



Advanced Technology and Older Drivers

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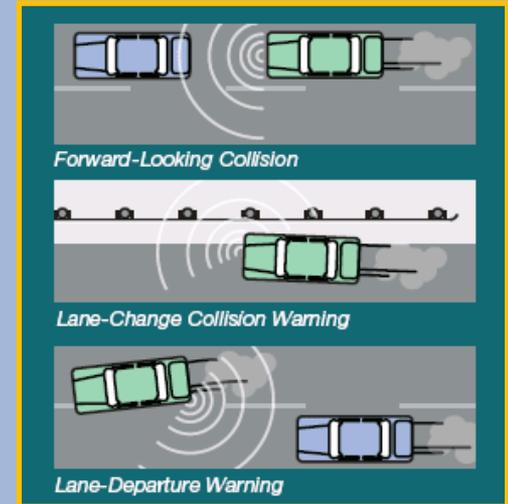


Background

- **The presence and use of advanced technology in vehicles continues to increase:**
 - **Original manufacturer**
 - **Nomadic**
- **The US population is aging and more people are beginning to experience functional declines that can impact safe driving**
- **Advanced technologies have the potential to increase safety and quality of life for older adults.**

Technology

- There are several types of technology already available.
 - Route Guidance
 - Night Vision Enhancement
 - Crash Warning
 - Automatic Crash Notification



Research Findings

- **Older drivers like advanced technologies.**
- **Older drivers use these technologies as much as drivers of other ages, in some cases more often.**
- **Older drivers report that many of these technologies make them feel more confident and less stressed while driving.**
- **Older drivers report more difficulty understanding symbols and warnings than younger people.**
- **Older drivers report more difficulty using advanced technology.**
- **Older drivers would not purchase technology labeled for “old people.”**

Research Findings

- **Advanced Technology:**
 - Needs to be affordable;
 - Needs to be easy to use (intuitive);
 - Should enhance safety;
 - Should not increase distraction in the long term;
- **The technology should recognize and accommodate how older adults drive and self regulate:**
 - e.g, co-driving.
- **Older drivers take longer to learn how to operate/use advanced technologies.**