This Fast Facts focuses on children 13 to 19 years of age in the U.S. in 2019 who were unintentionally injured as occupants in motor vehicle crashes (MVC).

**Magnitude of Motor Vehicle Crash (MVC) Injuries Among Occupants Ages 13–19 in 2019**

<table>
<thead>
<tr>
<th>Deaths in 2019</th>
<th>2,078</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hospitalizations in 2019</td>
<td>17,191</td>
</tr>
<tr>
<td>Emergency Room (ER) Visits in 2019</td>
<td>213,877</td>
</tr>
</tbody>
</table>

**In 2019, MVC injuries among occupants ages 13 to 19 resulted in:**
- 40 deaths per week
- 331 hospitalizations per week
- 4,113 ER visits per week

**The rate of MVC death among occupants ages 13 to 19 decreased by 56 percent from 2005–2019.**

**MVC Occupant Deaths Among Children Ages 13 to 19 Years by Age, Sex and Race,* 2019**

- Children ages 16 to 19 were nearly 4 times greater risk of death.
- Males made up more than 6 in 10 deaths.
- White children were at greater risk of death.

**MVO occupant deaths among children ages 13 to 19 years were slightly more frequent in May and June.**

**Nearly half of children ages 13 to 19 years who died as an occupant in a MVC were unrestrained.**

*Race and ethnicity data are for year 2018 as data for year 2019 were not yet available.
Cost of MVC Occupant Injuries, 2019

**Fatal Injury Costs in 2019**

$13.38 billion

**Nonfatal Injury Costs in 2019**

$31.89 billion

**Combined Costs 2019**

$45.27 billion

Life quality loss costs accounted for more than half of combined costs among MVC occupants ages 13 to 19 years.

The risk of MVC death among occupants ages 13 to 19 years was greater in Wyoming and Montana.

Notes and References

1. Data on MVC 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. Accessed November 30, 2021.

2. Data 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, 2000-2019 online query system. These data include both MV traffic-related and non-MV traffic-related MVC injuries. Accessed November 30, 2021.

3. Cost of injury data were calculated using 2019 data within the WISQARS Cost of Injury Reports application, which includes both traffic-related and non-traffic-related MVC 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. The 2019 cost of injuries is more than 6 times as high as comparable estimate in 2013 because of the including the cost of diminished quality of life and mortality cost based on value of statistical life, which was used in the previous estimate. Accessed December 2021.

Last updated December 2021.