

# FAST FACTS

## Motor Vehicle Crash Injuries Among Occupants Ages 0–12 in 2019



This Fast Facts focuses on children 0–12 years of age in the U.S. in 2019 who were unintentionally injured as occupants in motor vehicle crashes (MVC).

### Magnitude of MVC Injuries Among Occupants Ages 0–12<sup>1,2</sup>

<p><b>Deaths in 2019</b></p> <p style="font-size: 2em; color: green;">646</p> <p><b>Hospitalizations in 2019</b></p> <p style="font-size: 2em; color: blue;">6,128</p> <p><b>Emergency Room (ER) visits in 2019</b></p> <p style="font-size: 2em; color: red;">95,237</p>	<p>In 2019, MVC injuries among occupants ages 0–12 resulted in:</p> <p style="font-size: 2em; color: green;">12 <b>deaths per week</b></p> <p style="font-size: 2em; color: blue;">118 <b>hospitalizations per week</b></p> <p style="font-size: 2em; color: red;">1,831 <b>ER visits per week</b></p>	<p>The death rate decreased by 44 percent from 2005–2019.</p> <table border="1"> <caption>Death Rate per 100,000 (2005-2019)</caption> <thead> <tr> <th>Year</th> <th>Rate</th> </tr> </thead> <tbody> <tr><td>2005</td><td>2.21</td></tr> <tr><td>2007</td><td>1.50</td></tr> <tr><td>2009</td><td>1.40</td></tr> <tr><td>2011</td><td>1.30</td></tr> <tr><td>2013</td><td>1.25</td></tr> <tr><td>2015</td><td>1.40</td></tr> <tr><td>2017</td><td>1.30</td></tr> <tr><td>2019</td><td>1.24</td></tr> </tbody> </table>	Year	Rate	2005	2.21	2007	1.50	2009	1.40	2011	1.30	2013	1.25	2015	1.40	2017	1.30	2019	1.24
Year	Rate																			
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### MVC Occupant Deaths by Age, Sex and Race/Ethnicity, \* 2019<sup>1</sup>

<p>Children ages 4–7 years were at greater risk of death.</p> <table border="1"> <caption>Death Rates by Age Group (per 100,000)</caption> <thead> <tr> <th>Age Group</th> <th>Rate</th> </tr> </thead> <tbody> <tr><td>0–3 years</td><td>1.18</td></tr> <tr><td>4–7 years</td><td>1.32</td></tr> <tr><td>8–12 years</td><td>1.21</td></tr> </tbody> </table>	Age Group	Rate	0–3 years	1.18	4–7 years	1.32	8–12 years	1.21	<p>Males made up slightly more than half of deaths.</p> <table border="1"> <caption>Gender Distribution of Deaths</caption> <thead> <tr> <th>Gender</th> <th>Percentage</th> </tr> </thead> <tbody> <tr><td>Males</td><td>52%</td></tr> <tr><td>Females</td><td>48%</td></tr> </tbody> </table>	Gender	Percentage	Males	52%	Females	48%	<p>American Indian/Alaska Native and Black/African American children were at greater risk of death.</p> <table border="1"> <caption>Death Rates by Race/Ethnicity (per 100,000)</caption> <thead> <tr> <th>Race/Ethnicity</th> <th>Rate</th> </tr> </thead> <tbody> <tr><td>Hispanic</td><td>1.07</td></tr> <tr><td>White</td><td>1.06</td></tr> <tr><td>Black/AA</td><td>2.17</td></tr> <tr><td>AI/AN</td><td>4.74</td></tr> <tr><td>Asian</td><td>0.35</td></tr> </tbody> </table> <p><small>*Race and ethnicity data are for years 2017-2018 as data for year 2019 were not yet available.</small></p>	Race/Ethnicity	Rate	Hispanic	1.07	White	1.06	Black/AA	2.17	AI/AN	4.74	Asian	0.35
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### MVC Occupant Deaths by Month, 2019<sup>1</sup>

Deaths were slightly more frequent from May through July.

Month	Number of Deaths
Jan	60
Feb	41
Mar	49
Apr	51
May	70
Jun	65
Jul	62
Aug	48
Sep	40
Oct	48
Nov	57
Dec	55

### MVC Occupant Deaths by Restraint Use, 2019<sup>1</sup>

More than 1 in 3 children who died as an occupant in a MVC were unrestrained.

Restraint Use	Percentage
Restrained*	37%
Unrestrained	53%
Unknown	10%

\*Available data do not indicate whether children were properly restrained.

## Cost of MVC Occupant Injuries, 2017 (the latest year for which cost data are available)<sup>3</sup>

### Medical costs in 2017

**\$969.35 million**

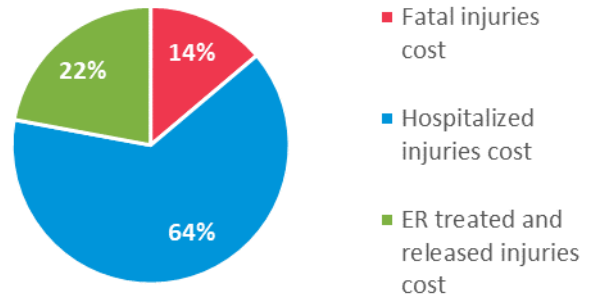
### Work-loss costs in 2017

**\$1.99 billion**

### Combined costs 2017

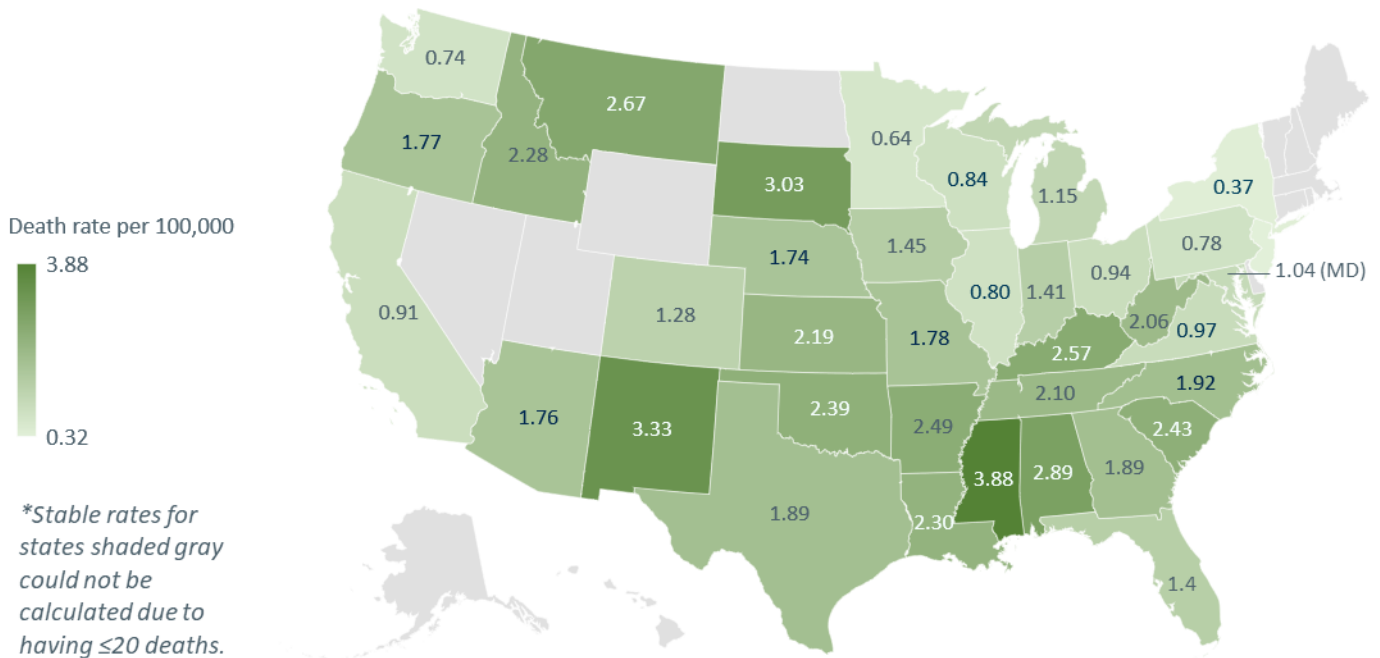
**\$2.96 billion**

Hospitalized injuries accounted for nearly two-thirds of the total costs of injuries.



## MVC Occupant Death Rate by State, 2015–2019<sup>\*1</sup>

The risk of death was greater in Mississippi, New Mexico and South Dakota.



## Notes and References

<sup>1</sup>Data on MVC occupant injuries and fatalities were retrieved from the National Highway Traffic Safety Administration (NHTSA) Fatality and Injury Reporting System Tool (FIRST) online query system. Rates per 100,000 were calculated using population data from the U.S. Census Bureau.

<sup>2</sup>Data on MVC occupant ER treated and released and hospitalized injuries were retrieved from the CDC Web-based Injury Statistics Query and Reporting System (WISQARS) Nonfatal Injury Reports, 2000-2019 online query system. These data include both MV traffic-related and non-MV traffic-related MVO injuries.

<sup>3</sup>Cost of MVC occupant injury data were calculated using 2017 data within the WISQARS Cost of Injury Reports application, which includes both traffic-related and non-traffic-related MVO incidents that were serious enough to require an ED visit. Total combined medical and work loss costs are likely underestimated, as WISQARS cost estimates do not include ED treatment costs for injured children who were hospitalized.