

From the **HDOT Strategic Highway Safety Plan**

Getting struck at 20 mph by a vehicle, 9 out of 10 pedestrians survive or 1 death

Getting struck at 30 mph by a vehicle, 5 out of 10 pedestrians survive or 5 death

Getting struck at 40 mph by a vehicle, 1 out of 10 pedestrians survive or 9 deaths.



According to the National Highway Traffic Safety Administration (NHTSA), Hawaii ranks the fifth highest in proportion of speed-related fatal crashes. While there are more drivers recorded as speeding at the time of the crash on Oahu, the rate per 10,000 licensed drivers is highest in Hawaii County (3.7 vs. 1.9 on Oahu, 2.2 on Kauai and 3.3 on Maui). Data from the Fatality Analysis

Why Speed Matters

Field of vision at 15 MPH Field of vision at 30 MPH

A driver's field of vision increases as speed decreases. At lower speeds, drivers can see more of their surroundings and have more time to see and react to potential hazards.

HIT BY A VEHICLE TRAVELING AT:	HIT BY A VEHICLE TRAVELING AT:	HIT BY A VEHICLE TRAVELING AT:
20 MPH	30 MPH	40 MPH
9 out of 10 pedestrians survive	5 out of 10 pedestrians survive	Only 1 out of 10 pedestrians survives

Speed is especially lethal for vulnerable users like pedestrians and people biking. The risk of injury and death increases as speed increases.

From the **Institute of Transportation Engineers (ITE)**

Note: Percentages are the same but ITE uses "death and severe injury" vs HDOT uses "death".

