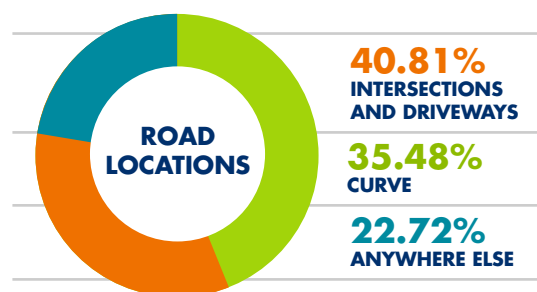


## CONTRIBUTING FACTORS CONTINUED

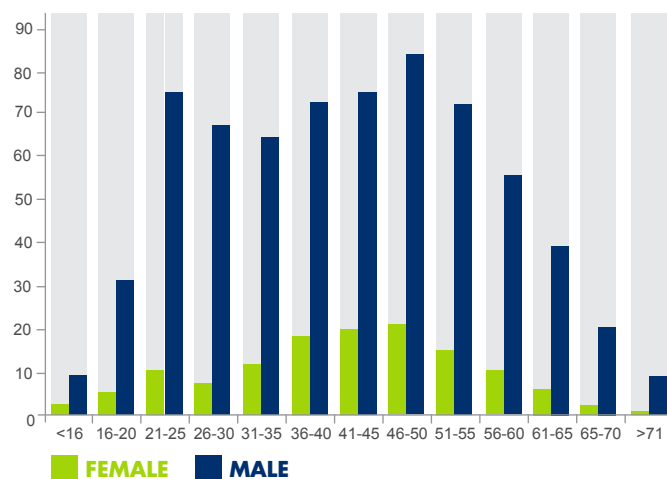
Motorcycle operator/passenger deaths and serious injuries mainly happened at intersections and driveways (40 percent) and at curves (36 percent).

**MOTORCYCLE-RELATED DEATHS AND SERIOUS INJURIES BY ROAD LOCATION**

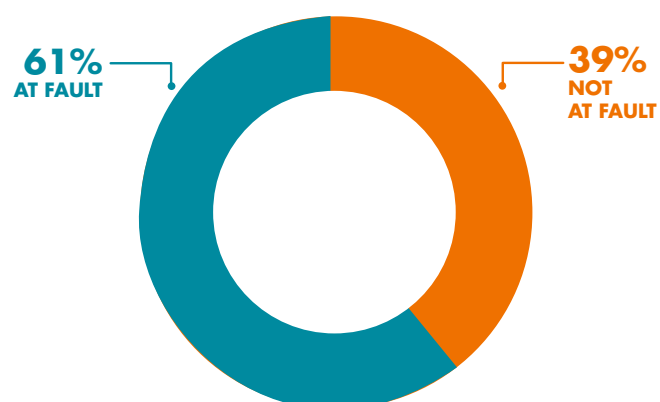


Sixty-one percent of motorcycle deaths and serious injuries were due to crashes in which the motorcycle operator was at fault. The highest number of at fault crashes resulting in deaths and serious injuries involved males between the ages of 41 and 50. Males 21 to 25 years also had high numbers for these types of crashes.

**MOTORCYCLE OPERATOR/PASSENGER DEATHS AND SERIOUS INJURIES BY AT FAULT AGE AND GENDER**



**MOTORCYCLE OPERATOR/PASSENGER DEATHS AND SERIOUS INJURIES BY MOTORCYCLE AT FAULT**



Nearly 66 percent of all motorcycle operator and passenger deaths and serious injuries involved crashes where helmets were not used. Approximately one-third of the deaths and serious injuries were due to roadway departure and one-third were intersection-related. A little over 24 percent involved speed and nearly 20 percent involved alcohol.

**MOTORCYCLE-RELATED OPERATOR/PASSENGERS DEATHS AND SERIOUS INJURIES BY RELATED SHSP EMPHASIS AREAS BY OPERATOR AGE AND GENDER**



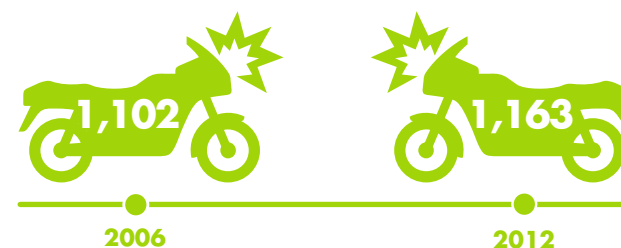
Note: All data from 2008-2012, except Overview section

## MOTORCYCLE DATA FACT SHEET

### OVERVIEW OF MOTORCYCLE-RELATED CRASHES

Between 2006 and 2012, 1,218 motorcycle operators and passengers died and 8,221 were seriously injured in motorcycle-related crashes.

Since Ohio's first SHSP was adopted in 2006, serious injuries increased 5 percent, and deaths increased 4 percent.

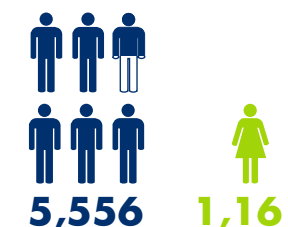


Motorcycle deaths and serious injuries accounted for 16 percent of Ohio's deaths and 12 percent of serious injuries.

### WHO WAS INVOLVED IN CRASHES

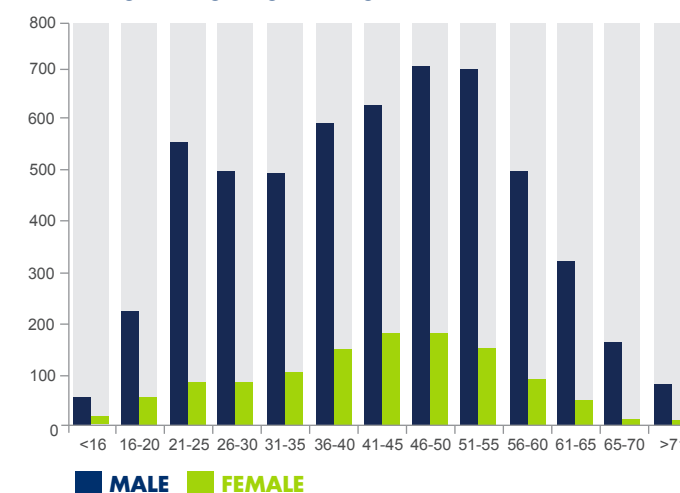
Male operators and passengers were more likely to be seriously injured or killed in a traffic crash.

Male operators/passengers accounted for 5,556 deaths and serious injuries. Female operators/passengers accounted for 1,161.



The highest number of deaths and serious injuries involved operators and passengers between the ages of 46 and 55.

**MOTORCYCLE-RELATED DEATHS AND SERIOUS INJURIES BY OPERATOR AGE AND GENDER**

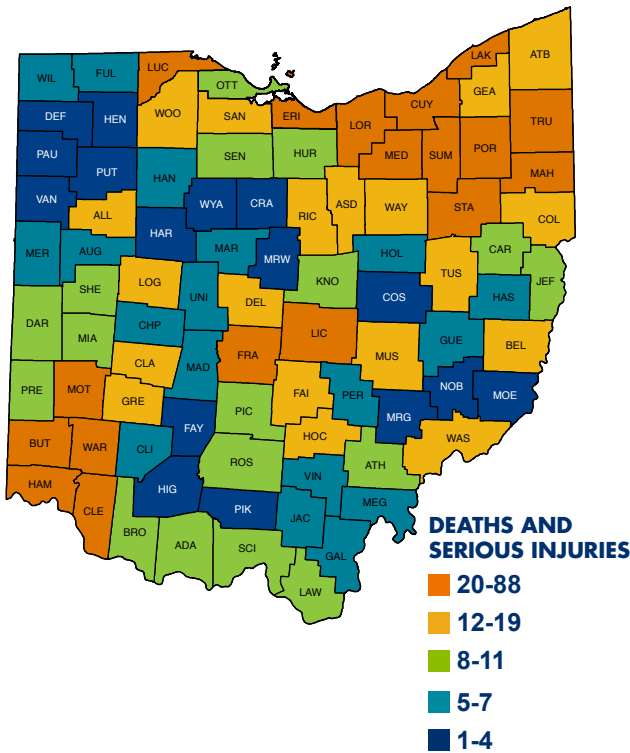


Note: All data from 2008-2012, except Overview section

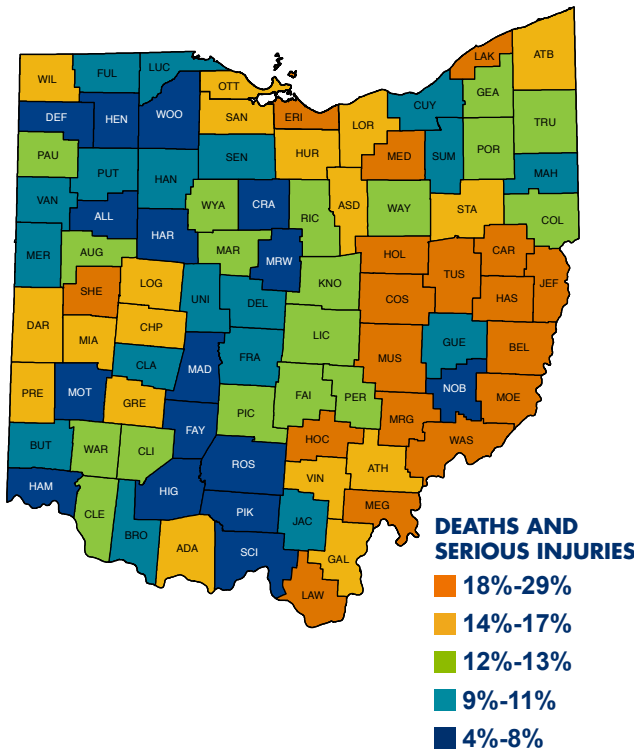
## WHERE CRASHES OCCURRED

These maps rank Ohio counties by the number of deaths and serious injuries that involved motorcycle operators and passengers. Warm colors indicate more crashes relative to cool colors. **Most urbanized counties had a higher total number of fatal and serious injury crashes associated with motorcycles. However, many rural counties had a higher percentage of motorcycle operator/passenger deaths and serious injury crashes when compared to the total number of serious crashes occurring within the county each year.**

**MOTORCYCLE-RELATED DEATHS AND SERIOUS INJURIES BY COUNTY TOTAL**



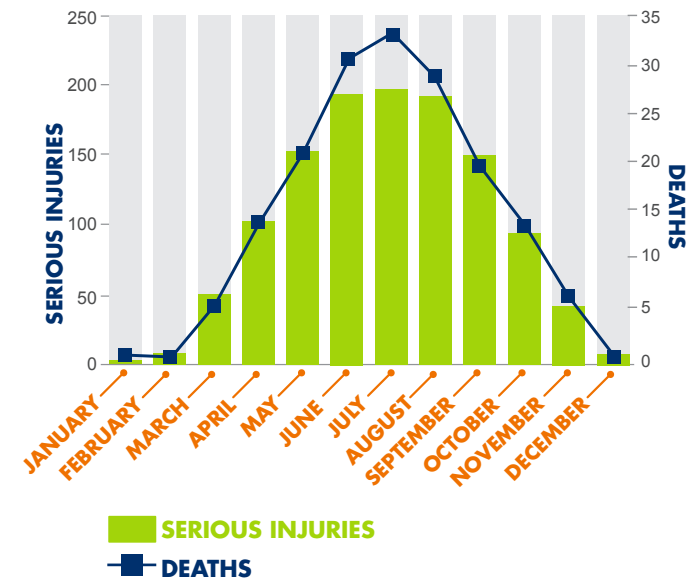
**MOTORCYCLE-RELATED DEATHS AND SERIOUS INJURIES BY PERCENTAGE OF COUNTY CRASHES**



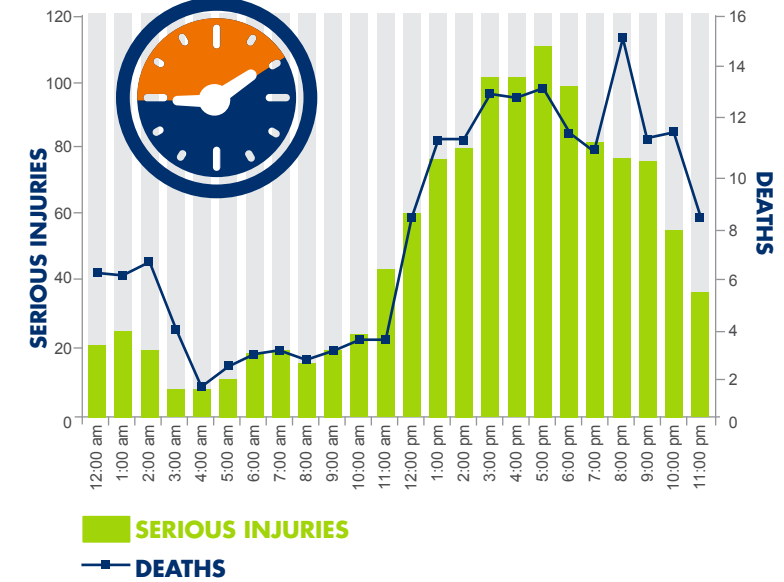
## WHEN CRASHES OCCURRED

The majority of motorcycle operator/passenger deaths and serious injuries occurred during the summer months from June to August when the weather was warmer and between the hours of 3-5 p.m., with a notable spike in deaths at 8 p.m.

**MOTORCYCLE-RELATED DEATHS AND SERIOUS INJURIES BY MONTH**



**MOTORCYCLE-RELATED DEATHS AND SERIOUS INJURIES BY TIME OF DAY**

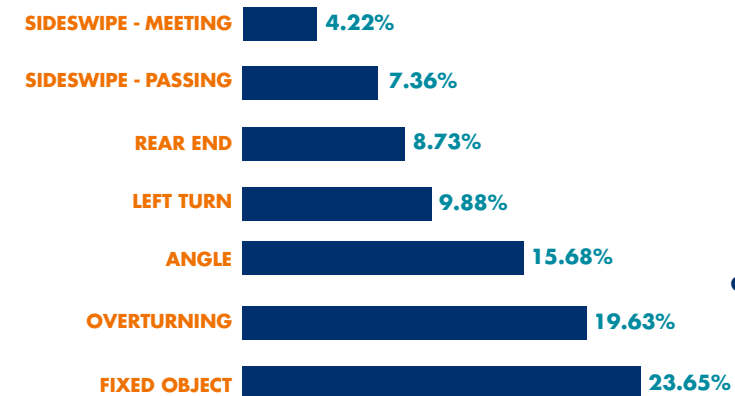


## CONTRIBUTING FACTORS

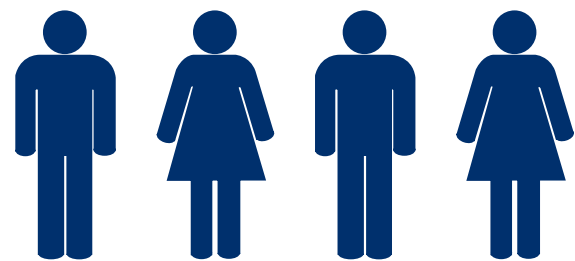
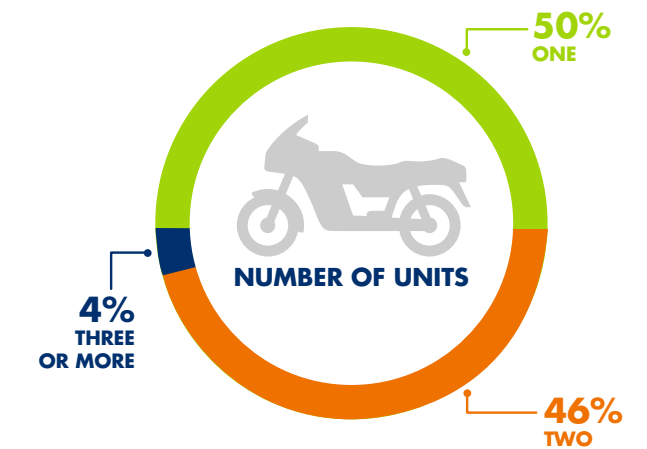
Approximately 24 percent of motorcycle operator/passenger deaths and serious injuries involved a crash with a fixed object on the side of the road. Almost 20 percent were injured or killed by over-turning the motorcycle.

Half of all motorcycle operator and passenger deaths and serious injuries occurred in single-vehicle crashes where the motorcycle was the only vehicle involved.

**MOTORCYCLE OPERATOR/PASSENGERS DEATHS AND SERIOUS INJURIES BY CRASH TYPE**



**MOTORCYCLE OPERATOR/PASSENGERS DEATHS AND SERIOUS INJURIES BY NUMBER OF UNITS**



**AN AVERAGE OF 4 MOTORCYCLE OPERATORS OR PASSENGERS DIED OR WERE SERIOUSLY INJURED EACH DAY.**

Note: All data from 2008-2012, except Overview section

Note: All data from 2008-2012, except Overview section