

OCTOBER 27 2016







Role of New Car
Assessment
Program (NCAP) in
Educating
Consumers About
Vehicle Safety

Presented by Jennifer Dang (Chief of NCAP) and Susan McMeen (Director of Consumer Information) October 27, 2016





What is NCAP?

- Established in 1978 by NHTSA
- A consumer information program that aims to improve motor vehicle safety by:
 - Providing meaningful and timely comparative safety information for new vehicle purchasers
 - Encouraging manufacturers to voluntarily improve the safety of their vehicles through market forces
- Provides safety ratings information on approximately 85 percent of the new model year vehicle fleet







Current NCAP



Frontal Crash Test



Side Crash Tests

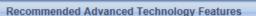




Rollover Tests







Rearview Video Systems: Standard 🗸



Forward Collision Warning: Optional 🗹

View Video 🚉



Lane Departure Warning: Optional 🗹

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View Video 🚉



Past Four Decades of Market Response to NCAP

Full Frontal Impact: Percent of Vehicles with 4- and 5-Star Ratings (Old NCAP)					
<u>Model Year</u>	<u>Driver</u>	Front Passenger			
1979	30%	43%			
2010	99%	99%			
Side Impact Barrier: Percent of Vehicles with 4- and 5-Star Ratings (Old NCAP)					
<u>Model Year</u>	<u>Driver</u>	Rear Passenger			
1997	24%	20%			
2010	97%	95%			
Percent of Vehicles with 4- and 5-Star Ratings (Current NCAP)					
<u>Model Year</u>	Full Frontal Impact		Side Impact Barrier		Side Impact Pole
	<u>Driver</u>	Front Passenger	<u>Driver</u>	Rear Passenger	<u>Driver</u>
2011	79%	66%	85%	78%	83%
2014	89%	81%	95%	95%	91%
2016	98%	93%	97%	97%	97%

Note: The percent numbers are based on vehicles rated by NCAP

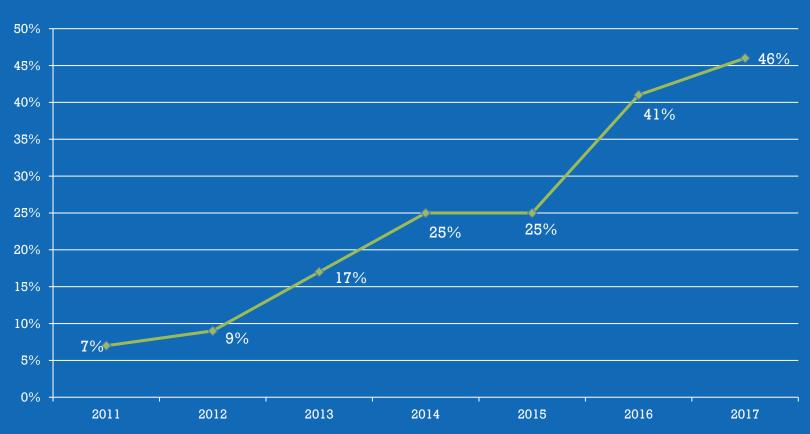




Percentage of Trim Lines Offered LDW and Passed NCAP Performance Test Criteria

Lane Departure Warning Systems (LDW)



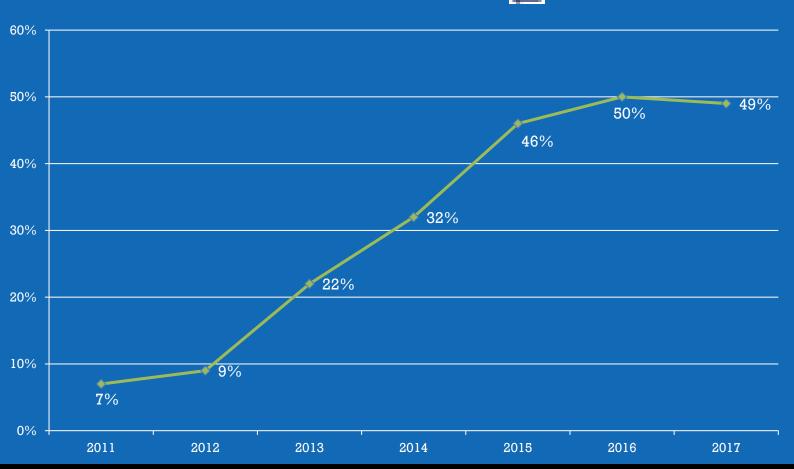






Percentage of Trim Lines Offered FCW and Passed NCAP Performance Test Criteria

Forward Collision Warning Systems (FCW) : MY 2011-2017

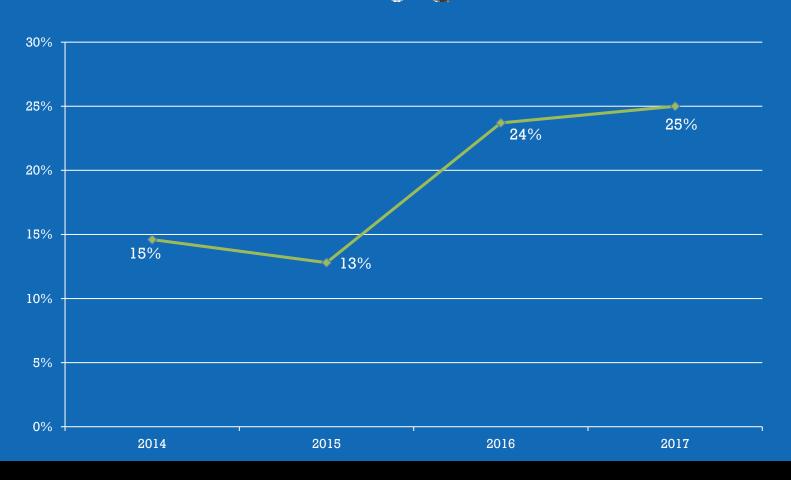






Percentage of Trim Lines Offered RVS and Passed NCAP Performance Test Criteria

Rearview Video Systems (RVS) 🗷 🌉 : MY 2014-2017



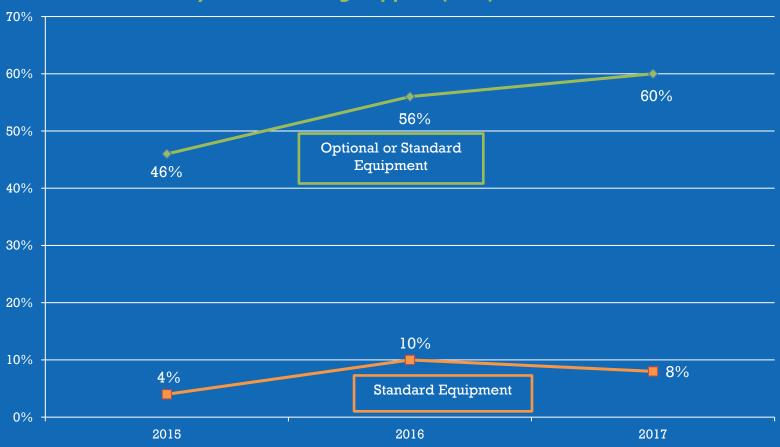




Percentage of Trim Lines Offered CIB, DBS, or both

Crash Imminent Braking (CIB) Systems: MY 2015-2017

Dynamic Braking Support (DBS): MY 2015-2017







NCAP Success and Goal

<u>Success</u>

- Manufacturers respond to our crash test programs by designing vehicles to achieve 4- and 5-star ratings at a much faster pace than ever before
 - Full frontal impact test (old NCAP) more than 2 decades
 - Side impact barrier test (old NCAP) about 10 years
 - Last upgrade (current NCAP) less than 4 years
- Steady increases of vehicles with advanced technologies that are recommended by our current program

<u>Goal</u>

Encourage continuous advancement of vehicle safety





Planned NCAP Upgrades

Crashworthiness Rating

Overall Vehicle Score

Crashworthiness

Pedestrian









Promoting the CURRENT 5-Star Safety Ratings Program - To Date

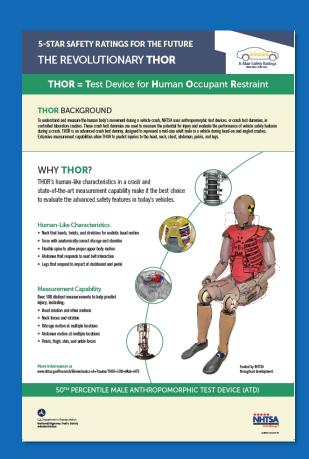
- Online and social media campaign
- Videos: Lane Departure Warning, Forward Collision Warning, AEB, and Rearview Video Systems
- Online automotive sites and vehicle-focused organizations
- Auto Shows
- OEM advertising guidelines
- Dealer tool kits





Communicating the NEW 5-Star Safety Ratings Program – Coming Soon

- Videos to demonstrate new technologies, dummies, and crash tests
- Online automotive sites and vehicle-focused organizations
- Online and social media campaign
- Dealer tool kits
- Auto shows
- Webinars
- Press Event



NHTSA