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Safety Council's Mission

• To educate and influence people to prevent accidental injury and death!



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Philosophy on Safety

"If we think [the people] are not enlightened enough to exercise their control with a wholesome discretion, the remedy is not to take it from them, but to inform their discretion."

Thomas Jefferson



Check this out!



- Since 1970 our highway systems have grown 6%
- Since 1970 the number of drivers in the U.S. has increased by 64%

Time Is?



<u>D.C. Traffic Creeps Toward Nation's Worst</u> <u>Area Drivers Spend Almost 69 Hours in Gridlock a</u> <u>Year</u>

Washington Post

Does this impact our assessment of Driving Risks?



How often do we think of this?



Crash Facts

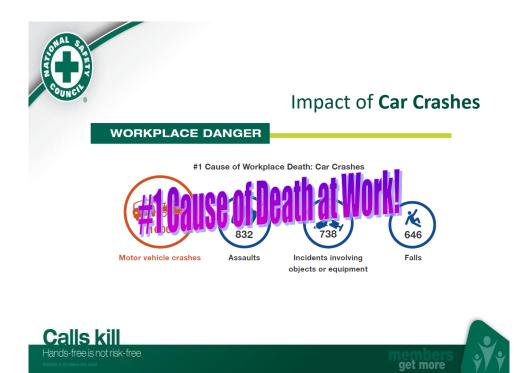
- 2016 37,461 103 / day
- 2015 35,092 96 / day
- 7.2 million fatal, injury & PDO
- Light Truck fatalities 10,302
 Injury Crashes 1,071,000

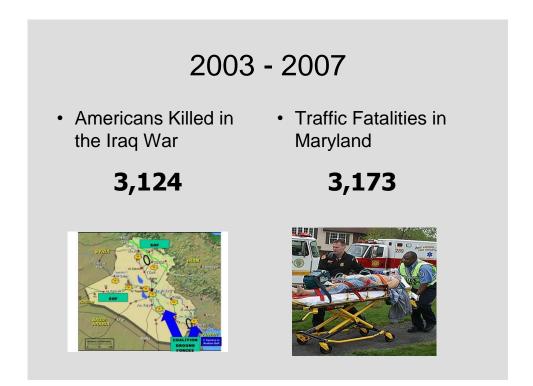






NHTSA Data





Trying to cause a panic?

 A sudden overpowering or groundless fright; terror inspired by a trifling cause or a misapprehension of danger.



Change in Risk Perception

- Perception of risk is often very different than actual risk
- Risk perception = Actual risk + Outrage (Fear)

Numbers or statistics are often the least important factor in determining risk



Primary Driving Tasks

- Steering
- Acceleration
- Braking
- Speed Choice
- Lane Choice
- Maneuvering in Traffic
- Navigation to Destination
- Scanning for Hazards





Critical Risk Factors

- Occupant Protection
- Alcohol
- Speeding
- Distracted Driving



What is distracted driving?

 A diversion of attention from driving, because the driver is temporarily focusing on an object, person, task, or event not related to driving, which reduces the drivers awareness, decision making, and/or performance leading to an increased risk of corrective actions, near crashes or crashes.



Types of Distractions

- <u>Visual distraction</u>: Tasks that require the driver to look away from the roadway to visually obtain information.
- <u>Manual distraction</u>: Tasks that require the driver to take one hand off the steering wheel and manipulate a device.
- <u>Cognitive distraction</u>: The mental workload associated with a task that involves thinking about something other than driving (NHTSA, 2010).



Poll of 2800 Drivers

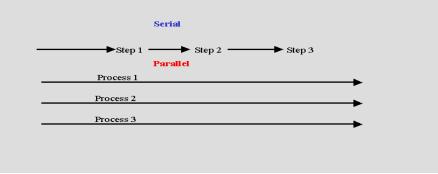
- 86% Ate or Drank
- 44% Drove While Feeling Drowsy
- 25% Drove After 2 or More Drinks
- 41% Set or Changed GPS
- 37% Sent or Read Texts
- 20% Combed Hair
- 14% Applied Makeup

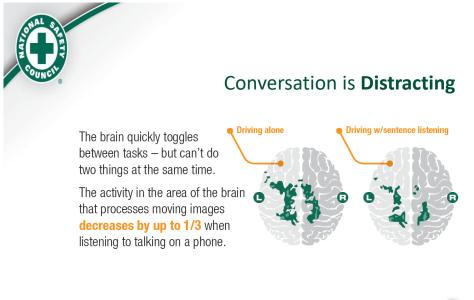
Harris Interactive & Health Day

• 13% Browsed the Internet

Information Processing

- Humans are serial information processors (one thing at a time)
- Multitasking is actually a rapid shift of attention not parallel processing.





Calls kill Hands-free is not risk-free





Causes of Car Crashes

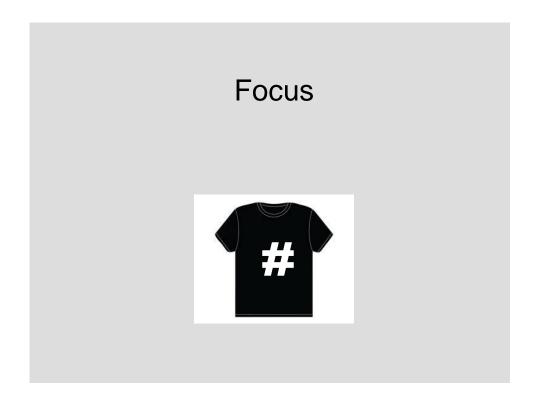
HIGHWAY HAZARD

- Human error is the #1 factor in car crashes
- Distraction is a leading factor in car crashes
- Cell phones are a top driver distraction

Drivers using handheld or hands-free cell phones are

4x as likely to crash.



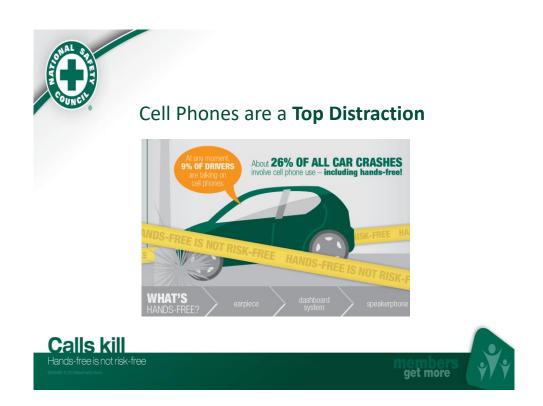


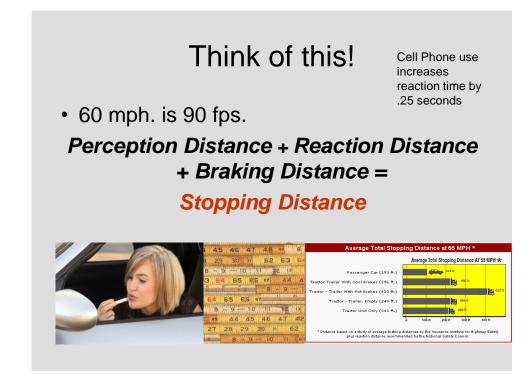










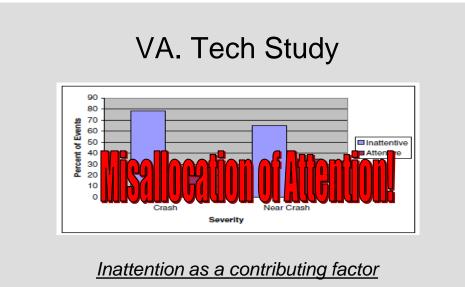












- 78% of the crashes
- 65% of the near crashes



Calls kill





NY Law Study

- · Hand held reduction
- Cut to ½ shortly after the law
- 1 yr later it returned to pre-law levels



Solutions?

- Distracted driving is difficult to regulate and enforce
- Cell phones and text messaging appear to be the low hanging fruit
- · Is hands free an answer?
- What about food or even children?
- · Company Policies





- Before driving, turn off your cell phone or put it on silent
- Toss your cell phone in the trunk or glove box
- Set GPS before you start to drive
- On long drives, schedule stops to check voicemail, email and text messages
- Install an app on your phone to hold calls and messages while your car is in motion
- Ask a passenger to answer incoming calls and messages
- Change your voicemail greeting to say you might be driving, and you'll return calls when you can safely do so

Visit nsc.org/cellfree for more information





Winning the War!



 Focusing on driver behaviors will have the most profound impact on crash reduction.

American Transportation Research Institute

Safety is for, not from!

