

FAST FACTS

Motor Vehicle Crash Injuries Among Occupants Ages 0–12 in 2018



This Fast Facts focuses on children ages 0–12 in the U.S. in 2018 who were unintentionally injured as occupants in motor vehicle crashes.

Magnitude of Motor Vehicle Crash (MVC) Injuries Among Occupants Ages 0–12^{1,2}

<p>Deaths in 2018</p> <p style="font-size: 2em; color: green;">678</p> <p>Hospitalizations in 2018</p> <p style="font-size: 2em; color: blue;">7,398</p> <p>Emergency Room (ER) visits in 2018</p> <p style="font-size: 2em; color: red;">100,156</p>	<p>In 2018, MVC injuries among occupants ages 0–12 resulted in:</p> <p style="font-size: 2em; color: green;">13 deaths per week</p> <p style="font-size: 2em; color: blue;">142 hospitalizations per week</p> <p style="font-size: 2em; color: red;">1,926 ER visits per week</p>	<p>The rate of MVC death among occupants ages 0–12 decreased by 46 percent from 2004–2018.</p> <table border="1"> <caption>MVC Death Rate per 100,000 (2004–2018)</caption> <thead> <tr> <th>Year</th> <th>Rate</th> </tr> </thead> <tbody> <tr><td>2004</td><td>2.40</td></tr> <tr><td>2006</td><td>2.00</td></tr> <tr><td>2008</td><td>1.50</td></tr> <tr><td>2010</td><td>1.30</td></tr> <tr><td>2012</td><td>1.30</td></tr> <tr><td>2014</td><td>1.30</td></tr> <tr><td>2016</td><td>1.40</td></tr> <tr><td>2018</td><td>1.29</td></tr> </tbody> </table>	Year	Rate	2004	2.40	2006	2.00	2008	1.50	2010	1.30	2012	1.30	2014	1.30	2016	1.40	2018	1.29
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Deaths by Age, 2018¹

Children ages 0–3 years were at slightly greater risk of MVC death as occupants.

Age Group	Rate per 100,000
0–3 years	1.38
4–7 years	1.28
8–12 years	1.21

Deaths by Gender, 2018¹

Boys and girls were at roughly equal risk of MVC death as occupants.

Gender	Percentage
Boys	51%
Girls	49%

Deaths by Race, 2018¹

American Indian/Alaska Native children ages 0–12 were at greater risk of MVC death as occupants.

Race	Rate per 100,000
Hispanic	1.07
White	1.06
Black/African...	2.17
AI/AN	4.74
Asian	0.35

**Based on 2017–2018 combined data.*

Deaths by Month, 2018¹

MVC deaths among occupants ages 0–12 were slightly more frequent during the summer months.

Month	Number of Deaths
Jan	53
Feb	46
Mar	57
Apr	60
May	59
Jun	67
Jul	66
Aug	61
Sep	46
Oct	56
Nov	51
Dec	56

Deaths by Restraint Use, 2018¹

1 in 3 occupants ages 0–12 who were killed in MVC were unrestrained at the time of the crash.

Restraint Use	Percentage
Restrained*	58%
Unrestrained	32%
Unknown	10%

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

Cost of MVC Injuries, 2017 (the latest year for which cost data are available)³

Medical costs in 2017

\$969.35 million

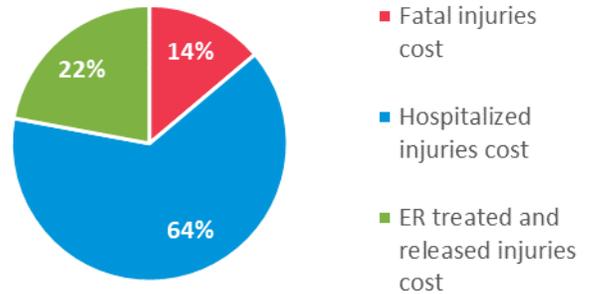
Work-loss costs in 2017

\$1.99 billion

Combined costs 2017

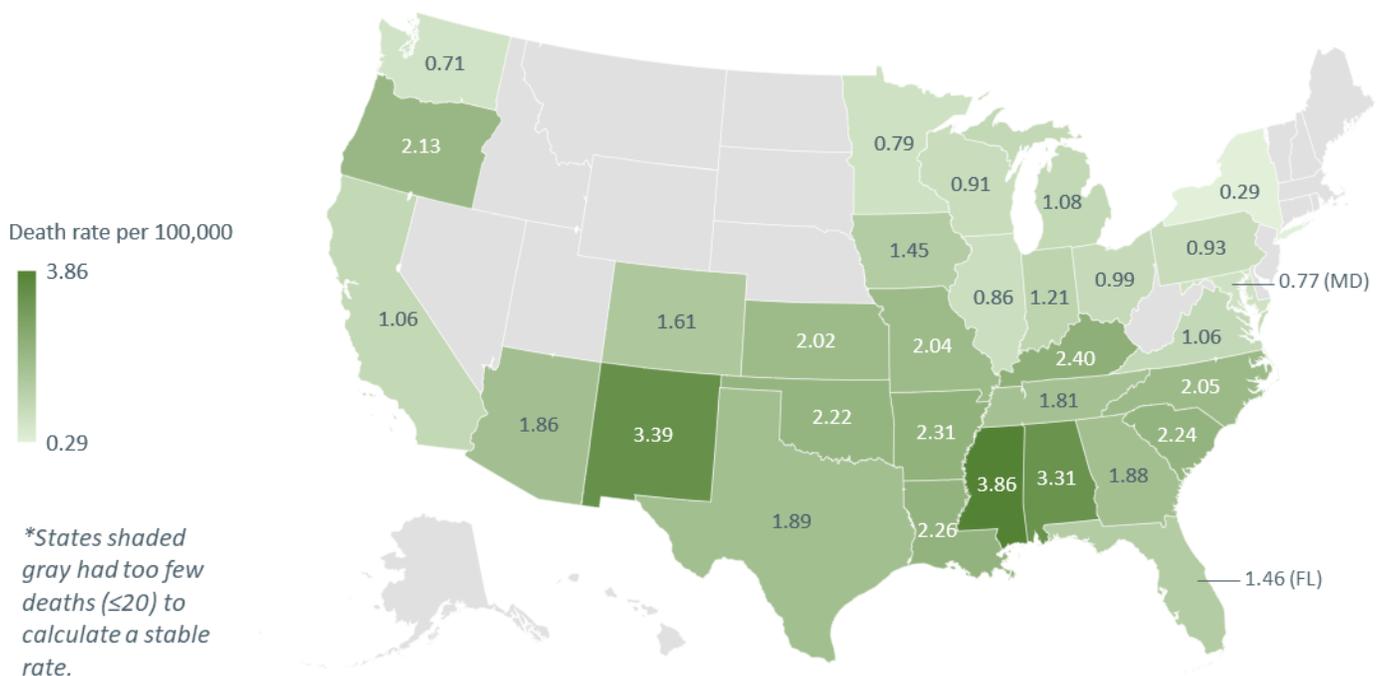
\$2.96 billion

Hospitalized injuries accounted for nearly two-thirds of the total costs of MVC injuries among occupants ages 0–12.



Rate of MVC Death by State, 2016–2018*¹

The risk of MVC death among occupants ages 0–12 was greater in Mississippi, New Mexico and Alabama.



Notes and References

¹Data on MVO 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.

²Data on ER treated and released and hospitalized injuries were retrieved from the CDC Web-based Injury Statistics Query and Reporting System (WISQARS) Nonfatal Injury Reports, 2000-2018 online query system. These data include both MV traffic-related and non-MV traffic-related MVO injuries.

³Cost of 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.