No Restraint Used	1,129	55.3%	3,439	28.1%	4,568	32.0%
	Sleepy or Fatigued	81	4.0%	346	2.8%	427	3.0%
	Speeding Involved	945	46.3%	4,417	36.1%	5,362	37.5%
Vehicle	Motorcycle Involved	326	16.0%	1,734	14.2%	2,060	14.4%
	Train Involved	1	0.0%	2	0.0%	3	0.0%
	Truck Involved	184	9.0%	745	6.1%	929	6.5%
	Multiple Vehicle	1,318	64.6%	9,548	77.9%	10,866	76.0%
Environmental	Dust Related (Windy)	8	0.4%	33	0.3%	41	0.3%
	Wildlife/Animal Involved	3	0.1%	21	0.2%	24	0.2%
	Wet Weather	65	3.2%	377	3.1%	442	3.1%
	Dusk/ Dawn	136	6.7%	635	5.2%	771	5.4%
	Dark - No Light	167	8.2%	417	3.4%	584	4.1%



Notes:

1) The percentages shown in the table reflect the percent of Young Driver crashes that also exhibit the characteristics being summarized.

2) Urban versus Rural designation of crash occurrence is based on the 2010 U.S. Census designation of urbanized areas.

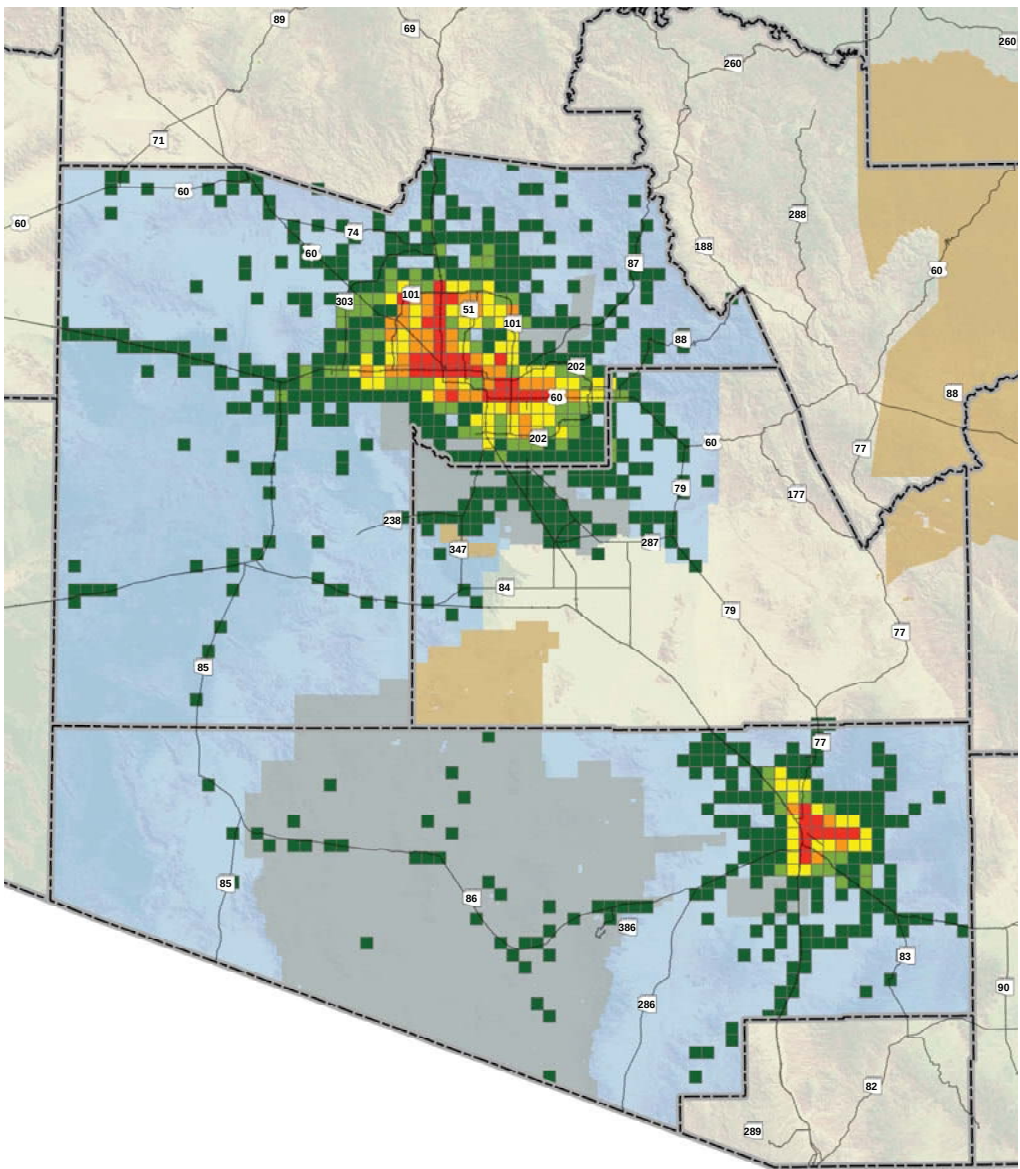
Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

Note: The graphs illustrate the number of Young Driver crashes that also involved the graphed characteristic.

Arizona Strategic Highway Safety Plan

Young Driver Crash Distribution | 2005-2012

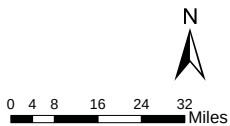
Density of Crashes in MAG/PAG TMA Regions



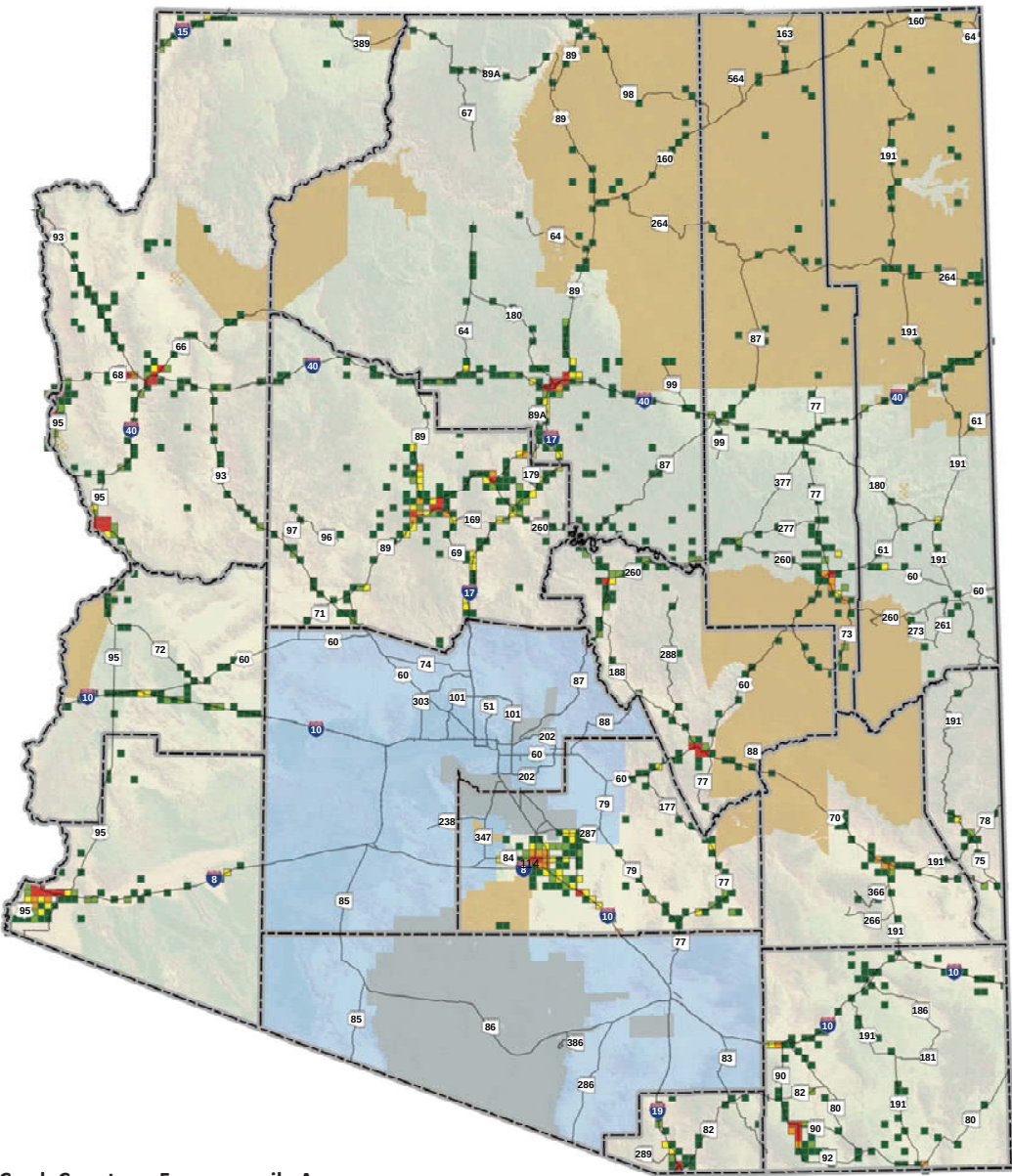
Crash Count per 5-square-mile Area
(Distribution Percentile)

- 1 to 9 crashes (0 - 70th)
- 10 to 20 crashes (70th - 80th)
- 21 to 40 crashes (80th - 90th)
- 41 to 67 crashes (90th - 95th)
- 68 to 213 crashes (95th - 100th)

- TMA Areas
- Tribal Lands
- County Boundary
- Highway



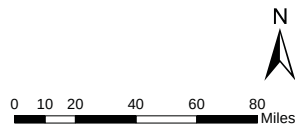
Density of Crashes in non-TMA Regions



Crash Count per 5-square-mile Area
(Distribution Percentile)

- 1 to 2 crashes (0 - 70th)
- 3 crashes (70th - 80th)
- 4 to 5 crashes (80th - 90th)
- 6 to 8 crashes (90th - 95th)
- 9 to 62 crashes (95th - 100th)

- TMA Areas
- Tribal Lands
- County Boundary
- Highway



Notes:
1) Crash statistics include all fatal and incapacitating injury crash incidents occurring between January 1, 2005 and December 31, 2012.
2) Transportation Management Areas (TMAs) currently exist in the Maricopa Association of Governments (MAG) Region and Pima Association of Governments (PAG) Region.
Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

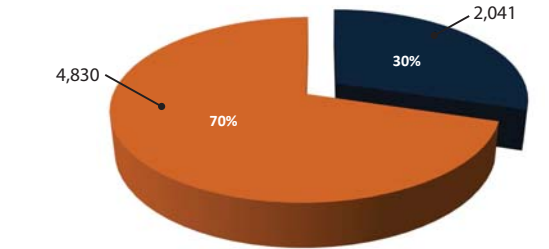
Total Young Driver Serious Crashes
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	371	2,113
2006	346	1,955
2007	308	1,880
2008	268	1,484
2009	183	1,256
2010	147	1,255
2011	212	1,183
2012	206	1,125
Total	2,041	12,251

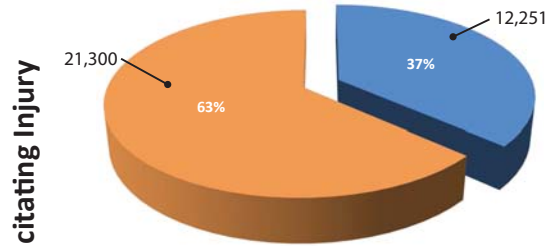
Total Crashes in Arizona
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	1,049	5,212
2006	1,126	4,934
2007	952	4,860
2008	843	4,133
2009	709	3,738
2010	695	3,576
2011	755	3,589
2012	742	3,509
Total	6,871	33,551

Young Driver Crashes
Compared to Total Crashes in Arizona



- Young Driver Fatal Crashes
- Other Fatal Crashes in Arizona



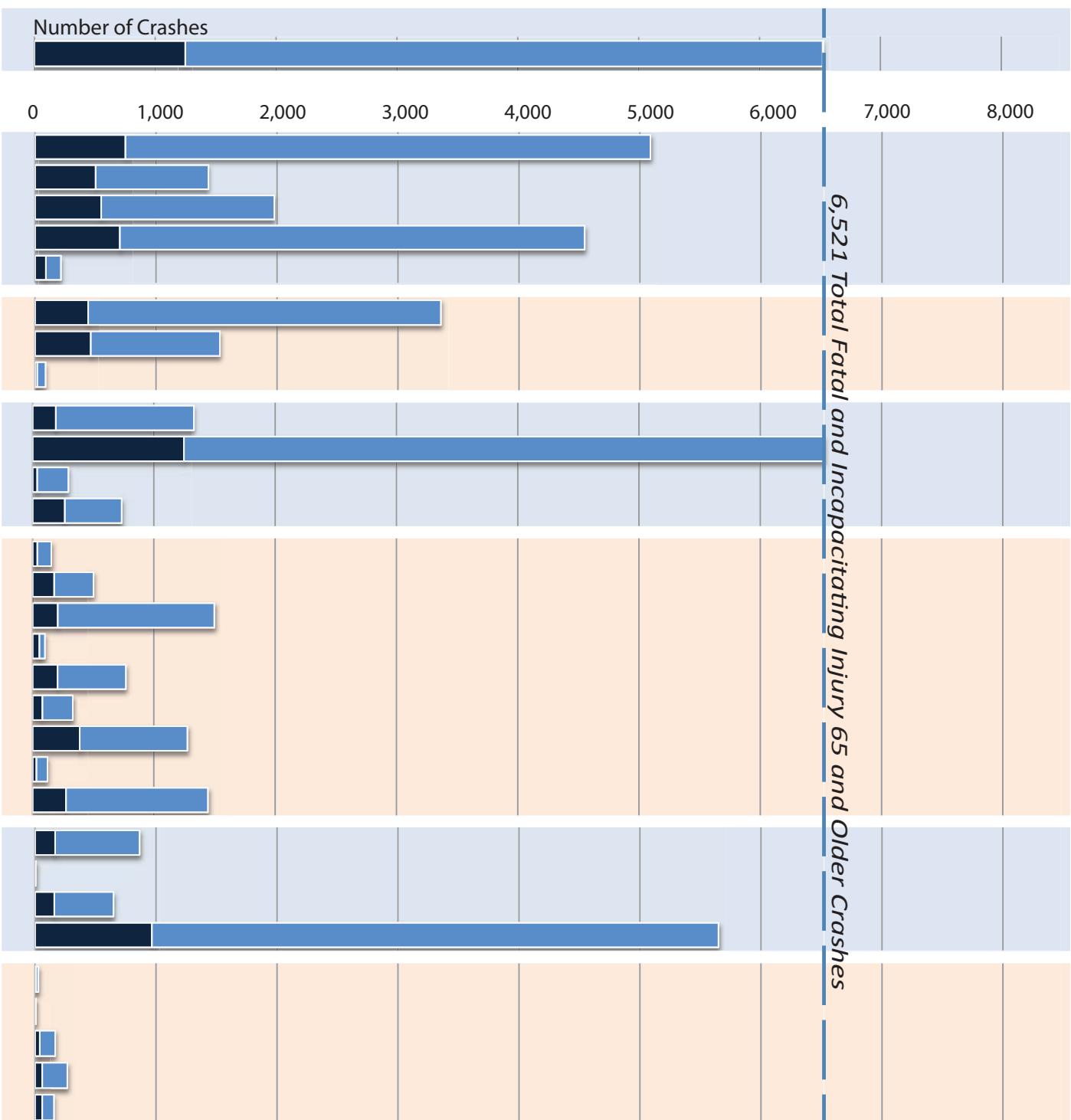
- Young Driver Incapacitating Injury Crashes
- Other Incapacitating Crashes in Arizona

Arizona Strategic Highway Safety Plan

65 and Older Crash Summary | 2005-2012

65 and Older Fatal and Incapacitating Injury Crash Statistics from 2005-2012

65 and Older		Fatal		Incapacitating Injury		Total	
		1,248	100%	5,273	100%	6,521	100%
Characteristics		Fatal		Incapacitating Injury		Total	
		# of Crashes	% to total	# of Crashes	% to total	# of Crashes	% to total
Geographic	Urban	747	59.9%	4,340	82.3%	5,087	78.0%
	Rural	501	40.1%	933	17.7%	1,434	22.0%
	Highway	547	43.8%	1,431	27.1%	1,978	30.3%
	Other Road	701	56.2%	3,842	72.9%	4,543	69.7%
	Tribal Land	90	7.2%	125	2.4%	215	3.3%
Geometry	Intersection Related	439	35.2%	2,916	55.3%	3,355	51.4%
	Lane Departure	461	36.9%	1,067	20.2%	1,528	23.4%
	Work Zone	18	1.4%	70	1.3%	88	1.3%
Person Type	Young Driver (13-24)	191	15.3%	1,139	21.6%	1,330	20.4%
	65 and Older	1,248	100.0%	5,273	100.0%	6,521	100.0%
	Pedalcyclist Involved	38	3.0%	257	4.9%	295	4.5%
	Pedestrian Involved	265	21.2%	470	8.9%	735	11.3%
Behavior	Aggressive Driver	39	3.1%	115	2.2%	154	2.4%
	Alcohol Involved	178	14.3%	325	6.2%	503	7.7%
	Distracted Driver	207	16.6%	1,292	24.5%	1,499	23.0%
	Drug Involved	56	4.5%	46	0.9%	102	1.6%
	Impaired Driver	206	16.5%	563	10.7%	769	11.8%
	Unhelmeted Motorcyclist	80	6.4%	251	4.8%	331	5.1%
	No Restraint Used	389	31.2%	888	16.8%	1,277	19.6%
	Sleepy or Fatigued	31	2.5%	92	1.7%	123	1.9%
Vehicle	Speeding Involved	275	22.0%	1,171	22.2%	1,446	22.2%
	Motorcycle Involved	167	13.4%	698	13.2%	865	13.3%
	Train Involved	3	0.2%	3	0.1%	6	0.1%
	Truck Involved	160	12.8%	489	9.3%	649	10.0%
Environmental	Multiple Vehicle	966	77.4%	4,683	88.8%	5,649	86.6%
	Dust Related (Windy)	9	0.7%	19	0.4%	28	0.4%
	Wildlife/Animal Involved	1	0.1%	7	0.1%	8	0.1%
	Wet Weather	40	3.2%	128	2.4%	168	2.6%
	Dusk/ Dawn	60	4.8%	208	3.9%	268	4.1%
	Dark - No Light	60	4.8%	97	1.8%	157	2.4%



Notes:

1) The percentages shown in the table reflect the percent of 65 and Older crashes that also exhibit the characteristics being summarized.

2) Urban versus Rural designation of crash occurrence is based on the 2010 U.S. Census designation of urbanized areas.

Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

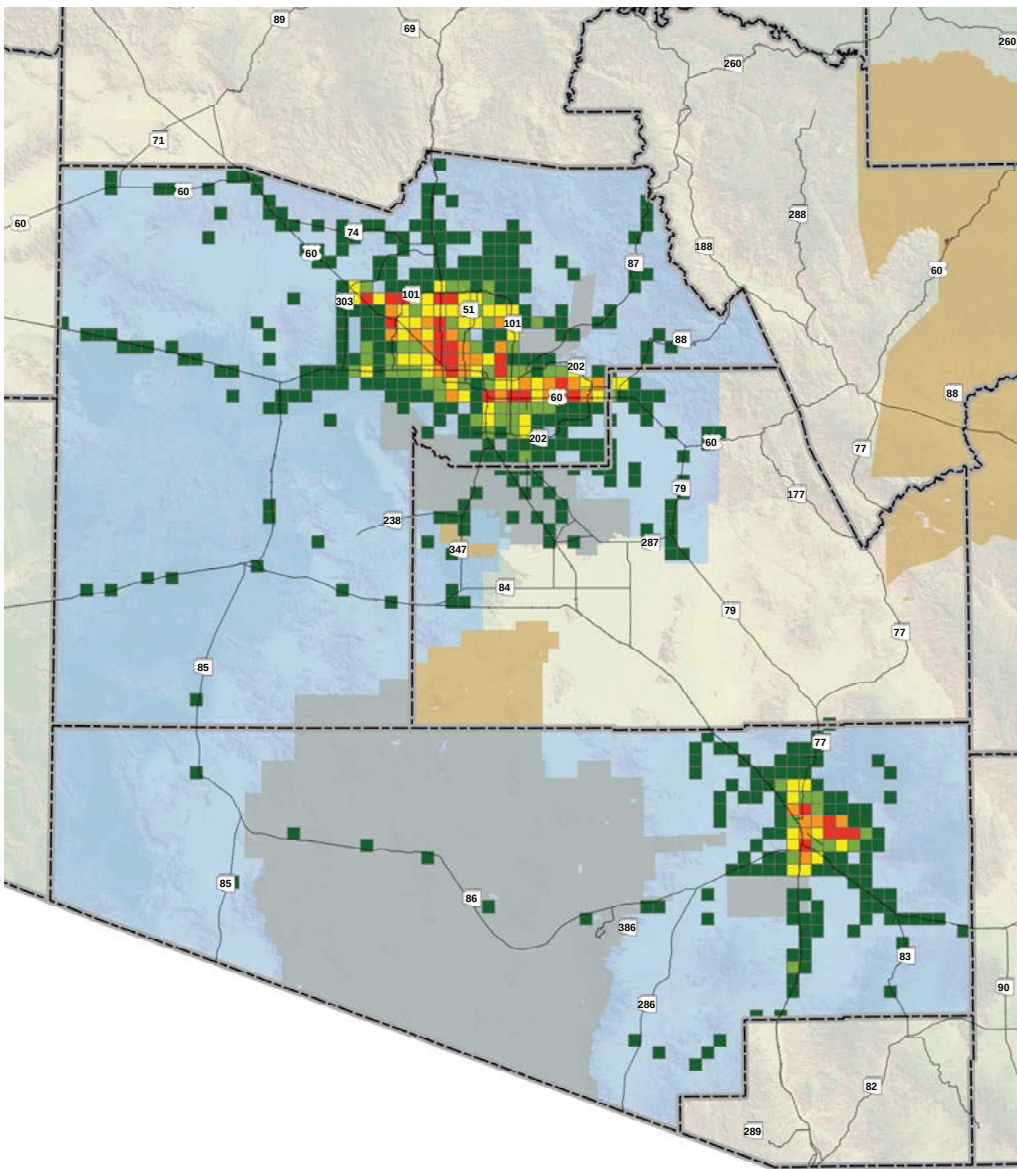
■ Fatal ■ Incapacitating Injury

Note: The graphs illustrate the number of 65 and Older crashes that also involved the graphed characteristic.

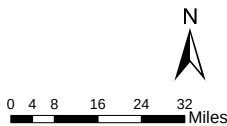
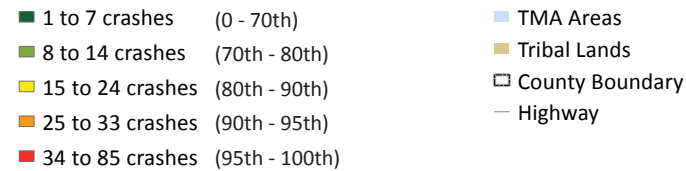
Arizona Strategic Highway Safety Plan

65 and Older Crash Distribution | 2005-2012

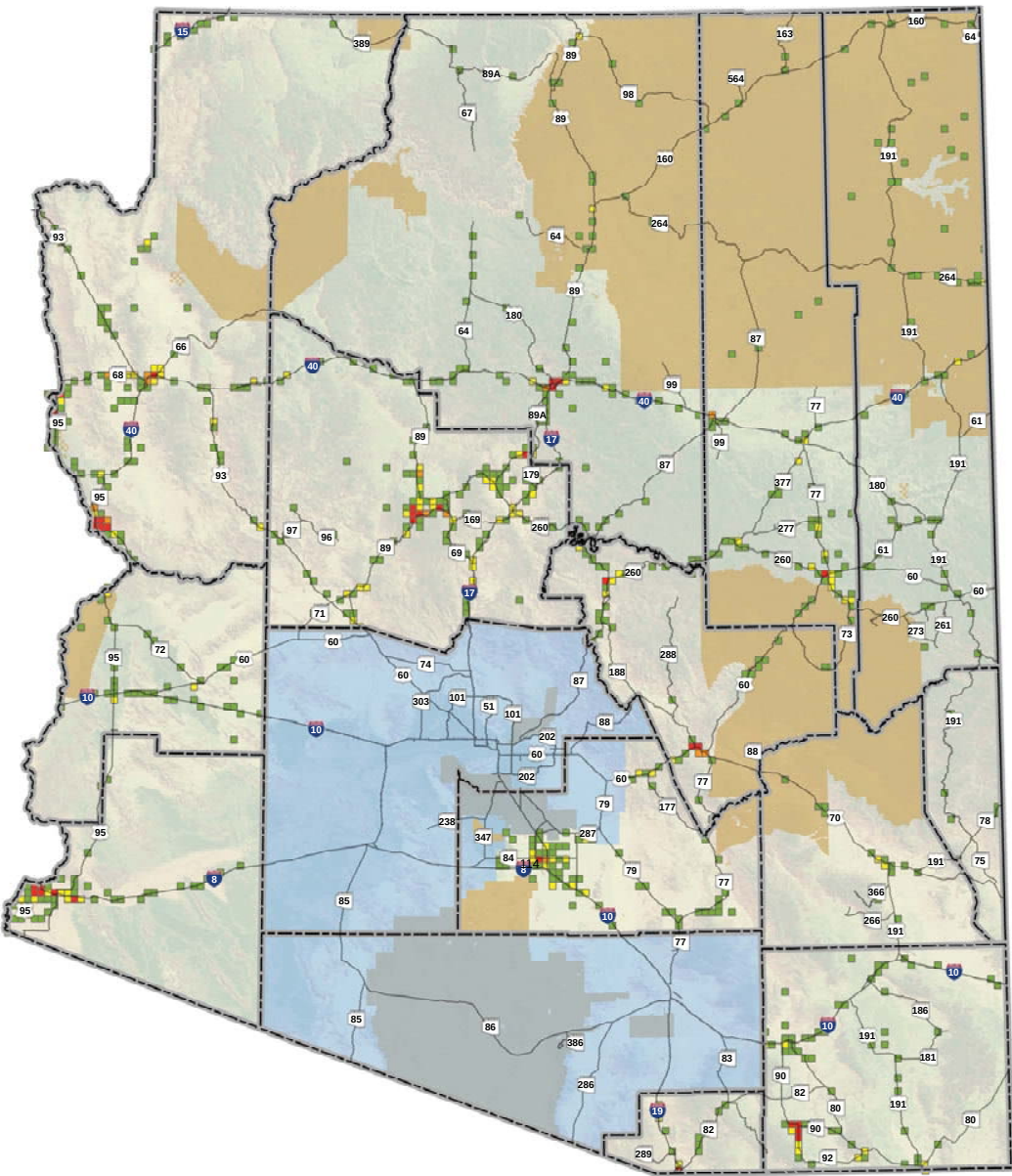
Density of Crashes in MAG/PAG TMA Regions



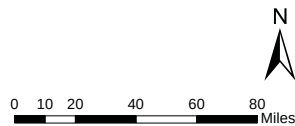
Crash Count per 5-square-mile Area
(Distribution Percentile)



Density of Crashes in non-TMA Regions



Crash Count per 5-square-mile Area
(Distribution Percentile)



Notes:
1) Crash statistics include all fatal and incapacitating injury crash incidents occurring between January 1, 2005 and December 31, 2012.
2) Transportation Management Areas (TMAs) currently exist in the Maricopa Association of Governments (MAG) Region and Pima Association of Governments (PAG) Region.
Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

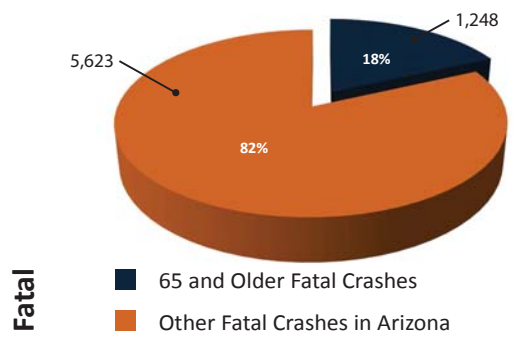
Total 65 and Older Serious Crashes
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	166	722
2006	173	714
2007	164	709
2008	152	638
2009	135	609
2010	155	580
2011	170	641
2012	133	660
Total	1,248	5,273

Total Crashes in Arizona
by Year 2005-2012

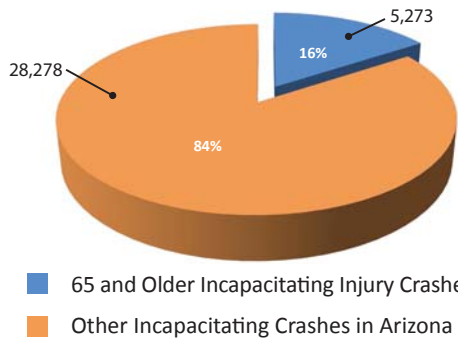
Year	Fatal	Incapacitating Injury
2005	1,049	5,212
2006	1,126	4,934
2007	952	4,860
2008	843	4,133
2009	709	3,738
2010	695	3,576
2011	755	3,589
2012	742	3,509
Total	6,871	33,551

65 and Older Crashes
Compared to Total Crashes in Arizona



Fatal

Incapacitating Injury



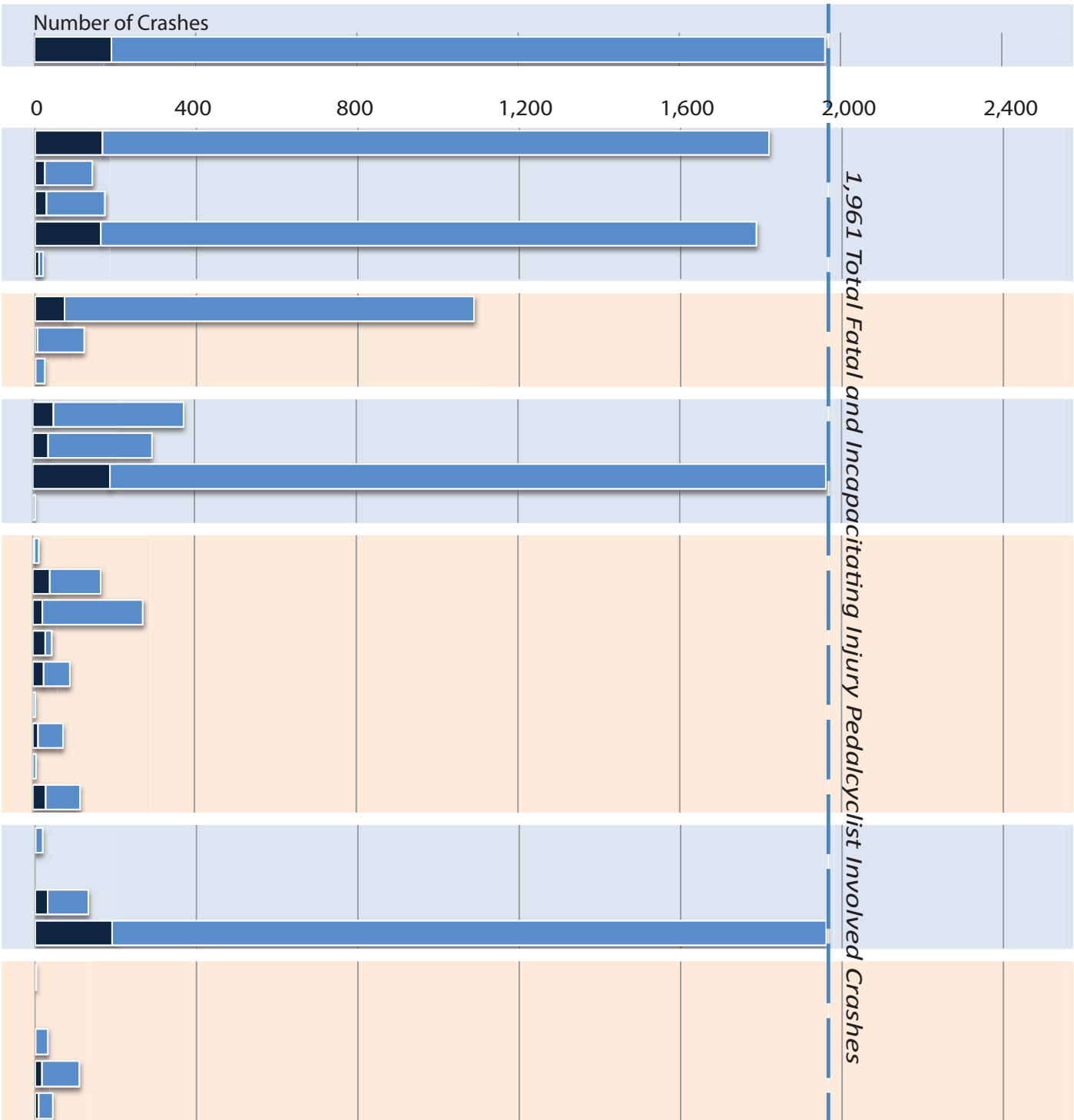
65 and Older Incapacitating Injury Crashes
Other Incapacitating Crashes in Arizona

Arizona Strategic Highway Safety Plan

Pedalcyclist Involved Crash Summary | 2005-2012

Pedalcyclist Involved Fatal and Incapacitating Injury Crash Statistics from 2005-2012

Pedalcyclist Involved		Fatal		Incapacitating Injury		Total	
		191	100%	1,770	100%	1,961	100%
Characteristics		Fatal		Incapacitating Injury		Total	
		# of Crashes	% to total	# of Crashes	% to total	# of Crashes	% to total
Geographic	Urban	167	87.4%	1,652	93.3%	1,819	92.8%
	Rural	24	12.6%	118	6.7%	142	7.2%
	Highway	28	14.7%	145	8.2%	173	8.8%
	Other Road	163	85.3%	1,625	91.8%	1,788	91.2%
	Tribal Land	10	5.2%	10	0.6%	20	1.0%
Geometry	Intersection Related	73	38.2%	1,015	57.3%	1,088	55.5%
	Lane Departure	6	3.1%	116	6.6%	122	6.2%
	Work Zone	1	0.5%	23	1.3%	24	1.2%
Person Type	Young Driver (13-24)	51	26.7%	322	18.2%	373	19.0%
	65 and Older	38	19.9%	257	14.5%	295	15.0%
	Pedalcyclist Involved	191	100.0%	1,770	100.0%	1,961	100.0%
	Pedestrian Involved	0	0.0%	6	0.3%	6	0.3%
Behavior	Aggressive Driver	4	2.1%	11	0.6%	15	0.8%
	Alcohol Involved	42	22.0%	126	7.1%	168	8.6%
	Distracted Driver	24	12.6%	248	14.0%	272	13.9%
	Drug Involved	31	16.2%	16	0.9%	47	2.4%
	Impaired Driver	27	14.1%	65	3.7%	92	4.7%
	Unhelmeted Motorcyclist	0	0.0%	6	0.3%	6	0.3%
	No Restraint Used	13	6.8%	62	3.5%	75	3.8%
	Sleepy or Fatigued	0	0.0%	8	0.5%	8	0.4%
	Speeding Involved	32	16.8%	85	4.8%	117	6.0%
Vehicle	Motorcycle Involved	1	0.5%	18	1.0%	19	1.0%
	Train Involved	0	0.0%	0	0.0%	0	0.0%
	Truck Involved	31	16.2%	101	5.7%	132	6.7%
	Multiple Vehicle	191	100.0%	1,770	100.0%	1,961	100.0%
Environmental	Dust Related (Windy)	0	0.0%	3	0.2%	3	0.2%
	Wildlife/Animal Involved	0	0.0%	0	0.0%	0	0.0%
	Wet Weather	1	0.5%	31	1.8%	32	1.6%
	Dusk/ Dawn	17	8.9%	93	5.3%	110	5.6%
	Dark - No Light	9	4.7%	35	2.0%	44	2.2%



Note: The graphs illustrate the number of Pedalcyclist Involved crashes that also involved the graphed characteristic.

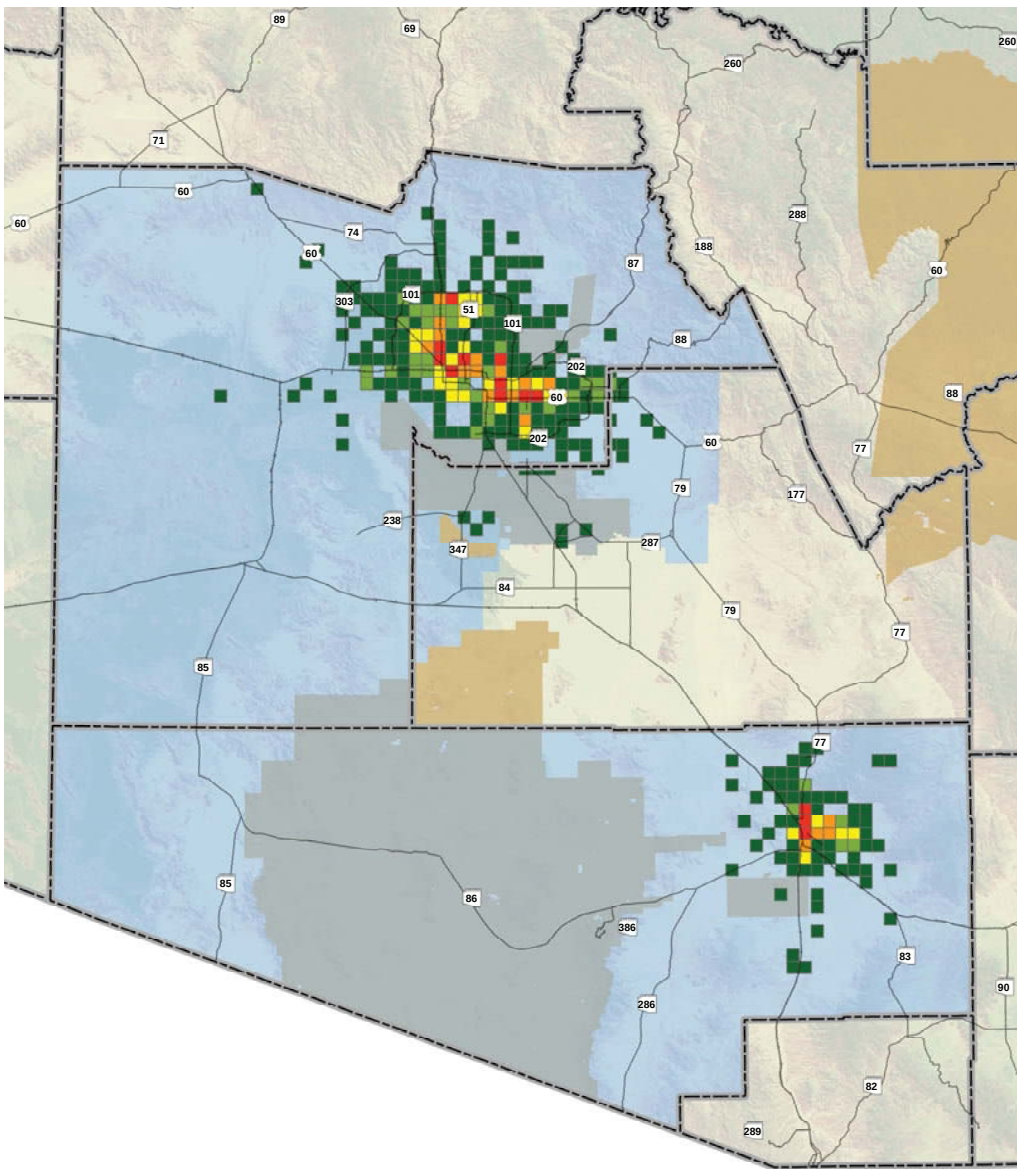
Notes:

- 1) The percentages shown in the table reflect the percent of Pedalcyclist Involved crashes that also exhibit the characteristics being summarized.
- 2) Urban versus Rural designation of crash occurrence is based on the 2010 U.S. Census designation of urbanized areas.
- Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

Arizona Strategic Highway Safety Plan

Pedalcyclist Involved Crash Distribution | 2005-2012

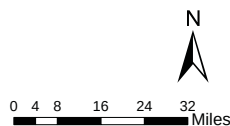
Density of Crashes in MAG/PAG TMA Regions



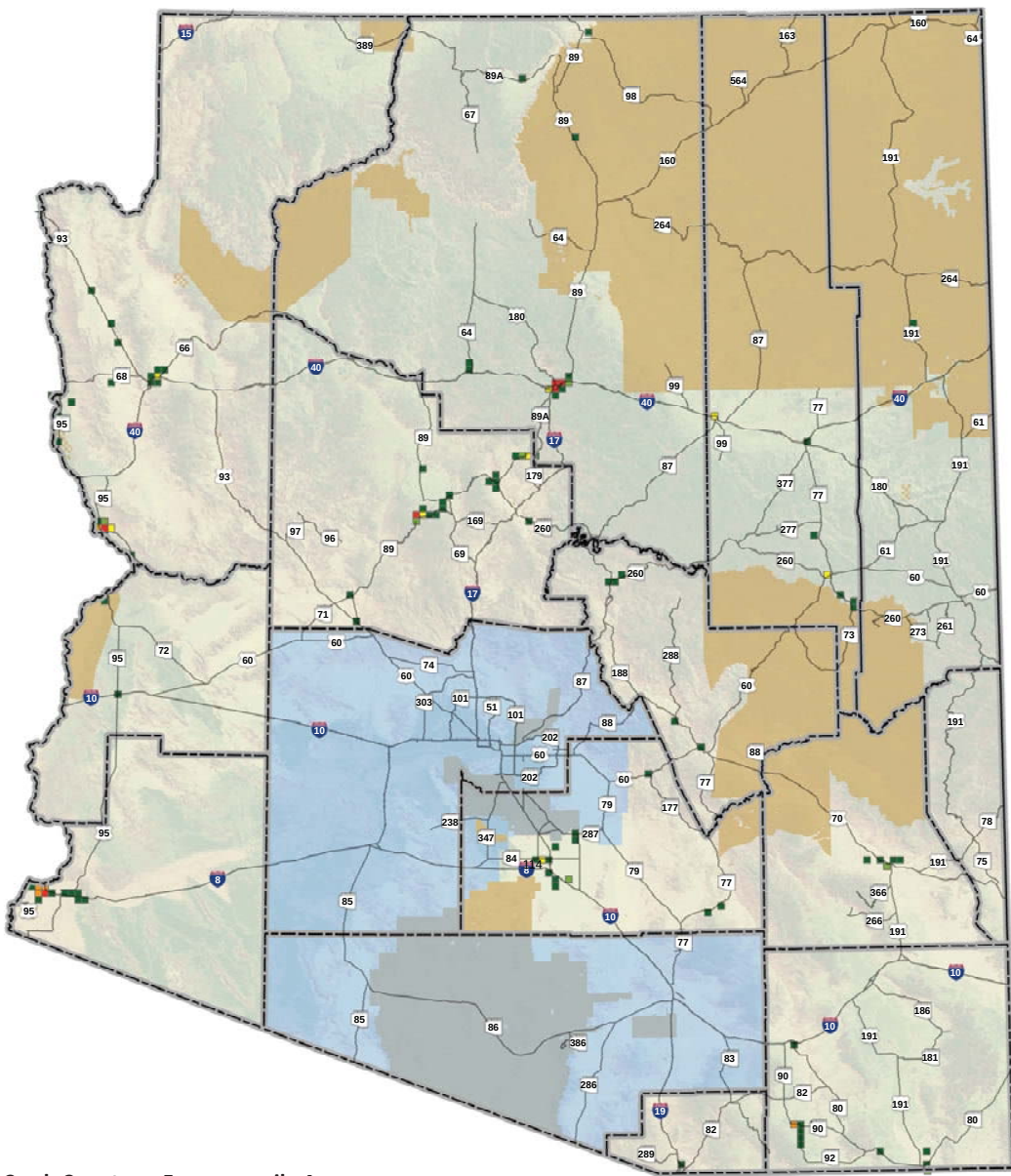
Crash Count per 5-square-mile Area
(Distribution Percentile)

- 1 to 5 crashes (0 - 70th)
- 6 to 9 crashes (70th - 80th)
- 10 to 14 crashes (80th - 90th)
- 15 to 19 crashes (90th - 95th)
- 20 to 36 crashes (95th - 100th)

- TMA Areas
- Tribal Lands
- County Boundary
- Highway



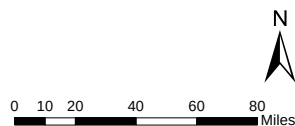
Density of Crashes in non-TMA Regions



Crash Count per 5-square-mile Area
(Distribution Percentile)

- 1 crash (0 - 70th)
- 2 crashes (70th - 80th)
- 3 to 5 crashes (80th - 90th)
- 6 to 7 crashes (90th - 95th)
- 8 to 22 crashes (95th - 100th)

- TMA Areas
- Tribal Lands
- County Boundary
- Highway



Notes:
1) Crash statistics include all fatal and incapacitating injury crash incidents occurring between January 1, 2005 and December 31, 2012.
2) Transportation Management Areas (TMAs) currently exist in the Maricopa Association of Governments (MAG) Region and Pima Association of Governments (PAG) Region.
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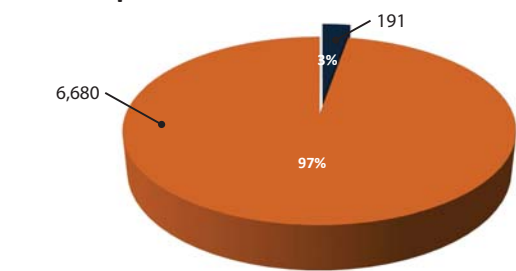
Total Pedalcyclist Involved Serious Crashes
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	36	247
2006	30	218
2007	21	220
2008	19	201
2009	25	225
2010	19	221
2011	23	236
2012	18	202
Total	191	1,770

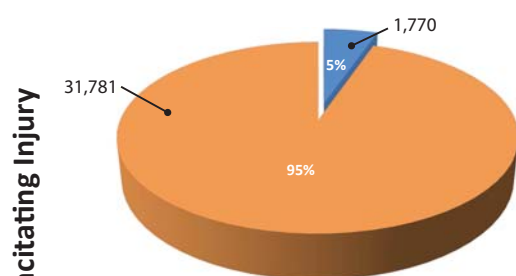
Total Crashes in Arizona
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	1,049	5,212
2006	1,126	4,934
2007	952	4,860
2008	843	4,133
2009	709	3,738
2010	695	3,576
2011	755	3,589
2012	742	3,509
Total	6,871	33,551

Pedalcyclist Involved Crashes
Compared to Total Crashes in Arizona



- Pedalcyclist Involved Fatal Crashes
- Other Fatal Crashes in Arizona



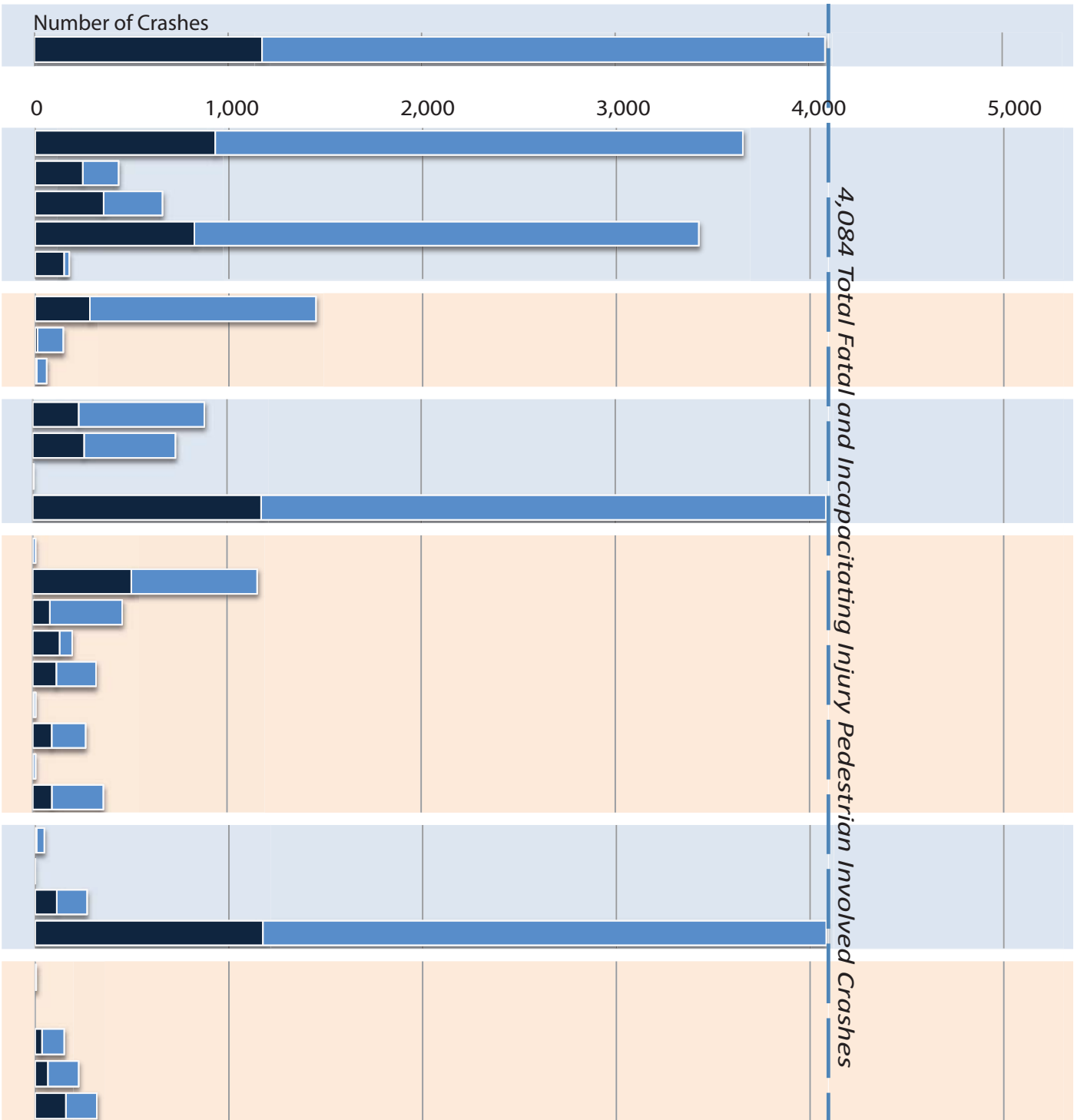
- Pedalcyclist Involved Incapacitating Injury Crashes
- Other Incapacitating Crashes in Arizona

Arizona Strategic Highway Safety Plan

Pedestrian Involved Crash Summary | 2005-2012

Pedestrian Involved Fatal and Incapacitating Injury Crash Statistics from 2005-2012

Pedestrian Involved		Fatal		Incapacitating Injury		Total	
		1,176	100%	2,908	100%	4,084	100%
Characteristics		Fatal		Incapacitating Injury		Total	
		# of Crashes	% to total	# of Crashes	% to total	# of Crashes	% to total
Geographic	Urban	930	79.1%	2,723	93.6%	3,653	89.4%
	Rural	246	20.9%	185	6.4%	431	10.6%
	Highway	354	30.1%	304	10.5%	658	16.1%
	Other Road	822	69.9%	2,604	89.5%	3,426	83.9%
	Tribal Land	150	12.8%	27	0.9%	177	4.3%
Geometry	Intersection Related	283	24.1%	1,167	40.1%	1,450	35.5%
	Lane Departure	13	1.1%	133	4.6%	146	3.6%
	Work Zone	9	0.8%	51	1.8%	60	1.5%
Person Type	Young Driver (13-24)	237	20.2%	647	22.2%	884	21.6%
	65 and Older	265	22.5%	470	16.2%	735	18.0%
	Pedalcyclist Involved	0	0.0%	6	0.2%	6	0.1%
	Pedestrian Involved	1,176	100.0%	2,908	100.0%	4,084	100.0%
Behavior	Aggressive Driver	2	0.2%	13	0.4%	15	0.4%
	Alcohol Involved	508	43.2%	648	22.3%	1,156	28.3%
	Distracted Driver	88	7.5%	373	12.8%	461	11.3%
	Drug Involved	139	11.8%	64	2.2%	203	5.0%
	Impaired Driver	122	10.4%	204	7.0%	326	8.0%
	Unhelmeted Motorcyclist	5	0.4%	11	0.4%	16	0.4%
	No Restraint Used	98	8.3%	175	6.0%	273	6.7%
	Sleepy or Fatigued	3	0.3%	12	0.4%	15	0.4%
	Speeding Involved	99	8.4%	265	9.1%	364	8.9%
Vehicle	Motorcycle Involved	8	0.7%	40	1.4%	48	1.2%
	Train Involved	1	0.1%	0	0.0%	1	0.0%
	Truck Involved	112	9.5%	157	5.4%	269	6.6%
	Multiple Vehicle	1,176	100.0%	2,908	100.0%	4,084	100.0%
Environmental	Dust Related (Windy)	3	0.3%	3	0.1%	6	0.1%
	Wildlife/Animal Involved	0	0.0%	0	0.0%	0	0.0%
	Wet Weather	36	3.1%	115	4.0%	151	3.7%
	Dusk/ Dawn	66	5.6%	159	5.5%	225	5.5%
	Dark - No Light	159	13.5%	160	5.5%	319	7.8%



Notes:

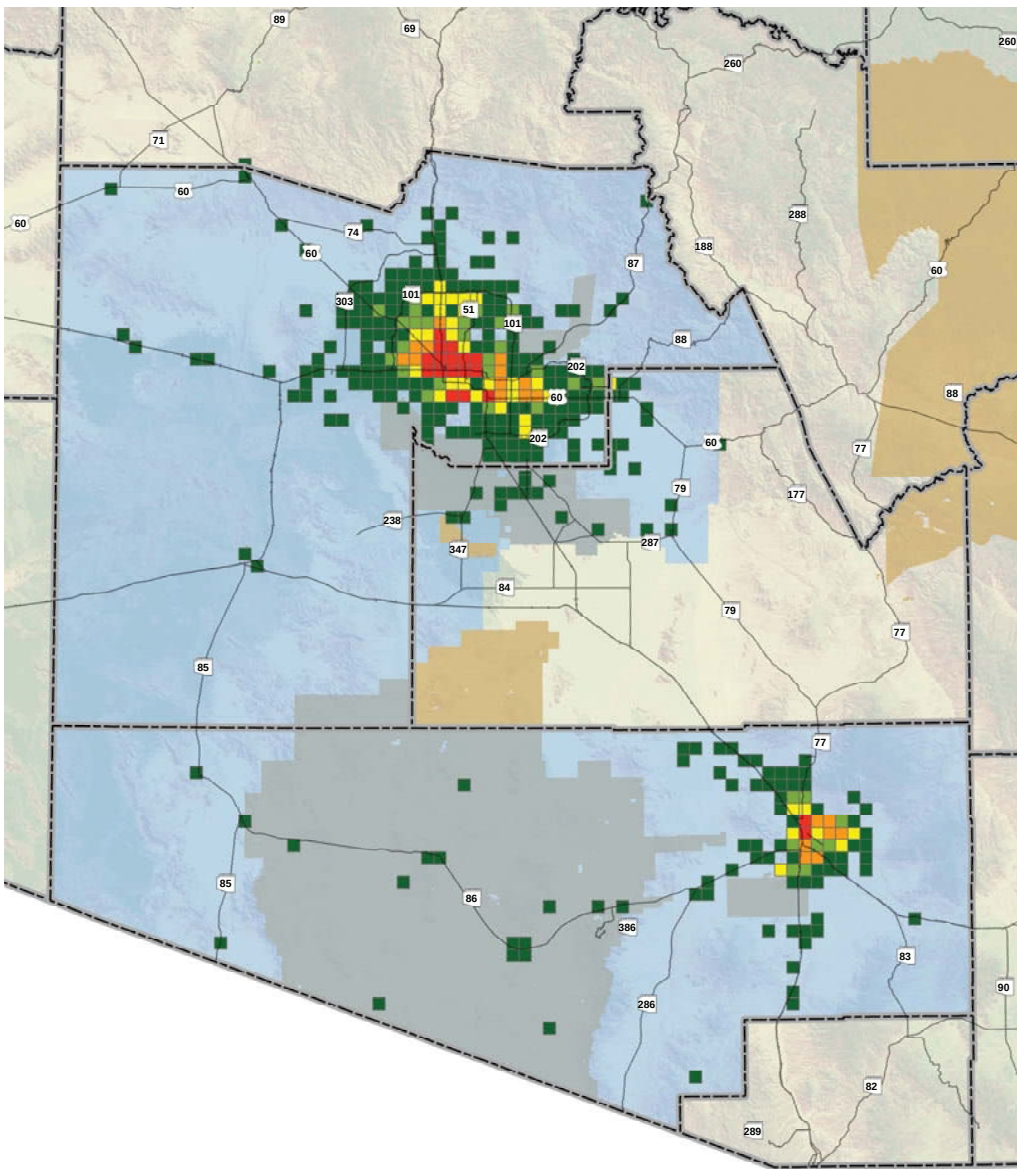
- 1) The percentages shown in the table reflect the percent of Pedestrian Involved crashes that also exhibit the characteristics being summarized.
- 2) Urban versus Rural designation of crash occurrence is based on the 2010 U.S. Census designation of urbanized areas.
- Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

Note: The graphs illustrate the number of Pedestrian Involved crashes that also involved the graphed characteristic.

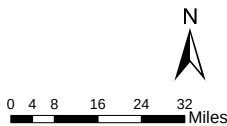
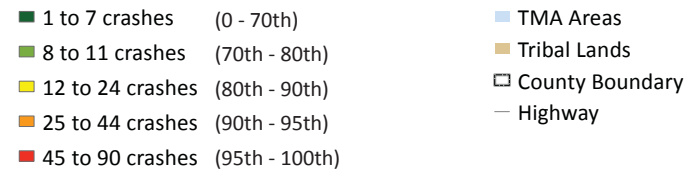
Arizona Strategic Highway Safety Plan

Pedestrian Involved Crash Distribution | 2005-2012

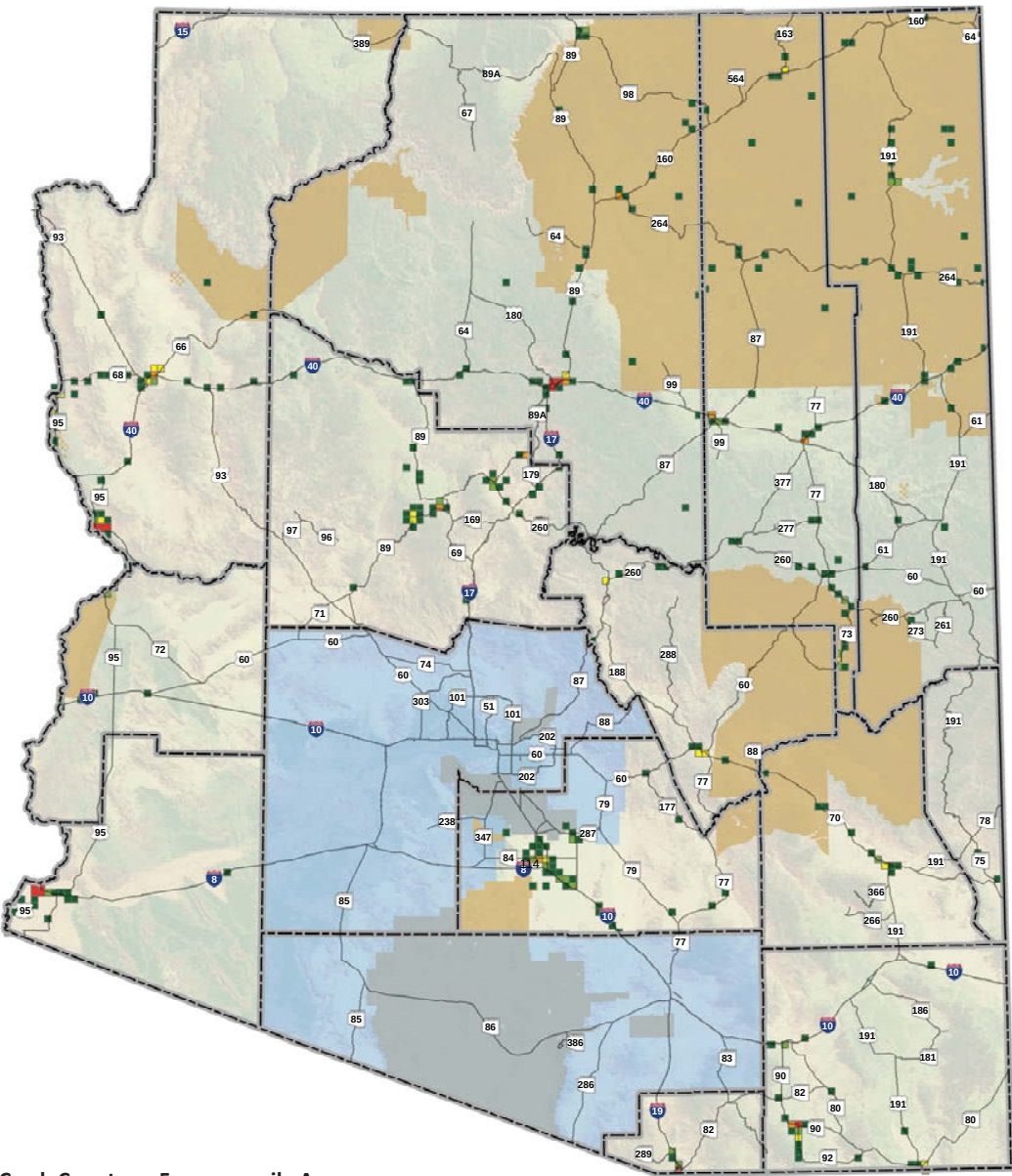
Density of Crashes in MAG/PAG TMA Regions



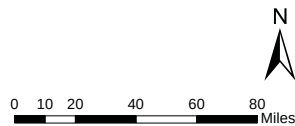
Crash Count per 5-square-mile Area
(Distribution Percentile)



Density of Crashes in non-TMA Regions



Crash Count per 5-square-mile Area
(Distribution Percentile)



Notes:
1) Crash statistics include all fatal and incapacitating injury crash incidents occurring between January 1, 2005 and December 31, 2012.
2) Transportation Management Areas (TMAs) currently exist in the Maricopa Association of Governments (MAG) Region and Pima Association of Governments (PAG) Region.
Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

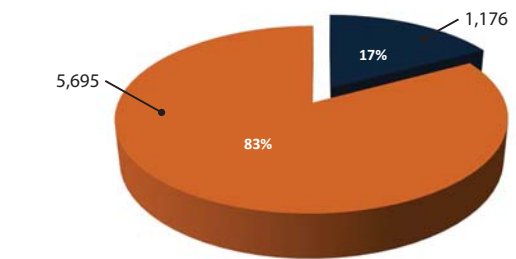
Total Pedestrian Involved Serious Crashes
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	163	390
2006	173	404
2007	158	420
2008	124	379
2009	121	337
2010	155	320
2011	152	318
2012	130	340
Total	1,176	2,908

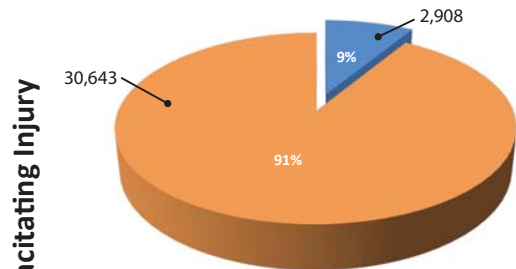
Total Crashes in Arizona
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	1,049	5,212
2006	1,126	4,934
2007	952	4,860
2008	843	4,133
2009	709	3,738
2010	695	3,576
2011	755	3,589
2012	742	3,509
Total	6,871	33,551

Pedestrian Involved Crashes
Compared to Total Crashes in Arizona



Fatal
■ Pedestrian Involved Fatal Crashes
■ Other Fatal Crashes in Arizona



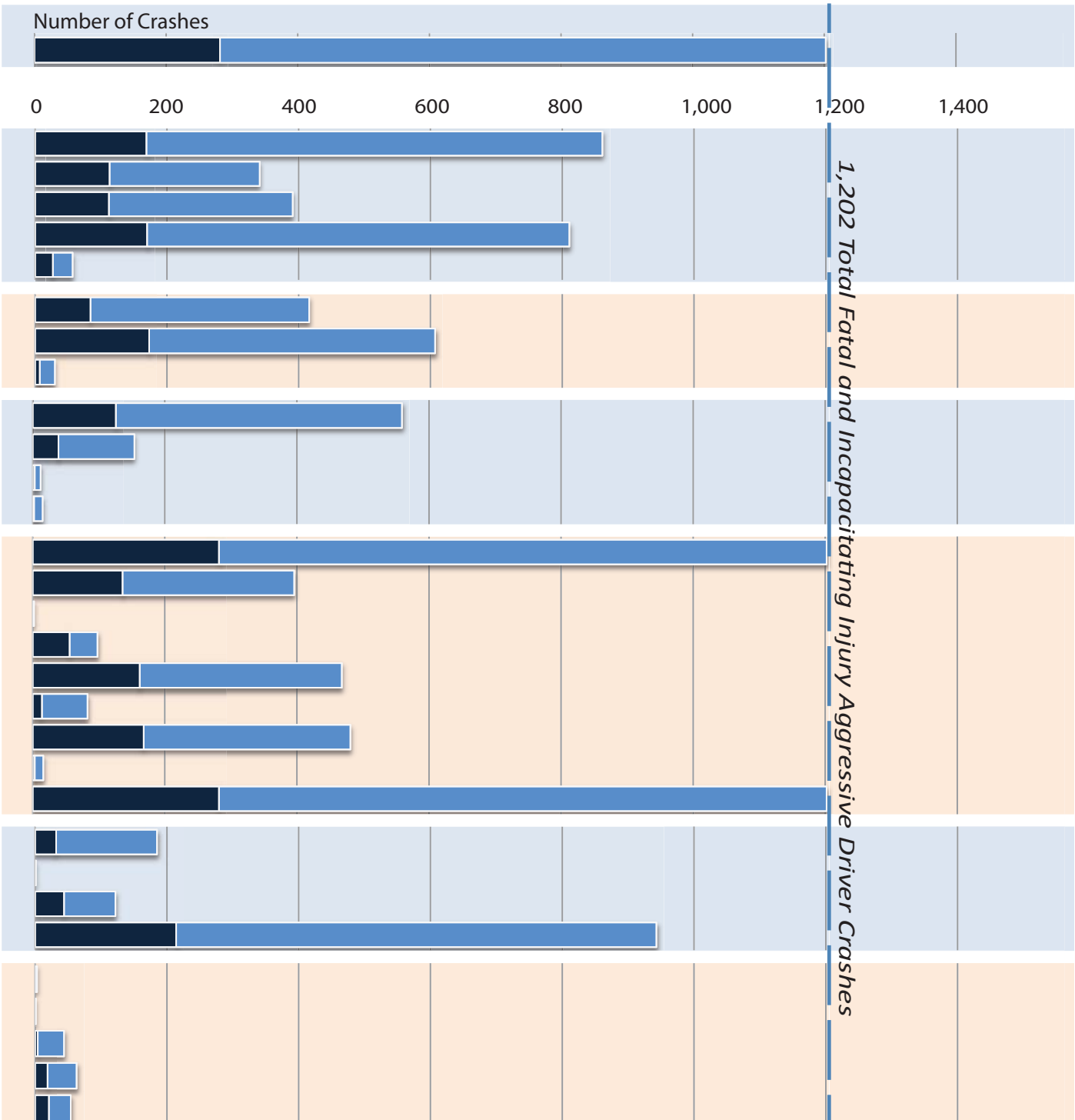
Incapacitating Injury
■ Pedestrian Involved Incapacitating Injury Crashes
■ Other Incapacitating Crashes in Arizona

Arizona Strategic Highway Safety Plan

Aggressive Driver Crash Summary | 2005-2012

Aggressive Driver Fatal and Incapacitating Injury Crash Statistics from 2005-2012

Aggressive Driver		Fatal		Incapacitating Injury		Total	
		282	100%	920	100%	1,202	100%
Characteristics		Fatal		Incapacitating Injury		Total	
		# of Crashes	% to total	# of Crashes	% to total	# of Crashes	% to total
Geographic	Urban	169	59.9%	692	75.2%	861	71.6%
	Rural	113	40.1%	228	24.8%	341	28.4%
	Highway	112	39.7%	279	30.3%	391	32.5%
	Other Road	170	60.3%	641	69.7%	811	67.5%
	Tribal Land	27	9.6%	30	3.3%	57	4.7%
Geometry	Intersection Related	84	29.8%	332	36.1%	416	34.6%
	Lane Departure	173	61.3%	434	47.2%	607	50.5%
	Work Zone	7	2.5%	23	2.5%	30	2.5%
Person Type	Young Driver (13-24)	126	44.7%	433	47.1%	559	46.5%
	65 and Older	39	13.8%	115	12.5%	154	12.8%
	Pedalcyclist Involved	3	1.1%	9	1.0%	12	1.0%
	Pedestrian Involved	2	0.7%	13	1.4%	15	1.2%
Behavior	Aggressive Driver	282	100.0%	920	100.0%	1,202	100.0%
	Alcohol Involved	136	48.2%	260	28.3%	396	32.9%
	Distracted Driver	0	0.0%	2	0.2%	2	0.2%
	Drug Involved	56	19.9%	42	4.6%	98	8.2%
	Impaired Driver	162	57.4%	306	33.3%	468	38.9%
	Unhelmeted Motorcyclist	14	5.0%	69	7.5%	83	6.9%
	No Restraint Used	168	59.6%	313	34.0%	481	40.0%
	Sleepy or Fatigued	3	1.1%	13	1.4%	16	1.3%
Vehicle	Speeding Involved	282	100.0%	920	100.0%	1,202	100.0%
	Motorcycle Involved	32	11.3%	153	16.6%	185	15.4%
	Train Involved	0	0.0%	1	0.1%	1	0.1%
	Truck Involved	44	15.6%	78	8.5%	122	10.1%
Environmental	Multiple Vehicle	214	75.9%	729	79.2%	943	78.5%
	Dust Related (Windy)	0	0.0%	3	0.3%	3	0.2%
	Wildlife/Animal Involved	0	0.0%	1	0.1%	1	0.1%
	Wet Weather	4	1.4%	40	4.3%	44	3.7%
	Dusk/ Dawn	19	6.7%	44	4.8%	63	5.2%
	Dark - No Light	21	7.4%	33	3.6%	54	4.5%



Notes:

1) The percentages shown in the table reflect the percent of Aggressive Driver crashes that also exhibit the characteristics being summarized.

2) Urban versus Rural designation of crash occurrence is based on the 2010 U.S. Census designation of urbanized areas.

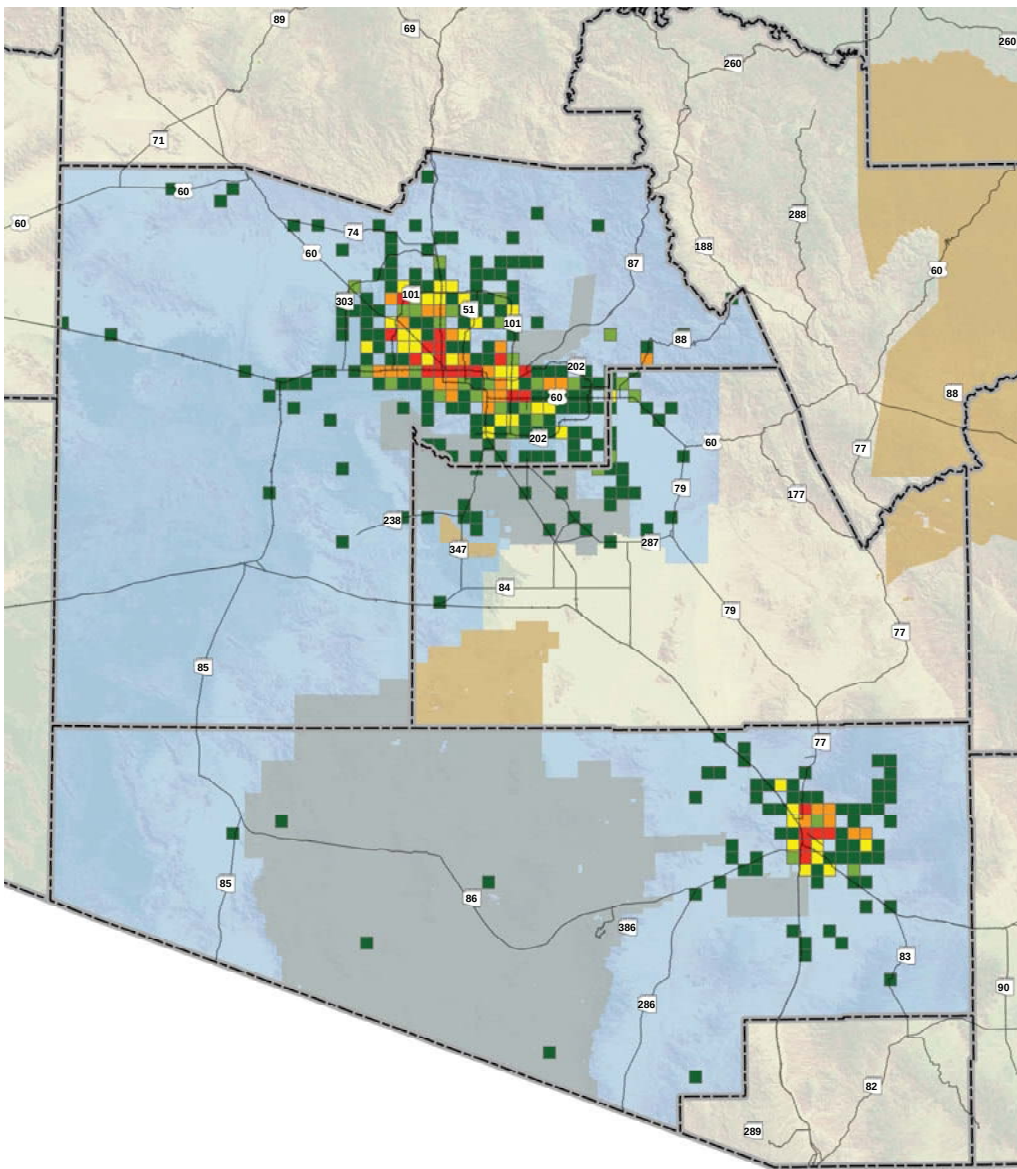
Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

Note: The graphs illustrate the number of Aggressive Driver crashes that also involved the graphed characteristic.

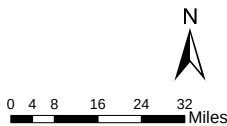
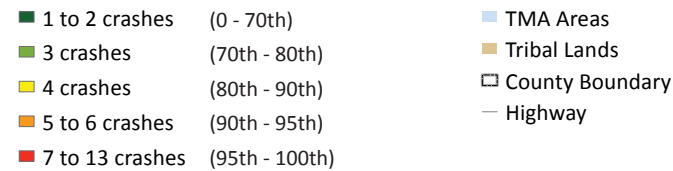
Arizona Strategic Highway Safety Plan

Aggressive Driver Crash Distribution | 2005-2012

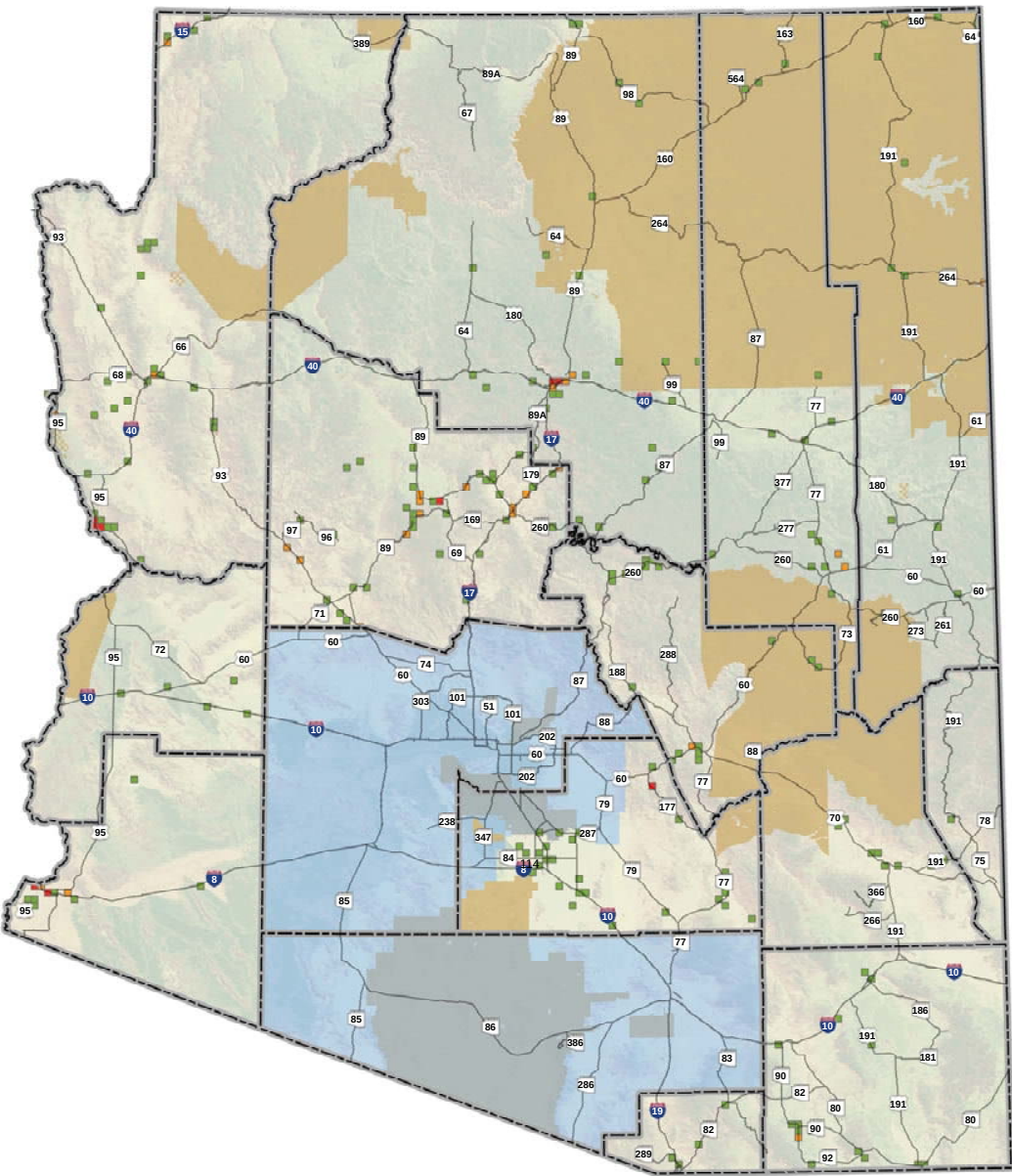
Density of Crashes in MAG/PAG TMA Regions



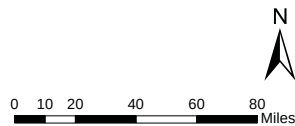
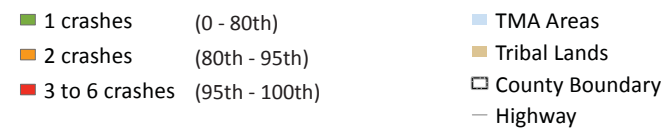
Crash Count per 5-square-mile Area
(Distribution Percentile)



Density of Crashes in non-TMA Regions



Crash Count per 5-square-mile Area
(Distribution Percentile)



Notes:
1) Crash statistics include all fatal and incapacitating injury crash incidents occurring between January 1, 2005 and December 31, 2012.
2) Transportation Management Areas (TMAs) currently exist in the Maricopa Association of Governments (MAG) Region and Pima Association of Governments (PAG) Region.
Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

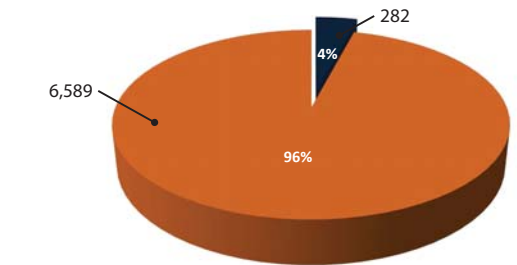
Total Aggressive Drivers Serious Crashes
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	37	150
2006	53	149
2007	43	142
2008	36	134
2009	23	92
2010	17	91
2011	37	80
2012	36	82
Total	282	920

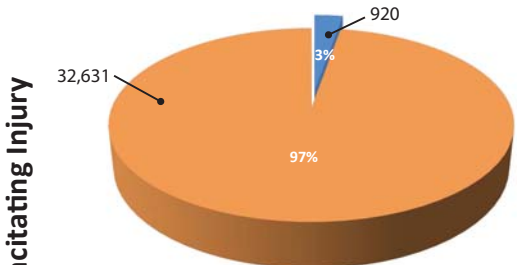
Total Crashes in Arizona
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	1,049	5,212
2006	1,126	4,934
2007	952	4,860
2008	843	4,133
2009	709	3,738
2010	695	3,576
2011	755	3,589
2012	742	3,509
Total	6,871	33,551

Percent of Aggressive Driver Crashes
Compared to Total Crashes in Arizona



Fatal
■ Aggressive Driver Fatal Crashes
■ Other Fatal Crashes in Arizona



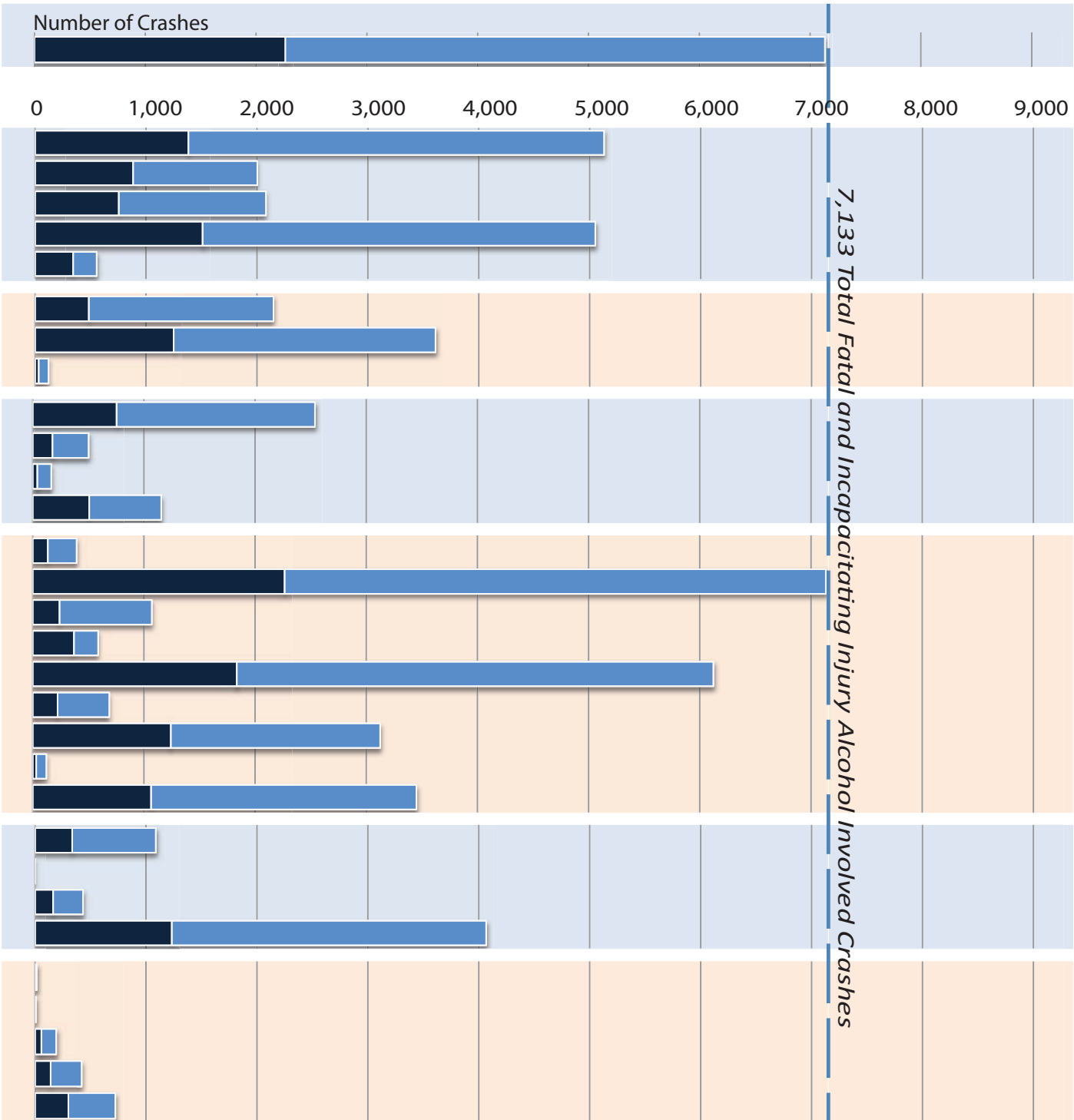
Incapacitating Injury
■ Aggressive Driver Incapacitating Injury Crashes
■ Other Incapacitating Crashes in Arizona

Arizona Strategic Highway Safety Plan

Alcohol Involved Crash Summary | 2005-2012

Alcohol Involved Fatal and Incapacitating Injury Crash Statistics from 2005-2012

Alcohol Involved		Fatal		Incapacitating Injury		Total	
		2,265	100%	4,868	100%	7,133	100%
Characteristics		Fatal		Incapacitating Injury		Total	
		# of Crashes	% to total	# of Crashes	% to total	# of Crashes	% to total
Geographic	Urban	1,382	61.0%	3,748	77.0%	5,130	71.9%
	Rural	883	39.0%	1,120	23.0%	2,003	28.1%
	Highway	755	33.3%	1,327	27.3%	2,082	29.2%
	Other Road	1,510	66.7%	3,541	72.7%	5,051	70.8%
	Tribal Land	343	15.1%	213	4.4%	556	7.8%
Geometry	Intersection Related	484	21.4%	1,666	34.2%	2,150	30.1%
	Lane Departure	1,250	55.2%	2,360	48.5%	3,610	50.6%
	Work Zone	32	1.4%	90	1.8%	122	1.7%
Person Type	Young Driver (13-24)	754	33.3%	1,784	36.6%	2,538	35.6%
	65 and Older	178	7.9%	325	6.7%	503	7.1%
	Pedalcyclist Involved	42	1.9%	126	2.6%	168	2.4%
	Pedestrian Involved	508	22.4%	648	13.3%	1,156	16.2%
Behavior	Aggressive Driver	136	6.0%	260	5.3%	396	5.6%
	Alcohol Involved	2,265	100.0%	4,868	100.0%	7,133	100.0%
	Distracted Driver	241	10.6%	831	17.1%	1,072	15.0%
	Drug Involved	371	16.4%	218	4.5%	589	8.3%
	Impaired Driver	1,835	81.0%	4,287	88.1%	6,122	85.8%
	Unhelmeted Motorcyclist	224	9.9%	465	9.6%	689	9.7%
	No Restraint Used	1,242	54.8%	1,883	38.7%	3,125	43.8%
	Sleepy or Fatigued	31	1.4%	93	1.9%	124	1.7%
Vehicle	Speeding Involved	1,064	47.0%	2,388	49.1%	3,452	48.4%
	Motorcycle Involved	334	14.7%	754	15.5%	1,088	15.3%
	Train Involved	2	0.1%	0	0.0%	2	0.0%
	Truck Involved	163	7.2%	270	5.5%	433	6.1%
Environmental	Multiple Vehicle	1,232	54.4%	2,835	58.2%	4,067	57.0%
	Dust Related (Windy)	10	0.4%	5	0.1%	15	0.2%
	Wildlife/Animal Involved	4	0.2%	4	0.1%	8	0.1%
	Wet Weather	57	2.5%	134	2.8%	191	2.7%
	Dusk/ Dawn	141	6.2%	280	5.8%	421	5.9%
	Dark - No Light	300	13.2%	424	8.7%	724	10.2%



Notes:

1) The percentages shown in the table reflect the percent of Alcohol Involved crashes that also exhibit the characteristics being summarized.

2) Urban versus Rural designation of crash occurrence is based on the 2010 U.S. Census designation of urbanized areas.

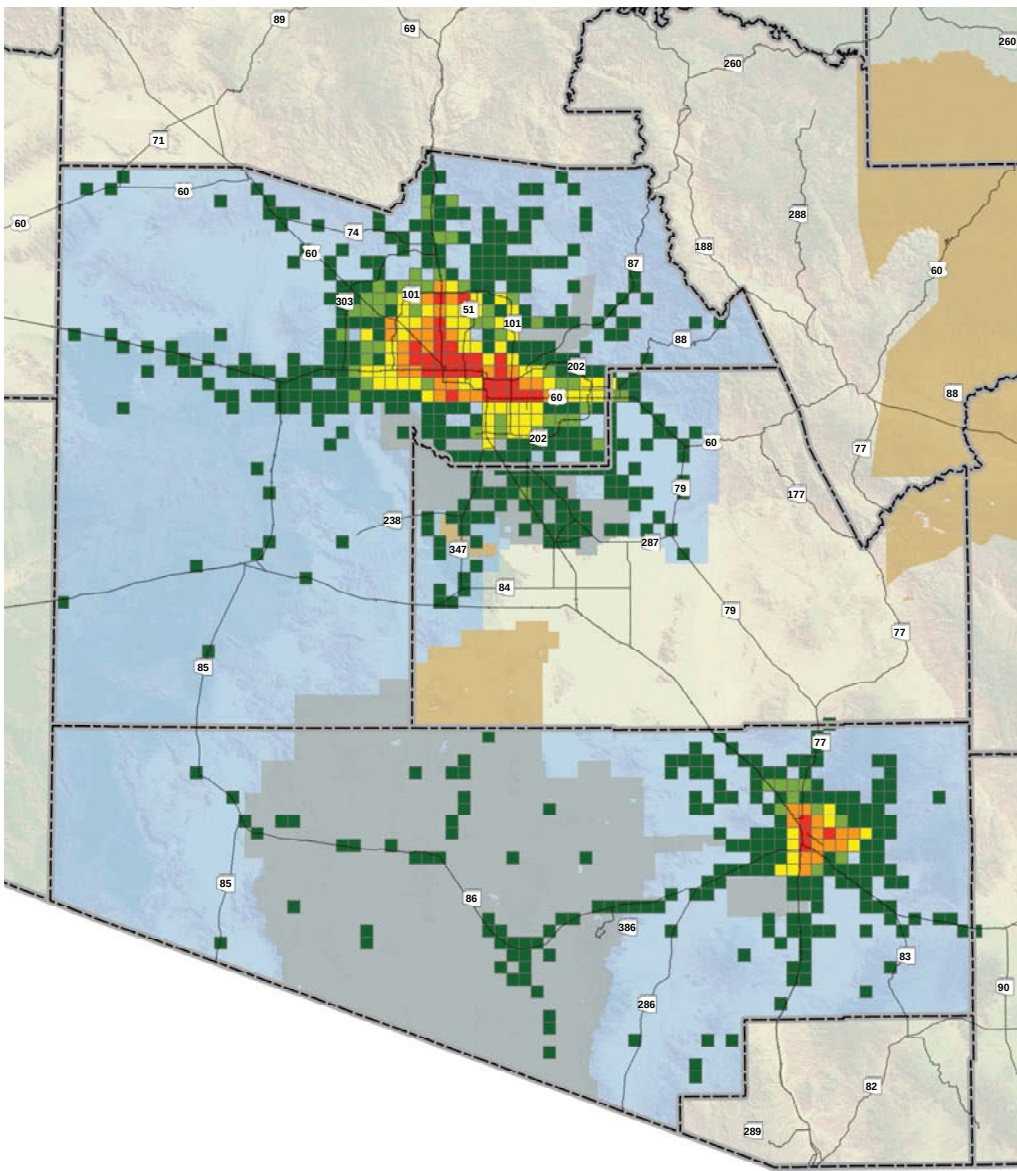
Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

Note: The graphs illustrate the number of Alcohol Involved crashes that also involved the graphed characteristic.

Arizona Strategic Highway Safety Plan

Alcohol Involved Crash Distribution | 2005-2012

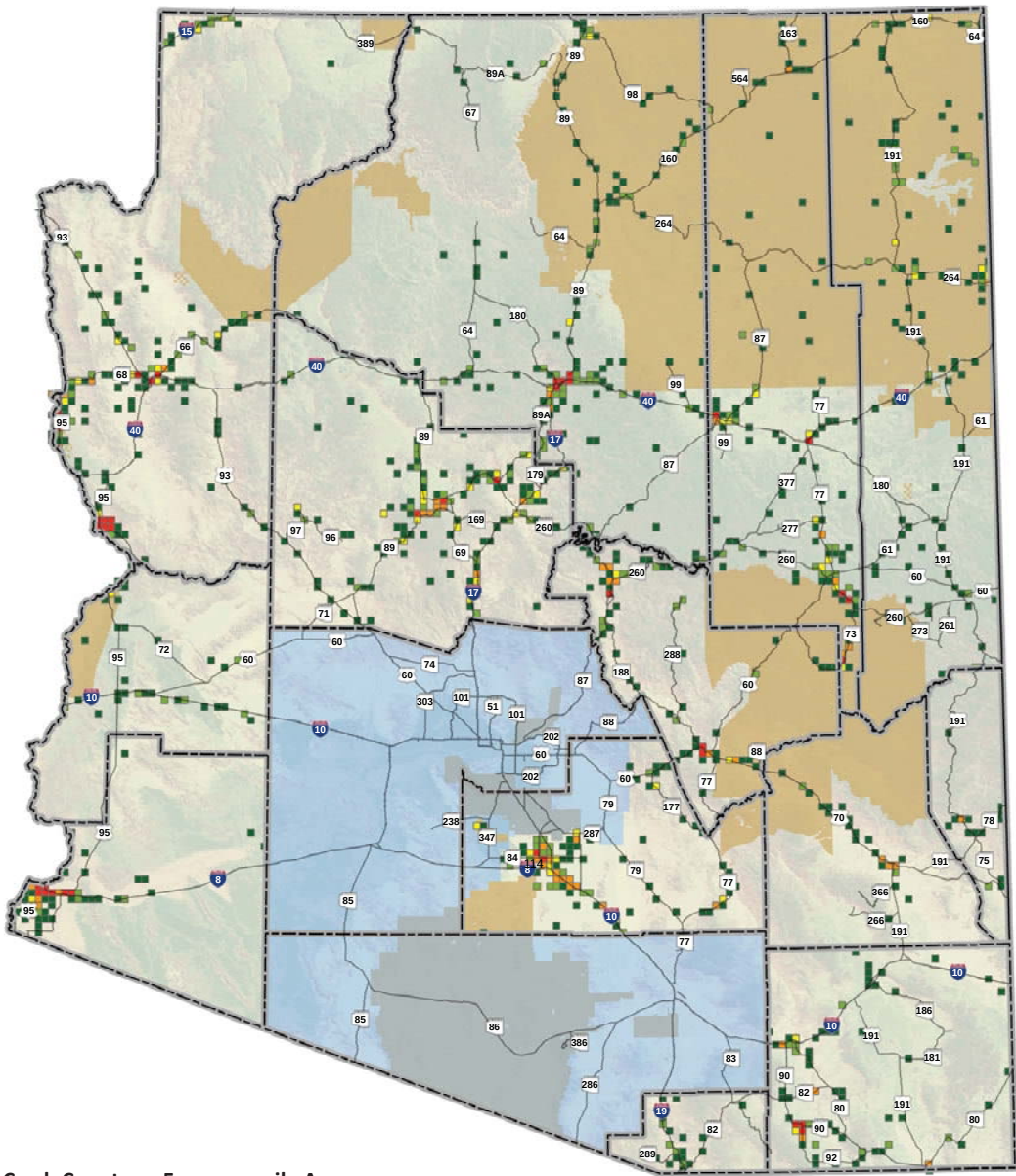
Density of Crashes in MAG/PAG TMA Regions



Crash Count per 5-square-mile Area
(Distribution Percentile)



Density of Crashes in non-TMA Regions



Crash Count per 5-square-mile Area
(Distribution Percentile)



Notes:
1) Crash statistics include all fatal and incapacitating injury crash incidents occurring between January 1, 2005 and December 31, 2012.
2) Transportation Management Areas (TMAs) currently exist in the Maricopa Association of Governments (MAG) Region and Pima Association of Governments (PAG) Region.
Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

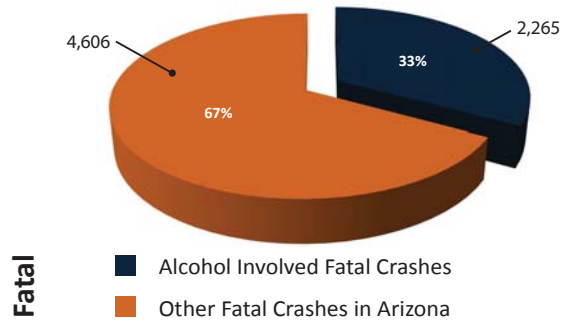
Total Alcohol Involved Serious Crashes
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	256	781
2006	335	747
2007	357	678
2008	320	624
2009	251	573
2010	240	505
2011	254	488
2012	252	472
Total	2,265	4,868

Total Crashes in Arizona
by Year 2005-2012

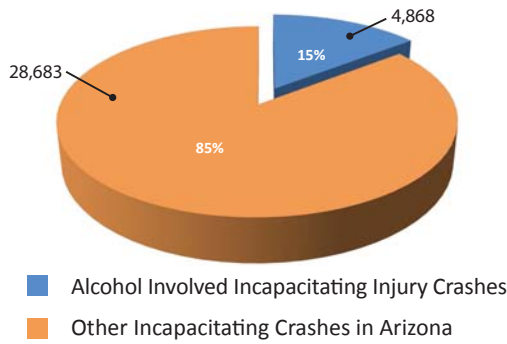
Year	Fatal	Incapacitating Injury
2005	1,049	5,212
2006	1,126	4,934
2007	952	4,860
2008	843	4,133
2009	709	3,738
2010	695	3,576
2011	755	3,589
2012	742	3,509
Total	6,871	33,551

Alcohol Involved Crashes
Compared to Total Crashes in Arizona



Fatal

Incapacitating Injury

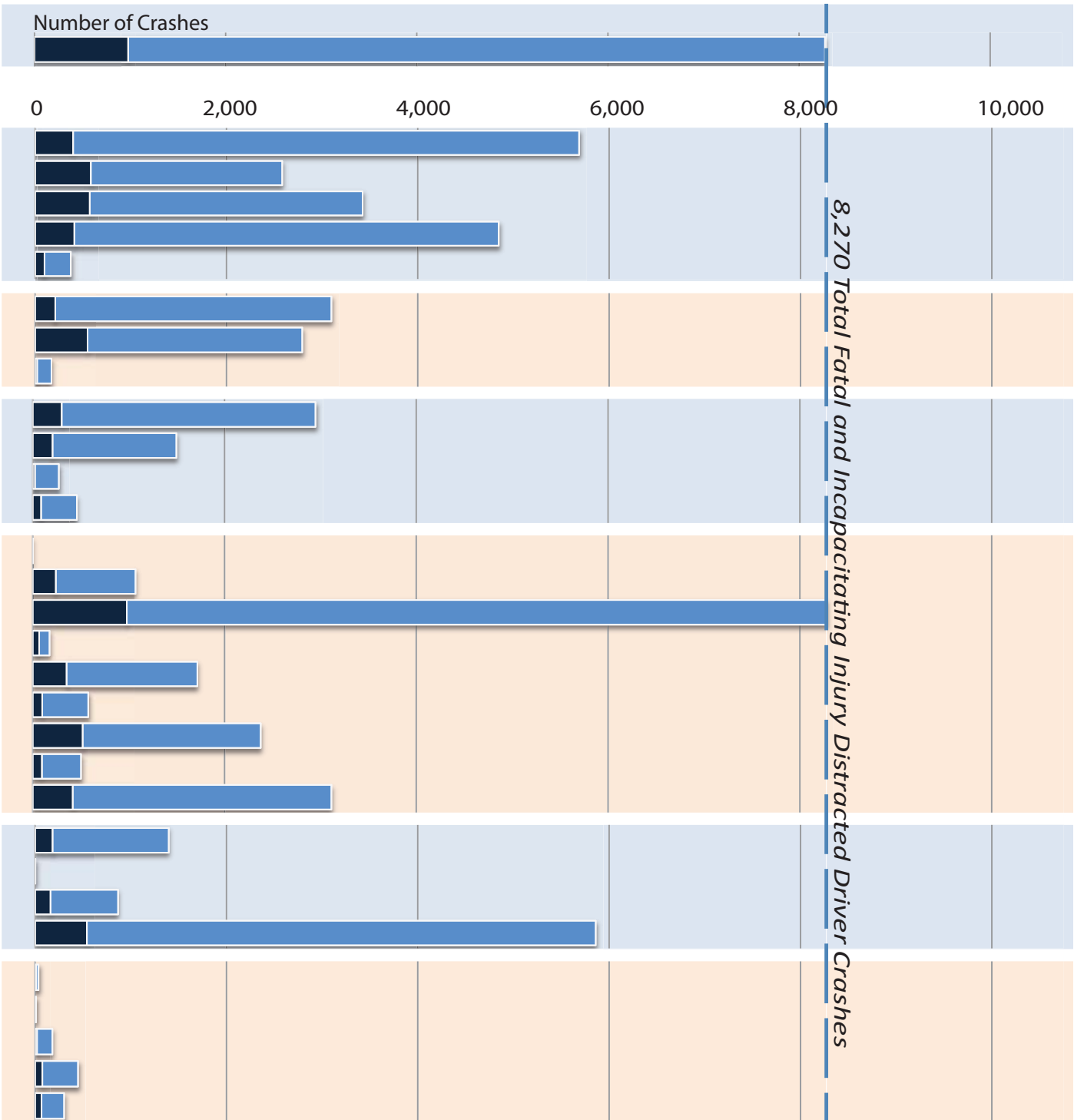


Arizona Strategic Highway Safety Plan

Distracted Driver Crash Summary | 2005-2012

Distracted Driver Fatal and Incapacitating Injury Crash Statistics from 2005-2012

Distracted Driver		Fatal		Incapacitating Injury		Total	
		981	100%	7,289	100%	8,270	100%
Characteristics		Fatal		Incapacitating Injury		Total	
		# of Crashes	% to total	# of Crashes	% to total	# of Crashes	% to total
Geographic	Urban	398	40.6%	5,288	72.5%	5,686	68.8%
	Rural	583	59.4%	2,001	27.5%	2,584	31.2%
	Highway	571	58.2%	2,853	39.1%	3,424	41.4%
	Other Road	410	41.8%	4,436	60.9%	4,846	58.6%
	Tribal Land	98	10.0%	276	3.8%	374	4.5%
Geometry	Intersection Related	211	21.5%	2,886	39.6%	3,097	37.4%
	Lane Departure	549	56.0%	2,244	30.8%	2,793	33.8%
	Work Zone	22	2.2%	150	2.1%	172	2.1%
Person Type	Young Driver (13-24)	303	30.9%	2,646	36.3%	2,949	35.7%
	65 and Older	207	21.1%	1,292	17.7%	1,499	18.1%
	Pedalcyclist Involved	24	2.4%	248	3.4%	272	3.3%
	Pedestrian Involved	88	9.0%	373	5.1%	461	5.6%
Behavior	Aggressive Driver	0	0.0%	2	0.0%	2	0.0%
	Alcohol Involved	241	24.6%	831	11.4%	1,072	13.0%
	Distracted Driver	981	100.0%	7,289	100.0%	8,270	100.0%
	Drug Involved	68	6.9%	108	1.5%	176	2.1%
	Impaired Driver	354	36.1%	1,363	18.7%	1,717	20.8%
	Unhelmeted Motorcyclist	99	10.1%	480	6.6%	579	7.0%
	No Restraint Used	521	53.1%	1,857	25.5%	2,378	28.8%
	Sleepy or Fatigued	97	9.9%	407	5.6%	504	6.1%
	Speeding Involved	418	42.6%	2,697	37.0%	3,115	37.7%
Vehicle	Motorcycle Involved	182	18.6%	1,215	16.7%	1,397	16.9%
	Train Involved	2	0.2%	1	0.0%	3	0.0%
	Truck Involved	161	16.4%	707	9.7%	868	10.5%
	Multiple Vehicle	542	55.2%	5,318	73.0%	5,860	70.9%
Environmental	Dust Related (Windy)	12	1.2%	24	0.3%	36	0.4%
	Wildlife/Animal Involved	1	0.1%	9	0.1%	10	0.1%
	Wet Weather	20	2.0%	161	2.2%	181	2.2%
	Dusk/ Dawn	76	7.7%	373	5.1%	449	5.4%
	Dark - No Light	68	6.9%	236	3.2%	304	3.7%



Note: The graphs illustrate the number of Distracted Driver crashes that also involved the graphed characteristic.

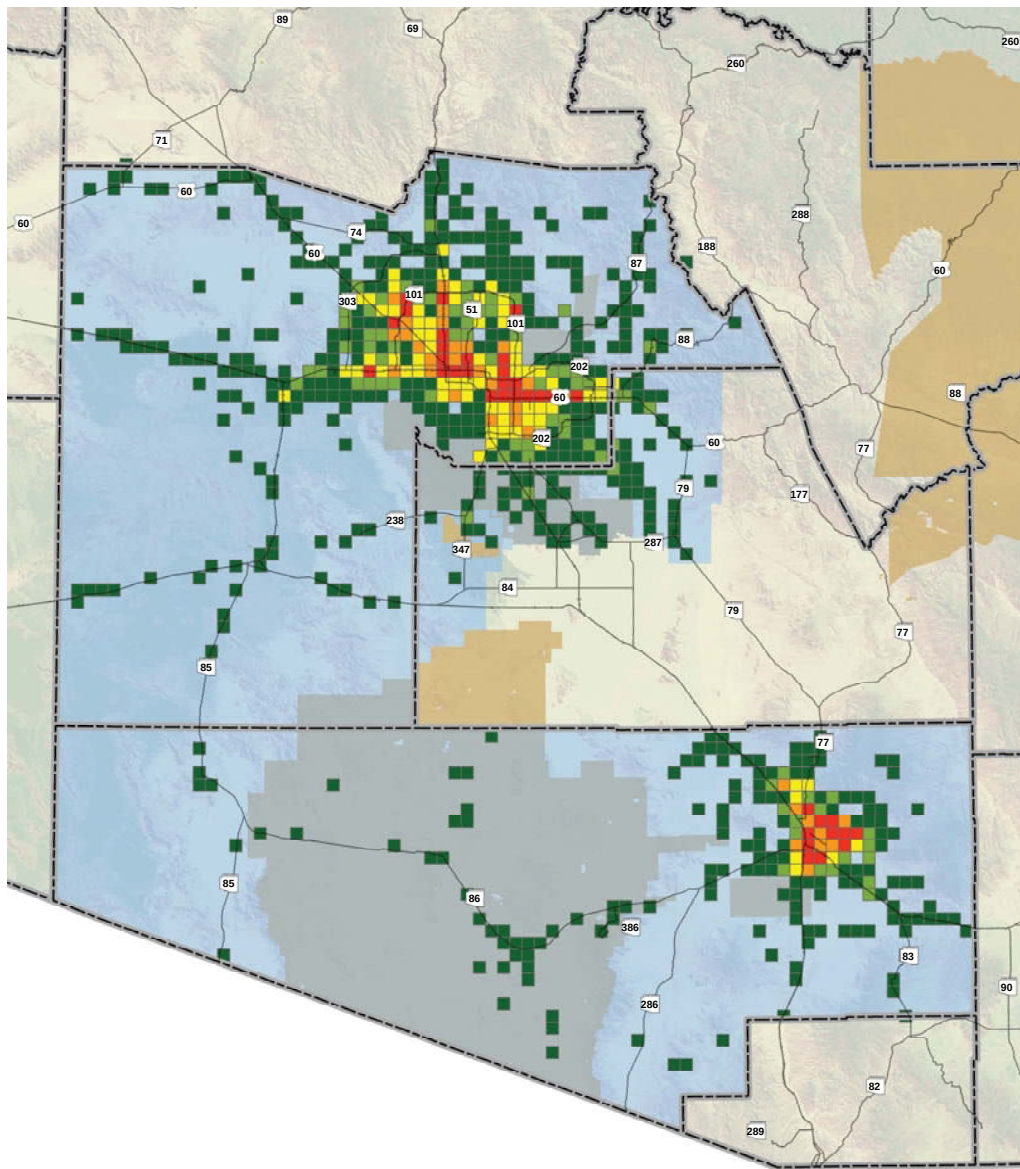
Notes:

- 1) The percentages shown in the table reflect the percent of Distracted Driver crashes that also exhibit the characteristics being summarized.
- 2) Urban versus Rural designation of crash occurrence is based on the 2010 U.S. Census designation of urbanized areas.
- Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

Arizona Strategic Highway Safety Plan

Distracted Driver Crash Distribution | 2005-2012

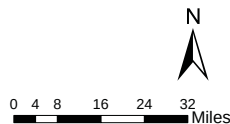
Density of Crashes in MAG/PAG TMA Regions



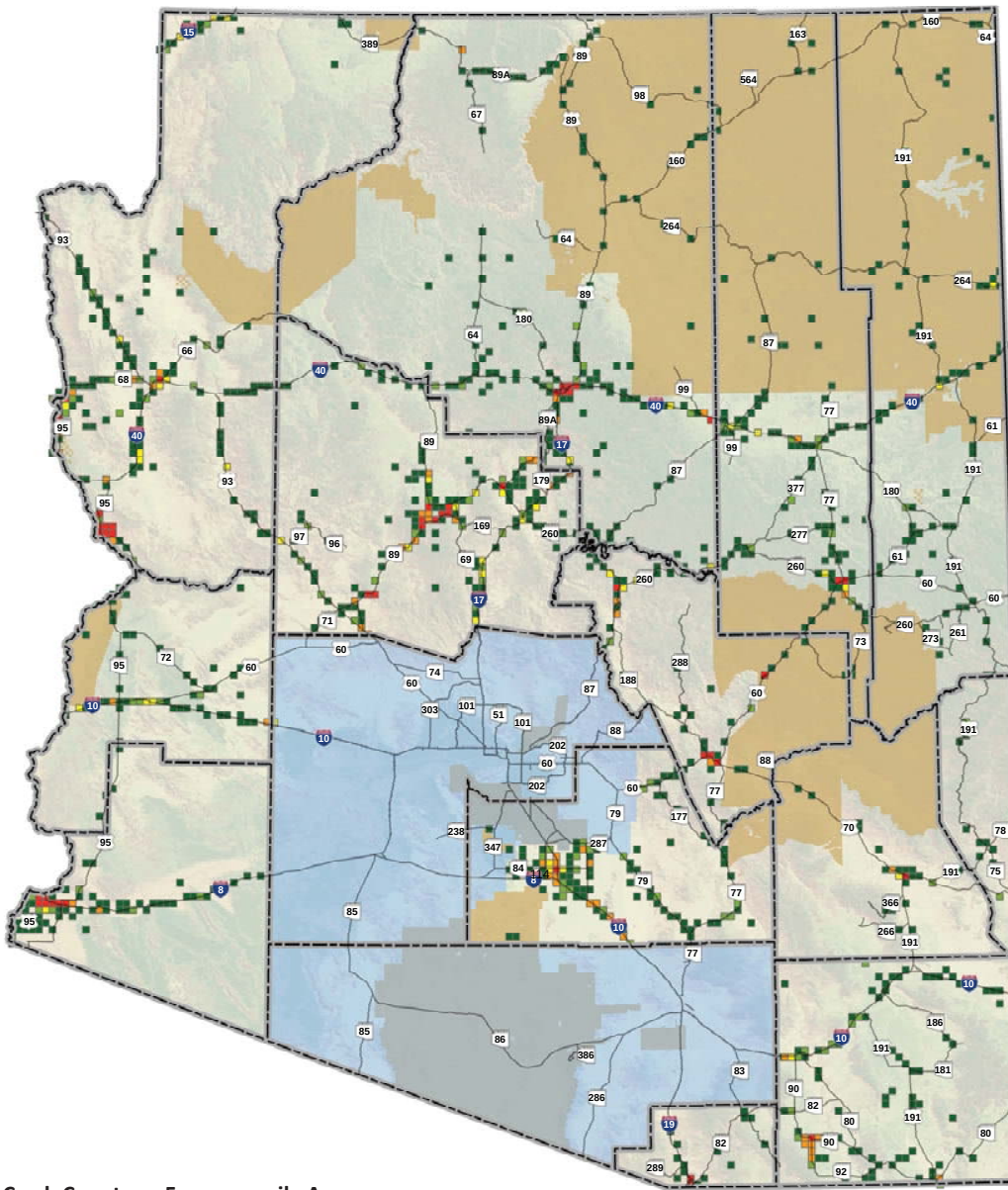
Crash Count per 5-square-mile Area
(Distribution Percentile)

- 1 to 6 crashes (0 - 70th)
- 7 to 11 crashes (70th - 80th)
- 12 to 20 crashes (80th - 90th)
- 21 to 30 crashes (90th - 95th)
- 31 to 83 crashes (95th - 100th)

- TMA Areas
- Tribal Lands
- County Boundary
- Highway



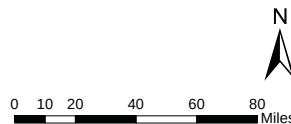
Density of Crashes in non-TMA Regions



Crash Count per 5-square-mile Area
(Distribution Percentile)

- 1 to 2 crashes (0 - 70th)
- 3 crashes (70th - 80th)
- 4 crashes (80th - 90th)
- 5 to 7 crashes (90th - 95th)
- 8 to 47 crashes (95th - 100th)

- TMA Areas
- Tribal Lands
- County Boundary
- Highway



Notes:
1) Crash statistics include all fatal and incapacitating injury crash incidents occurring between January 1, 2005 and December 31, 2012.
2) Transportation Management Areas (TMAs) currently exist in the Maricopa Association of Governments (MAG) Region and Pima Association of Governments (PAG) Region.
Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

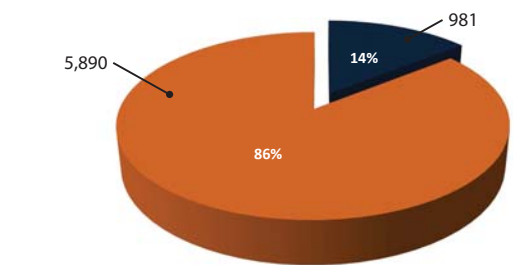
Total Distracted Driver Serious Crashes
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	165	1,241
2006	195	1,064
2007	152	1,142
2008	153	1,024
2009	99	762
2010	88	732
2011	69	720
2012	60	604
Total	981	7,289

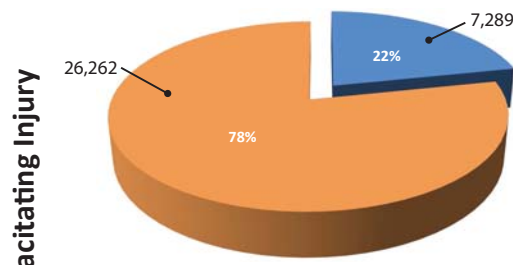
Total Crashes in Arizona
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	1,049	5,212
2006	1,126	4,934
2007	952	4,860
2008	843	4,133
2009	709	3,738
2010	695	3,576
2011	755	3,589
2012	742	3,509
Total	6,871	33,551

Distracted Driver Crashes
Compared to Total Crashes in Arizona



- Distracted Driver Fatal Crashes
- Other Fatal Crashes in Arizona



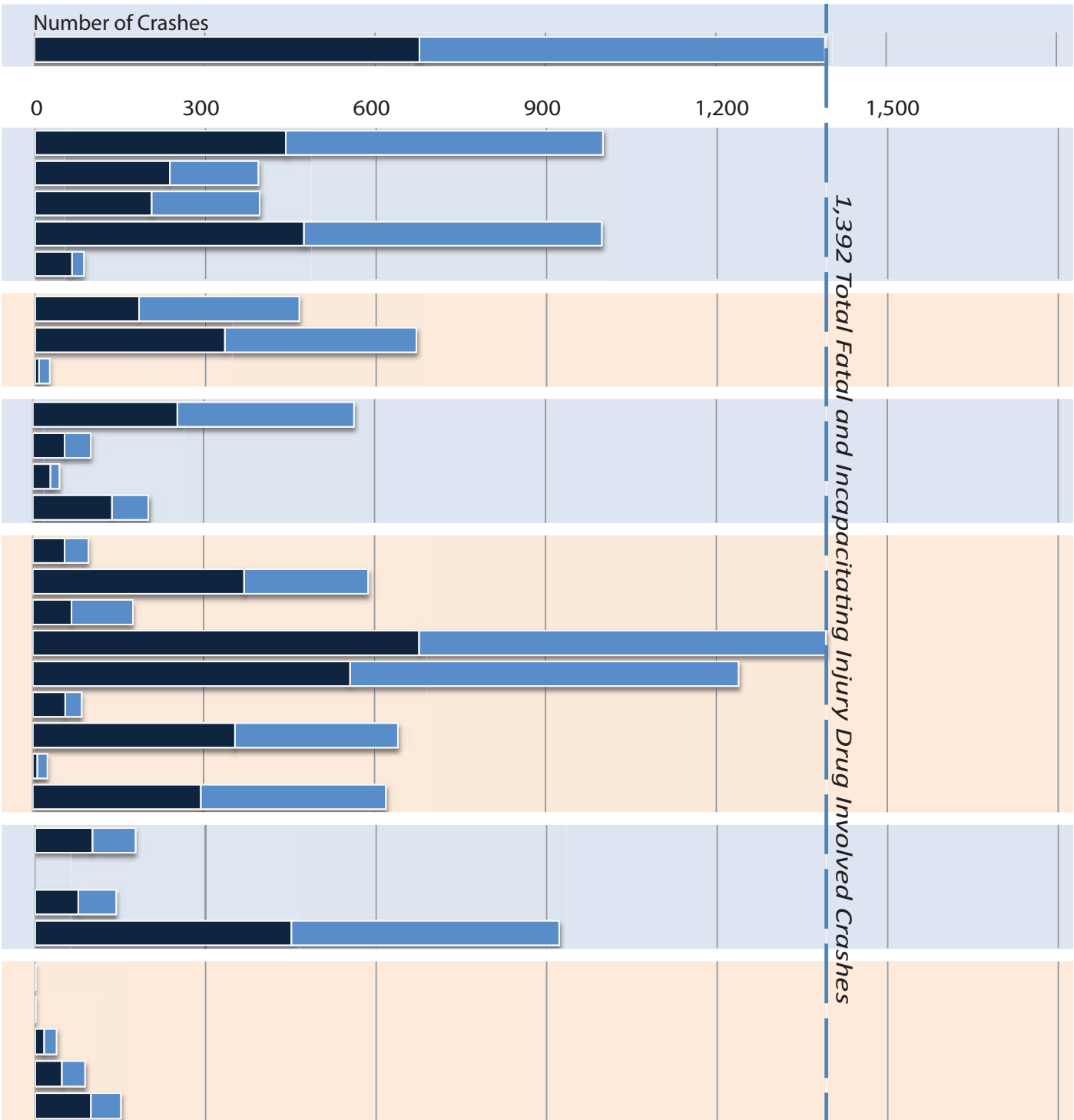
- Distracted Driver Incapacitating Injury Crashes
- Other Incapacitating Crashes in Arizona

Arizona Strategic Highway Safety Plan

Drug Involved Crash Summary | 2005-2012

Drug Involved Fatal and Incapacitating Injury Crash Statistics from 2005-2012

Drug Involved		Fatal		Incapacitating Injury		Total	
		678	100%	714	100%	1,392	100%
Characteristics		Fatal		Incapacitating Injury		Total	
		# of Crashes	% to total	# of Crashes	% to total	# of Crashes	% to total
Geographic	Urban	441	65.0%	558	78.2%	999	71.8%
	Rural	237	35.0%	156	21.8%	393	28.2%
	Highway	205	30.2%	190	26.6%	395	28.4%
	Other Road	473	69.8%	524	73.4%	997	71.6%
	Tribal Land	65	9.6%	21	2.9%	86	6.2%
Geometry	Intersection Related	183	27.0%	282	39.5%	465	33.4%
	Lane Departure	334	49.3%	337	47.2%	671	48.2%
	Work Zone	7	1.0%	19	2.7%	26	1.9%
Person Type	Young Driver (13-24)	254	37.5%	310	43.4%	564	40.5%
	65 and Older	56	8.3%	46	6.4%	102	7.3%
	Pedalcyclist Involved	31	4.6%	16	2.2%	47	3.4%
	Pedestrian Involved	139	20.5%	64	9.0%	203	14.6%
Behavior	Aggressive Driver	56	8.3%	42	5.9%	98	7.0%
	Alcohol Involved	371	54.7%	218	30.5%	589	42.3%
	Distracted Driver	68	10.0%	108	15.1%	176	12.6%
	Drug Involved	678	100.0%	714	100.0%	1,392	100.0%
	Impaired Driver	557	82.2%	682	95.5%	1,239	89.0%
	Unhelmeted Motorcyclist	57	8.4%	29	4.1%	86	6.2%
	No Restraint Used	355	52.4%	286	40.1%	641	46.0%
	Sleepy or Fatigued	8	1.2%	18	2.5%	26	1.9%
Vehicle	Speeding Involved	295	43.5%	325	45.5%	620	44.5%
	Motorcycle Involved	101	14.9%	76	10.6%	177	12.7%
	Train Involved	0	0.0%	0	0.0%	0	0.0%
	Truck Involved	76	11.2%	67	9.4%	143	10.3%
Environmental	Multiple Vehicle	451	66.5%	471	66.0%	922	66.2%
	Dust Related (Windy)	0	0.0%	1	0.1%	1	0.1%
	Wildlife/Animal Involved	1	0.1%	0	0.0%	1	0.1%
	Wet Weather	16	2.4%	22	3.1%	38	2.7%
	Dusk/ Dawn	47	6.9%	41	5.7%	88	6.3%
	Dark - No Light	98	14.5%	53	7.4%	151	10.8%



Note: The graphs illustrate the number of Drug Involved crashes that also involved the graphed characteristic.

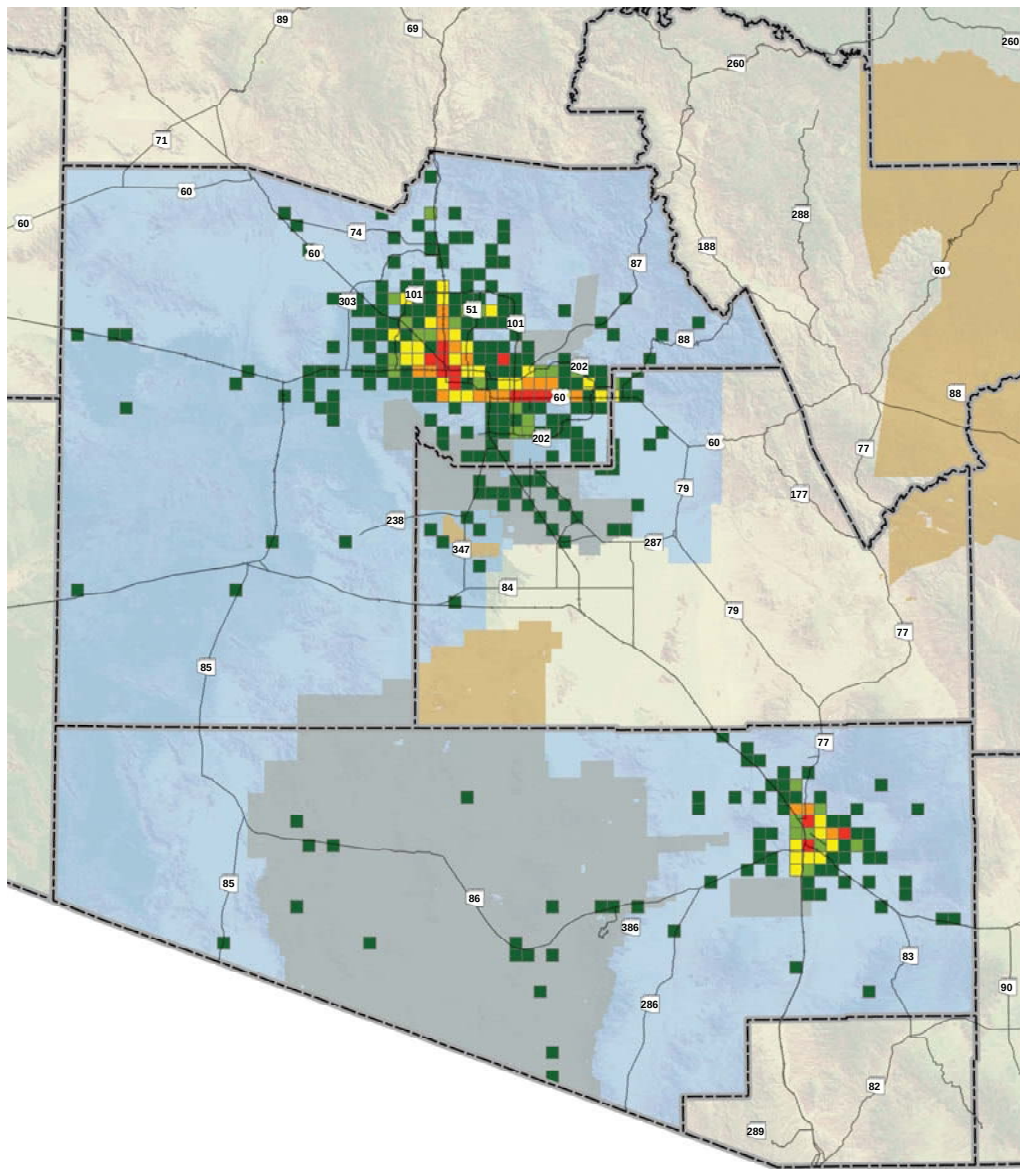
Notes:

- 1) The percentages shown in the table reflect the percent of Drug Involved crashes that also exhibit the characteristics being summarized.
- 2) Urban versus Rural designation of crash occurrence is based on the 2010 U.S. Census designation of urbanized areas.
- Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

Arizona Strategic Highway Safety Plan

Drug Involved Crash Distribution | 2005-2012

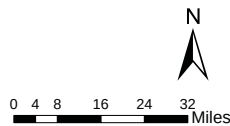
Density of Crashes in MAG/PAG TMA Regions



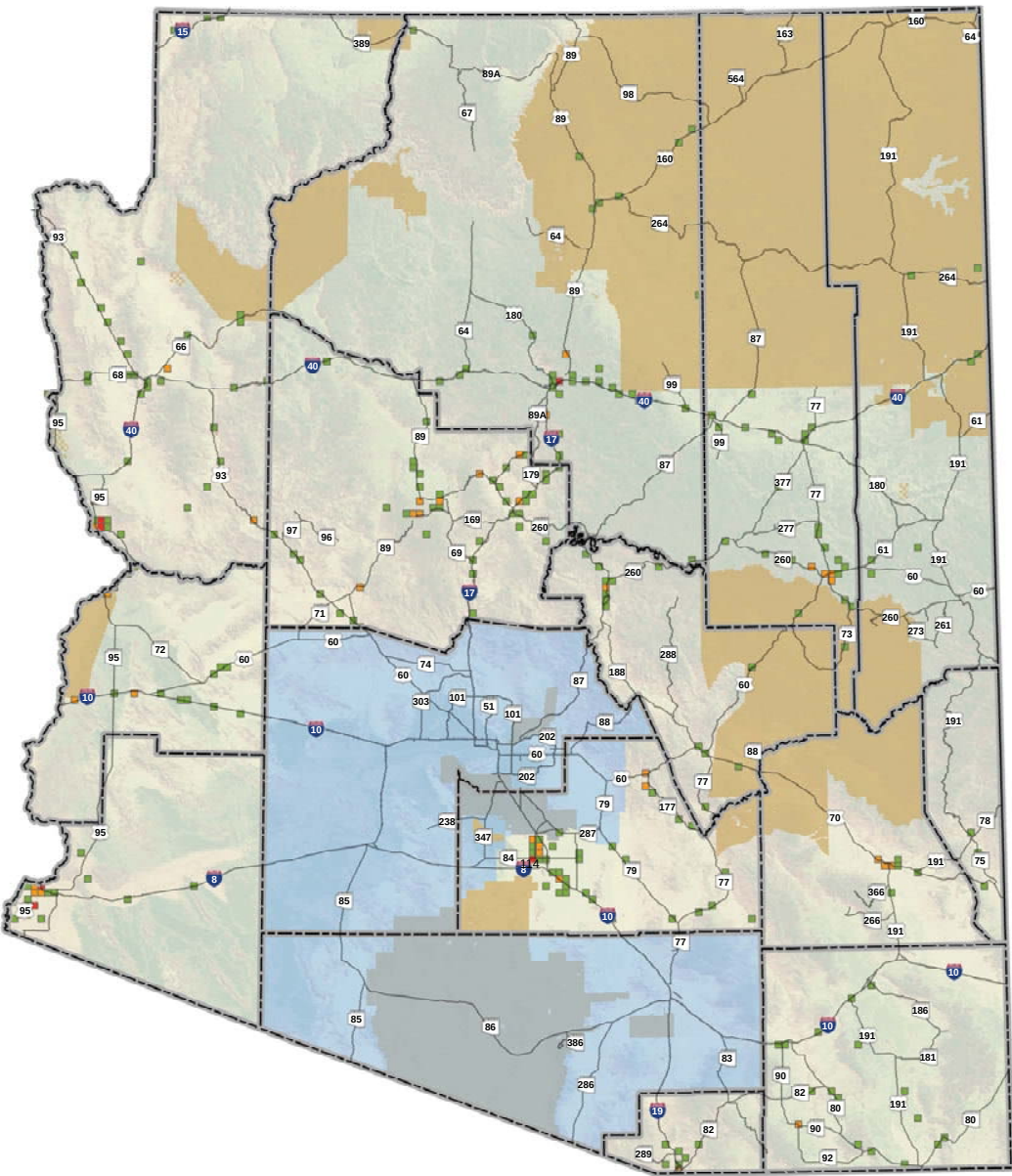
Crash Count per 5-square-mile Area
(Distribution Percentile)

- 1 to 3 crashes (0 - 70th)
- 4 crashes (70th - 80th)
- 5 to 7 crashes (80th - 90th)
- 8 to 10 crashes (90th - 95th)
- 11 to 19 crashes (95th - 100th)

- TMA Areas
- Tribal Lands
- County Boundary
- Highway



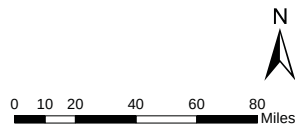
Density of Crashes in non-TMA Regions



Crash Count per 5-square-mile Area
(Distribution Percentile)

- 1 crash (0 - 80th)
- 2 crashes (80th - 95th)
- 3 to 6 crashes (95th - 100th)

- TMA Areas
- Tribal Lands
- County Boundary
- Highway



Notes:
1) Crash statistics include all fatal and incapacitating injury crash incidents occurring between January 1, 2005 and December 31, 2012.
2) Transportation Management Areas (TMAs) currently exist in the Maricopa Association of Governments (MAG) Region and Pima Association of Governments (PAG) Region.
Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

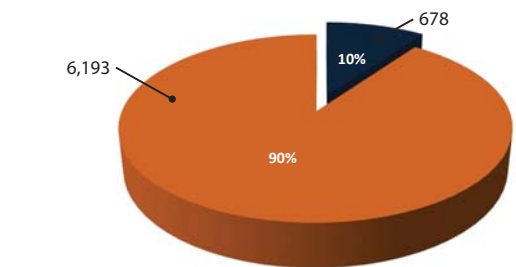
Total Drug Involved Serious Crashes
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	37	93
2006	59	86
2007	83	66
2008	86	54
2009	119	95
2010	85	102
2011	100	114
2012	109	104
Total	678	714

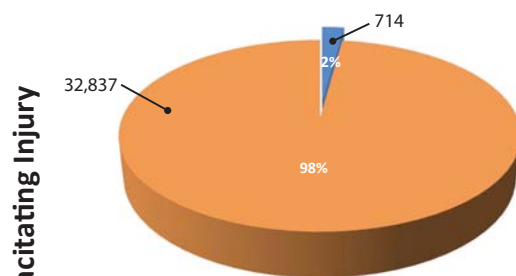
Total Crashes in Arizona
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	1,049	5,212
2006	1,126	4,934
2007	952	4,860
2008	843	4,133
2009	709	3,738
2010	695	3,576
2011	755	3,589
2012	742	3,509
Total	6,871	33,551

Drug Involved Crashes
Compared to Total Crashes in Arizona



- Drug Involved Fatal Crashes
- Other Fatal Crashes in Arizona



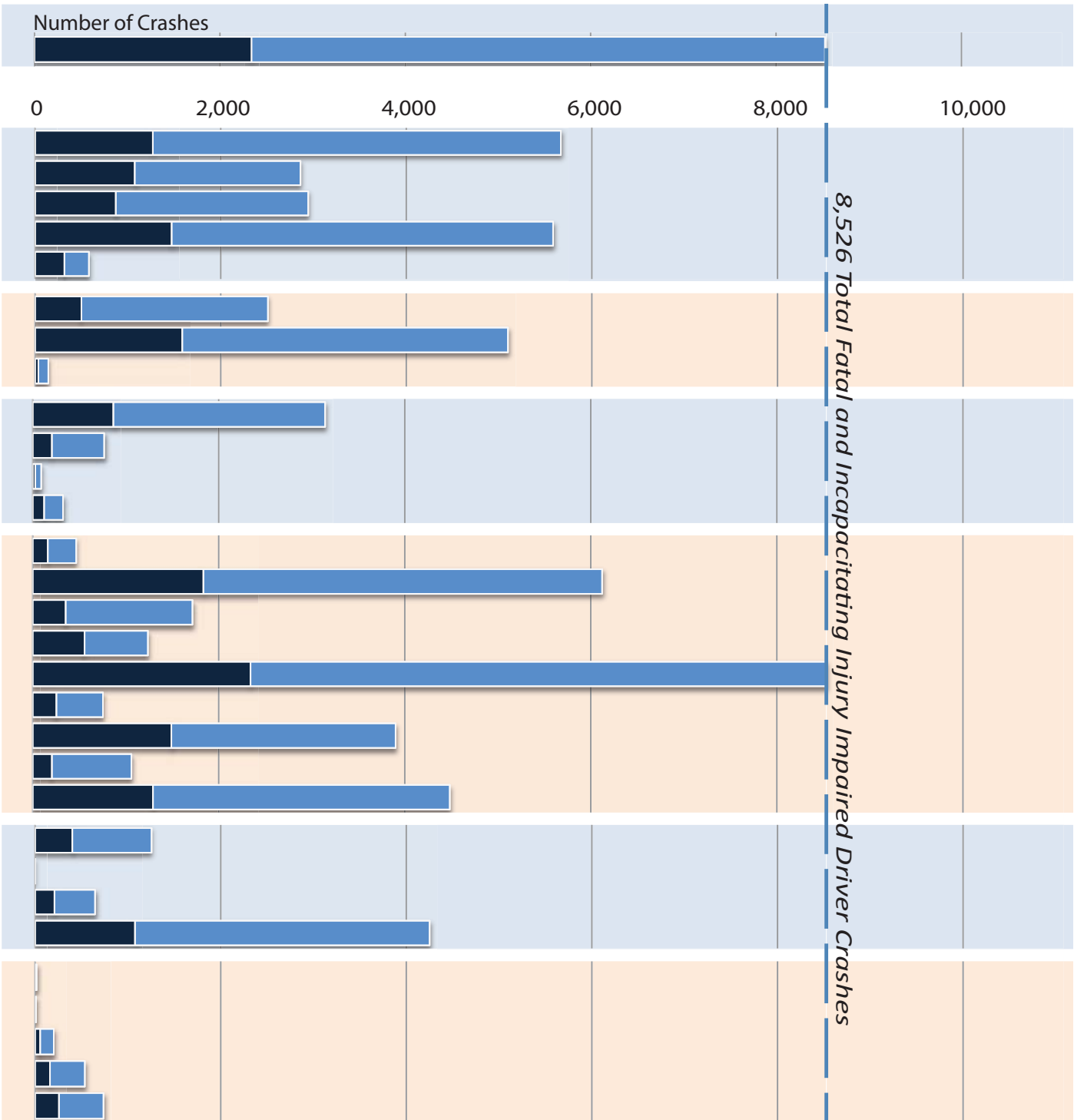
- Drug Involved Incapacitating Injury Crashes
- Other Incapacitating Crashes in Arizona

Arizona Strategic Highway Safety Plan

Impaired Driver Crash Summary | 2005-2012

Impaired Driver Fatal and Incapacitating Injury Crash Statistics from 2005-2012

Impaired Driver		Fatal		Incapacitating Injury		Total	
		2,342	100%	6,184	100%	8,526	100%
Characteristics		Fatal		Incapacitating Injury		Total	
		# of Crashes	% to total	# of Crashes	% to total	# of Crashes	% to total
Geographic	Urban	1,269	54.2%	4,397	71.1%	5,666	66.5%
	Rural	1,073	45.8%	1,787	28.9%	2,860	33.5%
	Highway	870	37.1%	2,074	33.5%	2,944	34.5%
	Other Road	1,472	62.9%	4,110	66.5%	5,582	65.5%
	Tribal Land	316	13.5%	265	4.3%	581	6.8%
Geometry	Intersection Related	499	21.3%	2,010	32.5%	2,509	29.4%
	Lane Departure	1,586	67.7%	3,510	56.8%	5,096	59.8%
	Work Zone	35	1.5%	108	1.7%	143	1.7%
Person Type	Young Driver (13-24)	867	37.0%	2,277	36.8%	3,144	36.9%
	65 and Older	206	8.8%	563	9.1%	769	9.0%
	Pedalcyclist Involved	27	1.2%	65	1.1%	92	1.1%
	Pedestrian Involved	122	5.2%	204	3.3%	326	3.8%
Behavior	Aggressive Driver	162	6.9%	306	4.9%	468	5.5%
	Alcohol Involved	1,835	78.4%	4,287	69.3%	6,122	71.8%
	Distracted Driver	354	15.1%	1,363	22.0%	1,717	20.1%
	Drug Involved	557	23.8%	682	11.0%	1,239	14.5%
	Impaired Driver	2,342	100.0%	6,184	100.0%	8,526	100.0%
	Unhelmeted Motorcyclist	254	10.8%	502	8.1%	756	8.9%
	No Restraint Used	1,491	63.7%	2,410	39.0%	3,901	45.8%
	Sleepy or Fatigued	206	8.8%	856	13.8%	1,062	12.5%
	Speeding Involved	1,293	55.2%	3,191	51.6%	4,484	52.6%
Vehicle	Motorcycle Involved	401	17.1%	854	13.8%	1,255	14.7%
	Train Involved	2	0.1%	0	0.0%	2	0.0%
	Truck Involved	209	8.9%	438	7.1%	647	7.6%
	Multiple Vehicle	1,077	46.0%	3,174	51.3%	4,251	49.9%
Environmental	Dust Related (Windy)	10	0.4%	7	0.1%	17	0.2%
	Wildlife/Animal Involved	5	0.2%	5	0.1%	10	0.1%
	Wet Weather	55	2.3%	146	2.4%	201	2.4%
	Dusk/ Dawn	161	6.9%	376	6.1%	537	6.3%
	Dark - No Light	258	11.0%	479	7.7%	737	8.6%



Notes:

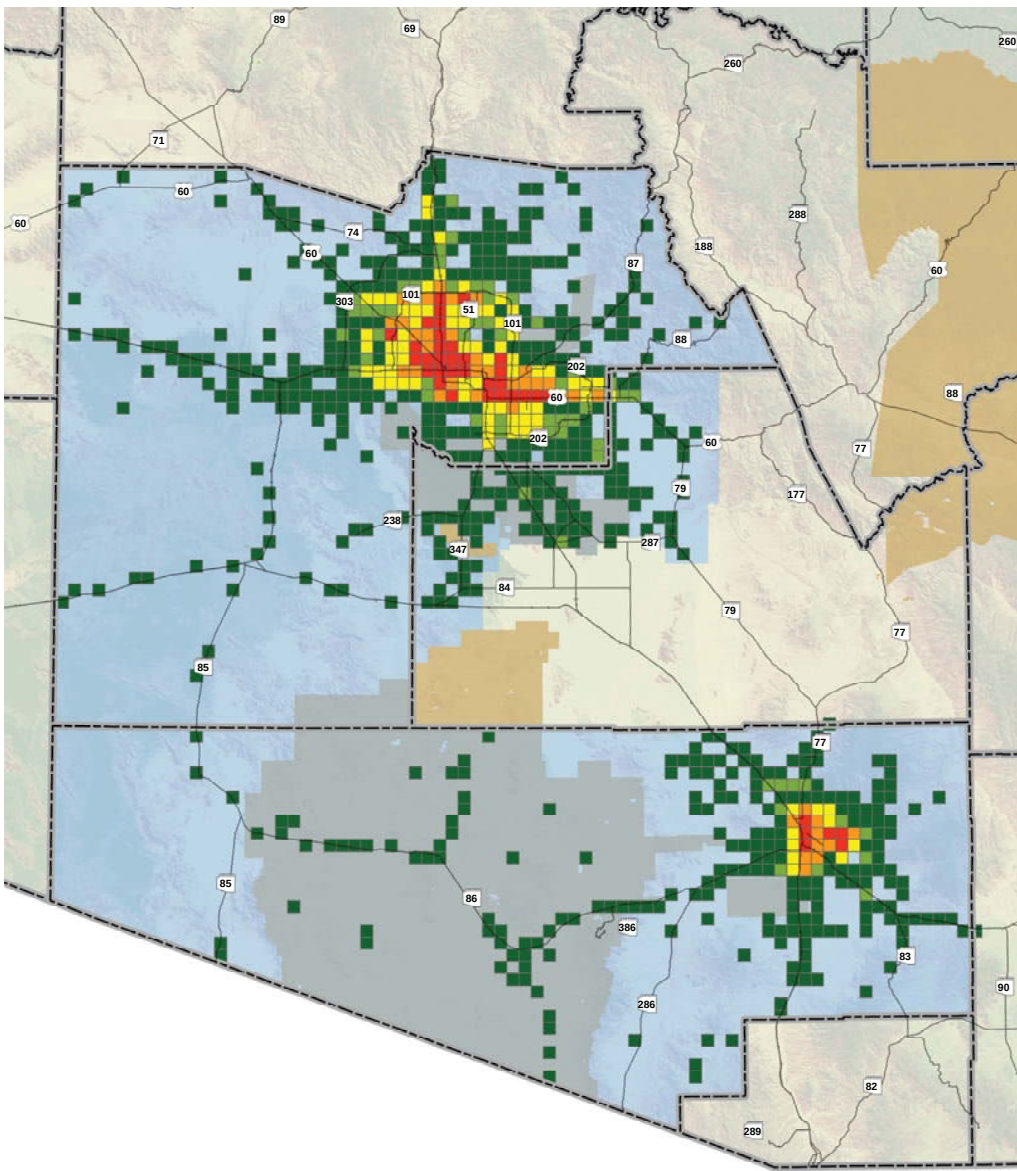
- 1) The percentages shown in the table reflect the percent of Impaired Driver crashes that also exhibit the characteristics being summarized.
- 2) Urban versus Rural designation of crash occurrence is based on the 2010 U.S. Census designation of urbanized areas.
- Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

Note: The graphs illustrate the number of Impaired Driver crashes that also involved the graphed characteristic.

Arizona Strategic Highway Safety Plan

Impaired Driver Crash Distribution | 2005-2012

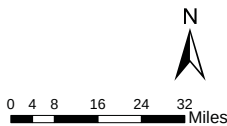
Density of Crashes in MAG/PAG TMA Regions



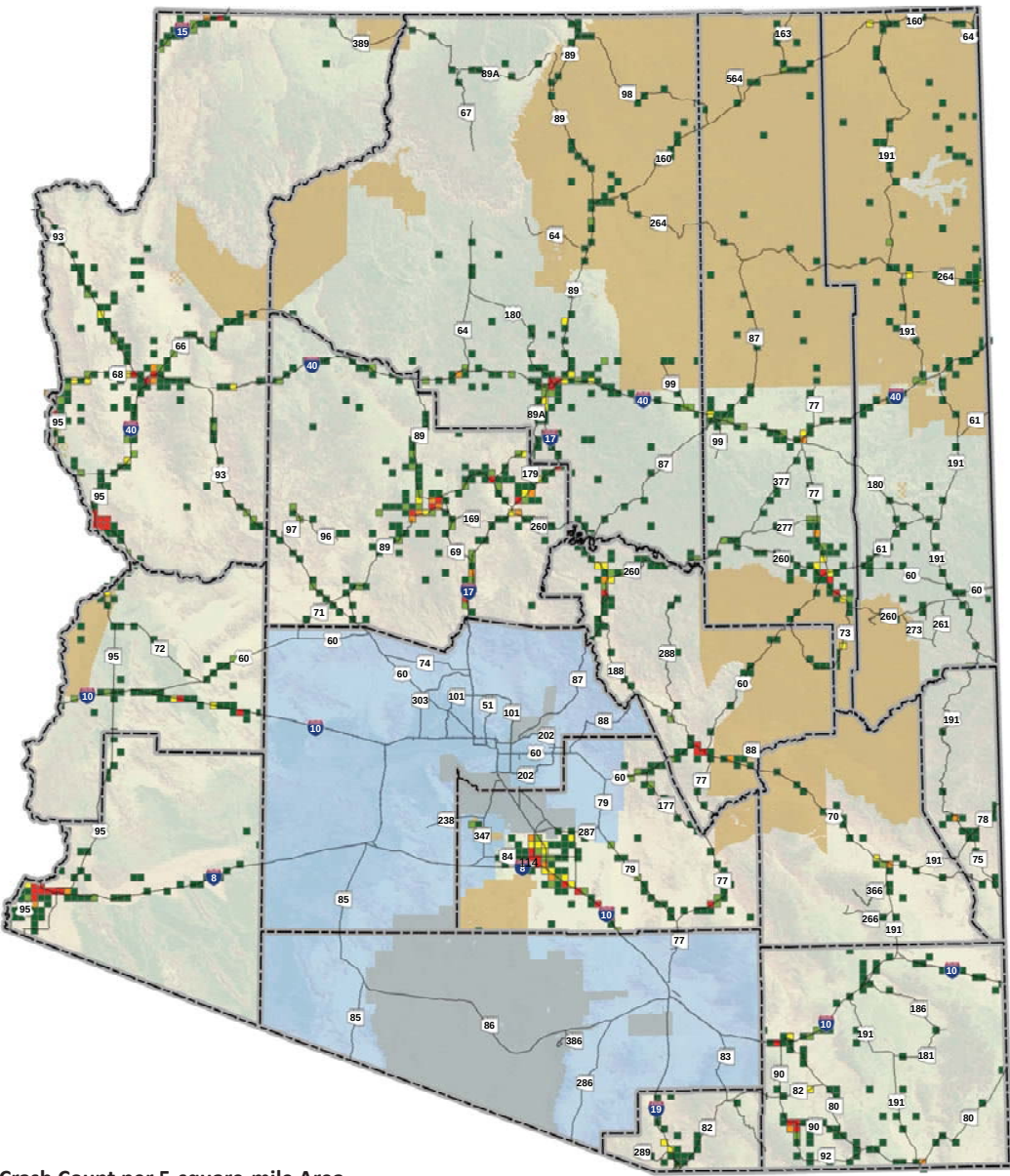
Crash Count per 5-square-mile Area
(Distribution Percentile)

- 1 to 6 crashes (0 - 70th)
- 7 to 10 crashes (70th - 80th)
- 11 to 22 crashes (80th - 90th)
- 23 to 31 crashes (90th - 95th)
- 32 to 121 crashes (95th - 100th)

- TMA Areas
- Tribal Lands
- County Boundary
- Highway



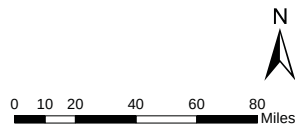
Density of Crashes in non-TMA Regions



Crash Count per 5-square-mile Area
(Distribution Percentile)

- 1 to 2 crashes (0 - 70th)
- 3 crashes (70th - 80th)
- 4 crashes (80th - 90th)
- 5 crashes (90th - 95th)
- 6 to 29 crashes (95th - 100th)

- TMA Areas
- Tribal Lands
- County Boundary
- Highway



Notes:
1) Crash statistics include all fatal and incapacitating injury crash incidents occurring between January 1, 2005 and December 31, 2012.
2) Transportation Management Areas (TMAs) currently exist in the Maricopa Association of Governments (MAG) Region and Pima Association of Governments (PAG) Region.
Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

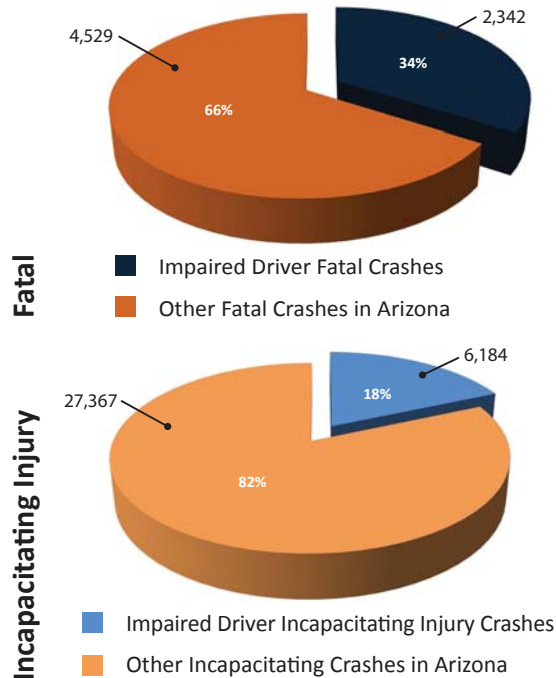
Total Impaired Driver Serious Crashes
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	285	959
2006	339	880
2007	365	846
2008	331	751
2009	264	759
2010	236	660
2011	254	688
2012	268	641
Total	2,342	6,184

Total Crashes in Arizona
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	1,049	5,212
2006	1,126	4,934
2007	952	4,860
2008	843	4,133
2009	709	3,738
2010	695	3,576
2011	755	3,589
2012	742	3,509
Total	6,871	33,551

Impaired Driver Crashes
Compared to Total Crashes in Arizona

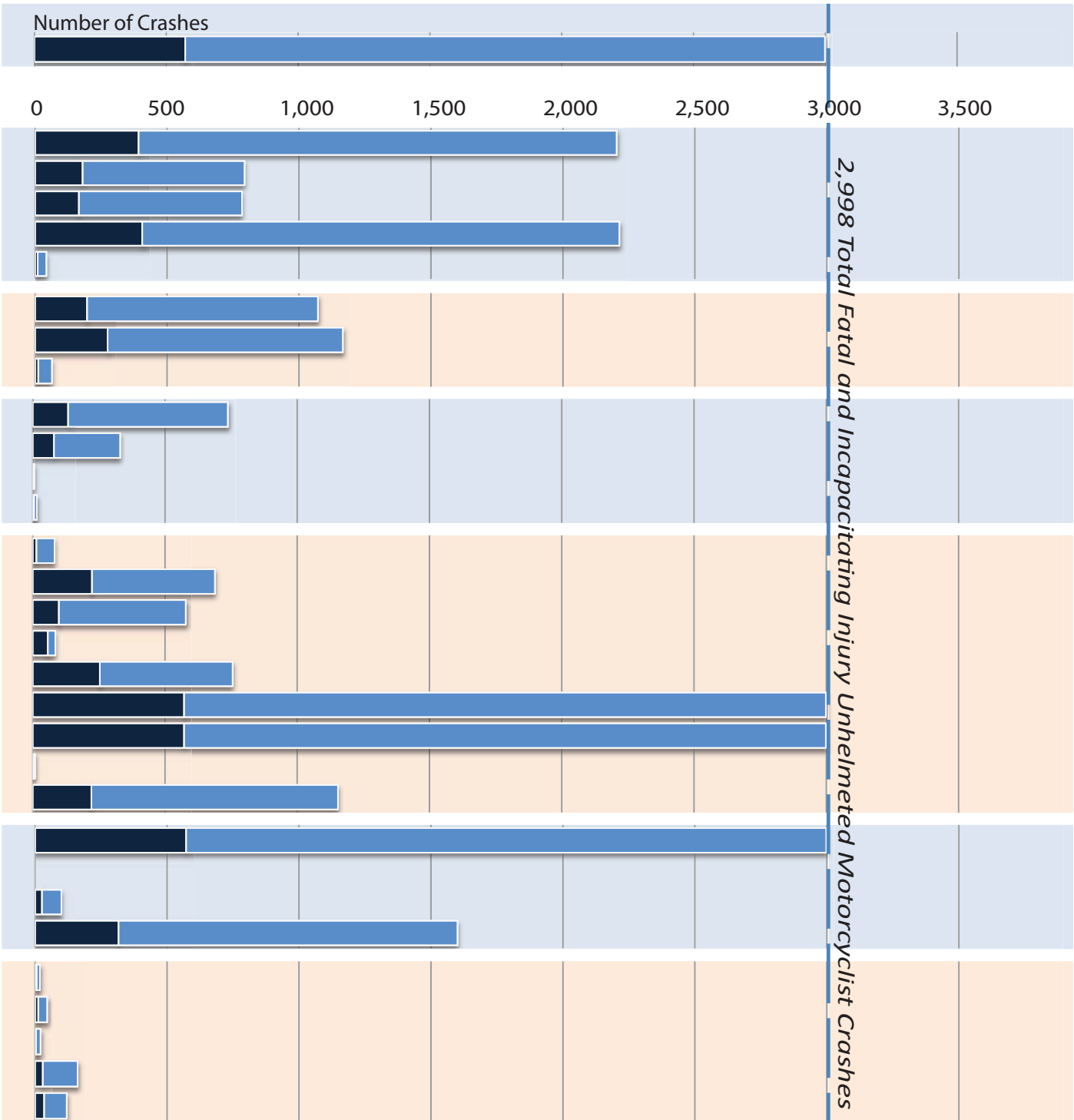


Arizona Strategic Highway Safety Plan

Unhelmeted Motorcyclist Crash Summary | 2005-2012

Unhelmeted Motorcyclist Fatal and Incapacitating Injury Crash Statistics from 2005-2012

Unhelmeted Motorcyclist		Fatal		Incapacitating Injury		Total	
		572	100%	2,426	100%	2,998	100%
Characteristics		Fatal		Incapacitating Injury		Total	
		# of Crashes	% to total	# of Crashes	% to total	# of Crashes	% to total
Geographic	Urban	392	68.5%	1,812	74.7%	2,204	73.5%
	Rural	180	31.5%	614	25.3%	794	26.5%
	Highway	166	29.0%	618	25.5%	784	26.2%
	Other Road	406	71.0%	1,808	74.5%	2,214	73.8%
	Tribal Land	10	1.7%	33	1.4%	43	1.4%
Geometry	Intersection Related	197	34.4%	875	36.1%	1,072	35.8%
	Lane Departure	275	48.1%	891	36.7%	1,166	38.9%
	Work Zone	12	2.1%	52	2.1%	64	2.1%
Person Type	Young Driver (13-24)	134	23.4%	604	24.9%	738	24.6%
	65 and Older	80	14.0%	251	10.3%	331	11.0%
	Pedalcyclist Involved	0	0.0%	6	0.2%	6	0.2%
	Pedestrian Involved	5	0.9%	11	0.5%	16	0.5%
Behavior	Aggressive Driver	14	2.4%	69	2.8%	83	2.8%
	Alcohol Involved	224	39.2%	465	19.2%	689	23.0%
	Distracted Driver	99	17.3%	480	19.8%	579	19.3%
	Drug Involved	57	10.0%	29	1.2%	86	2.9%
	Impaired Driver	254	44.4%	502	20.7%	756	25.2%
	Unhelmeted Motorcyclist	572	100.0%	2,426	100.0%	2,998	100.0%
	No Restraint Used	572	100.0%	2,426	100.0%	2,998	100.0%
	Sleepy or Fatigued	3	0.5%	6	0.2%	9	0.3%
	Speeding Involved	222	38.8%	932	38.4%	1,154	38.5%
Vehicle	Motorcycle Involved	572	100.0%	2,426	100.0%	2,998	100.0%
	Train Involved	0	0.0%	0	0.0%	0	0.0%
	Truck Involved	26	4.5%	74	3.1%	100	3.3%
	Multiple Vehicle	316	55.2%	1,285	53.0%	1,601	53.4%
Environmental	Dust Related (Windy)	6	1.0%	12	0.5%	18	0.6%
	Wildlife/Animal Involved	12	2.1%	34	1.4%	46	1.5%
	Wet Weather	4	0.7%	17	0.7%	21	0.7%
	Dusk/ Dawn	29	5.1%	132	5.4%	161	5.4%
	Dark - No Light	34	5.9%	86	3.5%	120	4.0%



Notes:

- 1) The percentages shown in the table reflect the percent of Unhelmeted Motorcyclist crashes that also exhibit the characteristics being summarized.
2) Urban versus Rural designation of crash occurrence is based on the 2010 U.S. Census designation of urbanized areas.

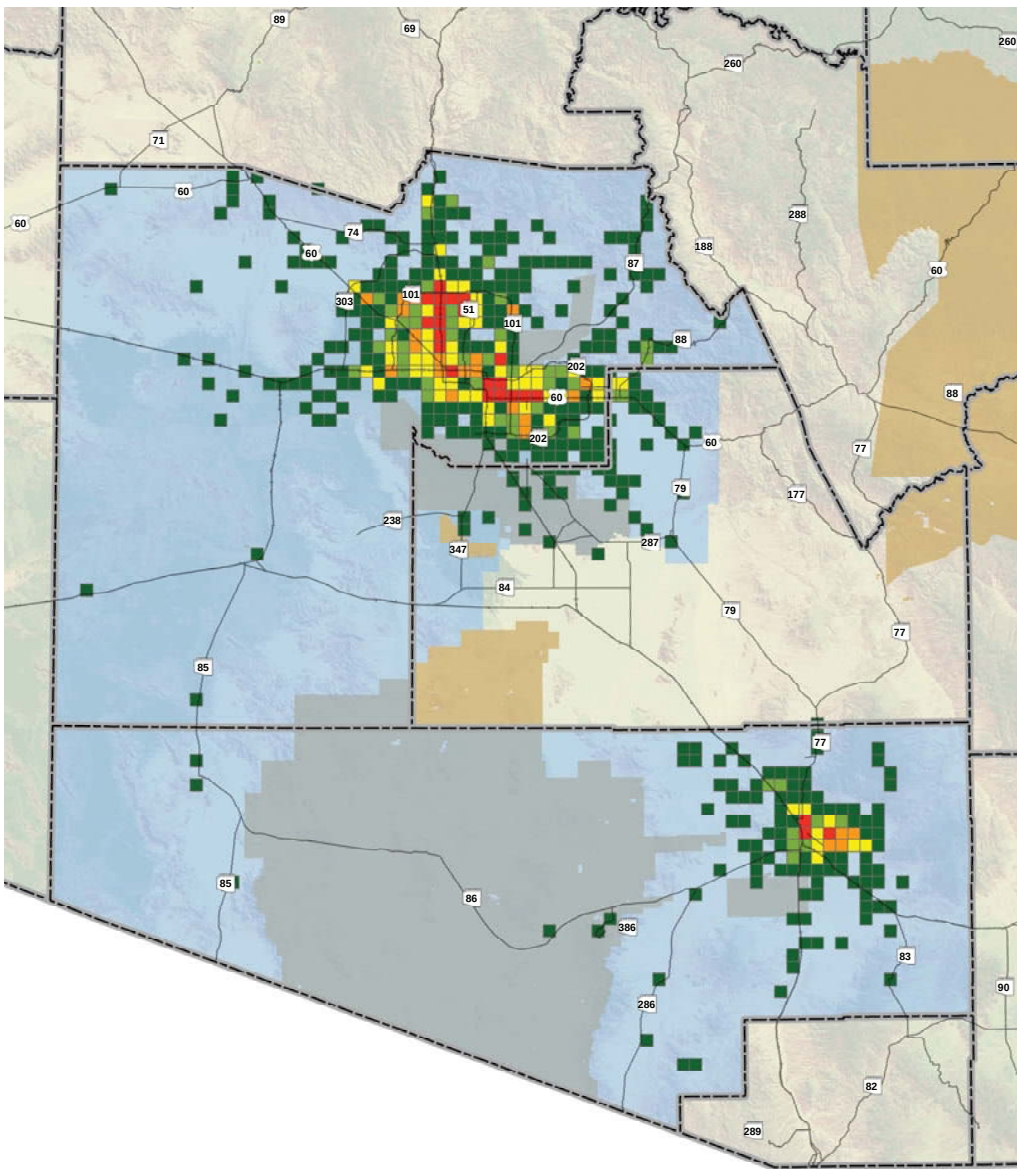
Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

Note: The graphs illustrate the number of Unhelmeted Motorcyclist crashes that also involved the graphed characteristic.

Arizona Strategic Highway Safety Plan

Unhelmeted Motorcyclist Crash Distribution | 2005-2012

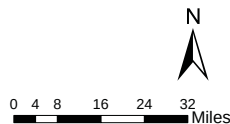
Density of Crashes in MAG/PAG TMA Regions



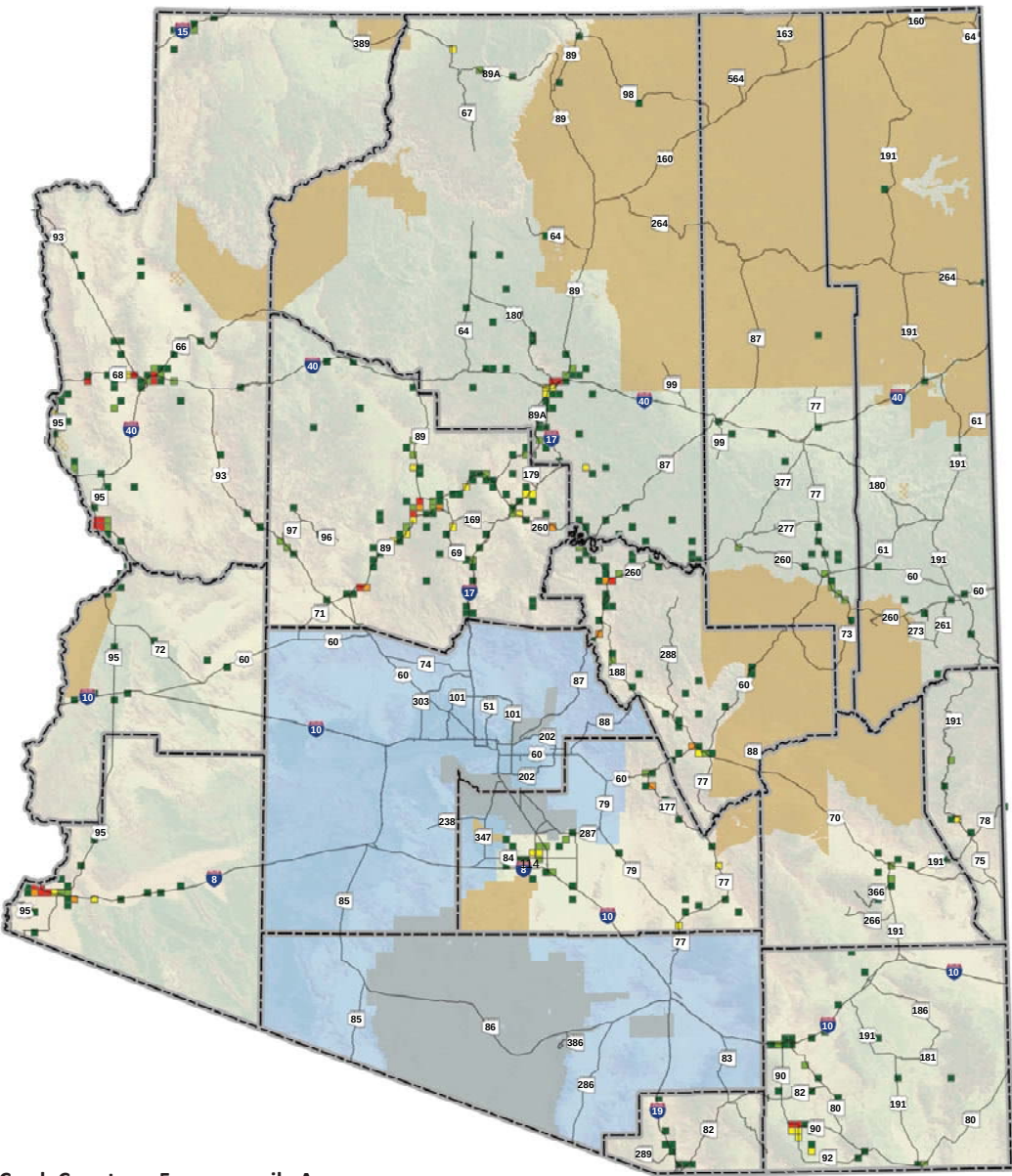
Crash Count per 5-square-mile Area
(Distribution Percentile)

- 1 to 4 crashes (0 - 70th)
- 5 to 6 crashes (70th - 80th)
- 7 to 10 crashes (80th - 90th)
- 11 to 14 crashes (90th - 95th)
- 15 to 55 crashes (95th - 100th)

- TMA Areas
- Tribal Lands
- County Boundary
- Highway



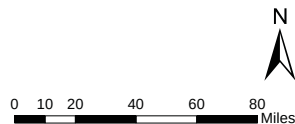
Density of Crashes in non-TMA Regions



Crash Count per 5-square-mile Area
(Distribution Percentile)

- 1 crash (0 - 70th)
- 2 crashes (70th - 80th)
- 3 crashes (80th - 90th)
- 4 crashes (90th - 95th)
- 5 to 13 crashes (95th - 100th)

- TMA Areas
- Tribal Lands
- County Boundary
- Highway



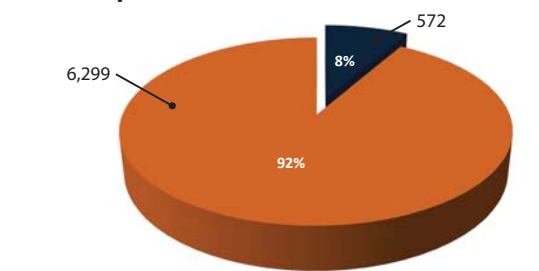
Total Unhelmeted Motorcyclist Serious
Crashes by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	75	349
2006	88	347
2007	72	376
2008	76	352
2009	60	264
2010	51	250
2011	77	240
2012	73	248
Total	572	2,426

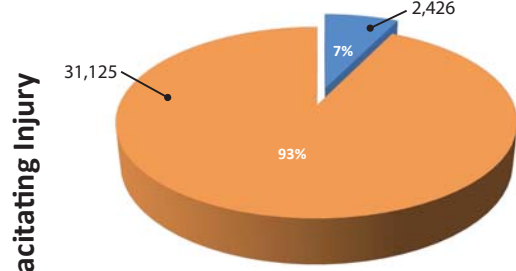
Total Crashes in Arizona
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	1,049	5,212
2006	1,126	4,934
2007	952	4,860
2008	843	4,133
2009	709	3,738
2010	695	3,576
2011	755	3,589
2012	742	3,509
Total	6,871	33,551

Unhelmeted Motorcyclist Crashes
Compared to Total Crashes in Arizona



- Unhelmeted Motorcyclist Fatal Crashes
- Other Fatal Crashes in Arizona



- Unhelmeted Motorcyclist Incapacitating Crashes
- Other Incapacitating Injury Crashes in Arizona

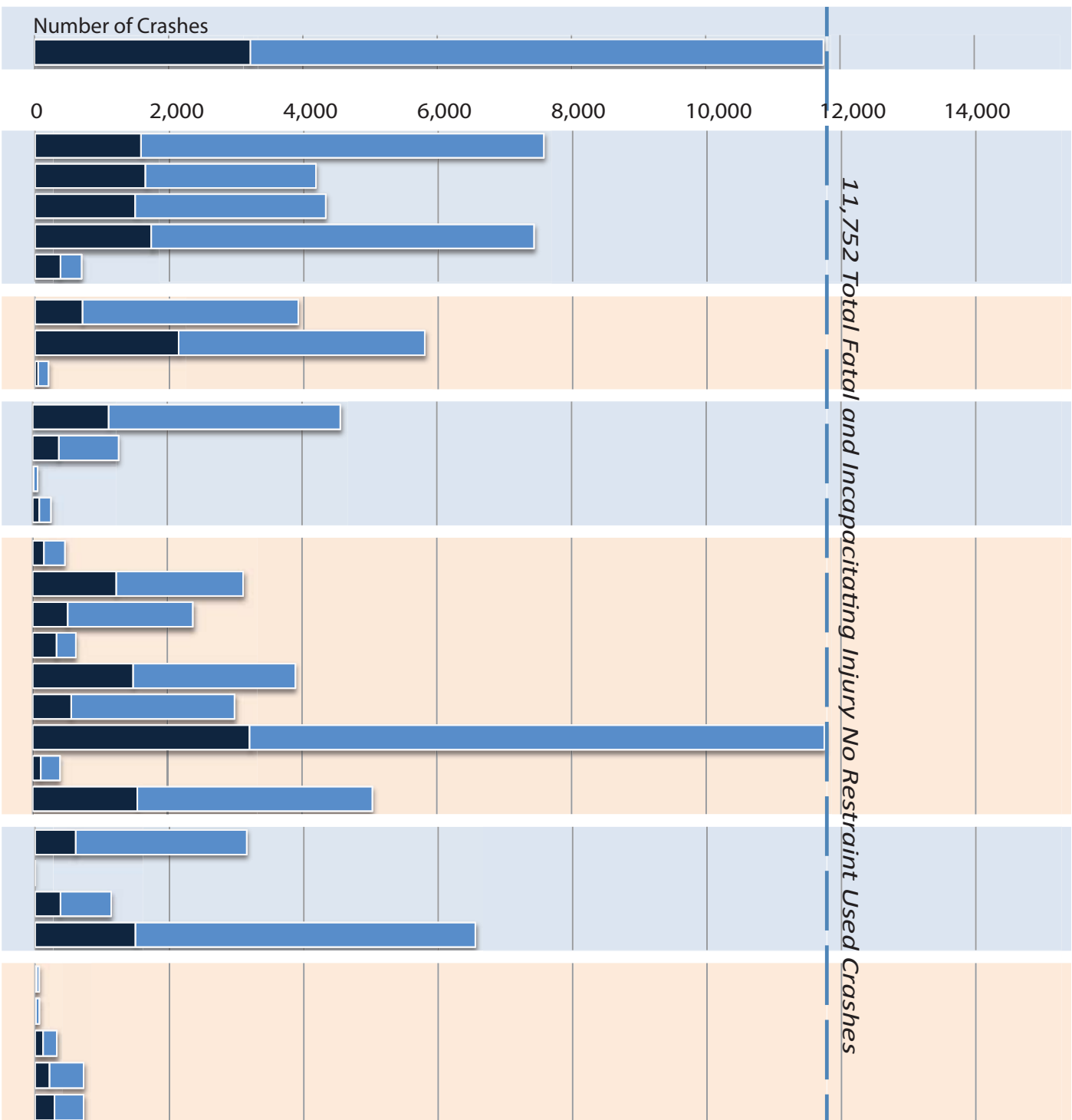
Notes:
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Arizona Strategic Highway Safety Plan

No Restraint Used Crash Summary | 2005-2012

No Restraint Used Fatal and Incapacitating Injury Crash Statistics from 2005-2012

No Restraint Used		Fatal		Incapacitating Injury		Total	
		3,219	100%	8,533	100%	11,752	100%
Characteristics		Fatal		Incapacitating Injury		Total	
		# of Crashes	% to total	# of Crashes	% to total	# of Crashes	% to total
Geographic	Urban	1,577	49.0%	5,995	70.3%	7,572	64.4%
	Rural	1,642	51.0%	2,538	29.7%	4,180	35.6%
	Highway	1,490	46.3%	2,836	33.2%	4,326	36.8%
	Other Road	1,729	53.7%	5,697	66.8%	7,426	63.2%
	Tribal Land	380	11.8%	314	3.7%	694	5.9%
Geometry	Intersection Related	706	21.9%	3,212	37.6%	3,918	33.3%
	Lane Departure	2,137	66.4%	3,663	42.9%	5,800	49.4%
	Work Zone	47	1.5%	154	1.8%	201	1.7%
Person Type	Young Driver (13-24)	1,129	35.1%	3,439	40.3%	4,568	38.9%
	65 and Older	389	12.1%	888	10.4%	1,277	10.9%
	Pedalcyclist Involved	13	0.4%	62	0.7%	75	0.6%
	Pedestrian Involved	98	3.0%	175	2.1%	273	2.3%
Behavior	Aggressive Driver	168	5.2%	313	3.7%	481	4.1%
	Alcohol Involved	1,242	38.6%	1,883	22.1%	3,125	26.6%
	Distracted Driver	521	16.2%	1,857	21.8%	2,378	20.2%
	Drug Involved	355	11.0%	286	3.4%	641	5.5%
	Impaired Driver	1,491	46.3%	2,410	28.2%	3,901	33.2%
	Unhelmeted Motorcyclist	572	17.8%	2,426	28.4%	2,998	25.5%
	No Restraint Used	3,219	100.0%	8,533	100.0%	11,752	100.0%
	Sleepy or Fatigued	121	3.8%	286	3.4%	407	3.5%
	Speeding Involved	1,555	48.3%	3,490	40.9%	5,045	42.9%
Vehicle	Motorcycle Involved	605	18.8%	2,546	29.8%	3,151	26.8%
	Train Involved	3	0.1%	0	0.0%	3	0.0%
	Truck Involved	378	11.7%	756	8.9%	1,134	9.6%
	Multiple Vehicle	1,494	46.4%	5,059	59.3%	6,553	55.8%
Environmental	Dust Related (Windy)	24	0.7%	39	0.5%	63	0.5%
	Wildlife/Animal Involved	14	0.4%	52	0.6%	66	0.6%
	Wet Weather	120	3.7%	205	2.4%	325	2.8%
	Dusk/ Dawn	216	6.7%	508	6.0%	724	6.2%
	Dark - No Light	290	9.0%	434	5.1%	724	6.2%



Notes:

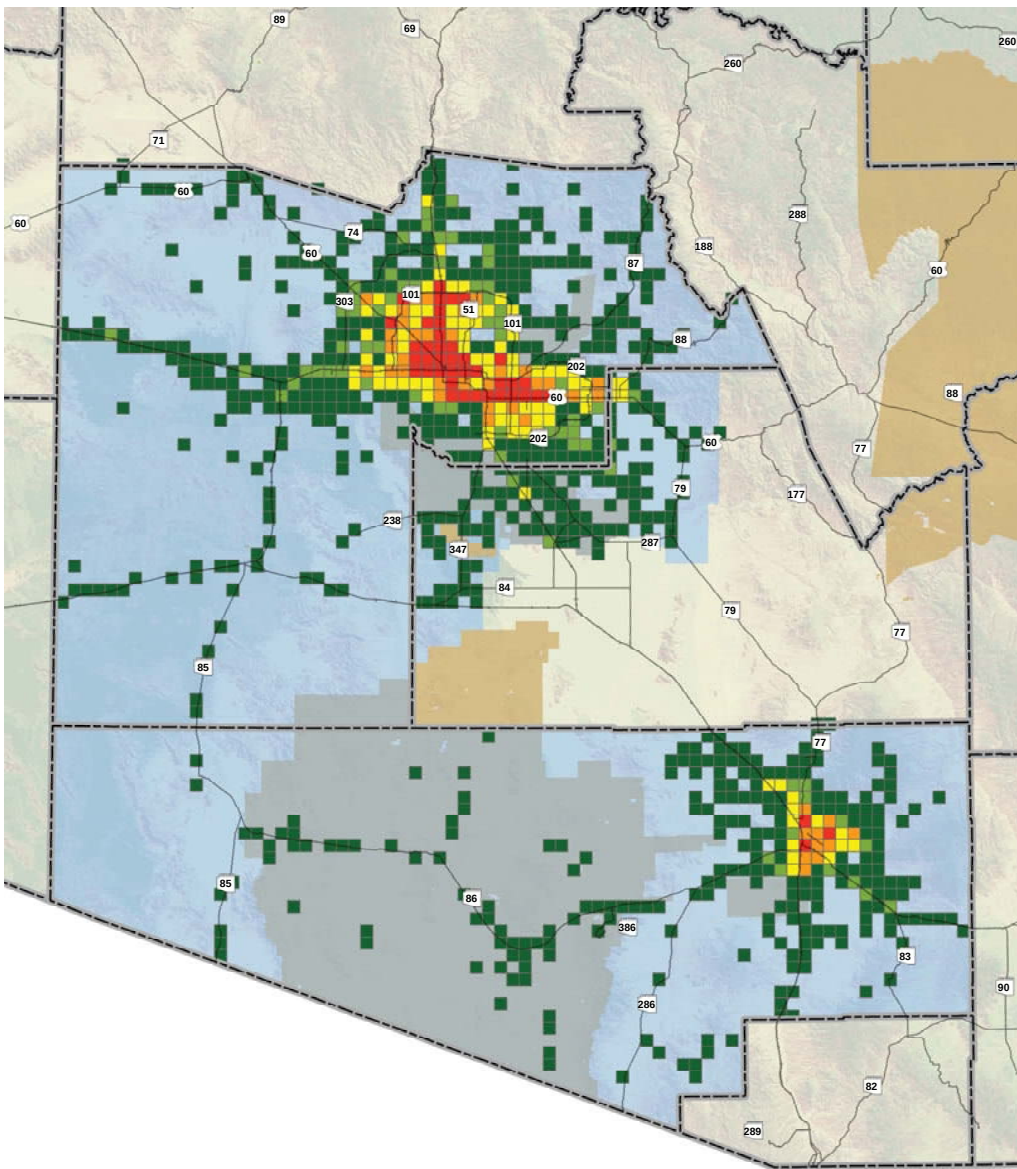
- 1) The percentages shown in the table reflect the percent of No Restraint Used crashes that also exhibit the characteristics being summarized.
- 2) Urban versus Rural designation of crash occurrence is based on the 2010 U.S. Census designation of urbanized areas.
- Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

Note: The graphs illustrate the number of No Restraint Used crashes that also involved the graphed characteristic.

Arizona Strategic Highway Safety Plan

No Restraint Used Crash Distribution | 2005-2012

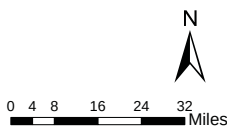
Density of Crashes in MAG/PAG TMA Regions



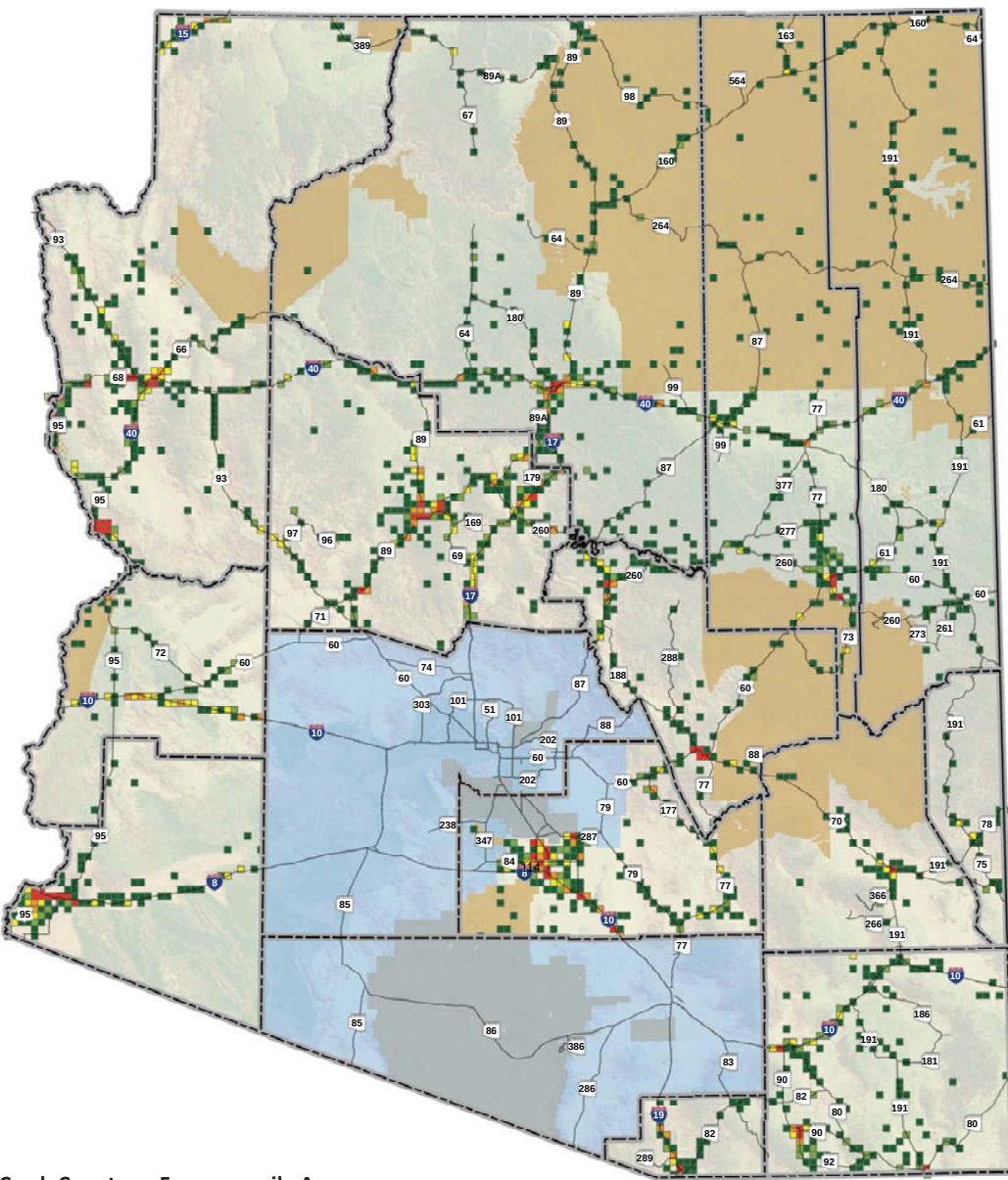
Crash Count per 5-square-mile Area
(Distribution Percentile)

- 1 to 7 crashes (0 - 70th)
- 8 to 12 crashes (70th - 80th)
- 13 to 26 crashes (80th - 90th)
- 27 to 38 crashes (90th - 95th)
- 39 to 165 crashes (95th - 100th)

- TMA Areas
- Tribal Lands
- County Boundary
- Highway



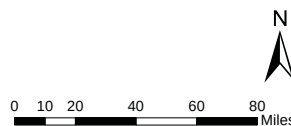
Density of Crashes in non-TMA Regions



Crash Count per 5-square-mile Area
(Distribution Percentile)

- 1 to 2 crashes (0 - 70th)
- 3 crashes (70th - 80th)
- 4 to 5 crashes (80th - 90th)
- 6 to 7 crashes (90th - 95th)
- 8 to 37 crashes (95th - 100th)

- TMA Areas
- Tribal Lands
- County Boundary
- Highway



Notes:
1) Crash statistics include all fatal and incapacitating injury crash incidents occurring between January 1, 2005 and December 31, 2012.
2) Transportation Management Areas (TMAs) currently exist in the Maricopa Association of Governments (MAG) Region and Pima Association of Governments (PAG) Region.
Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

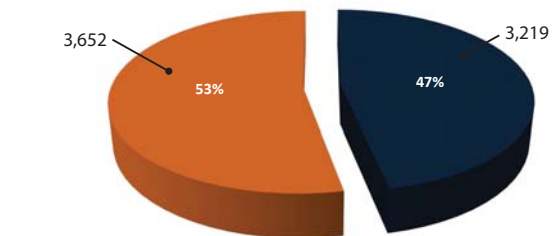
Total No Restraint Used Serious Crashes
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	505	1,519
2006	586	1,358
2007	458	1,251
2008	408	1,054
2009	313	940
2010	300	854
2011	325	780
2012	324	777
Total	3,219	8,533

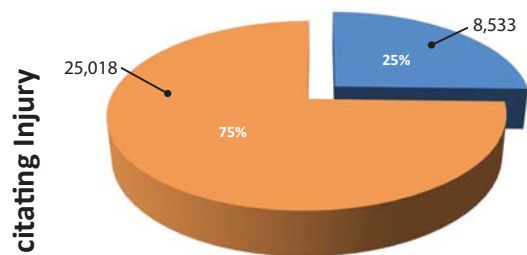
Total Crashes in Arizona
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	1,049	5,212
2006	1,126	4,934
2007	952	4,860
2008	843	4,133
2009	709	3,738
2010	695	3,576
2011	755	3,589
2012	742	3,509
Total	6,871	33,551

No Restraint Used Crashes
Compared to Total Crashes in Arizona



- No Restraint Used Fatal Crashes
- Other Fatal Crashes in Arizona



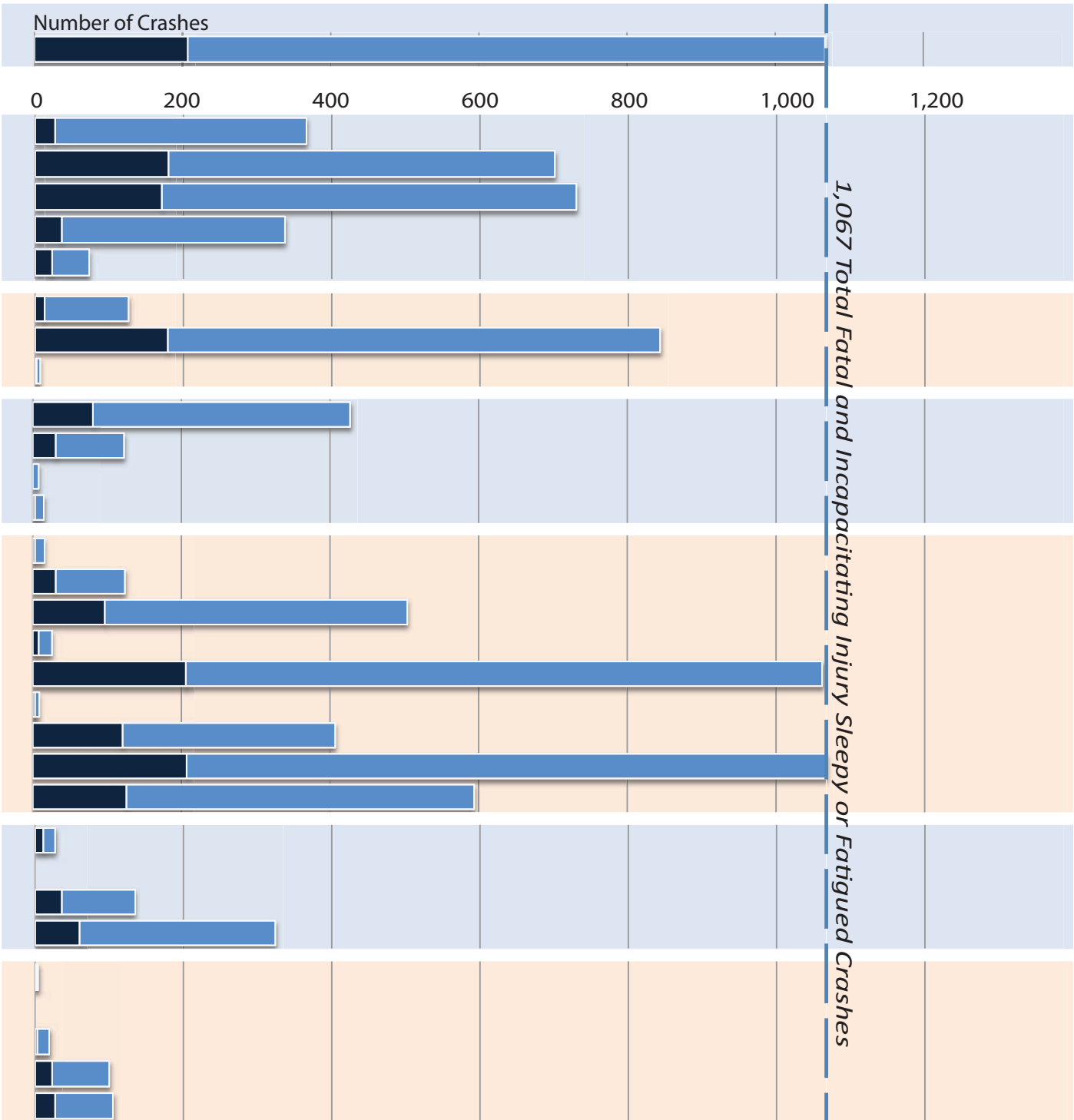
- No Restraint Used Incapacitating Injury Crashes
- Other Incapacitating Crashes in Arizona

Arizona Strategic Highway Safety Plan

Sleepy or Fatigued Crash Summary | 2005-2012

Sleepy or Fatigued Fatal and Incapacitating Injury Crash Statistics from 2005-2012

Sleepy or Fatigued		Fatal		Incapacitating Injury		Total	
		207	100%	860	100%	1,067	100%
Characteristics		Fatal		Incapacitating Injury		Total	
		# of Crashes	% to total	# of Crashes	% to total	# of Crashes	% to total
Geographic	Urban	27	13.0%	339	39.4%	366	34.3%
	Rural	180	87.0%	521	60.6%	701	65.7%
	Highway	171	82.6%	559	65.0%	730	68.4%
	Other Road	36	17.4%	301	35.0%	337	31.6%
	Tribal Land	23	11.1%	50	5.8%	73	6.8%
Geometry	Intersection Related	13	6.3%	113	13.1%	126	11.8%
	Lane Departure	179	86.5%	664	77.2%	843	79.0%
	Work Zone	2	1.0%	5	0.6%	7	0.7%
Person Type	Young Driver (13-24)	81	39.1%	346	40.2%	427	40.0%
	65 and Older	31	15.0%	92	10.7%	123	11.5%
	Pedalcyclist Involved	0	0.0%	8	0.9%	8	0.7%
	Pedestrian Involved	3	1.4%	12	1.4%	15	1.4%
Behavior	Aggressive Driver	3	1.4%	13	1.5%	16	1.5%
	Alcohol Involved	31	15.0%	93	10.8%	124	11.6%
	Distracted Driver	97	46.9%	407	47.3%	504	47.2%
	Drug Involved	8	3.9%	18	2.1%	26	2.4%
	Impaired Driver	206	99.5%	856	99.5%	1,062	99.5%
	Unhelmeted Motorcyclist	3	1.4%	6	0.7%	9	0.8%
	No Restraint Used	121	58.5%	286	33.3%	407	38.1%
	Sleepy or Fatigued	207	100.0%	860	100.0%	1,067	100.0%
	Speeding Involved	126	60.9%	468	54.4%	594	55.7%
Vehicle	Motorcycle Involved	11	5.3%	16	1.9%	27	2.5%
	Train Involved	0	0.0%	0	0.0%	0	0.0%
	Truck Involved	36	17.4%	99	11.5%	135	12.7%
	Multiple Vehicle	60	29.0%	264	30.7%	324	30.4%
Environmental	Dust Related (Windy)	2	1.0%	2	0.2%	4	0.4%
	Wildlife/Animal Involved	0	0.0%	0	0.0%	0	0.0%
	Wet Weather	3	1.4%	16	1.9%	19	1.8%
	Dusk/ Dawn	23	11.1%	77	9.0%	100	9.4%
	Dark - No Light	27	13.0%	78	9.1%	105	9.8%



Note: The graphs illustrate the number of Sleepy or Fatigued crashes that also involved the graphed characteristic.

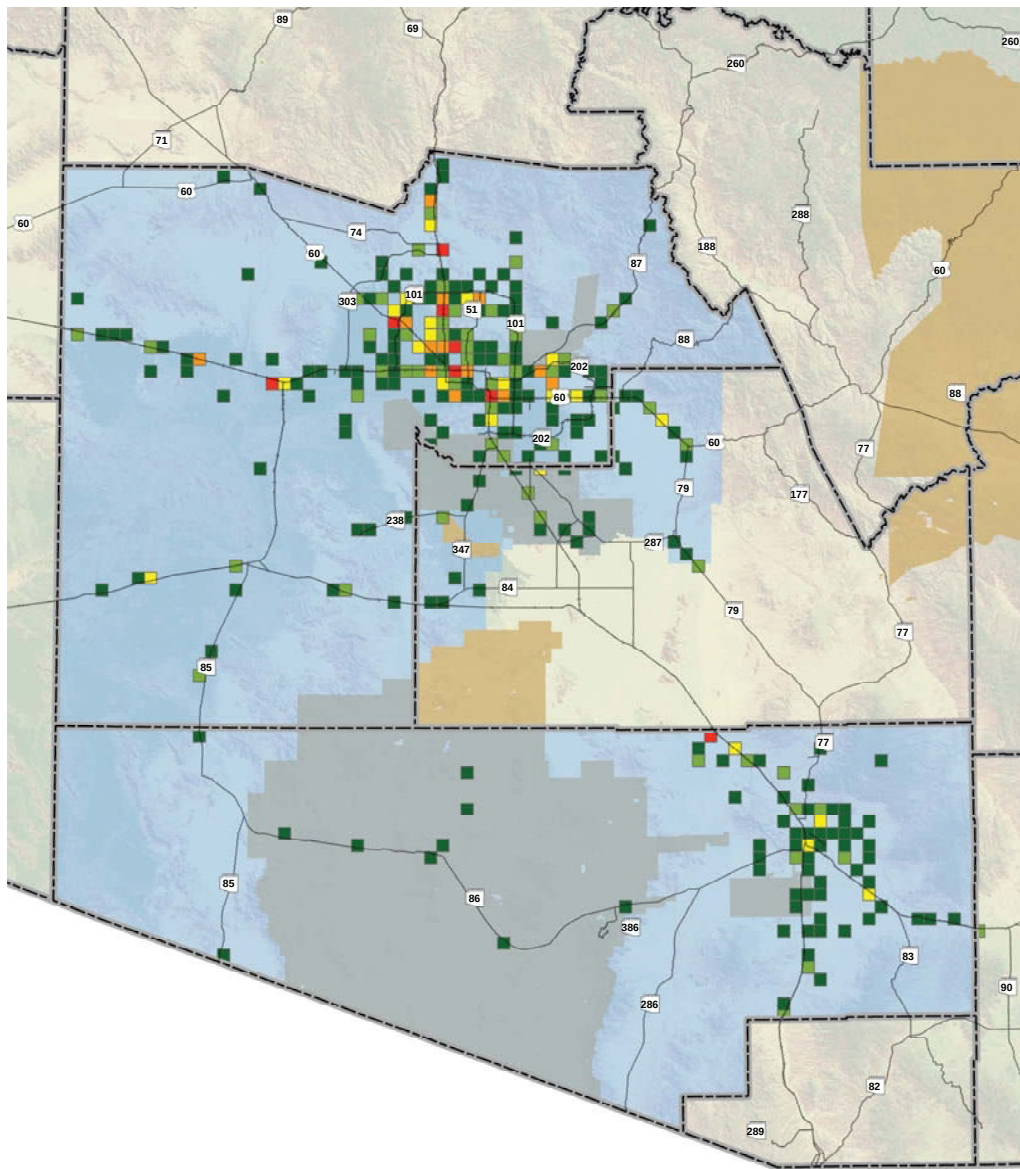
Notes:

- 1) The percentages shown in the table reflect the percent of Sleepy or Fatigued crashes that also exhibit the characteristics being summarized.
- 2) Urban versus Rural designation of crash occurrence is based on the 2010 U.S. Census designation of urbanized areas.
- Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

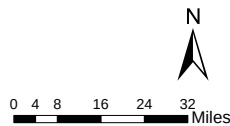
Arizona Strategic Highway Safety Plan

Sleepy or Fatigued Crash Distribution | 2005-2012

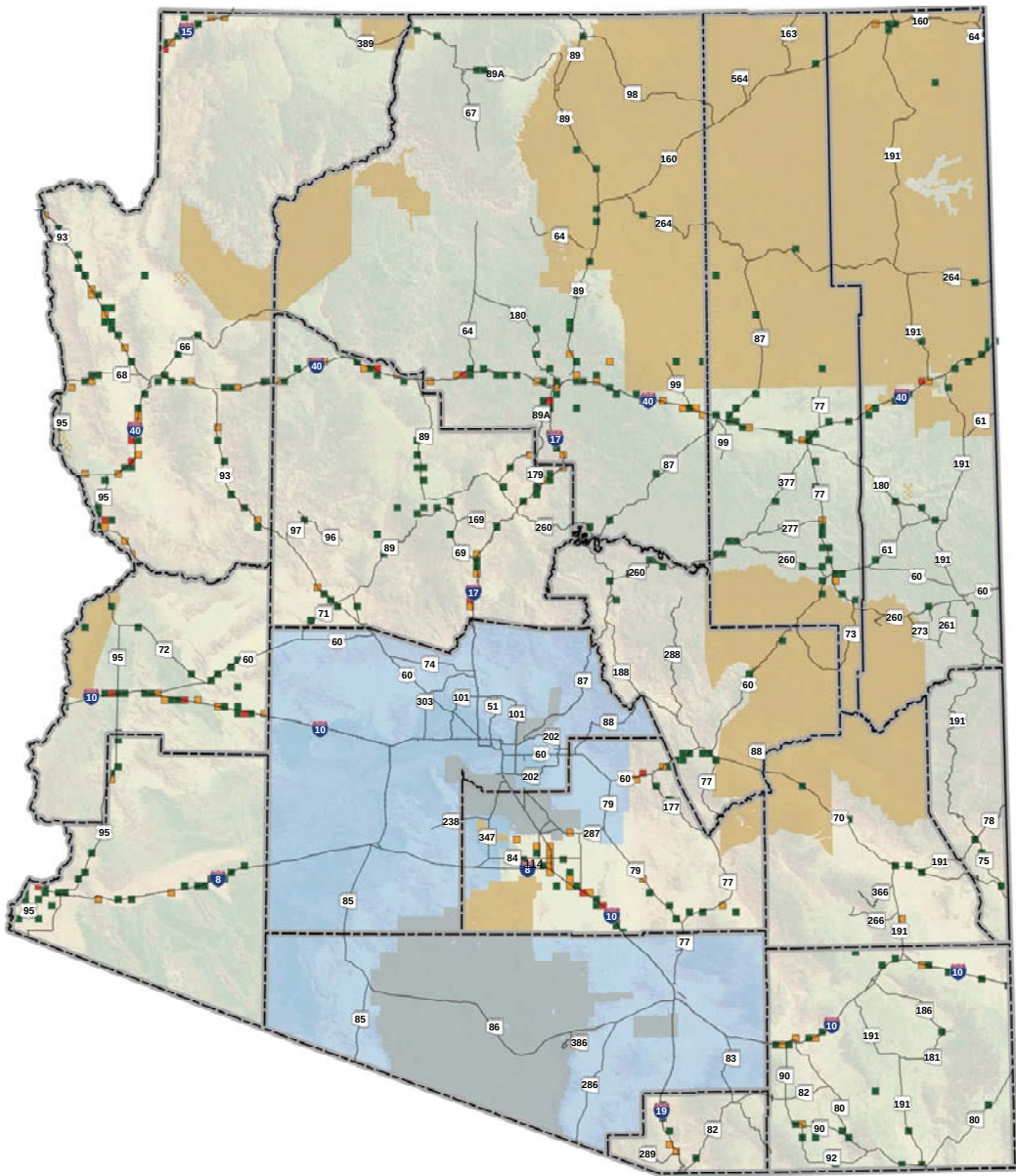
Density of Crashes in MAG/PAG TMA Regions



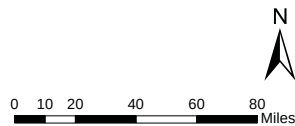
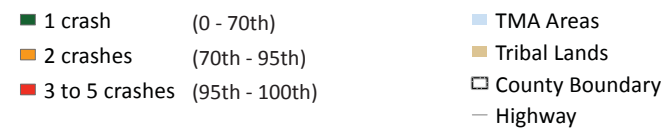
Crash Count per 5-square-mile Area
(Distribution Percentile)



Density of Crashes in non-TMA Regions



Crash Count per 5-square-mile Area
(Distribution Percentile)



Notes:
1) Crash statistics include all fatal and incapacitating injury crash incidents occurring between January 1, 2005 and December 31, 2012.
2) Transportation Management Areas (TMAs) currently exist in the Maricopa Association of Governments (MAG) Region and Pima Association of Governments (PAG) Region.
Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

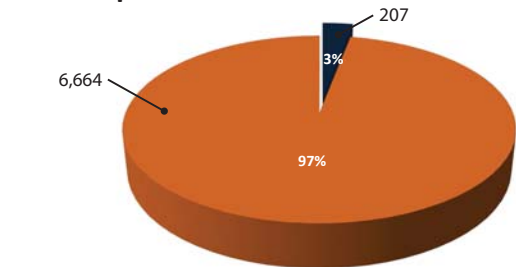
Total Sleepy or Fatigued Serious Crashes
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	46	130
2006	34	122
2007	27	149
2008	28	102
2009	21	113
2010	19	76
2011	13	94
2012	19	74
Total	207	860

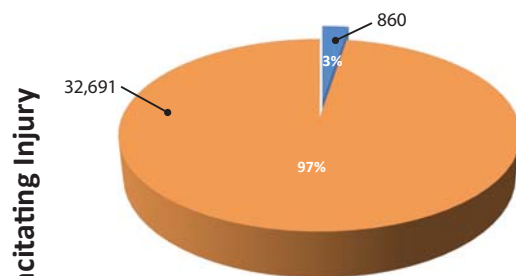
Total Crashes in Arizona
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	1,049	5,212
2006	1,126	4,934
2007	952	4,860
2008	843	4,133
2009	709	3,738
2010	695	3,576
2011	755	3,589
2012	742	3,509
Total	6,871	33,551

Sleepy or Fatigued Crashes
Compared to Total Crashes in Arizona



Fatal
Sleepy or Fatigued Fatal Crashes
Other Fatal Crashes in Arizona



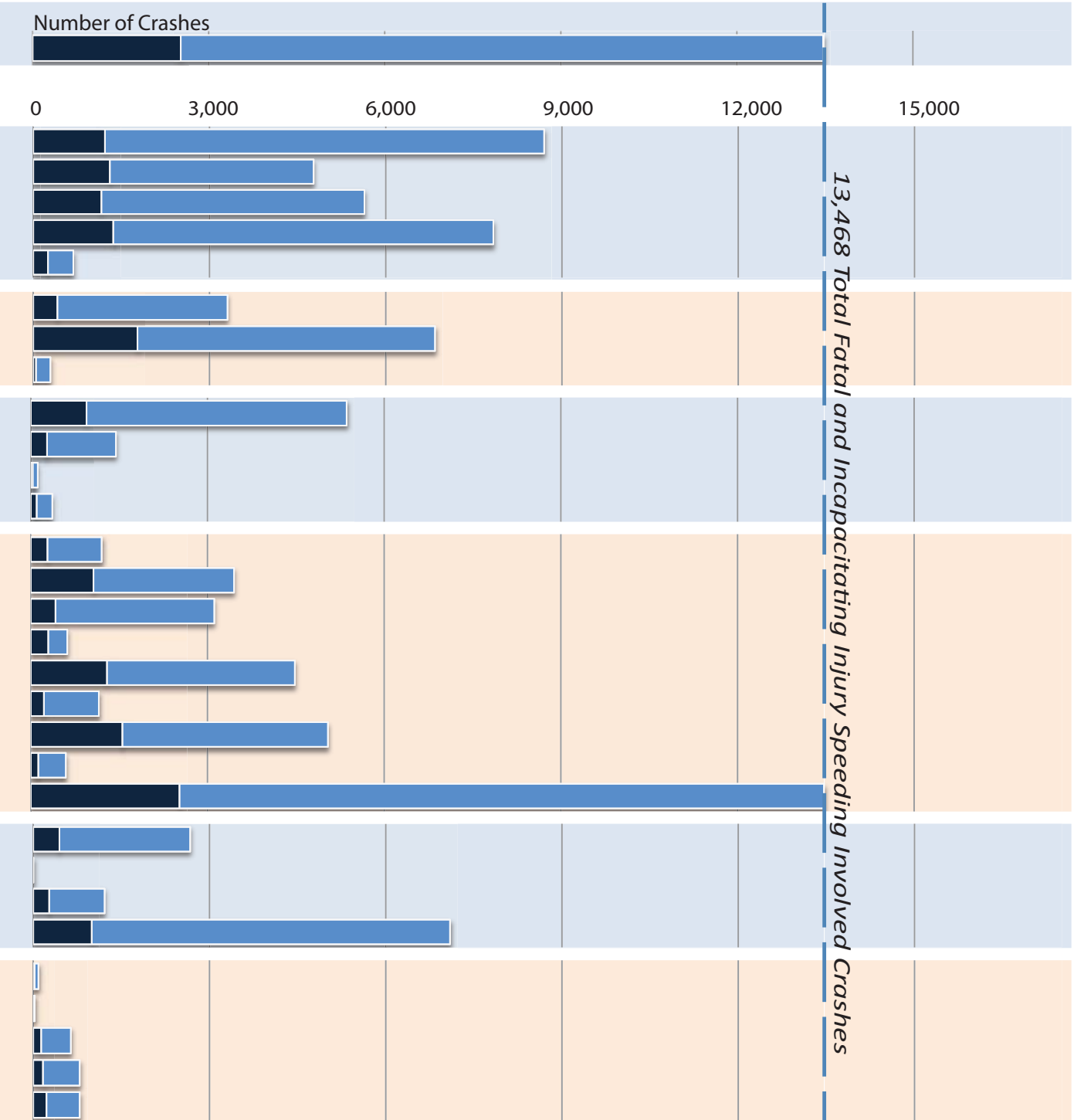
Incapacitating Injury
Sleepy or Fatigued Incapacitating Injury Crashes
Other Incapacitating Crashes in Arizona

Arizona Strategic Highway Safety Plan

Speeding Involved Crash Summary | 2005-2012

Speeding Involved Fatal and Incapacitating Injury Crash Statistics from 2005-2012

Speeding Involved		Fatal		Incapacitating Injury		Total	
		2,524	100%	10,944	100%	13,468	100%
Characteristics		Fatal		Incapacitating Injury		Total	
		# of Crashes	% to total	# of Crashes	% to total	# of Crashes	% to total
Geographic	Urban	1,221	48.4%	7,475	68.3%	8,696	64.6%
	Rural	1,303	51.6%	3,469	31.7%	4,772	35.4%
	Highway	1,161	46.0%	4,476	40.9%	5,637	41.9%
	Other Road	1,363	54.0%	6,468	59.1%	7,831	58.1%
	Tribal Land	251	9.9%	431	3.9%	682	5.1%
Geometry	Intersection Related	412	16.3%	2,895	26.5%	3,307	24.6%
	Lane Departure	1,774	70.3%	5,066	46.3%	6,840	50.8%
	Work Zone	47	1.9%	245	2.2%	292	2.2%
Person Type	Young Driver (13-24)	945	37.4%	4,417	40.4%	5,362	39.8%
	65 and Older	275	10.9%	1,171	10.7%	1,446	10.7%
	Pedalcyclist Involved	32	1.3%	85	0.8%	117	0.9%
	Pedestrian Involved	99	3.9%	265	2.4%	364	2.7%
Behavior	Aggressive Driver	282	11.2%	920	8.4%	1,202	8.9%
	Alcohol Involved	1,064	42.2%	2,388	21.8%	3,452	25.6%
	Distracted Driver	418	16.6%	2,697	24.6%	3,115	23.1%
	Drug Involved	295	11.7%	325	3.0%	620	4.6%
	Impaired Driver	1,293	51.2%	3,191	29.2%	4,484	33.3%
	Unhelmeted Motorcyclist	222	8.8%	932	8.5%	1,154	8.6%
	No Restraint Used	1,555	61.6%	3,490	31.9%	5,045	37.5%
	Sleepy or Fatigued	126	5.0%	468	4.3%	594	4.4%
	Speeding Involved	2,524	100.0%	10,944	100.0%	13,468	100.0%
Vehicle	Motorcycle Involved	446	17.7%	2,225	20.3%	2,671	19.8%
	Train Involved	1	0.0%	1	0.0%	2	0.0%
	Truck Involved	272	10.8%	943	8.6%	1,215	9.0%
	Multiple Vehicle	996	39.5%	6,098	55.7%	7,094	52.7%
Environmental	Dust Related (Windy)	25	1.0%	64	0.6%	89	0.7%
	Wildlife/Animal Involved	5	0.2%	22	0.2%	27	0.2%
	Wet Weather	135	5.3%	505	4.6%	640	4.8%
	Dusk/ Dawn	165	6.5%	626	5.7%	791	5.9%
	Dark - No Light	226	9.0%	566	5.2%	792	5.9%



Notes:

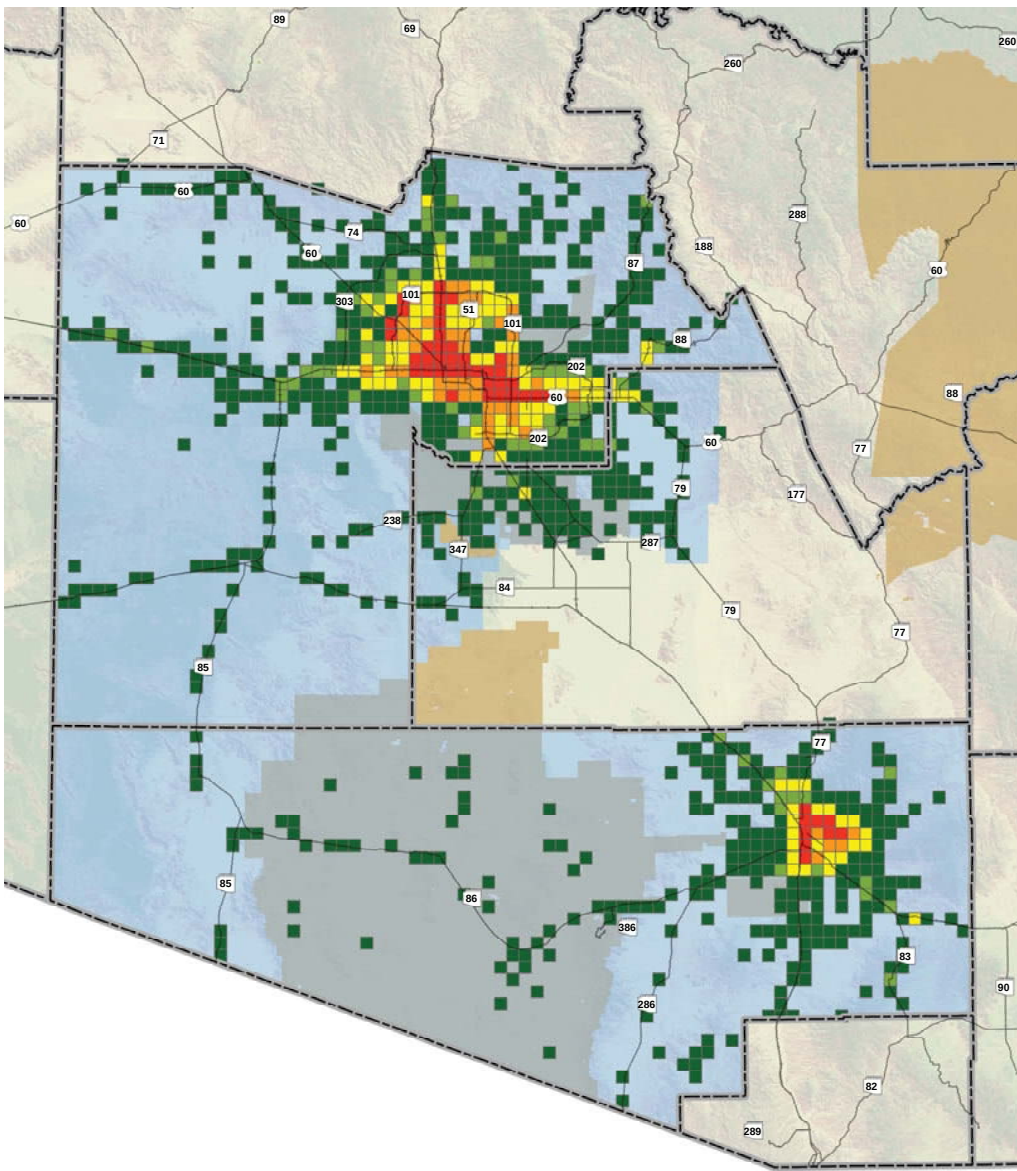
- 1) The percentages shown in the table reflect the percent of Speeding Involved crashes that also exhibit the characteristics being summarized.
- 2) Urban versus Rural designation of crash occurrence is based on the 2010 U.S. Census designation of urbanized areas.
- Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

Note: The graphs illustrate the number of Speeding Involved crashes that also involved the graphed characteristic.

Arizona Strategic Highway Safety Plan

Speeding Involved Crash Distribution | 2005-2012

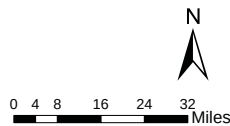
Density of Crashes in MAG/PAG TMA Regions



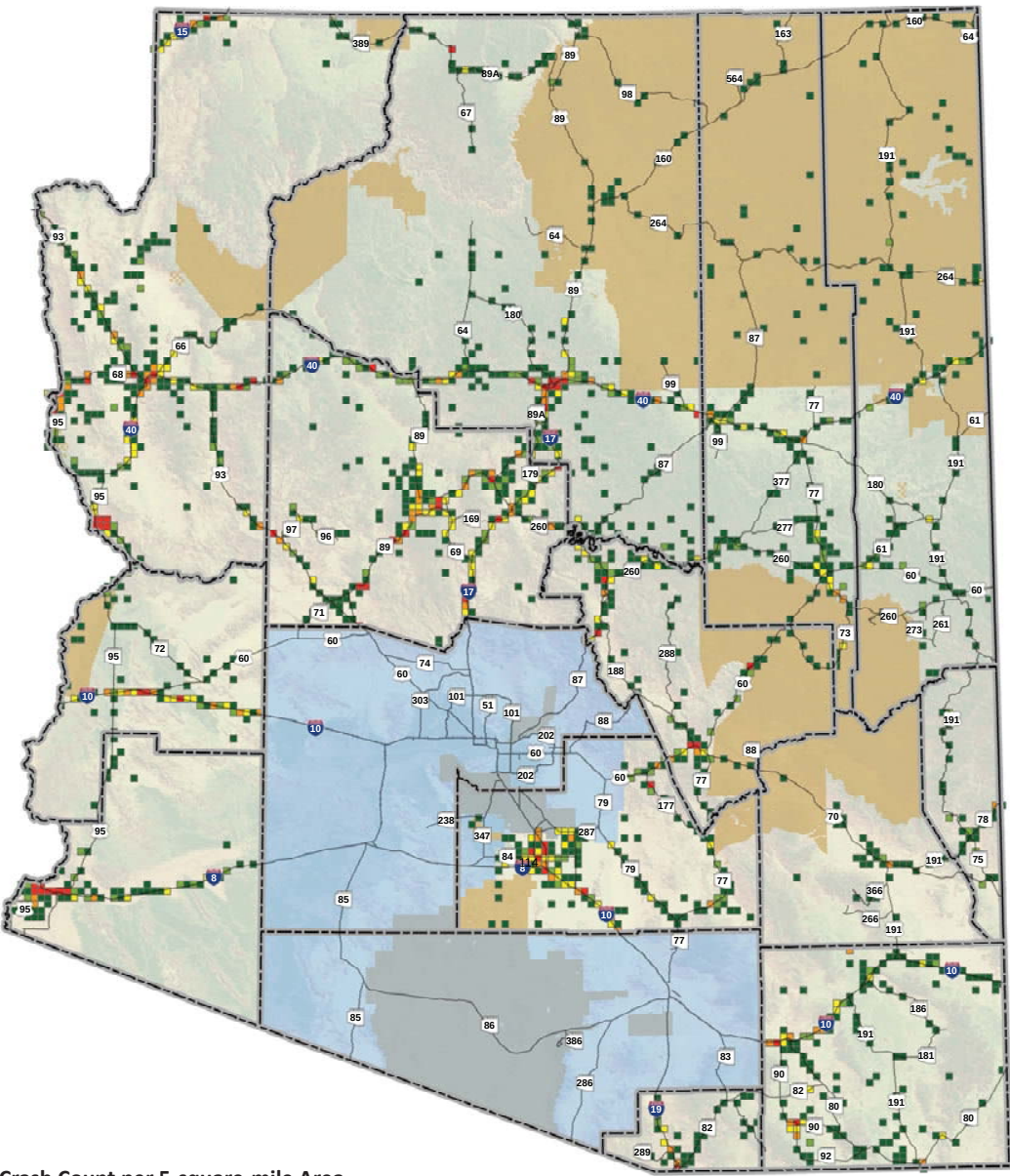
Crash Count per 5-square-mile Area
(Distribution Percentile)

- 1 to 7 crashes (0 - 70th)
- 8 to 12 crashes (70th - 80th)
- 13 to 28 crashes (80th - 90th)
- 29 to 44 crashes (90th - 95th)
- 45 to 199 crashes (95th - 100th)

- TMA Areas
- Tribal Lands
- County Boundary
- Highway



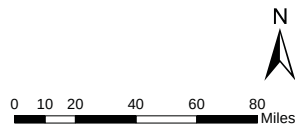
Density of Crashes in non-TMA Regions



Crash Count per 5-square-mile Area
(Distribution Percentile)

- 1 to 2 crashes (0 - 70th)
- 3 crashes (70th - 80th)
- 4 to 5 crashes (80th - 90th)
- 6 to 7 crashes (90th - 95th)
- 8 to 49 crashes (95th - 100th)

- TMA Areas
- Tribal Lands
- County Boundary
- Highway



Notes:
1) Crash statistics include all fatal and incapacitating injury crash incidents occurring between January 1, 2005 and December 31, 2012.
2) Transportation Management Areas (TMAs) currently exist in the Maricopa Association of Governments (MAG) Region and Pima Association of Governments (PAG) Region.
Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

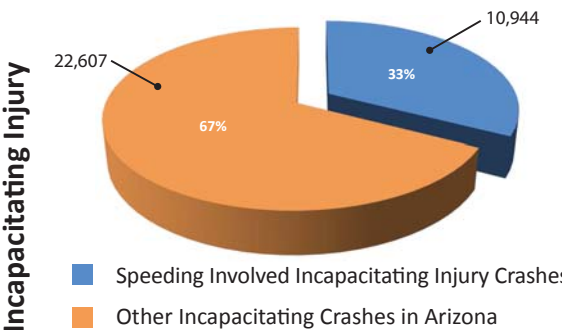
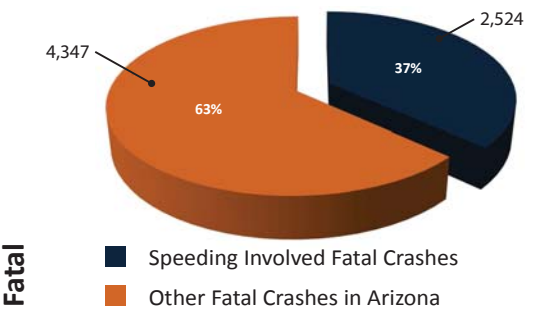
Total Speeding Involved Serious Crashes
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	408	1,671
2006	420	1,639
2007	384	1,655
2008	350	1,354
2009	245	1,207
2010	222	1,173
2011	251	1,115
2012	244	1,130
Total	2,524	10,944

Total Crashes in Arizona
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	1,049	5,212
2006	1,126	4,934
2007	952	4,860
2008	843	4,133
2009	709	3,738
2010	695	3,576
2011	755	3,589
2012	742	3,509
Total	6,871	33,551

Speeding Involved Crashes Compared
to Total Crashes in Arizona

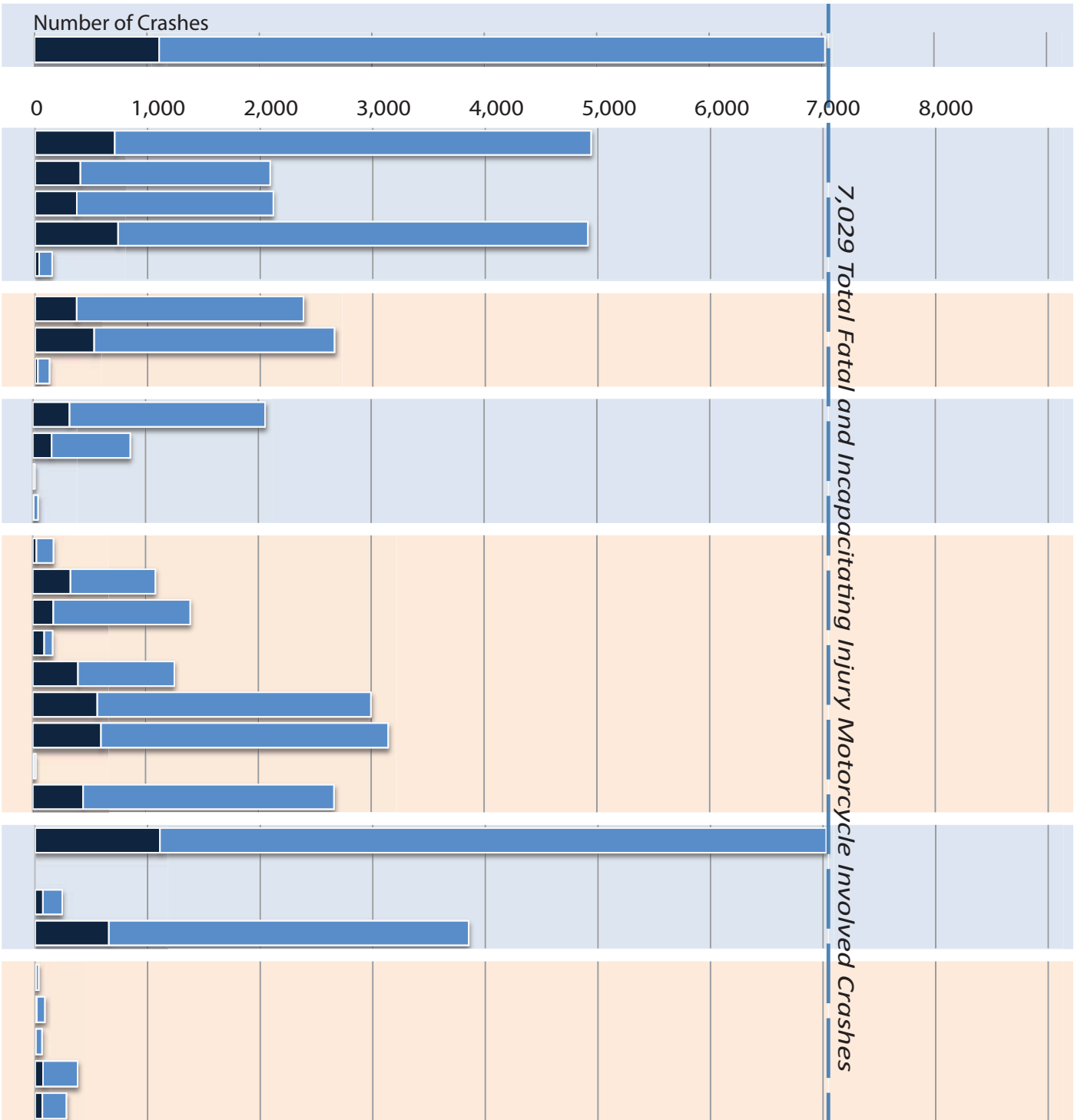


Arizona Strategic Highway Safety Plan

Motorcycle Involved Crash Summary | 2005-2012

Motorcycle Involved Fatal and Incapacitating Injury Crash Statistics from 2005-2012

Motorcycle Involved		Fatal		Incapacitating Injury		Total	
		1,109	100%	5,920	100%	7,029	100%
Characteristics		Fatal		Incapacitating Injury		Total	
		# of Crashes	% to total	# of Crashes	% to total	# of Crashes	% to total
Geographic	Urban	707	63.8%	4,233	71.5%	4,940	70.3%
	Rural	402	36.2%	1,687	28.5%	2,089	29.7%
	Highway	371	33.5%	1,746	29.5%	2,117	30.1%
	Other Road	738	66.5%	4,174	70.5%	4,912	69.9%
	Tribal Land	37	3.3%	115	1.9%	152	2.2%
Geometry	Intersection Related	369	33.3%	2,015	34.0%	2,384	33.9%
	Lane Departure	524	47.2%	2,137	36.1%	2,661	37.9%
	Work Zone	24	2.2%	105	1.8%	129	1.8%
Person Type	Young Driver (13-24)	326	29.4%	1,734	29.3%	2,060	29.3%
	65 and Older	167	15.1%	698	11.8%	865	12.3%
	Pedalcyclist Involved	1	0.1%	18	0.3%	19	0.3%
	Pedestrian Involved	8	0.7%	40	0.7%	48	0.7%
Behavior	Aggressive Driver	32	2.9%	153	2.6%	185	2.6%
	Alcohol Involved	334	30.1%	754	12.7%	1,088	15.5%
	Distracted Driver	182	16.4%	1,215	20.5%	1,397	19.9%
	Drug Involved	101	9.1%	76	1.3%	177	2.5%
	Impaired Driver	401	36.2%	854	14.4%	1,255	17.9%
	Unhelmeted Motorcyclist	572	51.6%	2,426	41.0%	2,998	42.7%
	No Restraint Used	605	54.6%	2,546	43.0%	3,151	44.8%
	Sleepy or Fatigued	11	1.0%	16	0.3%	27	0.4%
	Speeding Involved	446	40.2%	2,225	37.6%	2,671	38.0%
Vehicle	Motorcycle Involved	1,109	100.0%	5,920	100.0%	7,029	100.0%
	Train Involved	0	0.0%	0	0.0%	0	0.0%
	Truck Involved	69	6.2%	172	2.9%	241	3.4%
	Multiple Vehicle	655	59.1%	3,198	54.0%	3,853	54.8%
Environmental	Dust Related (Windy)	8	0.7%	25	0.4%	33	0.5%
	Wildlife/Animal Involved	15	1.4%	73	1.2%	88	1.3%
	Wet Weather	6	0.5%	56	0.9%	62	0.9%
	Dusk/ Dawn	71	6.4%	307	5.2%	378	5.4%
	Dark - No Light	65	5.9%	214	3.6%	279	4.0%



Notes:

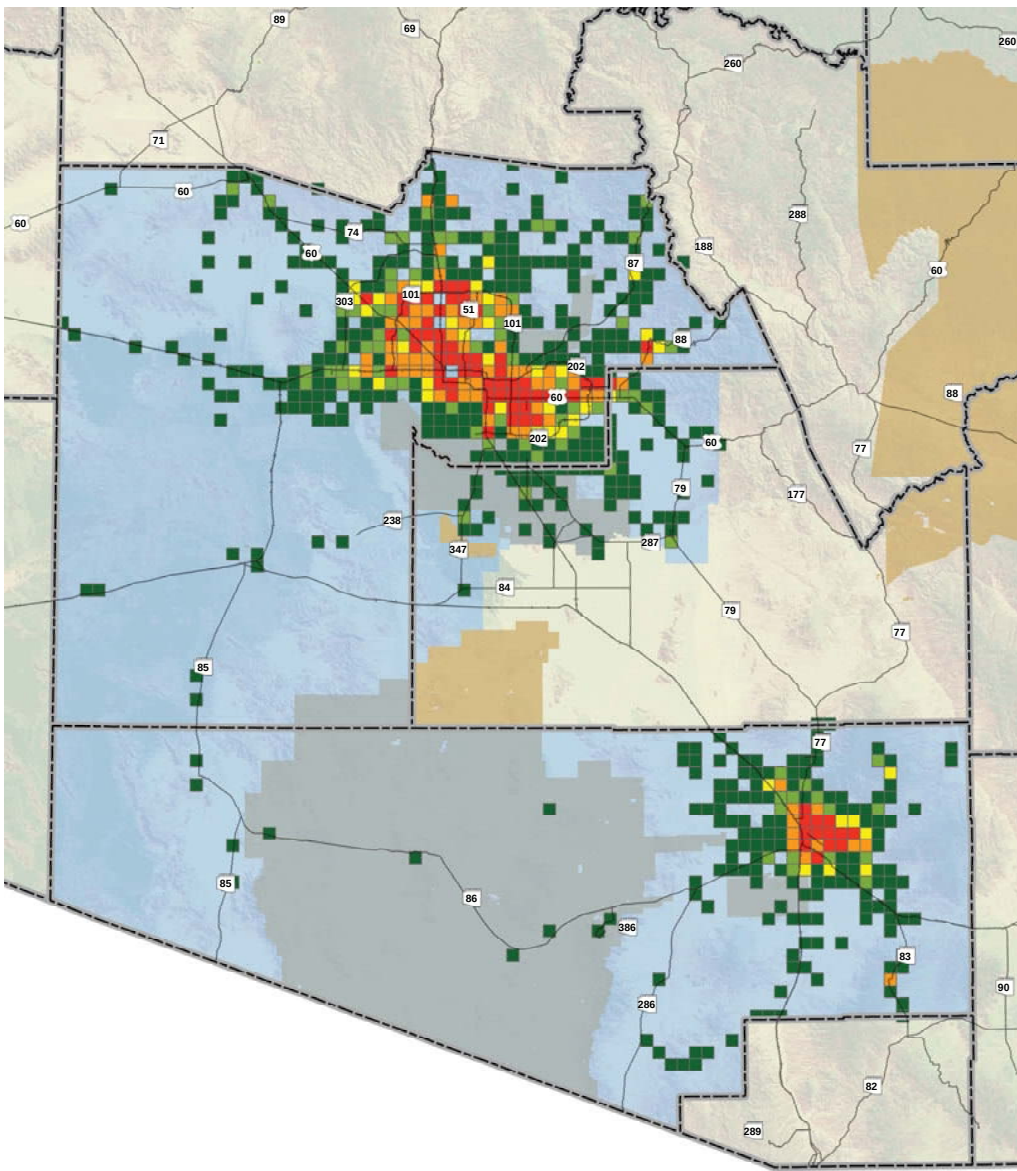
- 1) The percentages shown in the table reflect the percent of Motorcycle Involved crashes that also exhibit the characteristics being summarized.
- 2) Urban versus Rural designation of crash occurrence is based on the 2010 U.S. Census designation of urbanized areas.
- Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

Note: The graphs illustrate the number of Motorcycle Involved crashes that also involved the graphed characteristic.

Arizona Strategic Highway Safety Plan

Motorcycle Involved Crash Distribution | 2005-2012

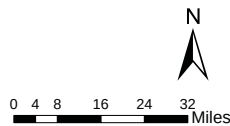
Density of Crashes in MAG/PAG TMA Regions



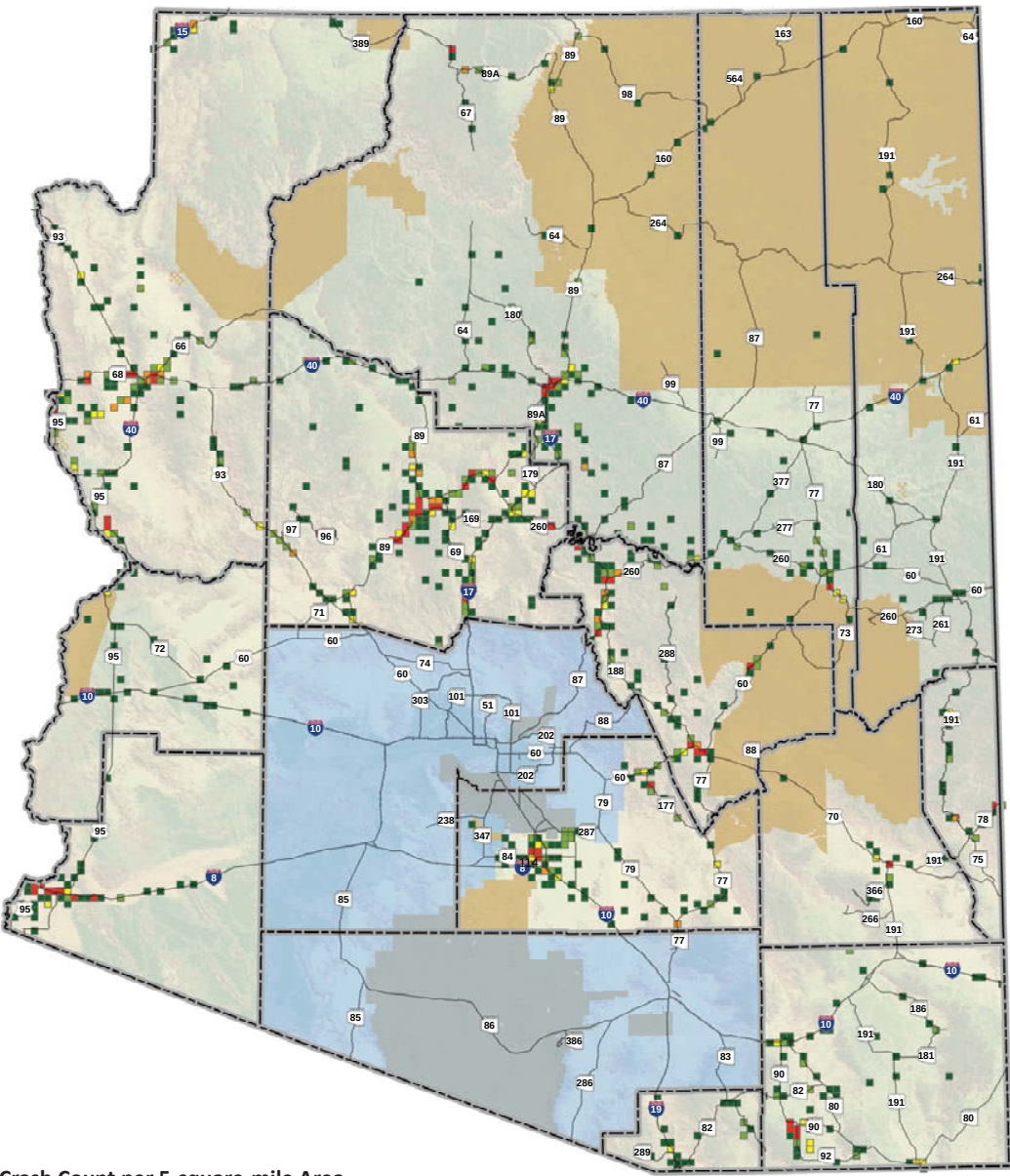
Crash Count per 5-square-mile Area
(Distribution Percentile)

- 1 to 4 crashes (0 - 70th)
- 5 to 7 crashes (70th - 80th)
- 8 to 10 crashes (80th - 90th)
- 11 to 18 crashes (90th - 95th)
- 19 to 65 crashes (95th - 100th)

- TMA Areas
- Tribal Lands
- County Boundary
- Highway



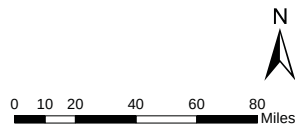
Density of Crashes in non-TMA Regions



Crash Count per 5-square-mile Area
(Distribution Percentile)

- 1 crash (0 - 70th)
- 2 crashes (70th - 80th)
- 3 crashes (80th - 90th)
- 4 crashes (90th - 95th)
- 5 to 18 crashes (95th - 100th)

- TMA Areas
- Tribal Lands
- County Boundary
- Highway



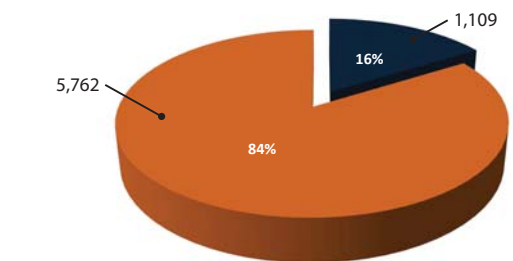
Total Motorcycle Involved Serious Crashes
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	143	724
2006	150	736
2007	143	835
2008	157	825
2009	129	729
2010	95	669
2011	148	664
2012	144	738
Total	1,109	5,920

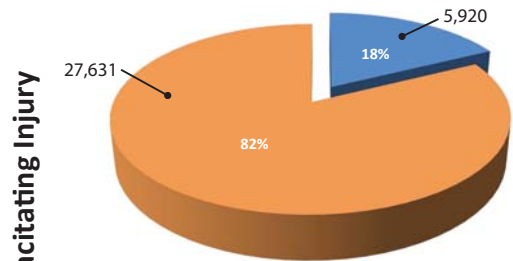
Total Crashes in Arizona
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	1,049	5,212
2006	1,126	4,934
2007	952	4,860
2008	843	4,133
2009	709	3,738
2010	695	3,576
2011	755	3,589
2012	742	3,509
Total	6,871	33,551

Motorcycle Involved Crashes
Compared to Total Crashes in Arizona



- Motorcycle Involved Fatal Crashes
- Other Fatal Crashes in Arizona



- Motorcycle Involved Incapacitating Injury Crashes
- Other Incapacitating Crashes in Arizona

Notes:

1) Crash statistics include all fatal and incapacitating injury crash incidents occurring between January 1, 2005 and December 31, 2012.

2) Transportation Management Areas (TMAs) currently exist in the Maricopa Association of Governments (MAG) Region and Pima Association of Governments (PAG) Region.

Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

Arizona Strategic Highway Safety Plan

Train Involved Crash Summary | 2005-2012

Train Involved Fatal and Incapacitating Injury Crash Statistics from 2005-2012

Train Involved		Fatal		Incapacitating Injury		Total	
		12	100%	10	100%	22	100%
Characteristics		Fatal		Incapacitating Injury		Total	
		# of Crashes	% to total	# of Crashes	% to total	# of Crashes	% to total
Geographic	Urban	3	25.0%	9	90.0%	12	54.5%
	Rural	9	75.0%	1	10.0%	10	45.5%
	Highway	2	16.7%	3	30.0%	5	22.7%
	Other Road	10	83.3%	7	70.0%	17	77.3%
	Tribal Land	0	0.0%	0	0.0%	0	0.0%
Geometry	Intersection Related	1	8.3%	6	60.0%	7	31.8%
	Lane Departure	0	0.0%	0	0.0%	0	0.0%
	Work Zone	0	0.0%	1	10.0%	1	4.5%
Person Type	Young Driver (13-24)	1	8.3%	2	20.0%	3	13.6%
	65 and Older	3	25.0%	3	30.0%	6	27.3%
	Pedalcyclist Involved	0	0.0%	0	0.0%	0	0.0%
	Pedestrian Involved	1	8.3%	0	0.0%	1	4.5%
Behavior	Aggressive Driver	0	0.0%	1	10.0%	1	4.5%
	Alcohol Involved	2	16.7%	0	0.0%	2	9.1%
	Distracted Driver	2	16.7%	1	10.0%	3	13.6%
	Drug Involved	0	0.0%	0	0.0%	0	0.0%
	Impaired Driver	2	16.7%	0	0.0%	2	9.1%
	Unhelmeted Motorcyclist	0	0.0%	0	0.0%	0	0.0%
	No Restraint Used	3	25.0%	0	0.0%	3	13.6%
	Sleepy or Fatigued	0	0.0%	0	0.0%	0	0.0%
	Speeding Involved	1	8.3%	1	10.0%	2	9.1%
Vehicle	Motorcycle Involved	0	0.0%	0	0.0%	0	0.0%
	Train Involved	12	100.0%	10	100.0%	22	100.0%
	Truck Involved	0	0.0%	1	10.0%	1	4.5%
	Multiple Vehicle	1	8.3%	1	10.0%	2	9.1%
Environmental	Dust Related (Windy)	0	0.0%	0	0.0%	0	0.0%
	Wildlife/Animal Involved	0	0.0%	0	0.0%	0	0.0%
	Wet Weather	0	0.0%	0	0.0%	0	0.0%
	Dusk/ Dawn	1	8.3%	1	10.0%	2	9.1%
	Dark - No Light	1	8.3%	0	0.0%	1	4.5%



Notes:

1) The percentages shown in the table reflect the percent of Train Involved crashes that also exhibit the characteristics being summarized.

2) Urban versus Rural designation of crash occurrence is based on the 2010 U.S. Census designation of urbanized areas.

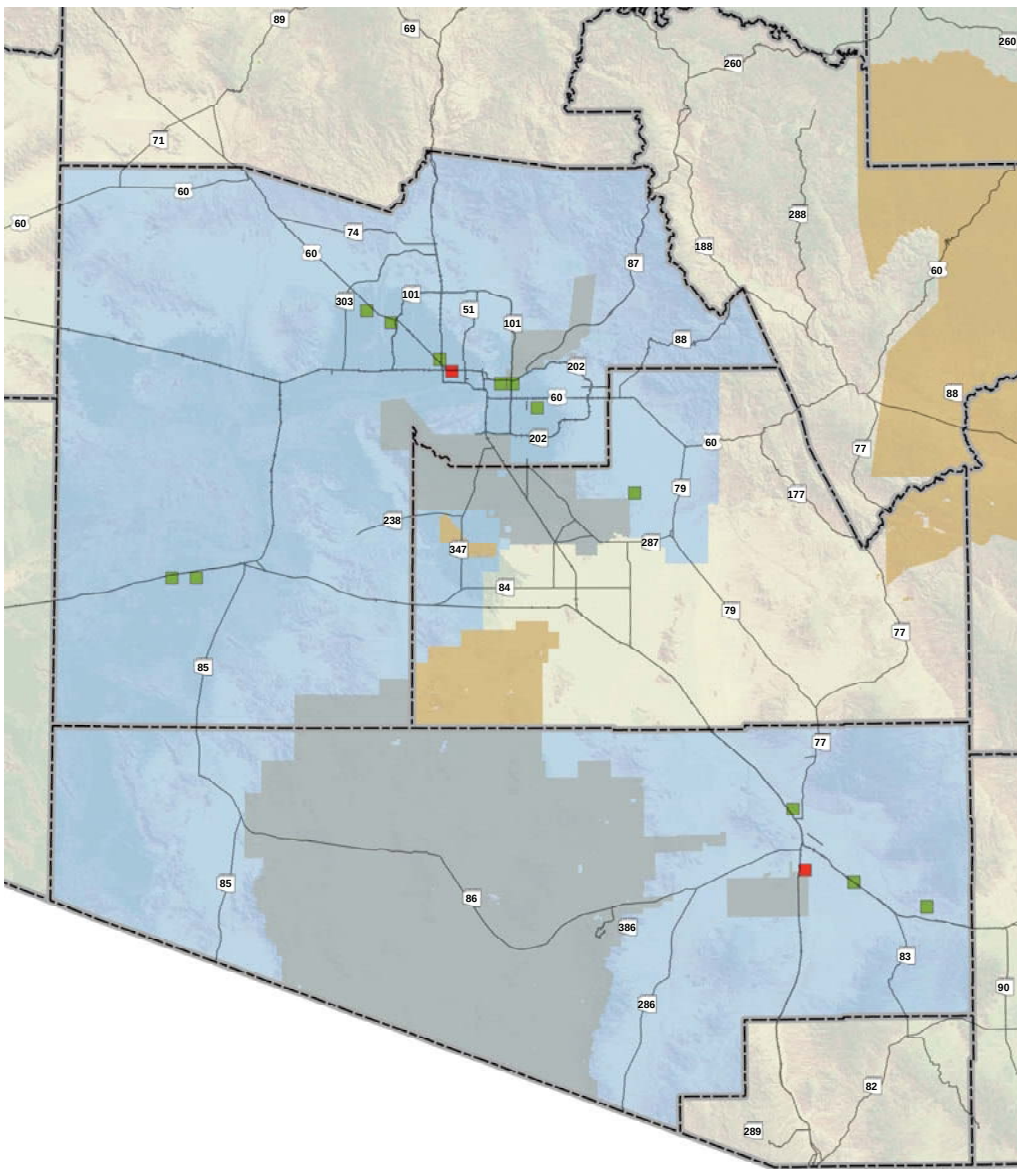
Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

Note: The graphs illustrate the number of Train Involved crashes that also involved the graphed characteristic.

Arizona Strategic Highway Safety Plan

Train Involved Crash Distribution | 2005-2012

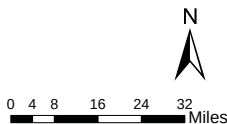
Density of Crashes in MAG/PAG TMA Regions



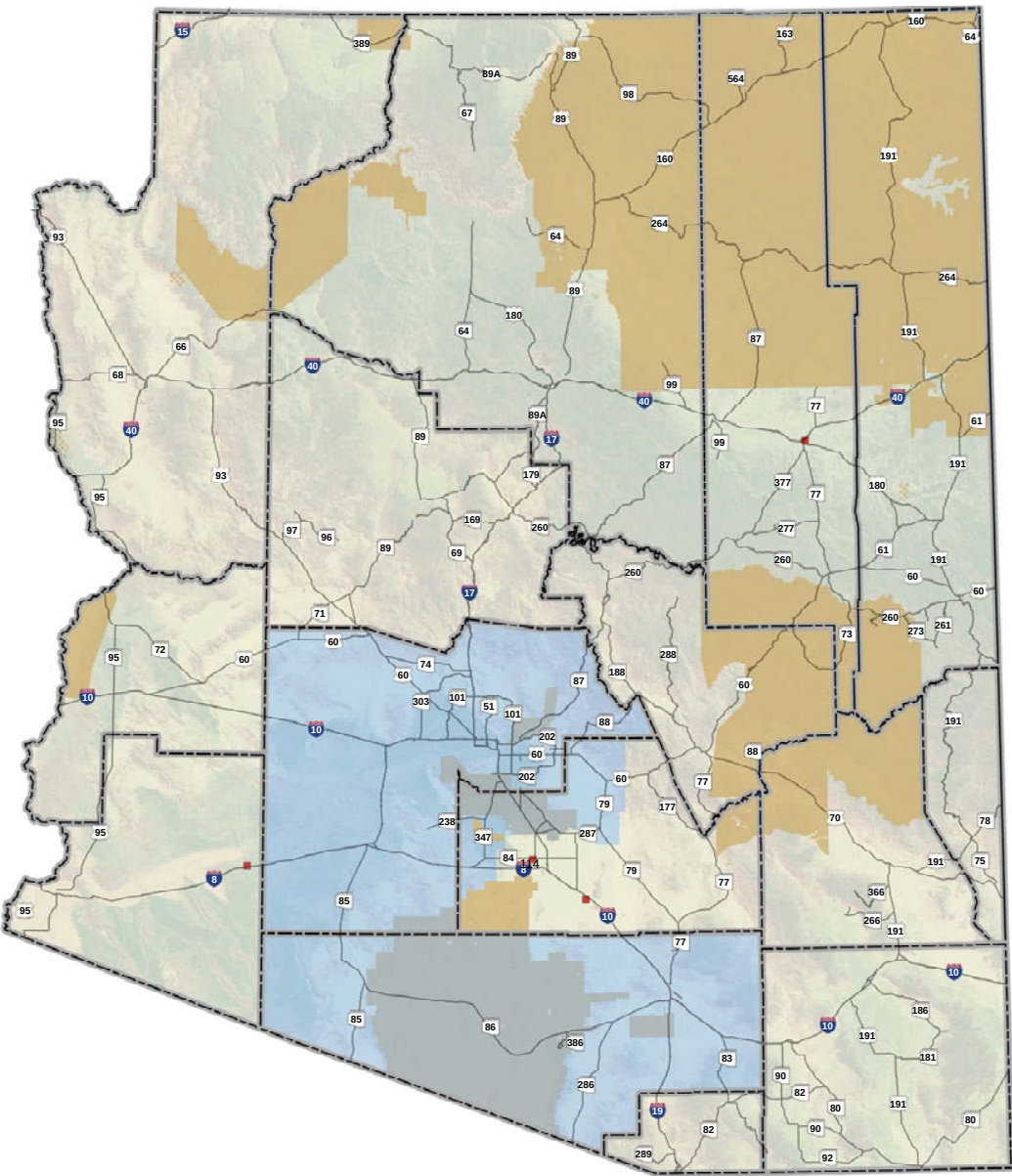
Crash Count per 5-square-mile Area
(Distribution Percentile)

- 1 crash (0 - 80th)
- 2 crashes (80th - 100th)

- TMA Areas
- Tribal Lands
- County Boundary
- Highway



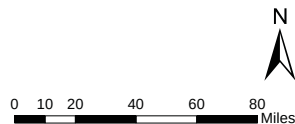
Density of Crashes in non-TMA Regions



Crash Count per 5-square-mile Area
(Distribution Percentile)

- 1 crash (0 - 100th)

- TMA Areas
- Tribal Lands
- County Boundary
- Highway



Notes:
1) Crash statistics include all fatal and incapacitating injury crash incidents occurring between January 1, 2005 and December 31, 2012.
2) Transportation Management Areas (TMAs) currently exist in the Maricopa Association of Governments (MAG) Region and Pima Association of Governments (PAG) Region.
Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

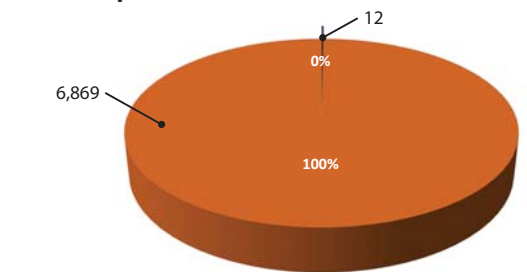
Total Train Involved Serious Crashes
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	2	0
2006	3	1
2007	0	0
2008	0	3
2009	2	2
2010	3	2
2011	2	1
2012	0	1
Total	12	10

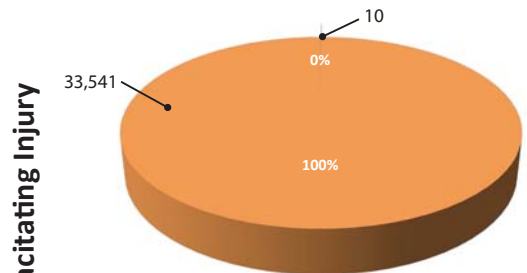
Total Crashes in Arizona
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	1,049	5,212
2006	1,126	4,934
2007	952	4,860
2008	843	4,133
2009	709	3,738
2010	695	3,576
2011	755	3,589
2012	742	3,509
Total	6,871	33,551

Train Involved Crashes
Compared to Total Crashes in Arizona



- Train Involved Fatal Crashes
- Other Fatal Crashes in Arizona



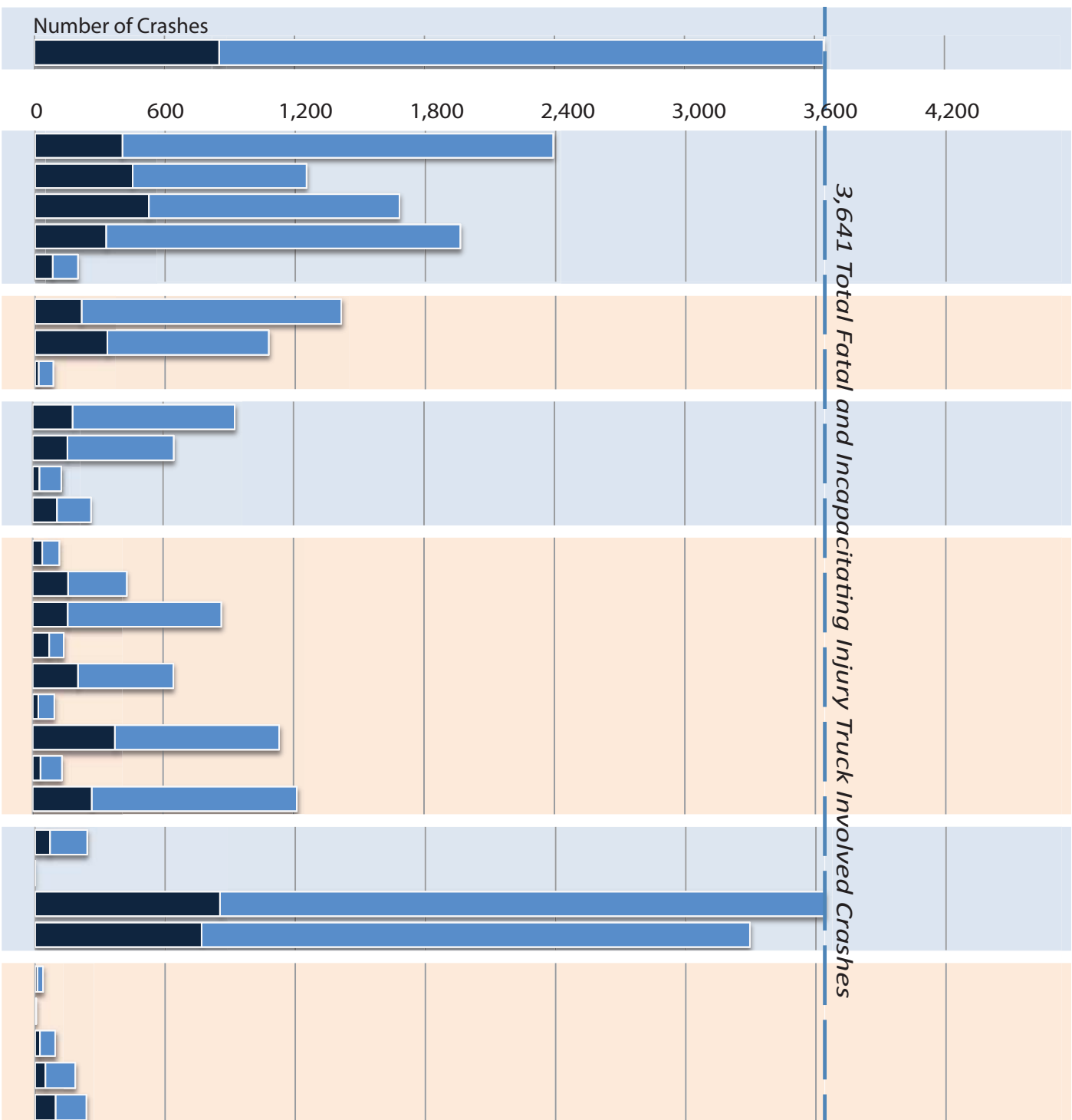
- Train Involved Incapacitating Injury Crashes
- Other Incapacitating Crashes in Arizona

Arizona Strategic Highway Safety Plan

Truck Involved Crash Summary | 2005-2012

Truck Involved Fatal and Incapacitating Injury Crash Statistics from 2005-2012

Truck Involved		Fatal		Incapacitating Injury		Total	
		853	100%	2,788	100%	3,641	100%
Characteristics		Fatal		Incapacitating Injury		Total	
		# of Crashes	% to total	# of Crashes	% to total	# of Crashes	% to total
Geographic	Urban	403	47.2%	1,986	71.2%	2,389	65.6%
	Rural	450	52.8%	802	28.8%	1,252	34.4%
	Highway	525	61.5%	1,155	41.4%	1,680	46.1%
	Other Road	328	38.5%	1,633	58.6%	1,961	53.9%
	Tribal Land	82	9.6%	116	4.2%	198	5.4%
Geometry	Intersection Related	215	25.2%	1,197	42.9%	1,412	38.8%
	Lane Departure	334	39.2%	744	26.7%	1,078	29.6%
	Work Zone	17	2.0%	68	2.4%	85	2.3%
Person Type	Young Driver (13-24)	184	21.6%	745	26.7%	929	25.5%
	65 and Older	160	18.8%	489	17.5%	649	17.8%
	Pedalcyclist Involved	31	3.6%	101	3.6%	132	3.6%
	Pedestrian Involved	112	13.1%	157	5.6%	269	7.4%
Behavior	Aggressive Driver	44	5.2%	79	2.8%	123	3.4%
	Alcohol Involved	163	19.1%	270	9.7%	433	11.9%
	Distracted Driver	161	18.9%	707	25.4%	868	23.8%
	Drug Involved	76	8.9%	67	2.4%	143	3.9%
	Impaired Driver	209	24.5%	438	15.7%	647	17.8%
	Unhelmeted Motorcyclist	26	3.0%	74	2.7%	100	2.7%
	No Restraint Used	378	44.3%	756	27.1%	1,134	31.1%
	Sleepy or Fatigued	36	4.2%	99	3.6%	135	3.7%
Vehicle	Speeding Involved	272	31.9%	943	33.8%	1,215	33.4%
	Motorcycle Involved	69	8.1%	172	6.2%	241	6.6%
	Train Involved	0	0.0%	1	0.0%	1	0.0%
	Truck Involved	853	100.0%	2,788	100.0%	3,641	100.0%
Environmental	Multiple Vehicle	768	90.0%	2,528	90.7%	3,296	90.5%
	Dust Related (Windy)	11	1.3%	26	0.9%	37	1.0%
	Wildlife/Animal Involved	1	0.1%	5	0.2%	6	0.2%
	Wet Weather	23	2.7%	70	2.5%	93	2.6%
	Dusk/ Dawn	48	5.6%	138	4.9%	186	5.1%
	Dark - No Light	95	11.1%	142	5.1%	237	6.5%



Notes:

1) The percentages shown in the table reflect the percent of Truck Involved crashes that also exhibit the characteristics being summarized.
2) Urban versus Rural designation of crash occurrence is based on the 2010 U.S. Census designation of urbanized areas.

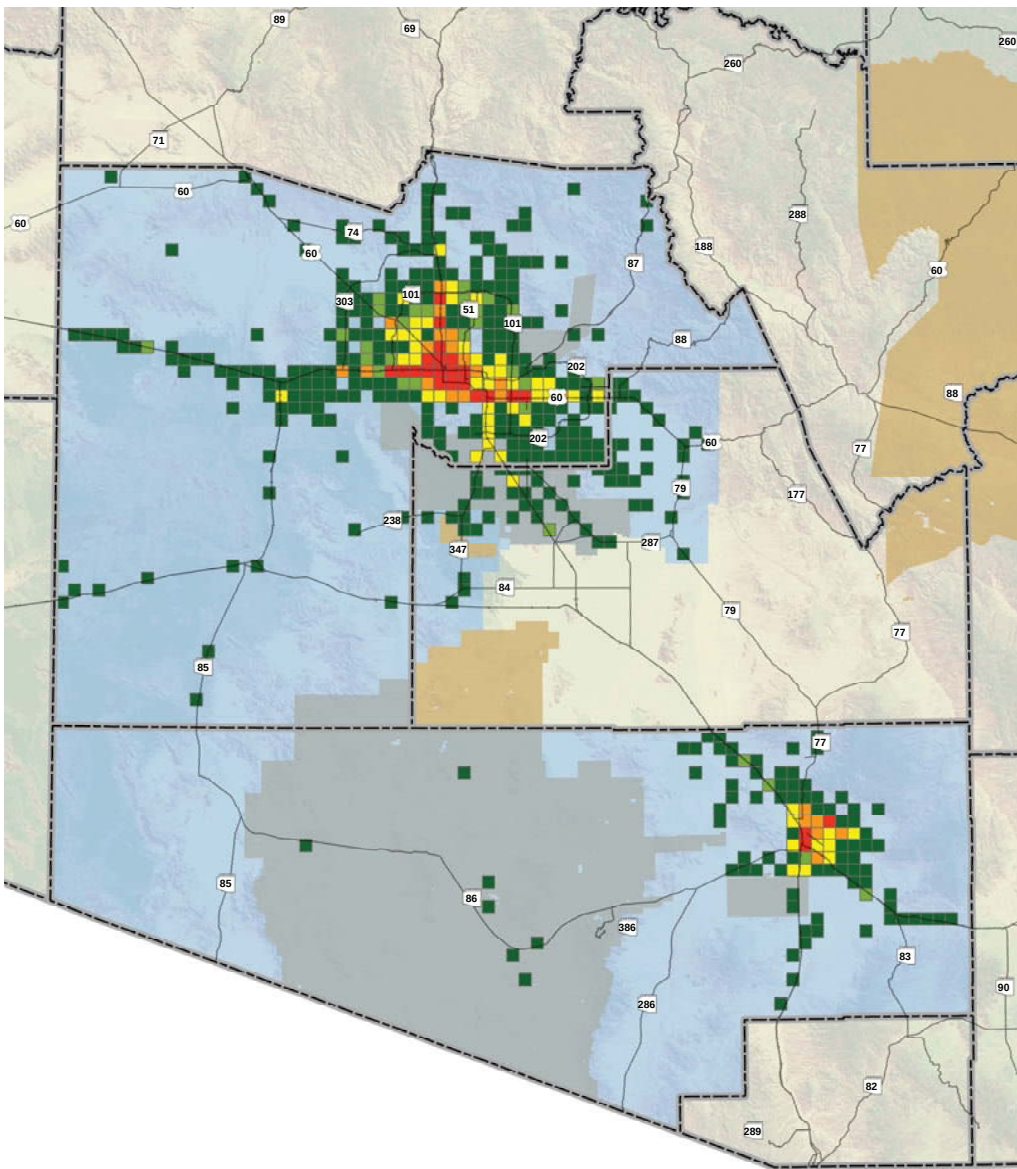
Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

Note: The graphs illustrate the number of Truck Involved crashes that also involved the graphed characteristic.

Arizona Strategic Highway Safety Plan

Truck Involved Crash Distribution | 2005-2012

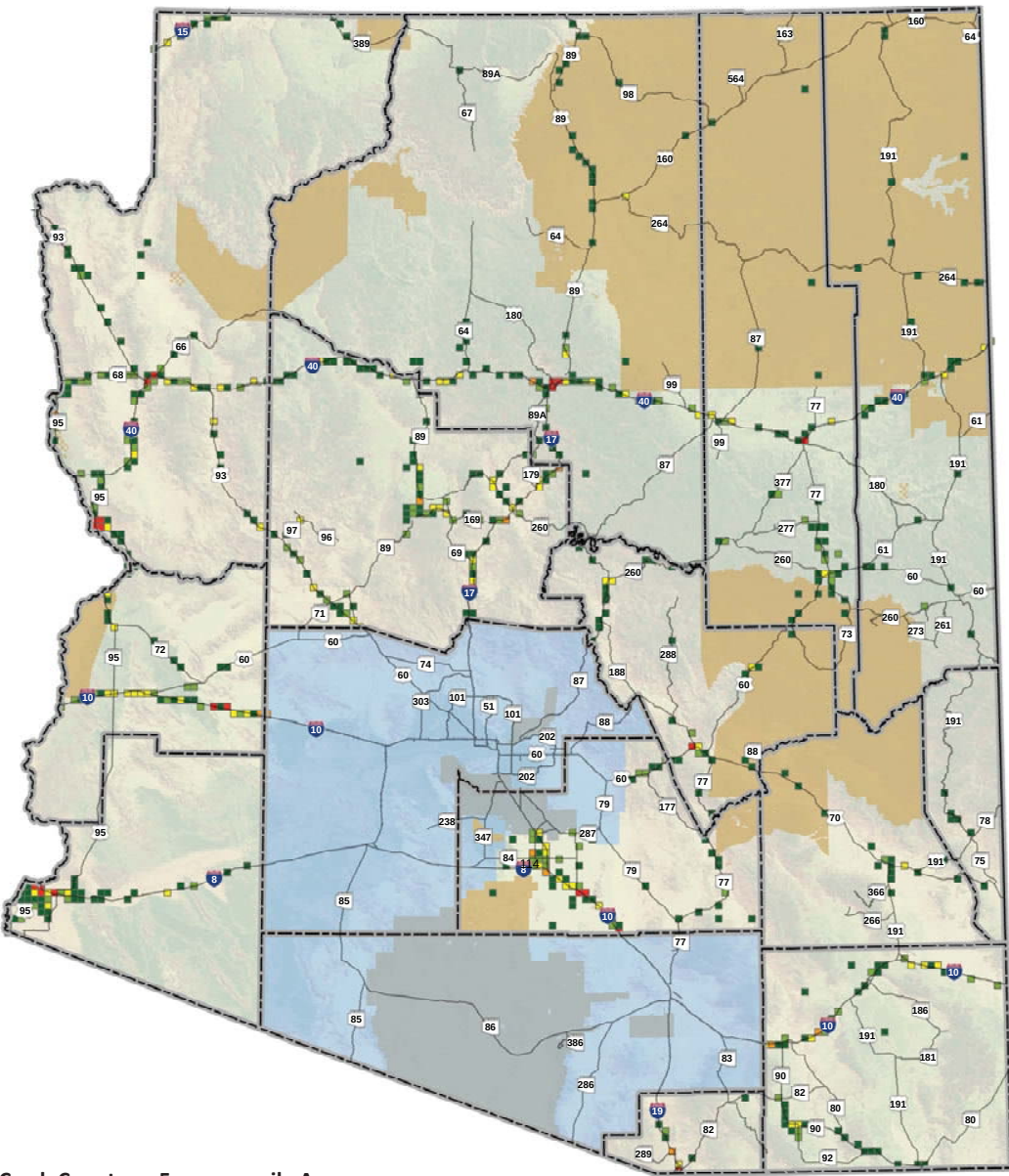
Density of Crashes in MAG/PAG TMA Regions



Crash Count per 5-square-mile Area
(Distribution Percentile)



Density of Crashes in non-TMA Regions



Crash Count per 5-square-mile Area
(Distribution Percentile)



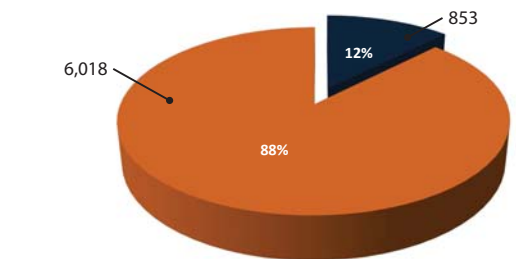
Total Truck Involved Serious Crashes
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	119	367
2006	138	335
2007	97	309
2008	95	241
2009	105	392
2010	90	375
2011	109	406
2012	100	363
Total	853	2,788

Total Crashes in Arizona
by Year 2005-2012

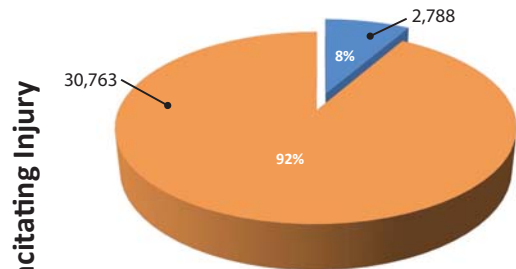
Year	Fatal	Incapacitating Injury
2005	1,049	5,212
2006	1,126	4,934
2007	952	4,860
2008	843	4,133
2009	709	3,738
2010	695	3,576
2011	755	3,589
2012	742	3,509
Total	6,871	33,551

Truck Involved Crashes
Compared to Total Crashes in Arizona



Fatal

- Truck Involved Fatal Crashes
- Other Fatal Crashes in Arizona



Incapacitating Injury

- Truck Involved Incapacitating Injury Crashes
- Other Incapacitating Crashes in Arizona

Notes:

1) Crash statistics include all fatal and incapacitating injury crash incidents occurring between January 1, 2005 and December 31, 2012.

2) Transportation Management Areas (TMAs) currently exist in the Maricopa Association of Governments (MAG) Region and Pima Association of Governments (PAG) Region.

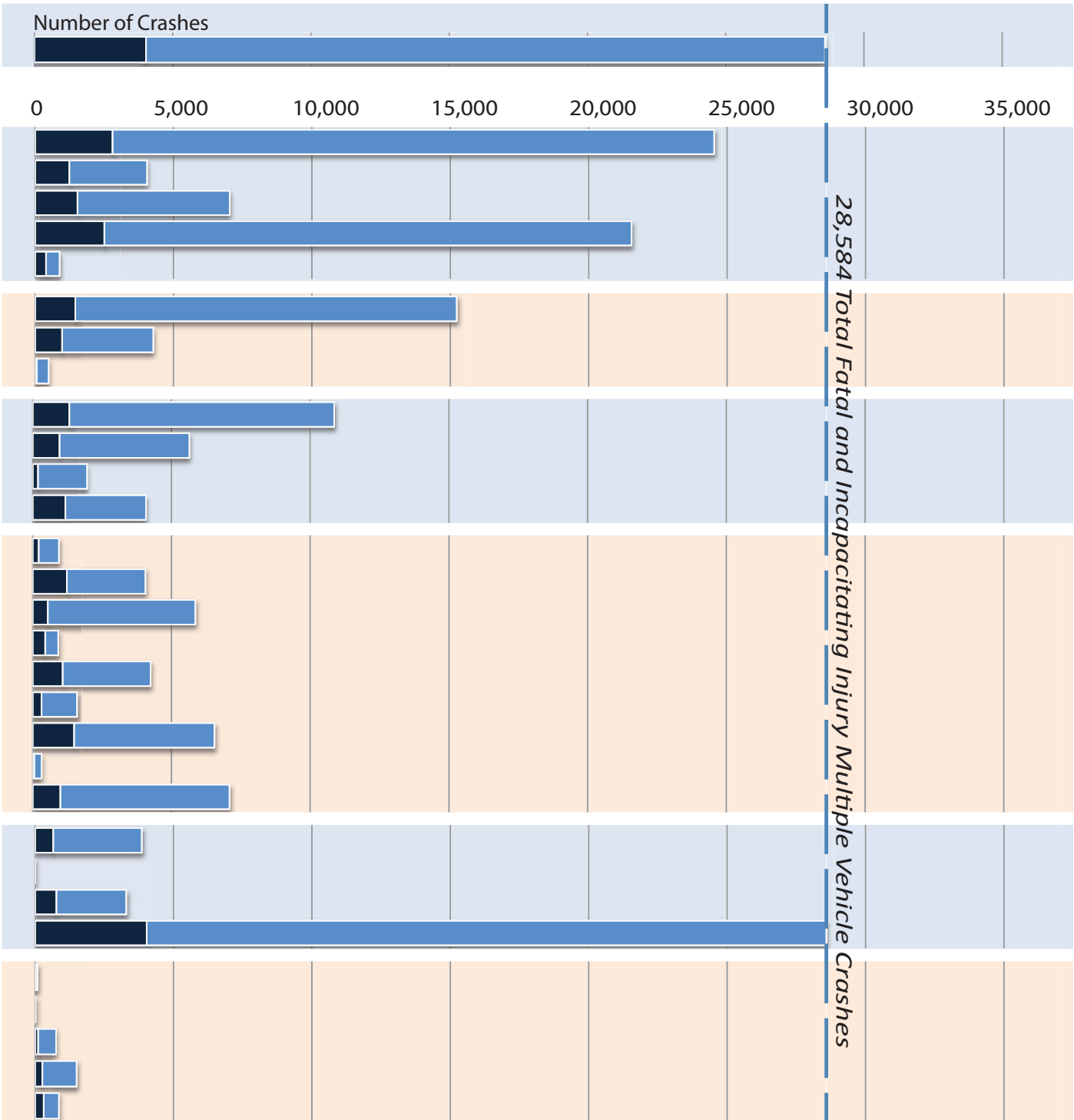
Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

Arizona Strategic Highway Safety Plan

Multiple Vehicle Crash Summary | 2005-2012

Multiple Vehicle Fatal and Incapacitating Injury Crash Statistics from 2005-2012

Multiple Vehicle		Fatal		Incapacitating Injury		Total	
		4,034	100%	24,550	100%	28,584	100%
Characteristics		Fatal		Incapacitating Injury		Total	
		# of Crashes	% to total	# of Crashes	% to total	# of Crashes	% to total
Geographic	Urban	2,796	69.3%	21,739	88.5%	24,535	85.8%
	Rural	1,238	30.7%	2,811	11.5%	4,049	14.2%
	Highway	1,532	38.0%	5,503	22.4%	7,035	24.6%
	Other Road	2,502	62.0%	19,047	77.6%	21,549	75.4%
	Tribal Land	397	9.8%	492	2.0%	889	3.1%
Geometry	Intersection Related	1,452	36.0%	13,783	56.1%	15,235	53.3%
	Lane Departure	975	24.2%	3,296	13.4%	4,271	14.9%
	Work Zone	67	1.7%	429	1.7%	496	1.7%
Person Type	Young Driver (13-24)	1,318	32.7%	9,548	38.9%	10,866	38.0%
	65 and Older	966	23.9%	4,683	19.1%	5,649	19.8%
	Pedalcyclist Involved	191	4.7%	1,770	7.2%	1,961	6.9%
	Pedestrian Involved	1,176	29.2%	2,908	11.8%	4,084	14.3%
Behavior	Aggressive Driver	215	5.3%	731	3.0%	946	3.3%
	Alcohol Involved	1,232	30.5%	2,835	11.5%	4,067	14.2%
	Distracted Driver	542	13.4%	5,318	21.7%	5,860	20.5%
	Drug Involved	451	11.2%	471	1.9%	922	3.2%
	Impaired Driver	1,077	26.7%	3,174	12.9%	4,251	14.9%
	Unhelmeted Motorcyclist	316	7.8%	1,285	5.2%	1,601	5.6%
	No Restraint Used	1,494	37.0%	5,059	20.6%	6,553	22.9%
	Sleepy or Fatigued	60	1.5%	264	1.1%	324	1.1%
	Speeding Involved	996	24.7%	6,098	24.8%	7,094	24.8%
Vehicle	Motorcycle Involved	655	16.2%	3,198	13.0%	3,853	13.5%
	Train Involved	1	0.0%	1	0.0%	2	0.0%
	Truck Involved	768	19.0%	2,528	10.3%	3,296	11.5%
	Multiple Vehicle	4,034	100.0%	24,550	100.0%	28,584	100.0%
Environmental	Dust Related (Windy)	22	0.5%	64	0.3%	86	0.3%
	Wildlife/Animal Involved	4	0.1%	10	0.0%	14	0.0%
	Wet Weather	108	2.7%	649	2.6%	757	2.6%
	Dusk/ Dawn	263	6.5%	1,242	5.1%	1,505	5.3%
	Dark - No Light	313	7.8%	550	2.2%	863	3.0%



Notes:

- 1) The percentages shown in the table reflect the percent of Multiple Vehicle crashes that also exhibit the characteristics being summarized.
2) Urban versus Rural designation of crash occurrence is based on the 2010 U.S. Census designation of urbanized areas.

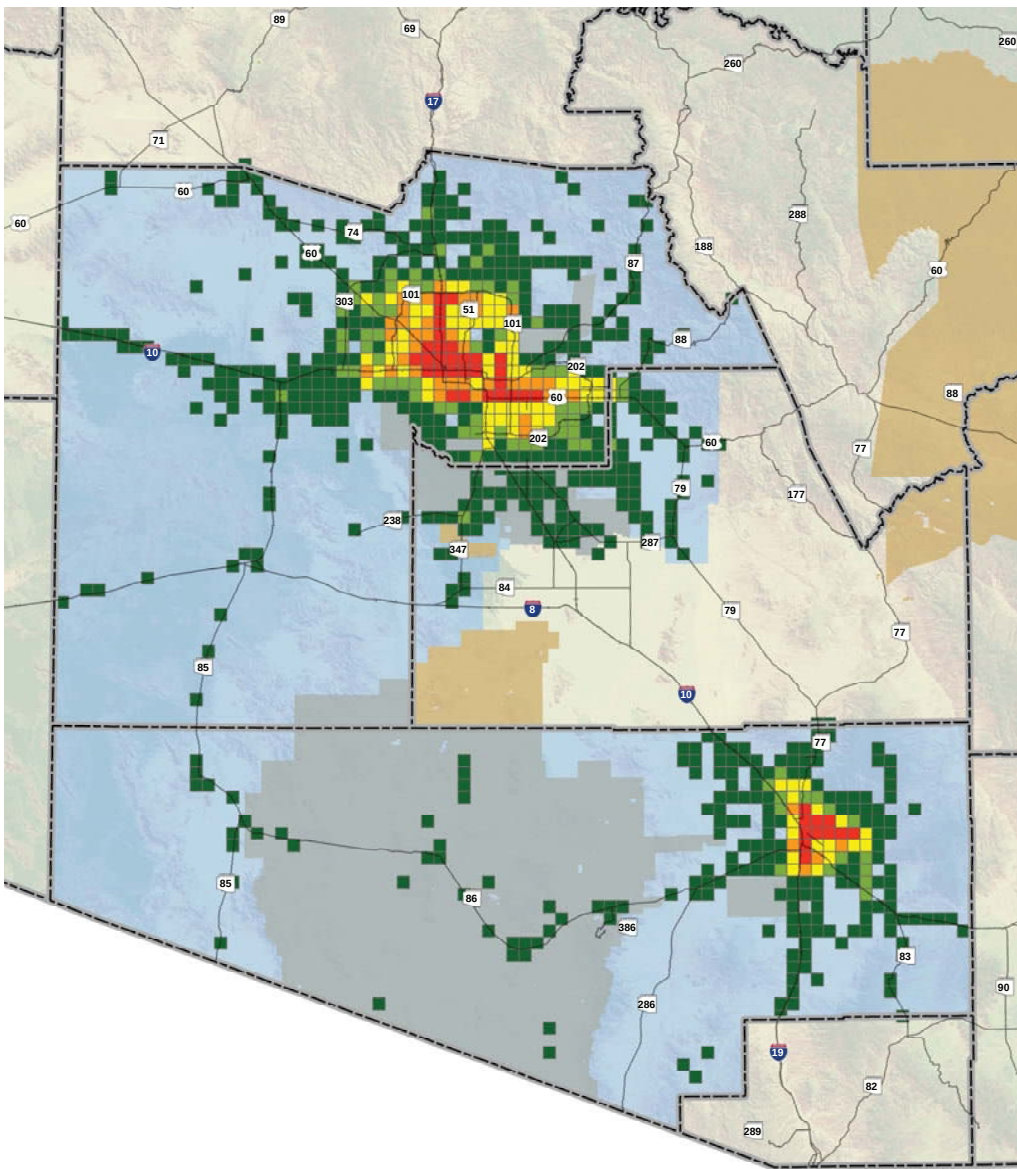
Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

Note: The graphs illustrate the number of Multiple Vehicle crashes that also involved the graphed characteristic.

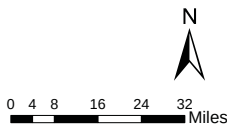
Arizona Strategic Highway Safety Plan

Multiple Vehicle Crash Distribution | 2005-2012

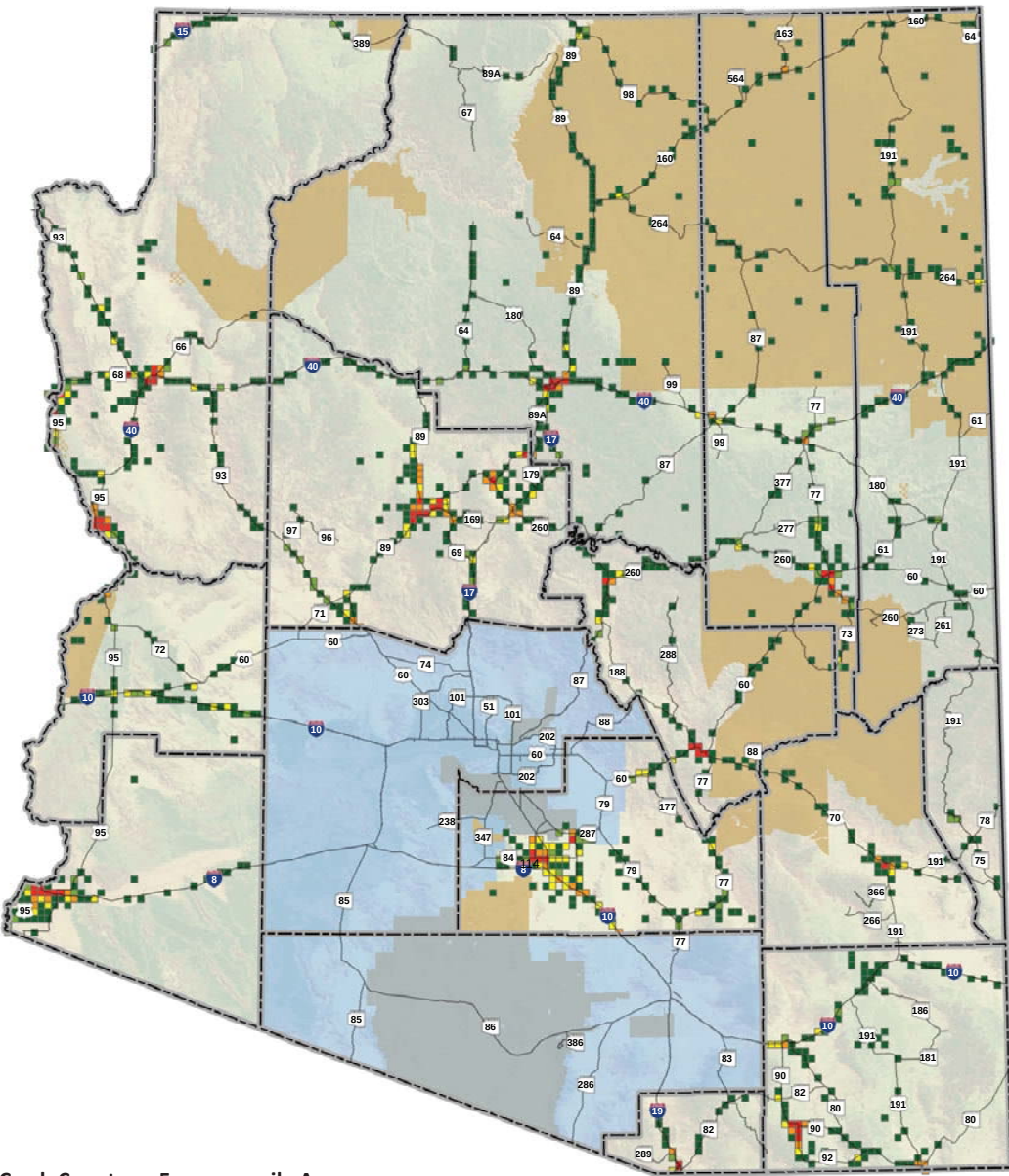
Density of Crashes in MAG/PAG TMA Regions



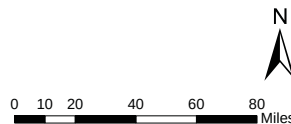
Crash Count per 5-square-mile Area
(Distribution Percentile)



Density of Crashes in non-TMA Regions



Crash Count per 5-square-mile Area
(Distribution Percentile)



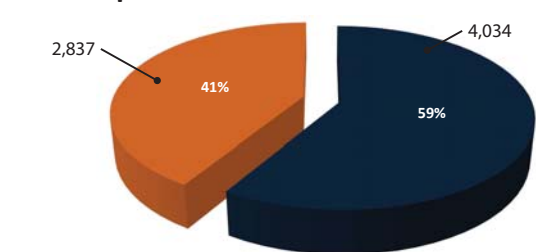
Total Multiple Vehicle Serious Crashes
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	634	3,927
2006	691	3,644
2007	557	3,514
2008	473	2,976
2009	389	2,655
2010	415	2,598
2011	450	2,663
2012	425	2,573
Total	4,034	24,550

Total Crashes in Arizona
by Year 2005-2012

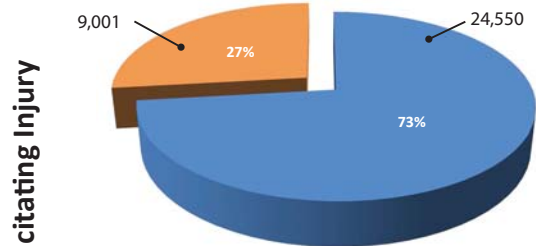
Year	Fatal	Incapacitating Injury
2005	1,049	5,212
2006	1,126	4,934
2007	952	4,860
2008	843	4,133
2009	709	3,738
2010	695	3,576
2011	755	3,589
2012	742	3,509
Total	6,871	33,551

Multiple Vehicle Crashes
Compared to Total Crashes in Arizona



Fatal

- Multiple Vehicle Fatal Crashes
- Other Fatal Crashes in Arizona



Incapacitating Injury

- Multiple Vehicle Incapacitating Injury Crashes
- Other Incapacitating Crashes in Arizona

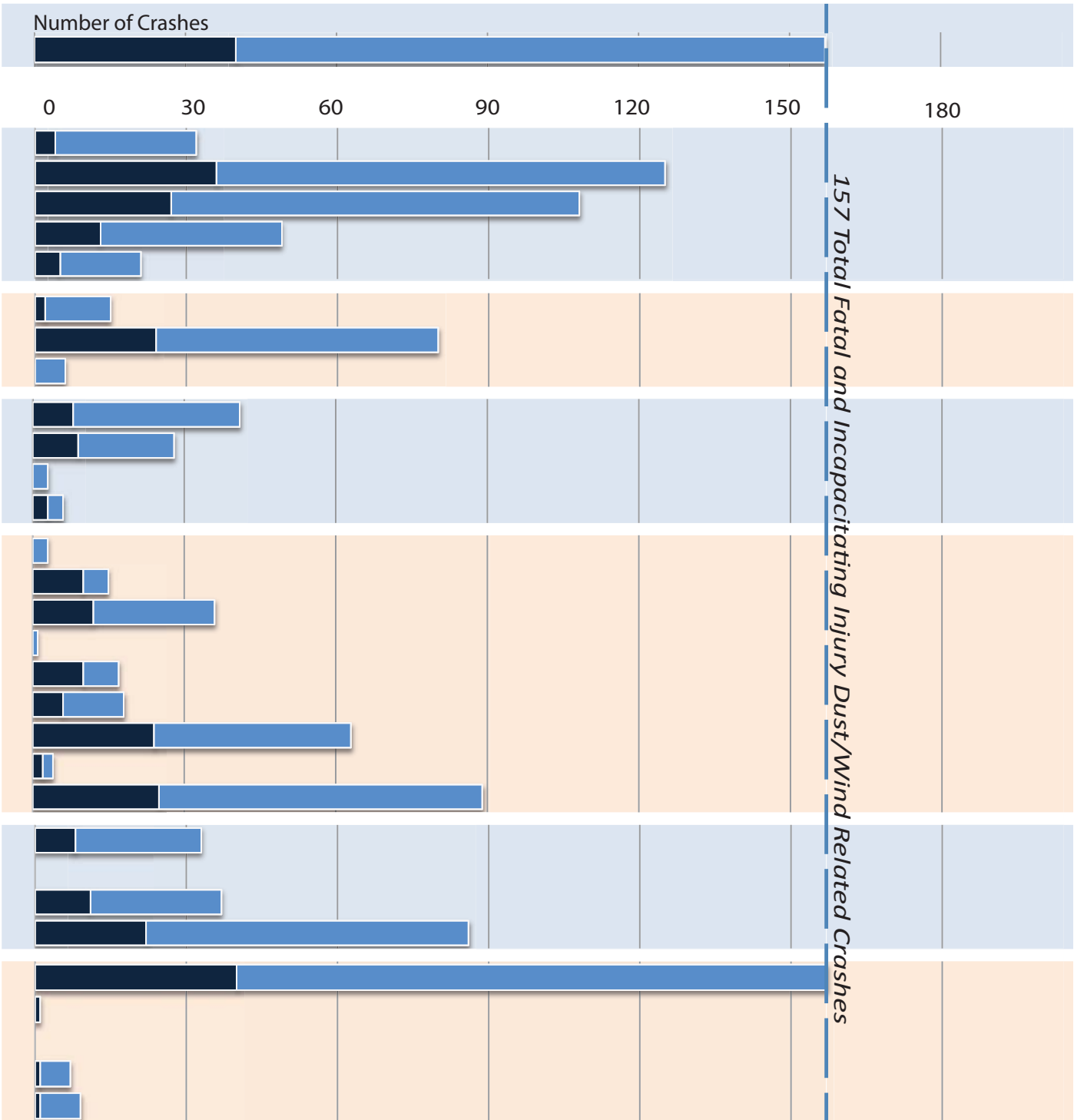
Notes:
1) Crash statistics include all fatal and incapacitating injury crash incidents occurring between January 1, 2005 and December 31, 2012.
2) Transportation Management Areas (TMAs) currently exist in the Maricopa Association of Governments (MAG) Region and Pima Association of Governments (PAG) Region.
Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

Arizona Strategic Highway Safety Plan

Dust/Wind Related Crash Summary | 2005-2012

Dust/Wind Related Fatal and Incapacitating Injury Crash Statistics from 2005-2012

Dust/Wind Related		Fatal		Incapacitating Injury		Total	
		40	100%	117	100%	157	100%
Characteristics		Fatal		Incapacitating Injury		Total	
		# of Crashes	% to total	# of Crashes	% to total	# of Crashes	% to total
Geographic	Urban	4	10.0%	28	23.9%	32	20.4%
	Rural	36	90.0%	89	76.1%	125	79.6%
	Highway	27	67.5%	81	69.2%	108	68.8%
	Other Road	13	32.5%	36	30.8%	49	31.2%
	Tribal Land	5	12.5%	16	13.7%	21	13.4%
Geometry	Intersection Related	2	5.0%	13	11.1%	15	9.6%
	Lane Departure	24	60.0%	56	47.9%	80	51.0%
	Work Zone	0	0.0%	6	5.1%	6	3.8%
Person Type	Young Driver (13-24)	8	20.0%	33	28.2%	41	26.1%
	65 and Older	9	22.5%	19	16.2%	28	17.8%
	Pedalcyclist Involved	0	0.0%	3	2.6%	3	1.9%
	Pedestrian Involved	3	7.5%	3	2.6%	6	3.8%
Behavior	Aggressive Driver	0	0.0%	3	2.6%	3	1.9%
	Alcohol Involved	10	25.0%	5	4.3%	15	9.6%
	Distracted Driver	12	30.0%	24	20.5%	36	22.9%
	Drug Involved	0	0.0%	1	0.9%	1	0.6%
	Impaired Driver	10	25.0%	7	6.0%	17	10.8%
	Unhelmeted Motorcyclist	6	15.0%	12	10.3%	18	11.5%
	No Restraint Used	24	60.0%	39	33.3%	63	40.1%
	Sleepy or Fatigued	2	5.0%	2	1.7%	4	2.5%
	Speeding Involved	25	62.5%	64	54.7%	89	56.7%
Vehicle	Motorcycle Involved	8	20.0%	25	21.4%	33	21.0%
	Train Involved	0	0.0%	0	0.0%	0	0.0%
	Truck Involved	11	27.5%	26	22.2%	37	23.6%
	Multiple Vehicle	22	55.0%	64	54.7%	86	54.8%
Environmental	Dust Related (Windy)	40	100.0%	117	100.0%	157	100.0%
	Wildlife/Animal Involved	1	2.5%	0	0.0%	1	0.6%
	Wet Weather	0	0.0%	0	0.0%	0	0.0%
	Dusk/ Dawn	1	2.5%	6	5.1%	7	4.5%
	Dark - No Light	1	2.5%	8	6.8%	9	5.7%



Notes:

- 1) The percentages shown in the table reflect the percent of Dust/Wind Related crashes that also exhibit the characteristics being summarized.
2) Urban versus Rural designation of crash occurrence is based on the 2010 U.S. Census designation of urbanized areas.

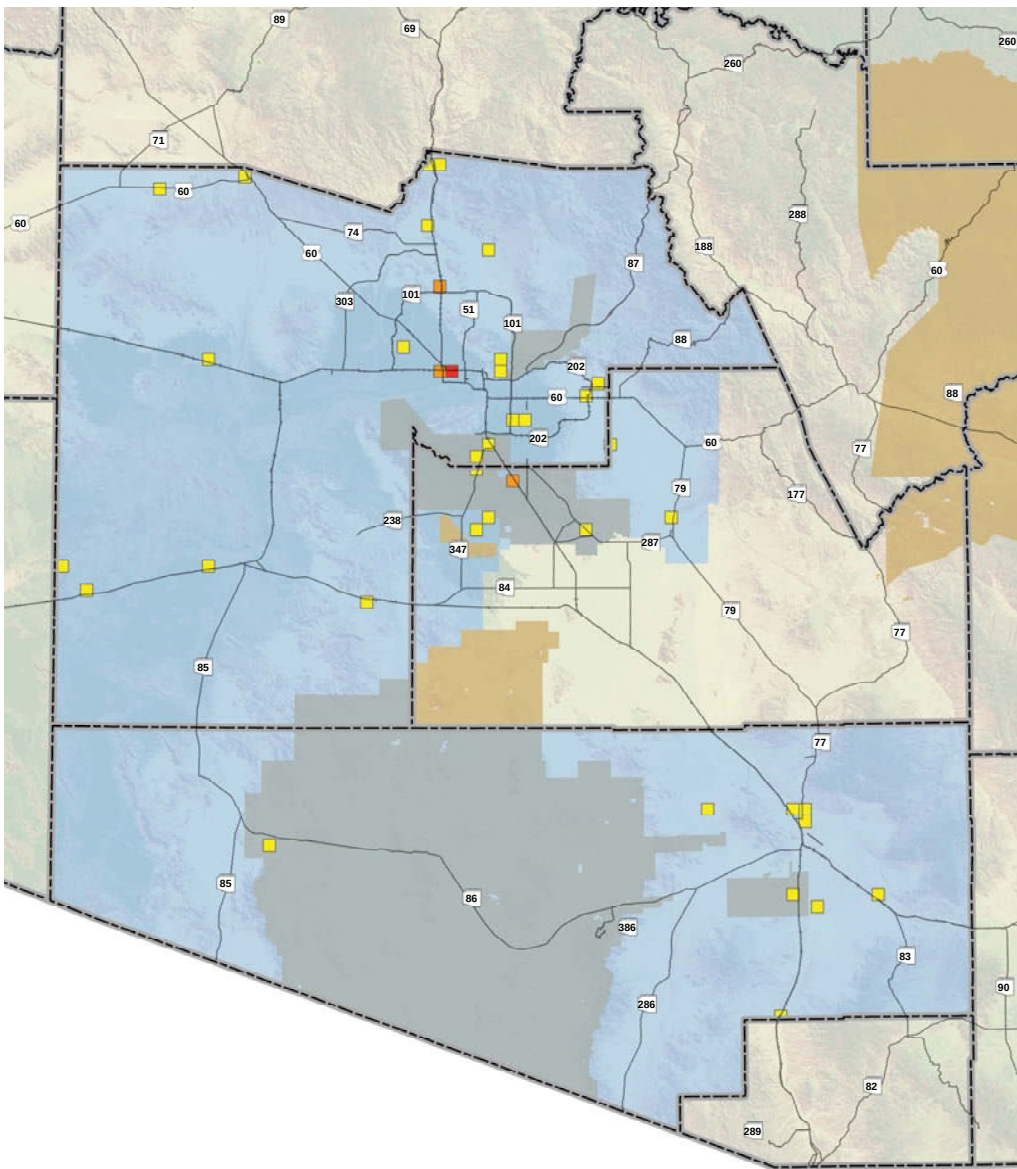
Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

Note: The graphs illustrate the number of Dust/Wind Related crashes that also involved the graphed characteristic.

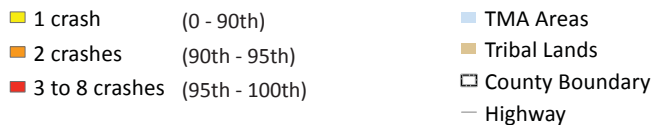
Arizona Strategic Highway Safety Plan

Dust/Wind Related Crash Distribution | 2005-2012

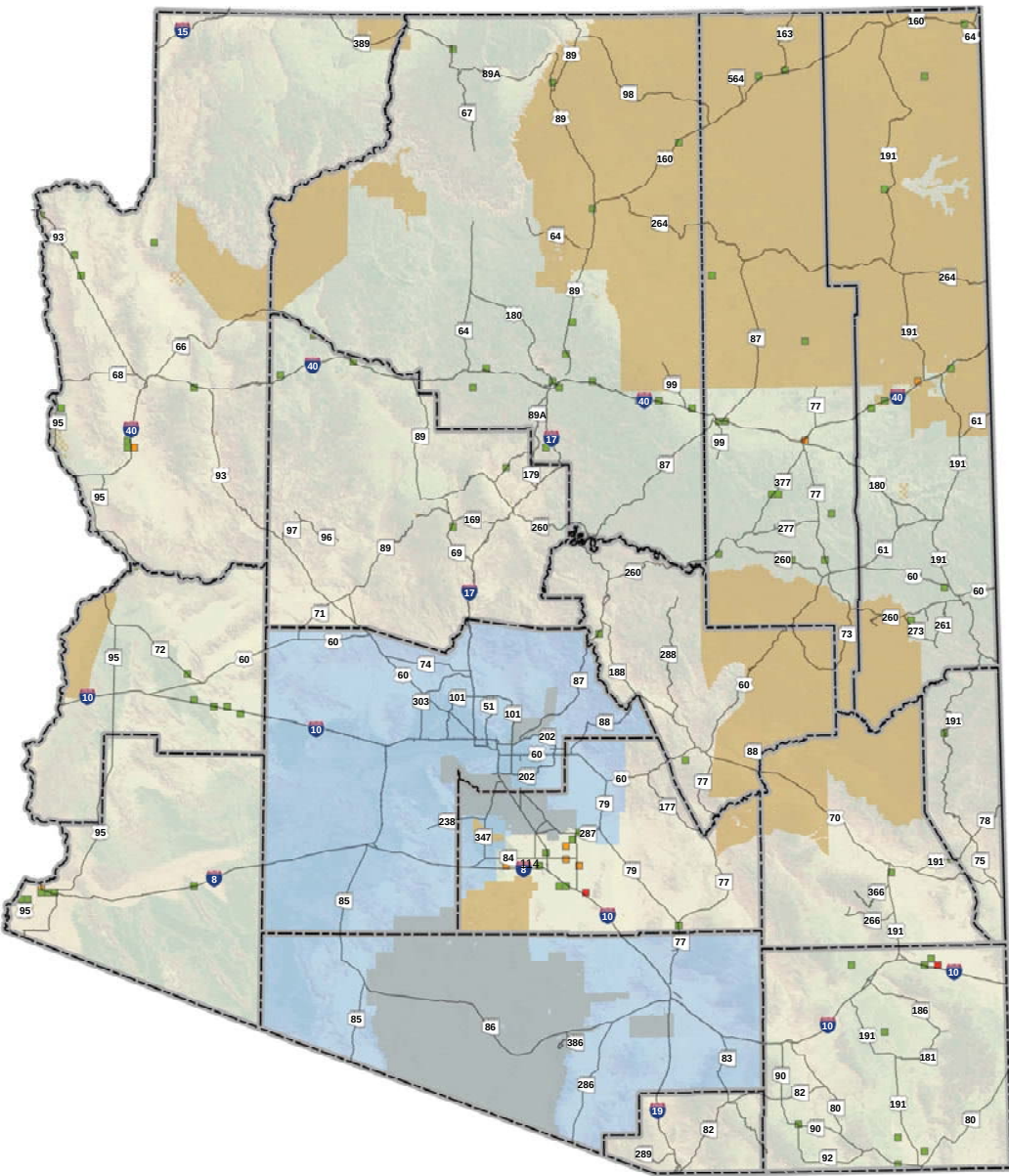
Density of Crashes in MAG/PAG TMA Regions



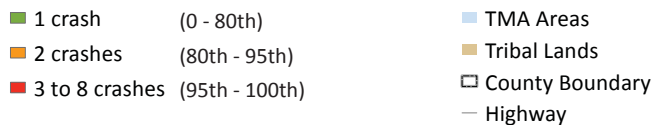
Crash Count per 5-square-mile Area
(Distribution Percentile)



Density of Crashes in non-TMA Regions



Crash Count per 5-square-mile Area
(Distribution Percentile)



Notes:
1) Crash statistics include all fatal and incapacitating injury crash incidents occurring between January 1, 2005 and December 31, 2012.
2) Transportation Management Areas (TMAs) currently exist in the Maricopa Association of Governments (MAG) Region and Pima Association of Governments (PAG) Region.
Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

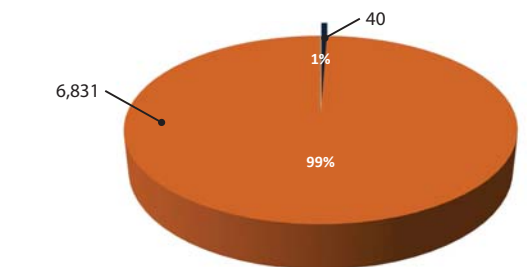
Total Dust/Wind Related Serious Crashes
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	4	6
2006	9	24
2007	7	19
2008	3	10
2009	7	19
2010	3	9
2011	3	16
2012	4	14
Total	40	117

Total Crashes in Arizona by Year
2005-2012

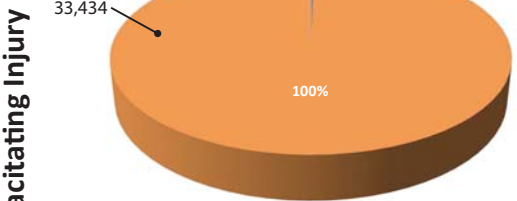
Year	Fatal	Incapacitating Injury
2005	1,049	5,212
2006	1,126	4,934
2007	952	4,860
2008	843	4,133
2009	709	3,738
2010	695	3,576
2011	755	3,589
2012	742	3,509
Total	6,871	33,551

Dust/Wind Related Crashes
Compared to Total Crashes in Arizona



Fatal

Dust/Wind Related Fatal Crashes
Other Fatal Crashes in Arizona



Incapacitating Injury

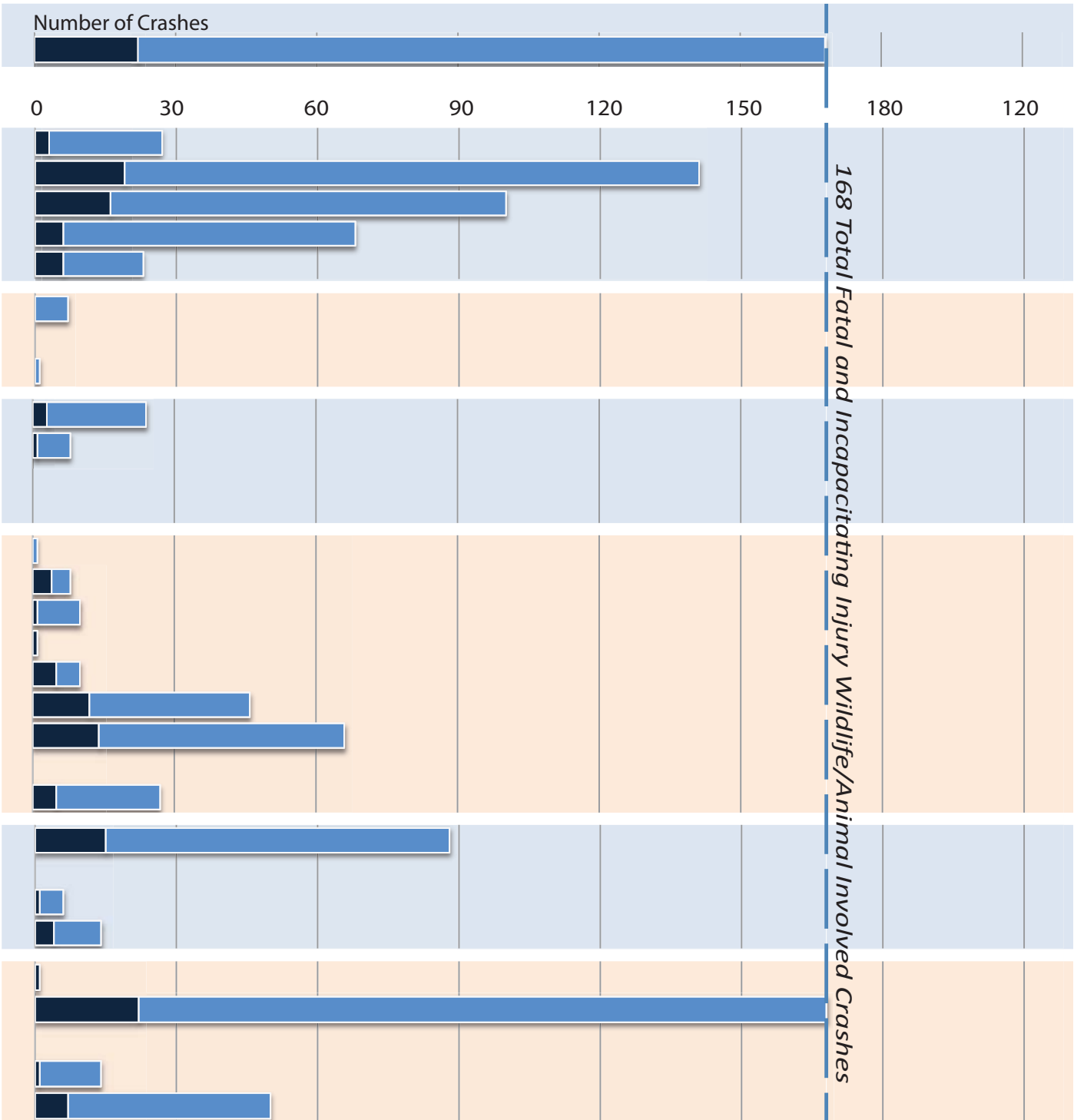
Dust/Wind Related Incapacitating Injury Crashes
Other Incapacitating Crashes in Arizona

Arizona Strategic Highway Safety Plan

Wildlife/Animal Involved Crash Summary | 2005-2012

Wildlife/Animal Involved Fatal and Incapacitating Injury Crash Statistics from 2005-2012

Wildlife/Animal Involved		Fatal		Incapacitating Injury		Total	
		22	100%	146	100%	168	100%
Characteristics		Fatal		Incapacitating Injury		Total	
		# of Crashes	% to total	# of Crashes	% to total	# of Crashes	% to total
Geographic	Urban	3	13.6%	24	16.4%	27	16.1%
	Rural	19	86.4%	122	83.6%	141	83.9%
	Highway	16	72.7%	84	57.5%	100	59.5%
	Other Road	6	27.3%	62	42.5%	68	40.5%
	Tribal Land	6	27.3%	17	11.6%	23	13.7%
Geometry	Intersection Related	0	0.0%	7	4.8%	7	4.2%
	Lane Departure	0	0.0%	0	0.0%	0	0.0%
	Work Zone	0	0.0%	1	0.7%	1	0.6%
Person Type	Young Driver (13-24)	3	13.6%	21	14.4%	24	14.3%
	65 and Older	1	4.5%	7	4.8%	8	4.8%
	Pedalcyclist Involved	0	0.0%	0	0.0%	0	0.0%
	Pedestrian Involved	0	0.0%	0	0.0%	0	0.0%
Behavior	Aggressive Driver	0	0.0%	1	0.7%	1	0.6%
	Alcohol Involved	4	18.2%	4	2.7%	8	4.8%
	Distracted Driver	1	4.5%	9	6.2%	10	6.0%
	Drug Involved	1	4.5%	0	0.0%	1	0.6%
	Impaired Driver	5	22.7%	5	3.4%	10	6.0%
	Unhelmeted Motorcyclist	12	54.5%	34	23.3%	46	27.4%
	No Restraint Used	14	63.6%	52	35.6%	66	39.3%
	Sleepy or Fatigued	0	0.0%	0	0.0%	0	0.0%
Vehicle	Speeding Involved	5	22.7%	22	15.1%	27	16.1%
	Motorcycle Involved	15	68.2%	73	50.0%	88	52.4%
	Train Involved	0	0.0%	0	0.0%	0	0.0%
	Truck Involved	1	4.5%	5	3.4%	6	3.6%
	Multiple Vehicle	4	18.2%	10	6.8%	14	8.3%
Environmental	Dust Related (Windy)	1	4.5%	0	0.0%	1	0.6%
	Wildlife/Animal Involved	22	100.0%	146	100.0%	168	100.0%
	Wet Weather	0	0.0%	0	0.0%	0	0.0%
	Dusk/ Dawn	1	4.5%	13	8.9%	14	8.3%
	Dark - No Light	7	31.8%	43	29.5%	50	29.8%



Note: The graphs illustrate the number of Wildlife/Animal Involved crashes that also involved the graphed characteristic.

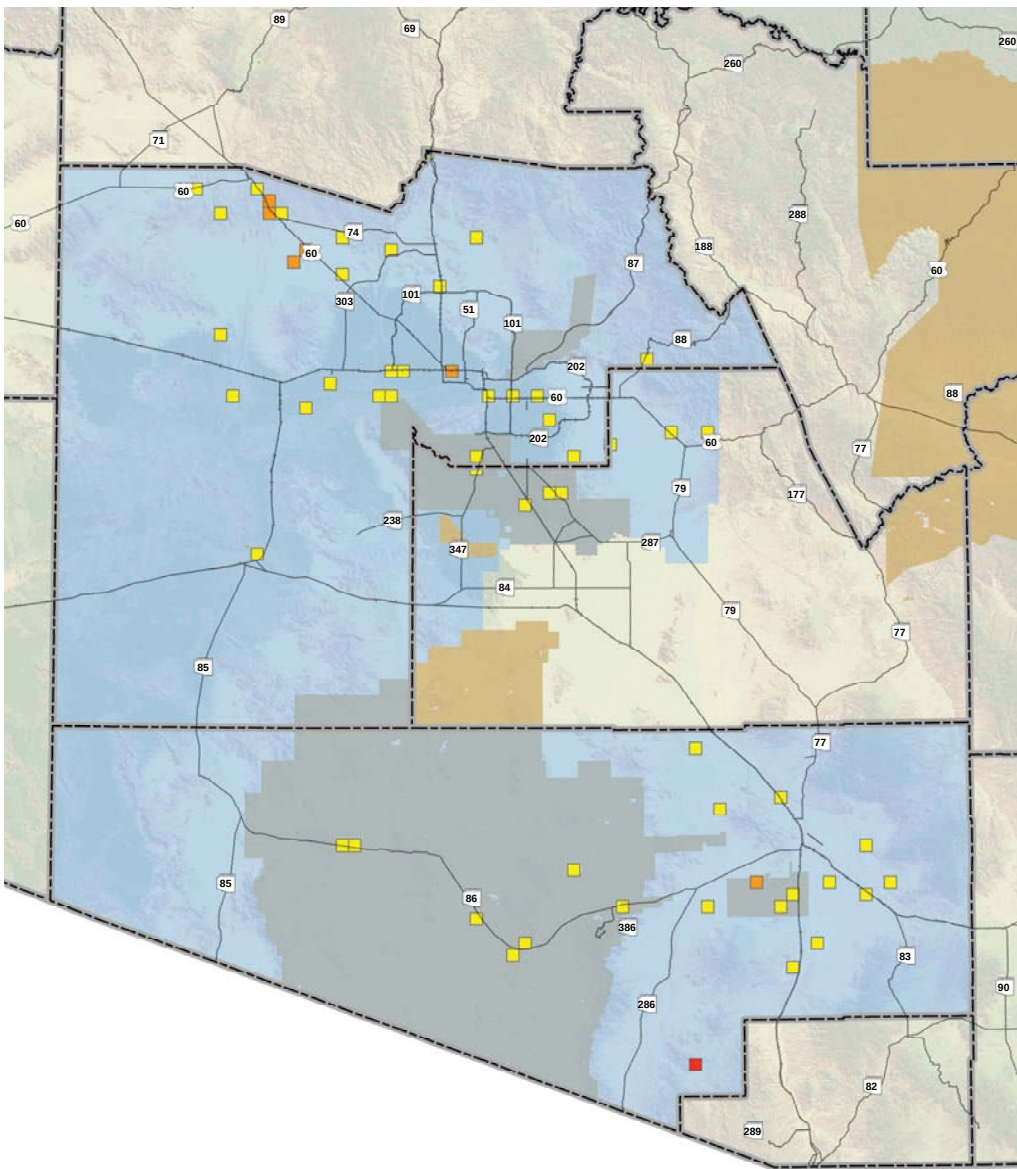
Notes:

- 1) The percentages shown in the table reflect the percent of Wildlife/Animal Involved crashes that also exhibit the characteristics being summarized.
- 2) Urban versus Rural designation of crash occurrence is based on the 2010 U.S. Census designation of urbanized areas.
- Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

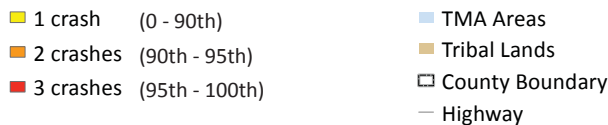
Arizona Strategic Highway Safety Plan

Wildlife/Animal Involved Crash Distribution | 2005-2012

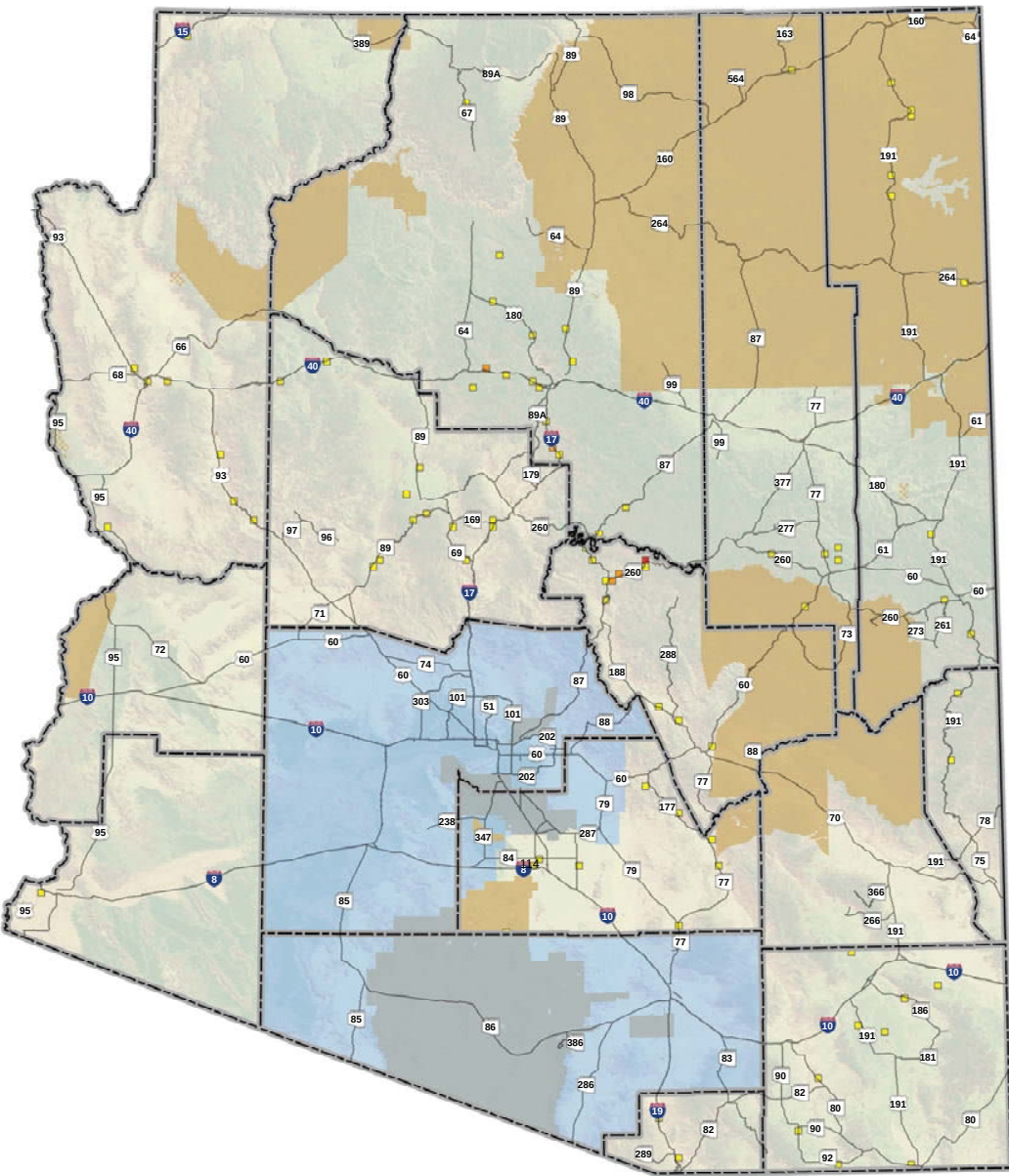
Density of Crashes in MAG/PAG TMA Regions



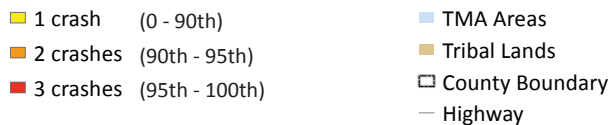
Crash Count per 5-square-mile Area
(Distribution Percentile)



Density of Crashes in non-TMA Regions



Crash Count per 5-square-mile Area
(Distribution Percentile)



Notes:
1) Crash statistics include all fatal and incapacitating injury crash incidents occurring between January 1, 2005 and December 31, 2012.
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Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

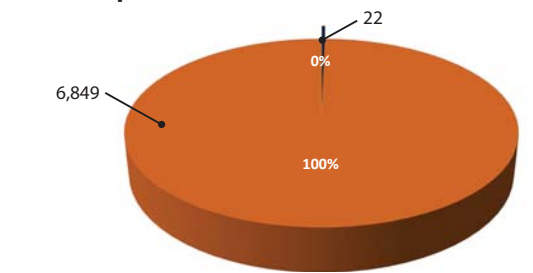
Total Wildlife/Animal Involved Serious
Crashes by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	3	20
2006	2	18
2007	5	21
2008	1	19
2009	4	23
2010	1	16
2011	2	11
2012	4	18
Total	22	146

Total Crashes in Arizona
by Year 2005-2012

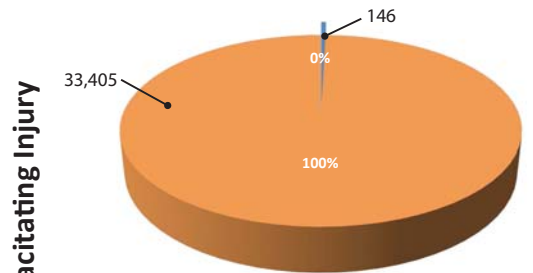
Year	Fatal	Incapacitating Injury
2005	1,049	5,212
2006	1,126	4,934
2007	952	4,860
2008	843	4,133
2009	709	3,738
2010	695	3,576
2011	755	3,589
2012	742	3,509
Total	6,871	33,551

Wildlife/Animal Involved Crashes
Compared to Total Crashes in Arizona



Fatal

Wildlife/Animal Involved Fatal Crashes
Other Fatal Crashes in Arizona



Incapacitating Injury

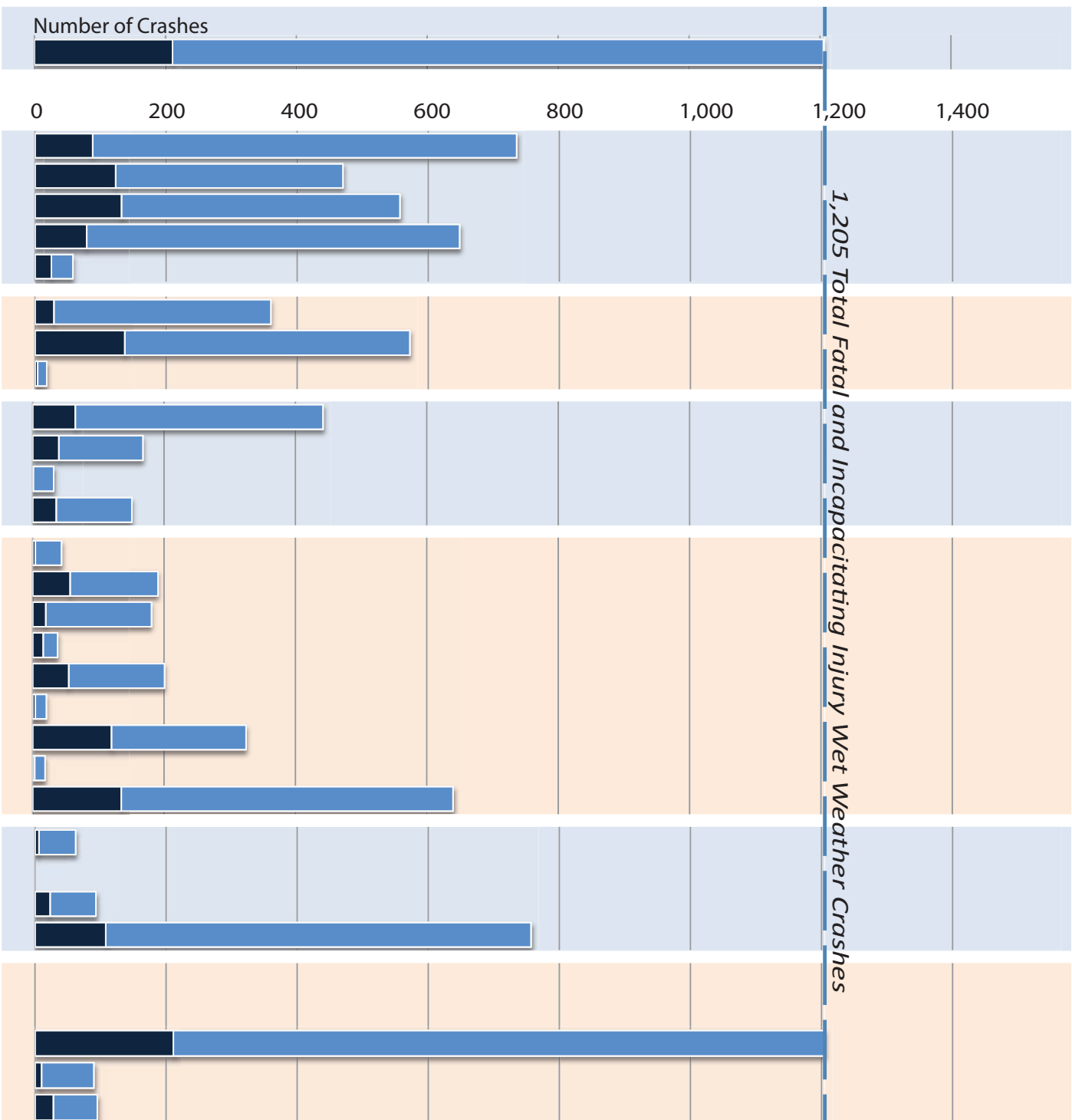
Wildlife/Animal Involved Incapacitating Crashes
Other Incapacitating Crashes in Arizona

Arizona Strategic Highway Safety Plan

Wet Weather Crash Summary | 2005-2012

Wet Weather Fatal and Incapacitating Injury Crash Statistics from 2005-2012

Wet Weather		Fatal		Incapacitating Injury		Total	
		211	100%	994	100%	1,205	100%
Characteristics		Fatal		Incapacitating Injury		Total	
		# of Crashes	% to total	# of Crashes	% to total	# of Crashes	% to total
Geographic	Urban	88	41.7%	647	65.1%	735	61.0%
	Rural	123	58.3%	347	34.9%	470	39.0%
	Highway	132	62.6%	425	42.8%	557	46.2%
	Other Road	79	37.4%	569	57.2%	648	53.8%
	Tribal Land	25	11.8%	33	3.3%	58	4.8%
Geometry	Intersection Related	29	13.7%	331	33.3%	360	29.9%
	Lane Departure	137	64.9%	435	43.8%	572	47.5%
	Work Zone	4	1.9%	14	1.4%	18	1.5%
Person Type	Young Driver (13-24)	65	30.8%	377	37.9%	442	36.7%
	65 and Older	40	19.0%	128	12.9%	168	13.9%
	Pedalcyclist Involved	1	0.5%	31	3.1%	32	2.7%
	Pedestrian Involved	36	17.1%	115	11.6%	151	12.5%
Behavior	Aggressive Driver	4	1.9%	40	4.0%	44	3.7%
	Alcohol Involved	57	27.0%	134	13.5%	191	15.9%
	Distracted Driver	20	9.5%	161	16.2%	181	15.0%
	Drug Involved	16	7.6%	22	2.2%	38	3.2%
	Impaired Driver	55	26.1%	146	14.7%	201	16.7%
	Unhelmeted Motorcyclist	4	1.9%	17	1.7%	21	1.7%
	No Restraint Used	120	56.9%	205	20.6%	325	27.0%
	Sleepy or Fatigued	3	1.4%	16	1.6%	19	1.6%
Vehicle	Speeding Involved	135	64.0%	505	50.8%	640	53.1%
	Motorcycle Involved	6	2.8%	56	5.6%	62	5.1%
	Train Involved	0	0.0%	0	0.0%	0	0.0%
	Truck Involved	23	10.9%	70	7.0%	93	7.7%
	Multiple Vehicle	108	51.2%	649	65.3%	757	62.8%
Environmental	Dust Related (Windy)	0	0.0%	0	0.0%	0	0.0%
	Wildlife/Animal Involved	0	0.0%	0	0.0%	0	0.0%
	Wet Weather	211	100.0%	994	100.0%	1,205	100.0%
	Dusk/ Dawn	10	4.7%	80	8.0%	90	7.5%
	Dark - No Light	28	13.3%	67	6.7%	95	7.9%



Note: The graphs illustrate the number of Wet Weather crashes that also involved the graphed characteristic.

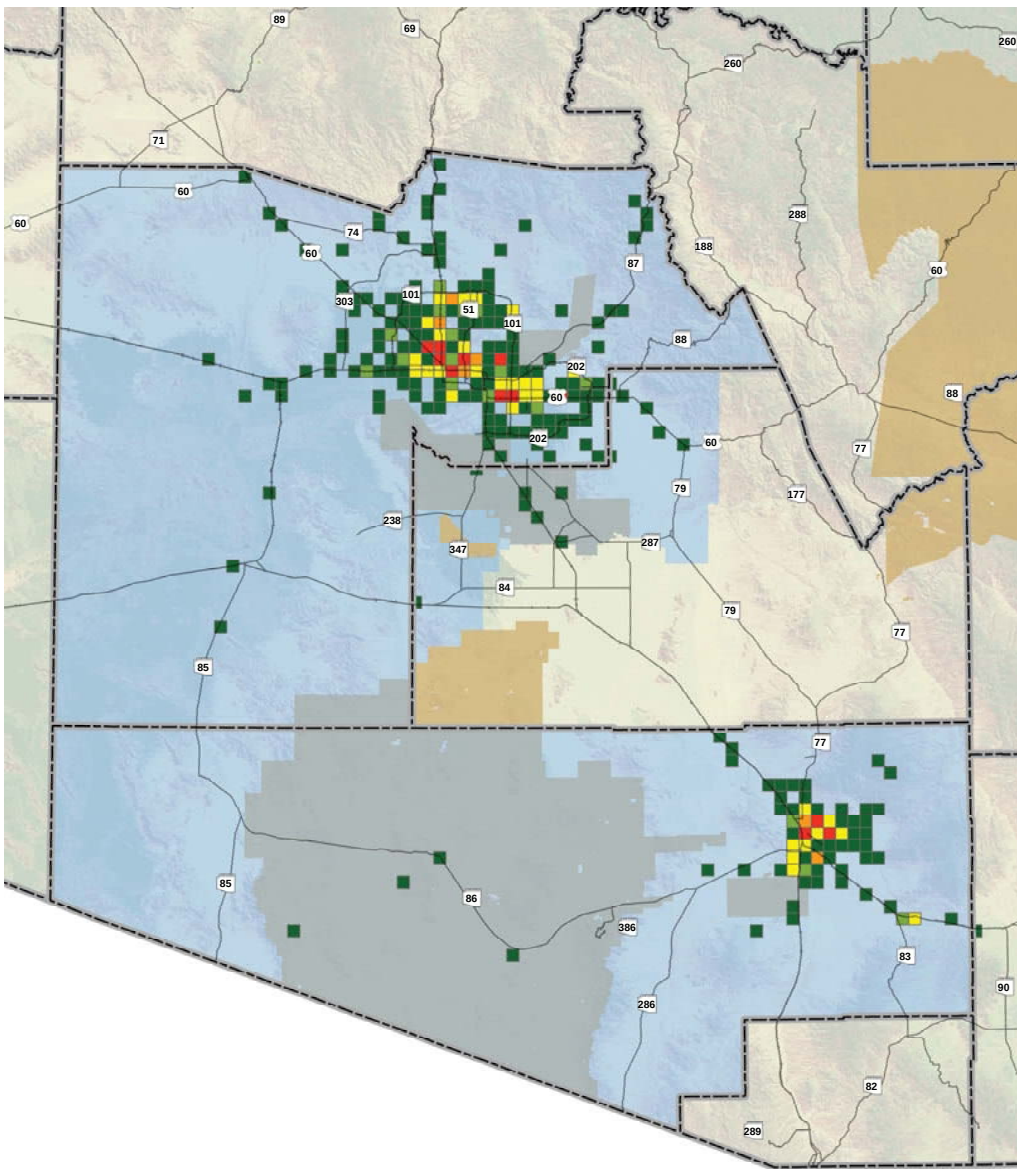
Notes:

- 1) The percentages shown in the table reflect the percent of Wet Weather crashes that also exhibit the characteristics being summarized.
- 2) Urban versus Rural designation of crash occurrence is based on the 2010 U.S. Census designation of urbanized areas.
- Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

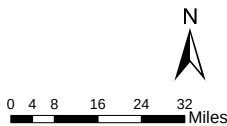
Arizona Strategic Highway Safety Plan

Wet Weather Crash Distribution | 2005-2012

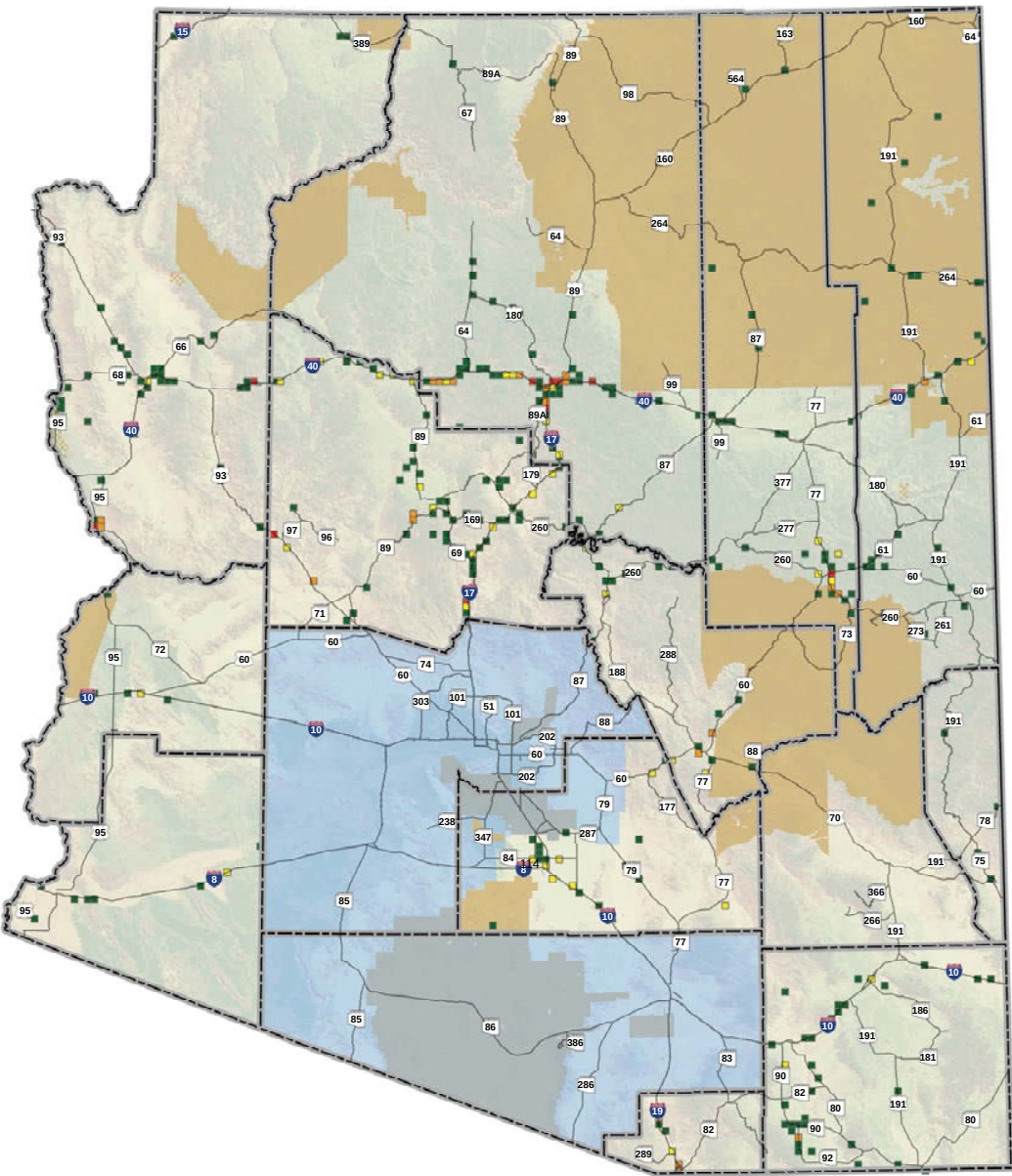
Density of Crashes in MAG/PAG TMA Regions



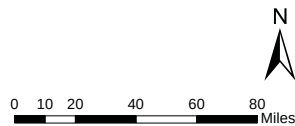
Crash Count per 5-square-mile Area
(Distribution Percentile)



Density of Crashes in non-TMA Regions



Crash Count per 5-square-mile Area
(Distribution Percentile)



Notes:
1) Crash statistics include all fatal and incapacitating injury crash incidents occurring between January 1, 2005 and December 31, 2012.
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Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

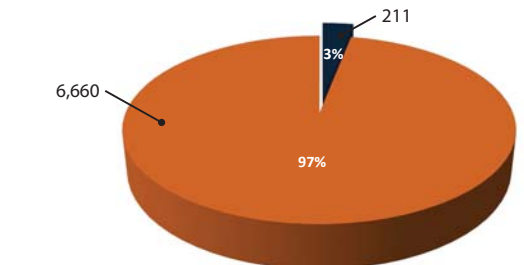
Total Wet Weather Serious Crashes
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	43	189
2006	41	126
2007	27	161
2008	19	142
2009	20	68
2010	28	150
2011	20	76
2012	13	82
Total	211	994

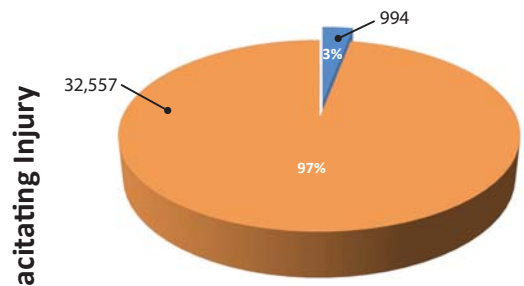
Total Crashes in Arizona
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	1,049	5,212
2006	1,126	4,934
2007	952	4,860
2008	843	4,133
2009	709	3,738
2010	695	3,576
2011	755	3,589
2012	742	3,509
Total	6,871	33,551

Wet Weather Crashes
Compared to Total Crashes in Arizona



Legend: Wet Weather Fatal Crashes (dark blue), Other Fatal Crashes in Arizona (orange)



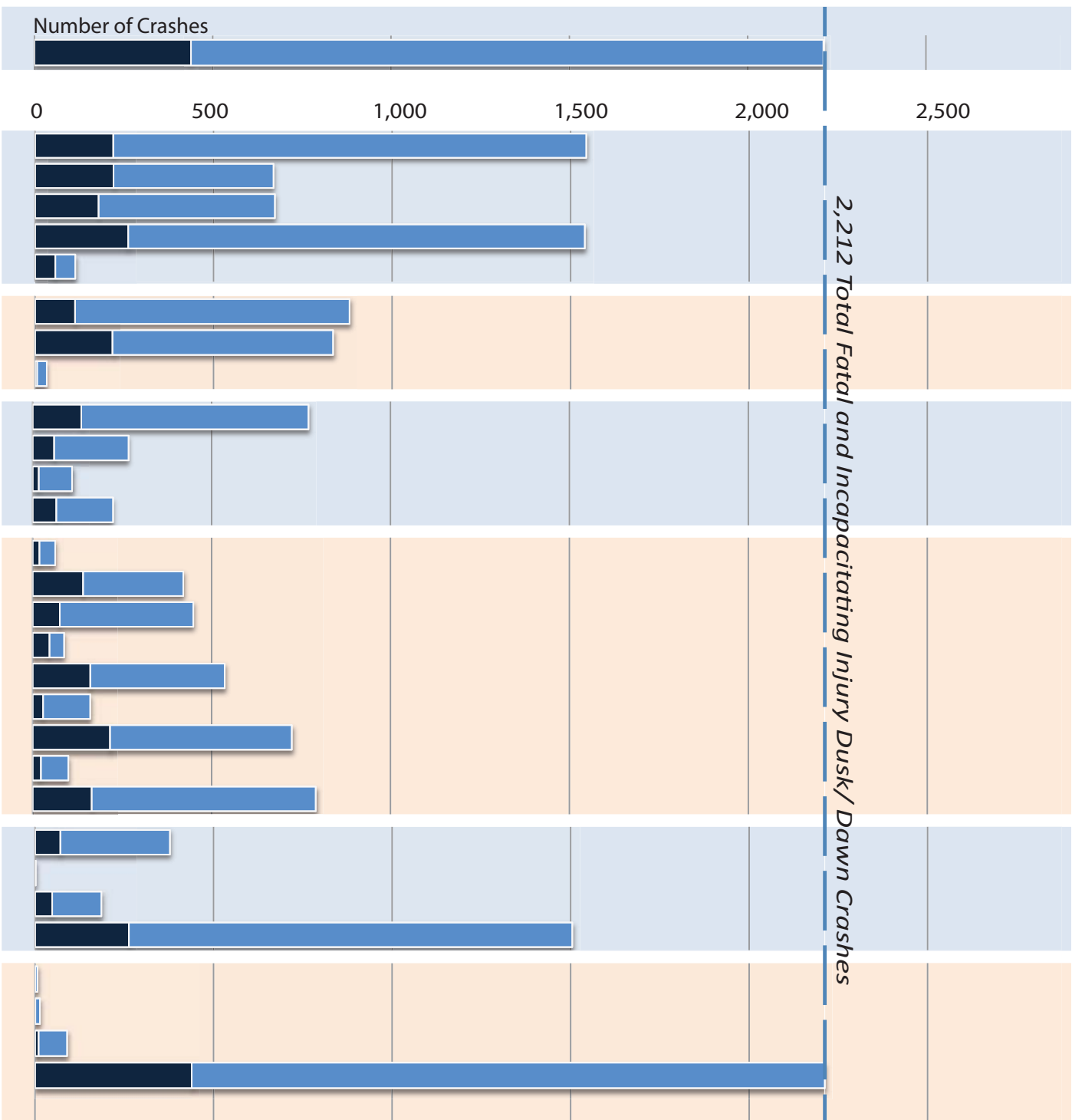
Legend: Wet Weather Incapacitating Injury Crashes (dark blue), Other Incapacitating Crashes in Arizona (orange)

Arizona Strategic Highway Safety Plan

Dusk/ Dawn Crash Summary | 2005-2012

Dusk/ Dawn Fatal and Incapacitating Injury Crash Statistics from 2005-2012

Dusk/ Dawn		Fatal		Incapacitating Injury		Total	
		439	100%	1,773	100%	2,212	100%
Characteristics		Fatal		Incapacitating Injury		Total	
		# of Crashes	% to total	# of Crashes	% to total	# of Crashes	% to total
Geographic	Urban	219	49.9%	1,325	74.7%	1,544	69.8%
	Rural	220	50.1%	448	25.3%	668	30.2%
	Highway	178	40.5%	494	27.9%	672	30.4%
	Other Road	261	59.5%	1,279	72.1%	1,540	69.6%
	Tribal Land	57	13.0%	56	3.2%	113	5.1%
Geometry	Intersection Related	112	25.5%	769	43.4%	881	39.8%
	Lane Departure	217	49.4%	618	34.9%	835	37.7%
	Work Zone	6	1.4%	27	1.5%	33	1.5%
Person Type	Young Driver (13-24)	136	31.0%	635	35.8%	771	34.9%
	65 and Older	60	13.7%	208	11.7%	268	12.1%
	Pedalcyclist Involved	17	3.9%	93	5.2%	110	5.0%
	Pedestrian Involved	66	15.0%	159	9.0%	225	10.2%
Behavior	Aggressive Driver	19	4.3%	44	2.5%	63	2.8%
	Alcohol Involved	141	32.1%	280	15.8%	421	19.0%
	Distracted Driver	76	17.3%	373	21.0%	449	20.3%
	Drug Involved	47	10.7%	41	2.3%	88	4.0%
	Impaired Driver	161	36.7%	376	21.2%	537	24.3%
	Unhelmeted Motorcyclist	29	6.6%	132	7.4%	161	7.3%
	No Restraint Used	216	49.2%	508	28.7%	724	32.7%
	Sleepy or Fatigued	23	5.2%	77	4.3%	100	4.5%
	Speeding Involved	165	37.6%	626	35.3%	791	35.8%
Vehicle	Motorcycle Involved	71	16.2%	307	17.3%	378	17.1%
	Train Involved	1	0.2%	1	0.1%	2	0.1%
	Truck Involved	48	10.9%	138	7.8%	186	8.4%
	Multiple Vehicle	263	59.9%	1,242	70.1%	1,505	68.0%
Environmental	Dust Related (Windy)	1	0.2%	6	0.3%	7	0.3%
	Wildlife/Animal Involved	1	0.2%	13	0.7%	14	0.6%
	Wet Weather	10	2.3%	80	4.5%	90	4.1%
	Dusk/ Dawn	439	100.0%	1,773	100.0%	2,212	100.0%
	Dark - No Light	0	0.0%	0	0.0%	0	0.0%



Notes:

- 1) The percentages shown in the table reflect the percent of Dusk/ Dawn crashes that also exhibit the characteristics being summarized.
2) Urban versus Rural designation of crash occurrence is based on the 2010 U.S. Census designation of urbanized areas.

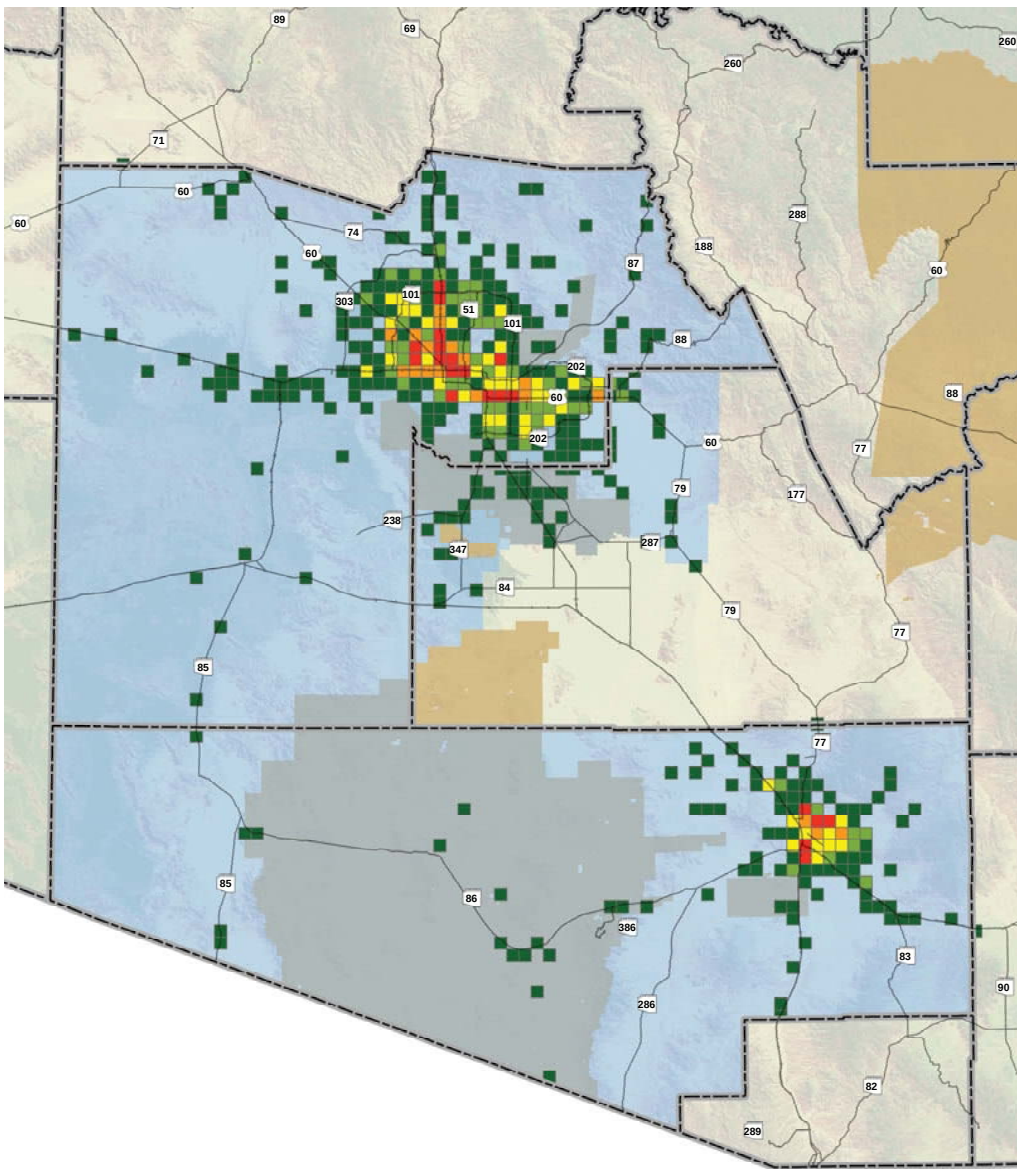
Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

Note: The graphs illustrate the number of Dusk/ Dawn crashes that also involved the graphed characteristic.

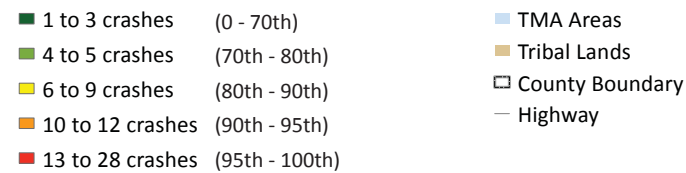
Arizona Strategic Highway Safety Plan

Dusk/ Dawn Crash Distribution | 2005-2012

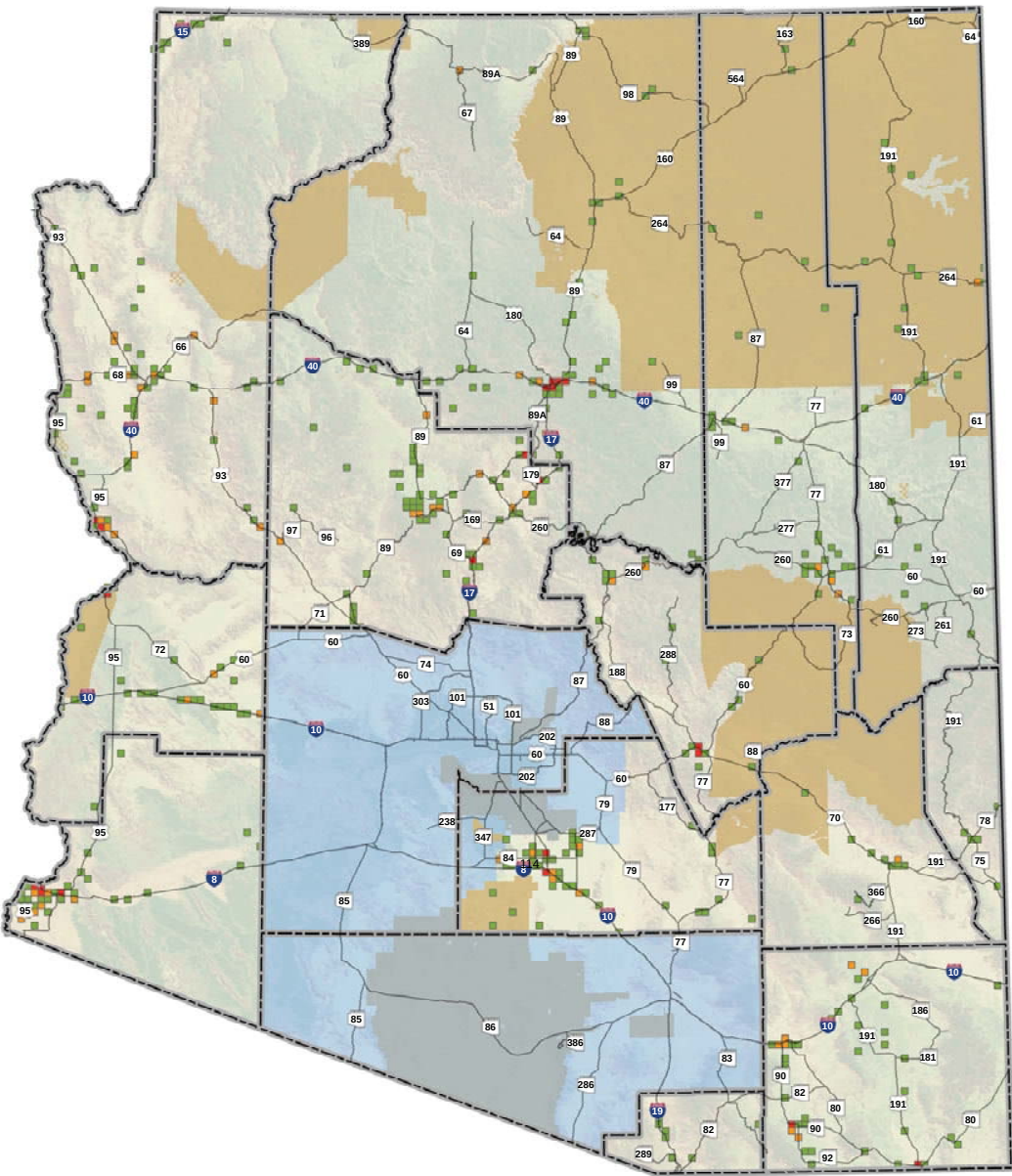
Density of Crashes in MAG/PAG TMA Regions



Crash Count per 5-square-mile Area
(Distribution Percentile)



Density of Crashes in non-TMA Regions



Crash Count per 5-square-mile Area
(Distribution Percentile)



Notes:
1) Crash statistics include all fatal and incapacitating injury crash incidents occurring between January 1, 2005 and December 31, 2012.
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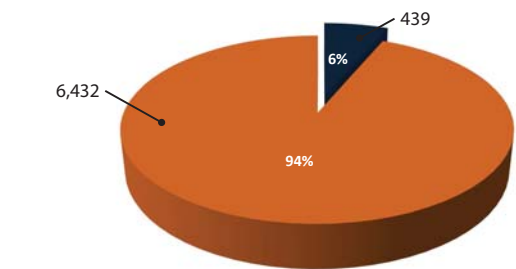
Total Dusk/ Dawn Serious Crashes
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	64	295
2006	80	296
2007	65	262
2008	73	209
2009	35	212
2010	37	179
2011	44	165
2012	41	155
Total	439	1,773

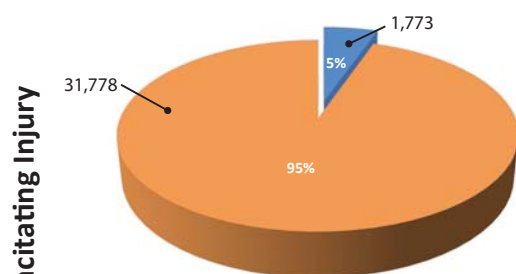
Total Crashes in Arizona
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	1,049	5,212
2006	1,126	4,934
2007	952	4,860
2008	843	4,133
2009	709	3,738
2010	695	3,576
2011	755	3,589
2012	742	3,509
Total	6,871	33,551

Dusk/ Dawn Crashes
Compared to Total Crashes in Arizona



Fatal
Legend: Dusk/ Dawn Fatal Crashes, Other Fatal Crashes in Arizona



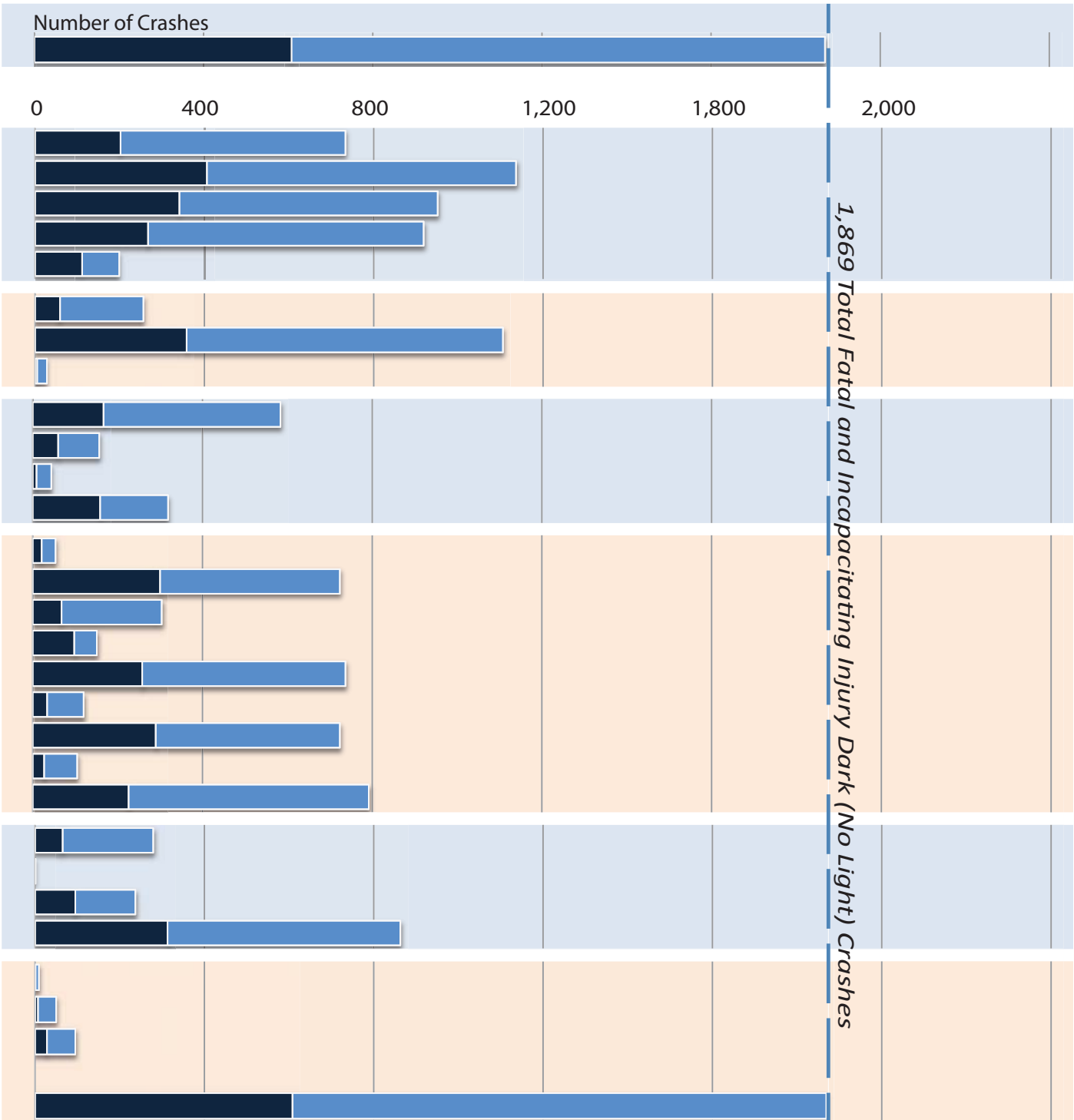
Incapacitating Injury
Legend: Dusk/ Dawn Incapacitating Injury Crashes, Other Incapacitating Crashes in Arizona

Arizona Strategic Highway Safety Plan

Dark (No Light) Crash Summary | 2005-2012

Dark (No Light) Fatal and Incapacitating Injury Crash Statistics from 2005-2012

Dark - No Light		Fatal		Incapacitating Injury		Total	
		608	100%	1,261	100%	1,869	100%
Characteristics		Fatal		Incapacitating Injury		Total	
		# of Crashes	% to total	# of Crashes	% to total	# of Crashes	% to total
Geographic	Urban	202	33.2%	531	42.1%	733	39.2%
	Rural	406	66.8%	730	57.9%	1,136	60.8%
	Highway	341	56.1%	610	48.4%	951	50.9%
	Other Road	267	43.9%	651	51.6%	918	49.1%
	Tribal Land	111	18.3%	88	7.0%	199	10.6%
Geometry	Intersection Related	59	9.7%	197	15.6%	256	13.7%
	Lane Departure	358	58.9%	747	59.2%	1,105	59.1%
	Work Zone	5	0.8%	23	1.8%	28	1.5%
Person Type	Young Driver (13-24)	167	27.5%	417	33.1%	584	31.2%
	65 and Older	60	9.9%	97	7.7%	157	8.4%
	Pedalcyclist Involved	9	1.5%	35	2.8%	44	2.4%
	Pedestrian Involved	159	26.2%	160	12.7%	319	17.1%
Behavior	Aggressive Driver	21	3.5%	33	2.6%	54	2.9%
	Alcohol Involved	300	49.3%	424	33.6%	724	38.7%
	Distracted Driver	68	11.2%	236	18.7%	304	16.3%
	Drug Involved	98	16.1%	53	4.2%	151	8.1%
	Impaired Driver	258	42.4%	479	38.0%	737	39.4%
	Unhelmeted Motorcyclist	34	5.6%	86	6.8%	120	6.4%
	No Restraint Used	290	47.7%	434	34.4%	724	38.7%
	Sleepy or Fatigued	27	4.4%	78	6.2%	105	5.6%
	Speeding Involved	226	37.2%	566	44.9%	792	42.4%
Vehicle	Motorcycle Involved	65	10.7%	214	17.0%	279	14.9%
	Train Involved	1	0.2%	0	0.0%	1	0.1%
	Truck Involved	95	15.6%	142	11.3%	237	12.7%
	Multiple Vehicle	313	51.5%	550	43.6%	863	46.2%
Environmental	Dust Related (Windy)	1	0.2%	8	0.6%	9	0.5%
	Wildlife/Animal Involved	7	1.2%	43	3.4%	50	2.7%
	Wet Weather	28	4.6%	67	5.3%	95	5.1%
	Dusk/ Dawn	0	0.0%	0	0.0%	0	0.0%
	Dark - No Light	608	100.0%	1,261	100.0%	1,869	100.0%



Notes:

- 1) The percentages shown in the table reflect the percent of Dark (No Light) crashes that also exhibit the characteristics being summarized.
- 2) Urban versus Rural designation of crash occurrence is based on the 2010 U.S. Census designation of urbanized areas.
- Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

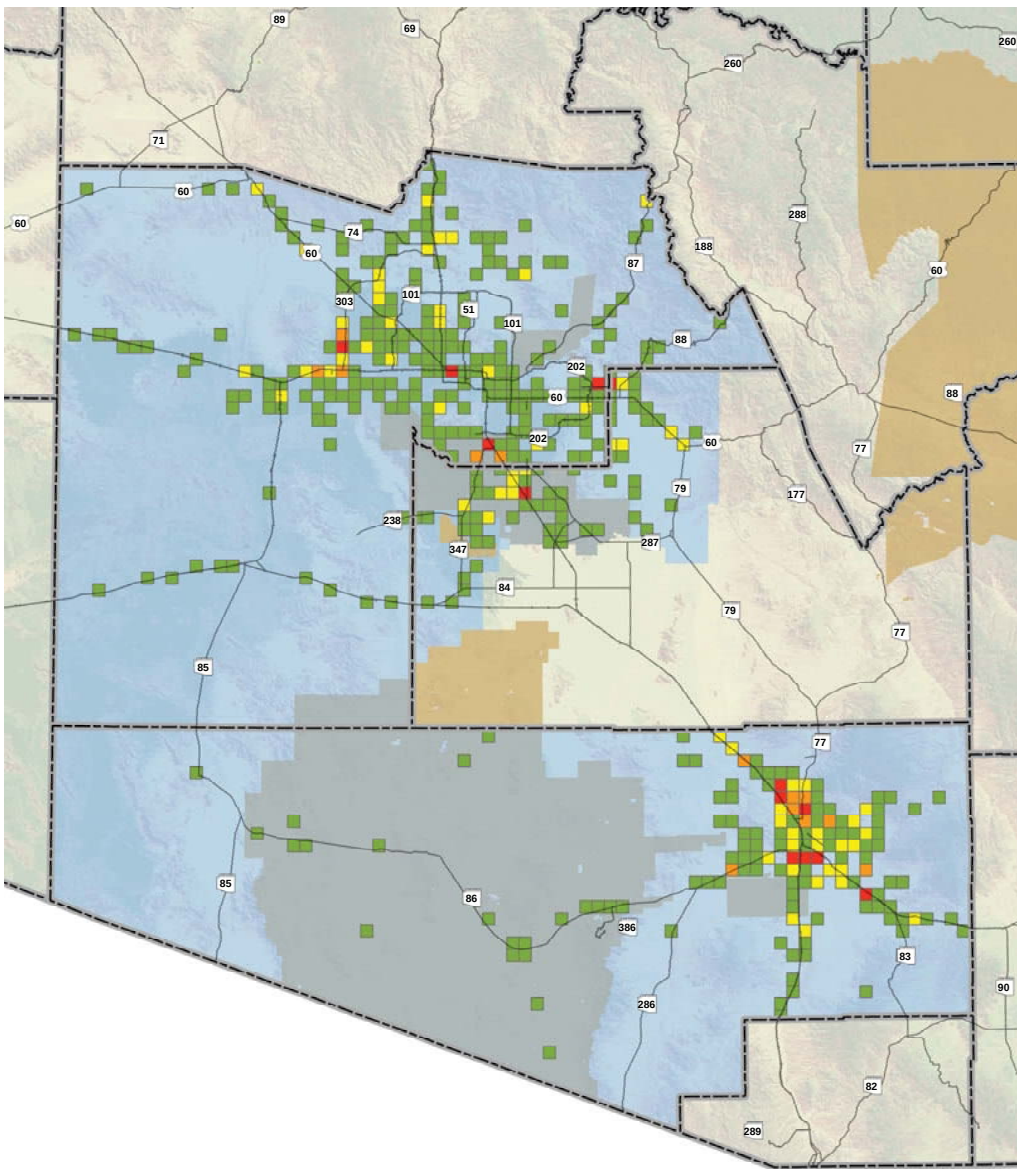
■ Fatal ■ Incapacitating Injury

Note: The graphs illustrate the number of Dark (No Light) crashes that also involved the graphed characteristic.

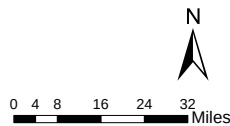
Arizona Strategic Highway Safety Plan

Dark (No Light) Crash Distribution | 2005-2012

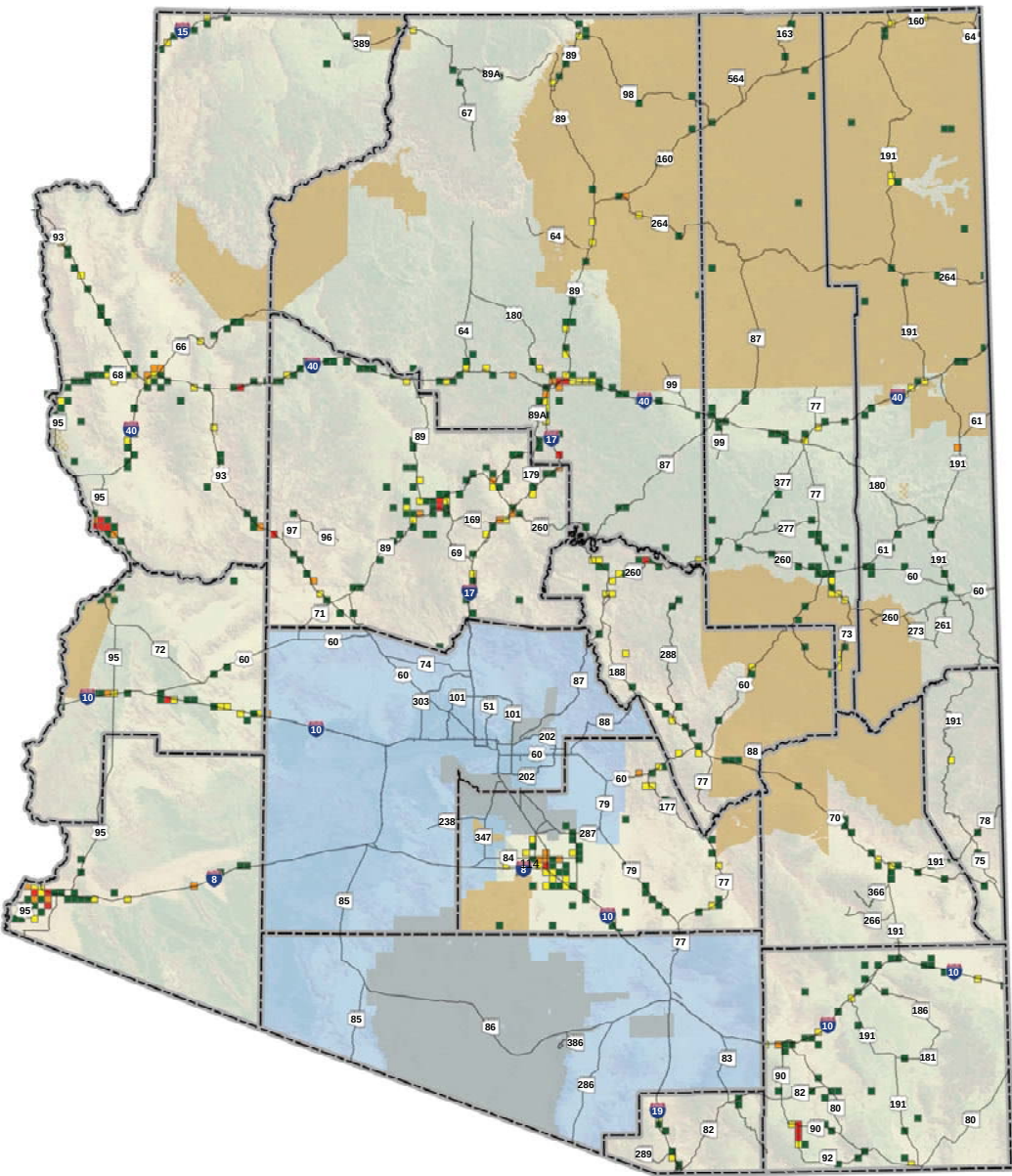
Density of Crashes in MAG/PAG TMA Regions



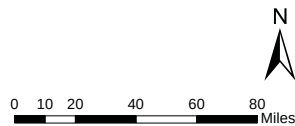
Crash Count per 5-square-mile Area
(Distribution Percentile)



Density of Crashes in non-TMA Regions



Crash Count per 5-square-mile Area
(Distribution Percentile)



Notes:
1) Crash statistics include all fatal and incapacitating injury crash incidents occurring between January 1, 2005 and December 31, 2012.
2) Transportation Management Areas (TMAs) currently exist in the Maricopa Association of Governments (MAG) Region and Pima Association of Governments (PAG) Region.
Source: 2005-2012 Accident Location Identification and Surveillance Systems (ALISS) database, received July 2013. Information presented in this publication may be based on preliminary data and as such differ slightly from previous or future crash summaries.

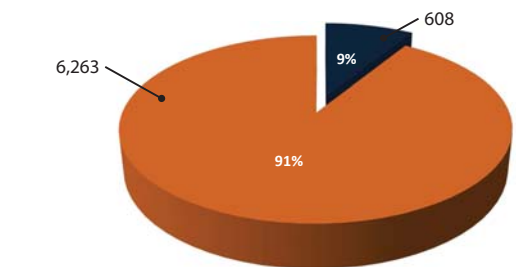
Total Dark (No Light) Serious Crashes
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	0	0
2006	0	0
2007	0	0
2008	0	0
2009	150	366
2010	147	324
2011	163	274
2012	148	297
Total	608	1,261

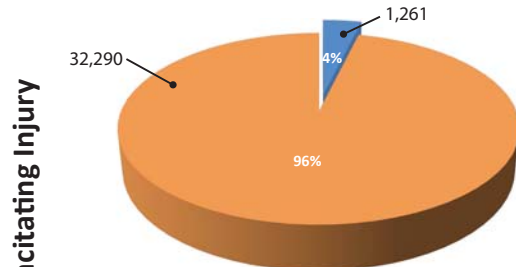
Total Crashes in Arizona
by Year 2005-2012

Year	Fatal	Incapacitating Injury
2005	1,049	5,212
2006	1,126	4,934
2007	952	4,860
2008	843	4,133
2009	709	3,738
2010	695	3,576
2011	755	3,589
2012	742	3,509
Total	6,871	33,551

Dark (No Light) Crashes
Compared to Total Crashes in Arizona



Legend: Dark (No Light) Fatal Crashes (dark blue), Other Fatal Crashes in Arizona (orange)



Legend: Dark (No Light) Incapacitating Injury Crashes (dark blue), Other Incapacitating Crashes in Arizona (orange)