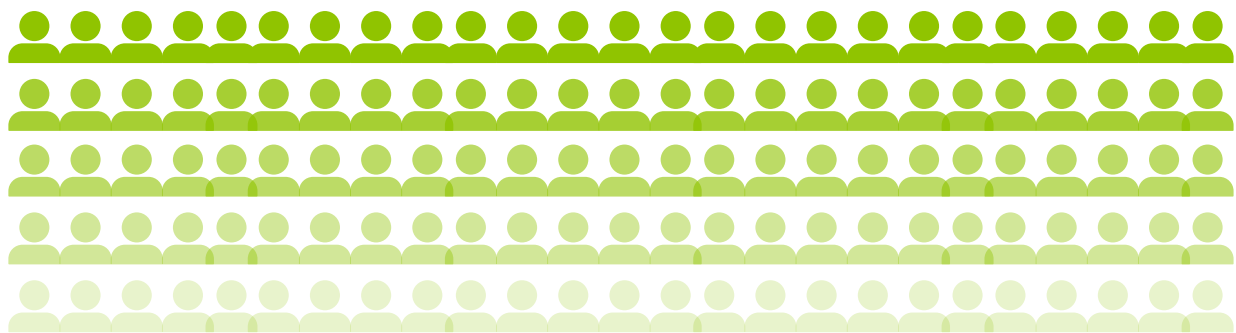
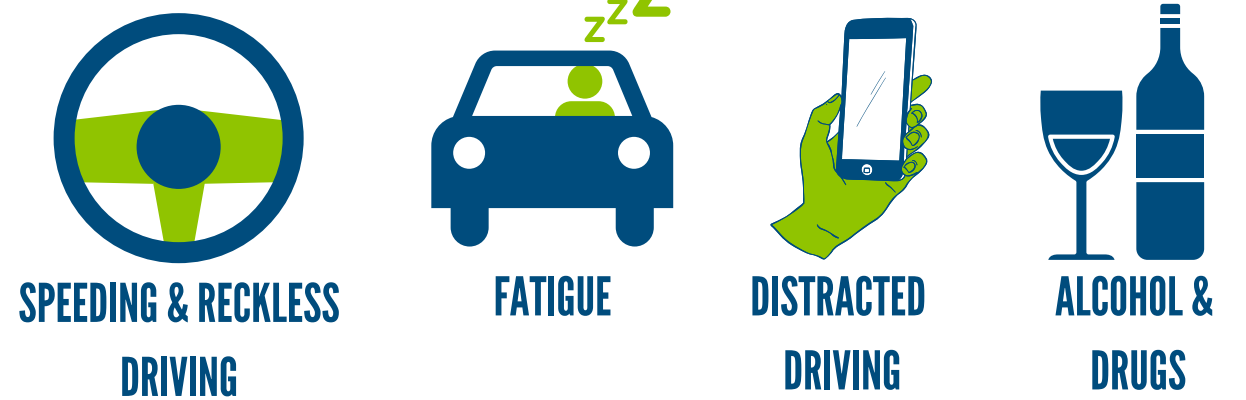


AUTONOMOUS VEHICLES & PEDESTRIANS

In 2022, over 7,500 pedestrians died in vehicle crashes in the U.S. That's a 77% increase from 2010. In the same period, other types of traffic fatalities increased by 25%.



Over 90% of motor vehicle crashes are caused by human error



Programmed as model drivers and equipped with advanced sensors and 360-degree views, AVs do not drive distracted, drunk, drowsy or recklessly.

Autonomous vehicles (AVs) can improve safety for pedestrians on our roads and in our neighborhoods.

Most pedestrian deaths occur in urban areas, at non-intersections, and at night. AVs are specifically developed and tested to identify and safely respond to pedestrians:

- Recognizing pedestrians: AVs are developed to specifically detect pedestrians, recognize their habits, and then predict and safely respond to their unique behaviors like indecision at crosswalks, an individual breaking away from a crowd or getting out of a vehicle, joggers, jaywalking and more.
- No blindspots: Sensors with 360° views allow AVs to reliably detect pedestrians approaching, near and ahead of the vehicle.
- Superior vision: The combination of lidar, radar, and cameras allows AVs to detect pedestrians, day and night, and in different weather conditions.
- Extensive testing: In simulation and on test tracks, AVs are exposed to a wide variety of pedestrian scenarios.
- Model drivers: AVs are designed to proceed cautiously, especially when it comes to navigating near pedestrians.



An AV detects a pedestrian in a crosswalk along with other pedestrians on the sidewalks

AVs are known as "Level 4 and 5" vehicles that handle the entire driving task. AVs are not the same as driver-assist tech.



Driver-Assist

Requires a licensed, attentive human driver behind the wheel at all times to monitor and take over driving immediately if needed.

Examples include lane-keeping assistance, automatic emergency braking, adaptive cruise control & driving modes like Tesla's Autopilot.



Autonomous Vehicles (AVs)

The AV performs the entire driving task. People in the AV are passengers.

Before driving autonomously on public roads, AVs undergo rigorous development and testing in computer simulation, on test tracks, and with trained safety drivers on public roads.