



September 2016
Issue

TRAUMA & HIGHWAY *focus*

Motorcycle Traffic Crashes and Helmet Use



2,068

Motorcyclists sustained traumatic injury

51.4%

Were wearing a helmet

38

Motorcyclist deaths while not wearing a helmet

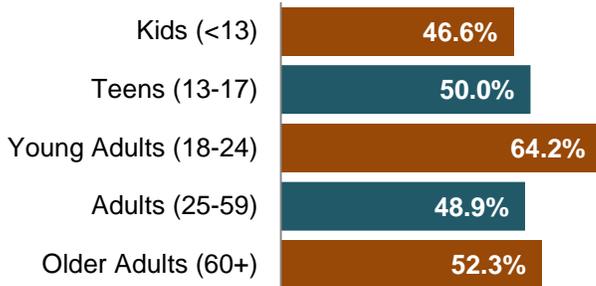
Table 1. Helmet Use Impact on Trauma

	Death	Major Trauma *	Head and Face Injury	Median Charges
Helmet Used	2.5%	14.9%	5.8%	\$34,264
No Helmet Used	3.9%	19.0%	24.5%	\$38,687

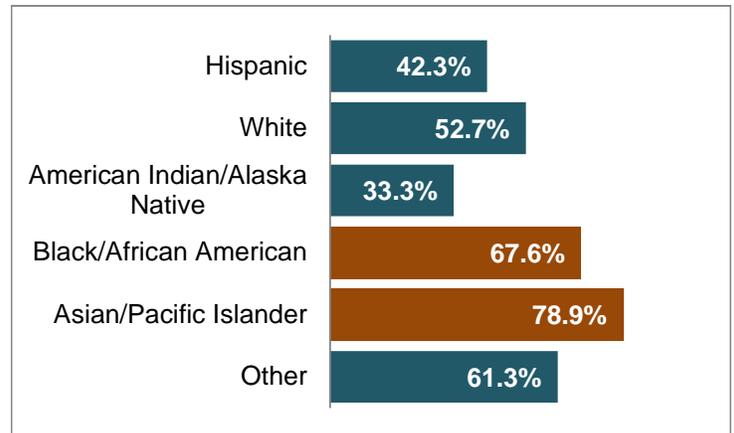
Wear Your Helmet
Helmet use was associated with decreased trauma severity, deaths, head and face injury, and lower hospital charges (Table 1).

*Major trauma is defined as having an Injury Severity Score greater than 15

Helmet Use by Age



Helmet use among Young Adults and Older Adults are above the 51.4% trauma registry statewide average. Children <13 years had the lowest use (46.6%).



American Indians/Alaska Natives had the lowest proportion, and Asian/Pacific Islanders had the highest proportion of helmet use at the time of the crash.

Fast Facts from the Center for Disease Control and Prevention

- Motorcycle helmets reduce the risk of death by 37%
- Motorcycle helmets reduce the risk of head injury by 69%

Data source: Arizona State Trauma registry, 2014, Bureau of EMS and Trauma, Arizona Department of Health Services,



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