

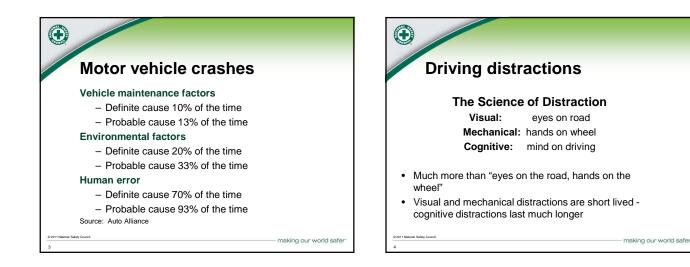
Motor vehicle crashes

- 1 million people have died in motor vehicle crashes in the last 25 years
- 35,000 deaths each year in the U.S.
- Leading cause of on and off-the-job unintentional deaths in the U.S.
- Leading cause of death for people 5- to 24-years-old
- Cost to society = \$100 billion per year
- Society appears to have grown complacent, accepting these deaths and injuries

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· Safety engineering has made significant advances

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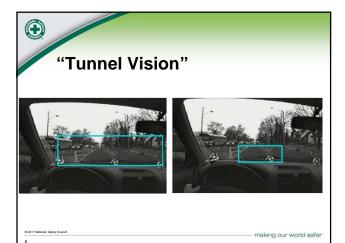


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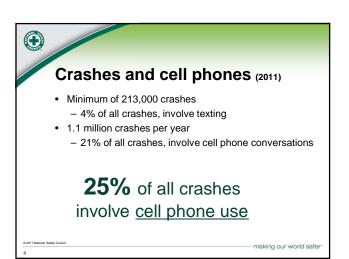
- Make one task "primary" and the other "secondary"
- Cognitive attention to driving can become secondary to a phone conversation
- When driving is a secondary task for the brain, driving becomes impaired

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 Impairment takes several forms, including inattention blindness and tunnel vision



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	Crashes and cell pho	ones	
	Risk – how risky is the distraction		
	Reading	3.4x	
	Reaching for a moving object	8.8x	
	Turning around in a seat	8.8x	
	Talking on a cell phone	4x	
	Texting	8-23x	
	Prevalence – how often is it happening		
	Manipulating a wireless device	1.3%	
	Talking on a cell phone	9%	
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What we know about cell phone use and driving Role of Mobile Phones in Motor Vehicle Crashes Resulting in Hospital Attendance Suzanne P McEvoy, Mark R Stevenson, Anne T McCart, et al - 2004

• Likelihood of crashing increases by 4x

Risk was raised irrespective of whether or not a hands-free device was used

• Hands-free and crash risk

Hands free devices do not reduce crash risk:

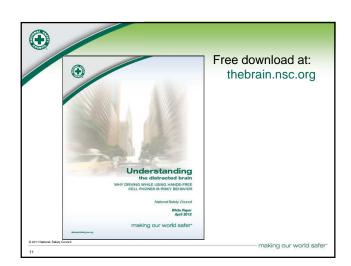
- National Safety Council
- National Transportation Safety Board
- World Health Organization
- Insurance Institute for Highway Safety
- Governors Highway Safety Association
- 30+ studies reported substantial negative effects of cell phone use on driving for hands-free and handheld phones

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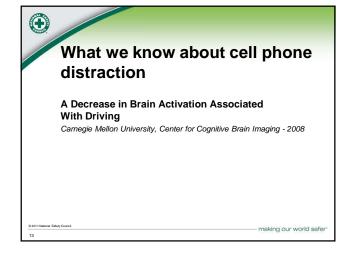
Similar effects in reaction time, speed, headway and lateral lane position, for hands-free and handheld phones

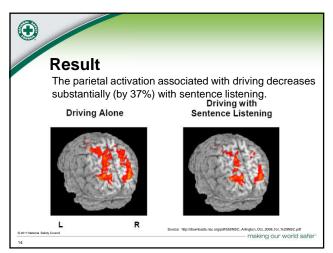
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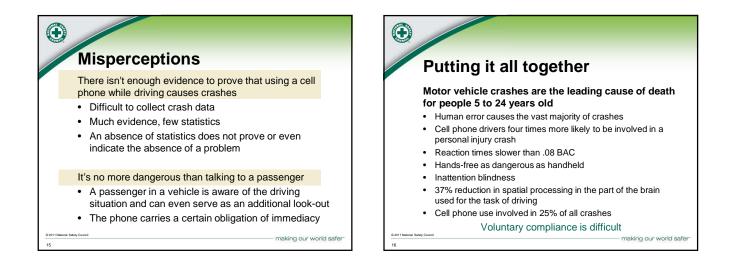
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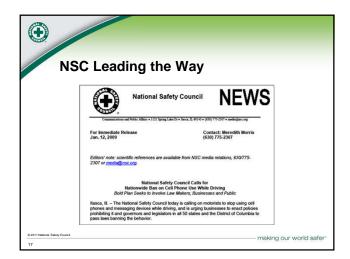














Sample cell phone policy	Companies w	ith policies
Company employees may not use cellular telephones or mobile electronic devices while operating a motor vehicle under any of the following situations, regardless of whether a hands-free device is used: • When employee is operating a vehicle owned, leased or rented by the Company. • When the employee is operating a personal motor vehicle in connection with Company business. • When the motor vehicle is on Company property. • When the cellular telephone or mobile electronic device is company owned or leased. • When the employee is using the cellular telephone or mobile electronic device to conduct Company business.	 Exxon/Mobil DuPont Halliburton Shell Chevron BP Enbridge AstraZeneca Spectra Energy CA Office of Traffic Safety Just a sample - no national databas 	 Abbott EnCana Cargill CSX Intermodal Schneider National Sysco Corporation Time Warner Cable Potash Owens Corning NTSB se of companies with policies

Company cell phone policies

Survey of NSC member companies – August 2009

2,004 respondents

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- 469 (23.3%) had bans that included both hands-free and handheld wireless communication devices
- 36.1% of NSC members w/o policies have plans in the next 12 months to create policies
- Only seven companies (1.5%) with policies reported a decrease in employee productivity
- 46 companies (10%) reported a productivity increase

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\$21 million - A soft drink beverage truck driver was using a hands-free headset, in compliance with a handheld ban, when she struck another vehicle and injured the driver. A jury awarded \$21 million in damages to the injured driver.

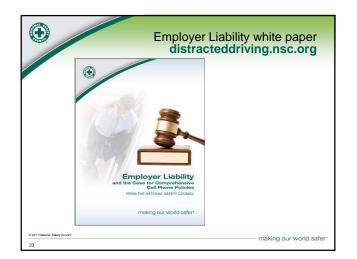
\$20.9 million: Dykes Industries of Little Rock, Ark., lost a personal injury suit in which its employee was using a cell phone when the crash occurred.

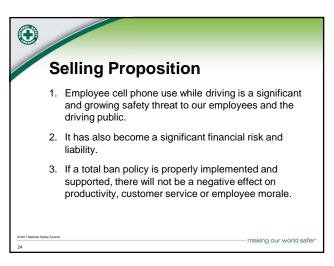
\$18 million: Holmes Transport, of Muscle Shoals, Ala., was ordered to pay the damages by a U.S. District Judge to Mark Tiburzi who was left unable to walk or talk after a crash caused by one of their drivers distracted by a cell phone.

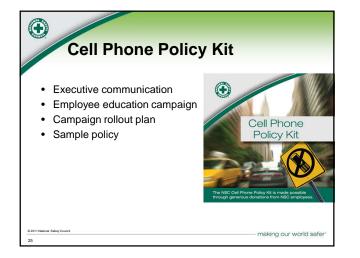
\$5.2 million: International Paper employee Vanessa McGrogan was using her company-supplied cell phone when she rear-ended a vehicle driven by Debra Ford.

\$2.5 million: State of Hawaii agreed to pay as its share of liability in a crash involving a state employee who was talking on her cell phone when she hit a tourist.

\$1.5 million: City of Palo Alto has agreed to pay the victim of a 2006 vehicle crash involving a city worker who was using his cell phone while driving. and Save Cause — making our world safe

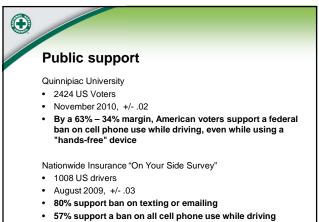








Т	echnology: may be best solution	
	contrology. Thay be best solution	
•	Signal jamming	
	 Jamming device in vehicle 	
	 Limited geographic reach 	
	- Currently illegal	
•	Smartphone app without vehicle integration	
	 Uses phone's GPS to trigger "driving condition" 	
	 Sends calls to VM, stores texts and emails 	
•	Smartphone app with vehicle integration	
	 Sensor plugs in to vehicle OBD port 	
	 Communicates "driving" to phone via Bluetooth 	
	Wireless network solution	
	 "Thin client" on smart phone signals network of "driving condition" 	
	 Network applies call management tools 	
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Public support

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Scientific research on the subject of wireless phone use and driving has been conducted worldwide for several years. According to the National Highway Traffic Safety Administration, the available research indicates that using a wireless phone while driving degrades a driver's performance, whether it is a hands-free or handheld wireless phone. NHTSA advises that the "safest course of action is to refrain from using a cell phone while driving." NHTSA's policy on "Cell Phone Use While Driving," as well as Frequently Asked Questions on the subject, are available at www.nhtsa.gov.

For your well being and the well being of those around you, you should consider turning your phone off and allowing calls to go to voice mail while you are driving.

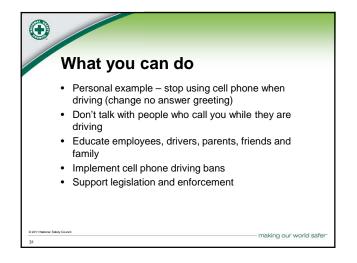
-Verizon website

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Takeaways

- We need full attention for the task of driving cognitive distraction is real Multitasking is a myth
- · Hands-free is not risk free
- Risk exposure is what makes cell phone use the biggest threat
- A total ban on employee cell phone use while driving is "best safety practice" and your company's best defense against liability exposure.

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Margay Schee – 13 year old killed when her school bus was rear ended by a big-rig driver distracted by a cell phone. Eight others injured. (September 2008, FL) "Frances "Margay" Schee was a wonderful and beautiful child, Margay only knew friends in her life, if you knew Margay, then you knew she was your friend." The Schee Family

Erica Forney – Nine year old killed by a cell phone driver while riding her bicycle home from school. (November 2008, CO)

My name is Michelle. I am 36 years old. On Nov. 25, 2008, I accidentally struck Erica Forney. Although I do not have a clear memory of the accident, the police tell me I recently finished a cell phone call and may have been distracted...

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