

# Welcome!

Office for State, Tribal, Local and Territorial Support  
presents...



## ***CDC Vital Signs :*** **Drinking and Driving in the United States**

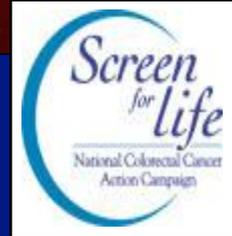
October 11, 2011  
2:00pm – 3:00pm EDT



Centers for Disease Control and Prevention  
Office for State, Tribal, Local and Territorial Support

# Agenda

<b>2:00 pm</b>	<b>Welcome &amp; Introduction</b>	<b>Judy Monroe, MD, FAAFP</b> Deputy Director, CDC; Director, OSTLTS
<b>2:02 pm</b>	<b>Speaker Introductions</b>	<b>Kimberly Wilson</b> Knowledge Management Branch, OSTLTS
<b>2:04 pm</b>	<b><i>Vital Signs</i> Overview</b>	<b>Gwen Bergen , PhD, MPH, MS</b> Behavioral Scientist, Division of Unintentional Injury Prevention, National Center for Injury Prevention and Control, CDC
<b>2:10 pm</b>	<b>Presentations</b>	<b>Jim Roeber, MSPH</b> Alcohol Epidemiologist, Substance Abuse Epidemiology Section, Epidemiology and Response Division, New Mexico Department of Health  <b>Mark Kinde, MPH</b> Director, Injury and Violence Prevention Unit, Minnesota Department of Health
<b>2:30 pm</b>	<b>Q&amp;A and Discussion</b>	<b>Kimberly Wilson</b>
<b>2:55 pm</b>	<b>Wrap – up</b>	<b>Judy Monroe, MD, FAAFP</b>
<b>3:00 pm</b>	<b>End of call</b>	



**CDC VitalSigns™ Teleconference**  
**to support STLT efforts and build**  
**momentum around the monthly**  
**release of CDC *Vital Signs***





# Alcohol-Impaired Driving Among Adults

**Gwen Bergen, PhD, MPH, MS**

Division of Unintentional Injury Prevention

**CDC *Vital Signs* Town Hall Teleconference**

October 11, 2011



National Center for Injury Prevention and Control

Division of Unintentional Injury Prevention

## Key Findings

- ❑ About 112 million times in 2010, U.S. adults drank too much and got behind the wheel.
- ❑ Four million adults reported driving after having too much to drink in 2010.

*Centers for Disease Control and Prevention*

**MMWR**

Morbidity and Mortality Weekly Report

Early Release / Vol. 60

October 4, 2011

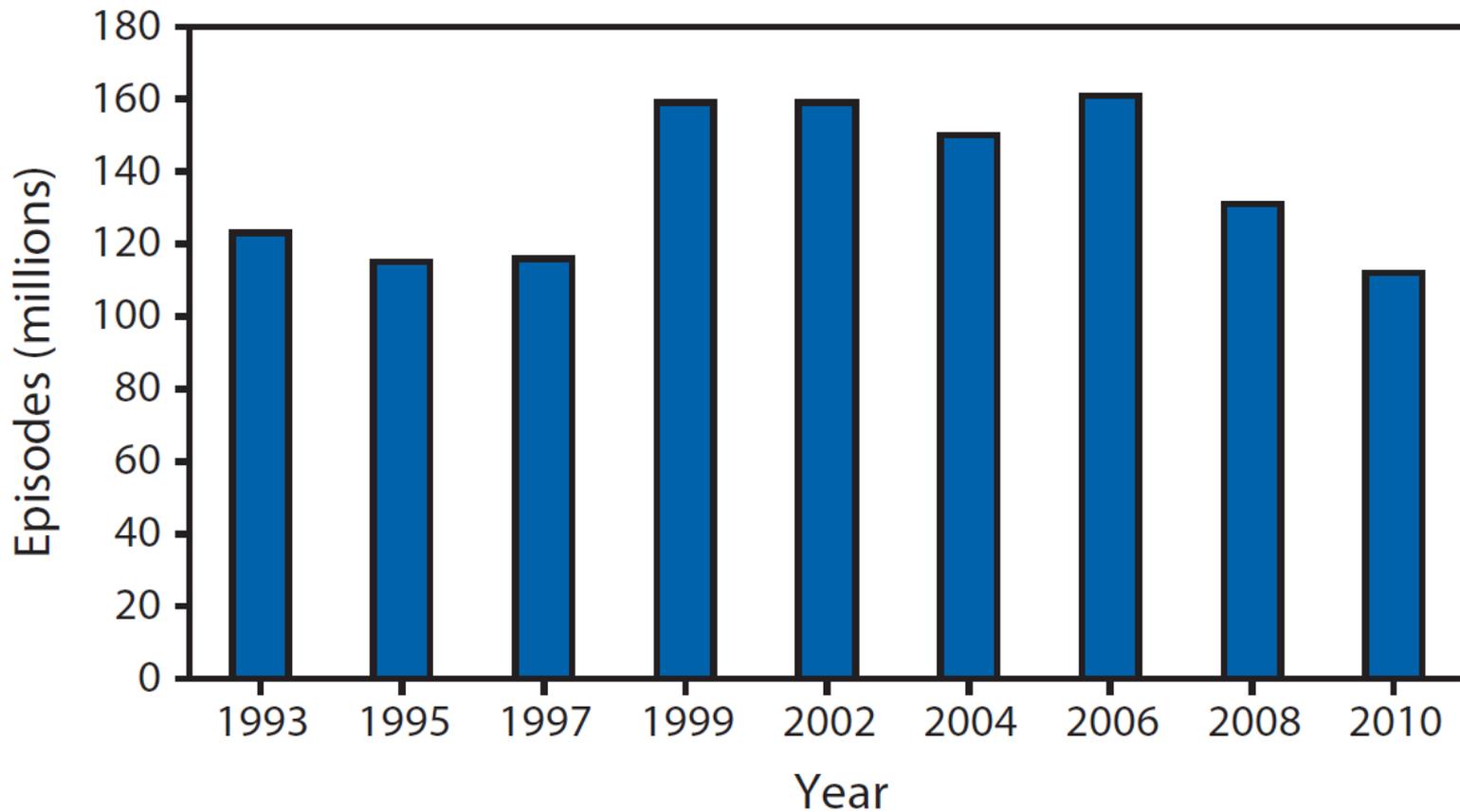
**Vital Signs: Alcohol-Impaired Driving Among Adults —  
United States, 2010**

## Certain Groups Are More At Risk

- ❑ Men were responsible for 4 in 5 episodes (81%) of drinking and driving in 2010.
- ❑ Young men make up only 11% of the U.S. population in 2010, but were responsible for 32% of all instances of drinking and driving.
- ❑ People who binge drink reported 85% of all drinking and driving episodes.

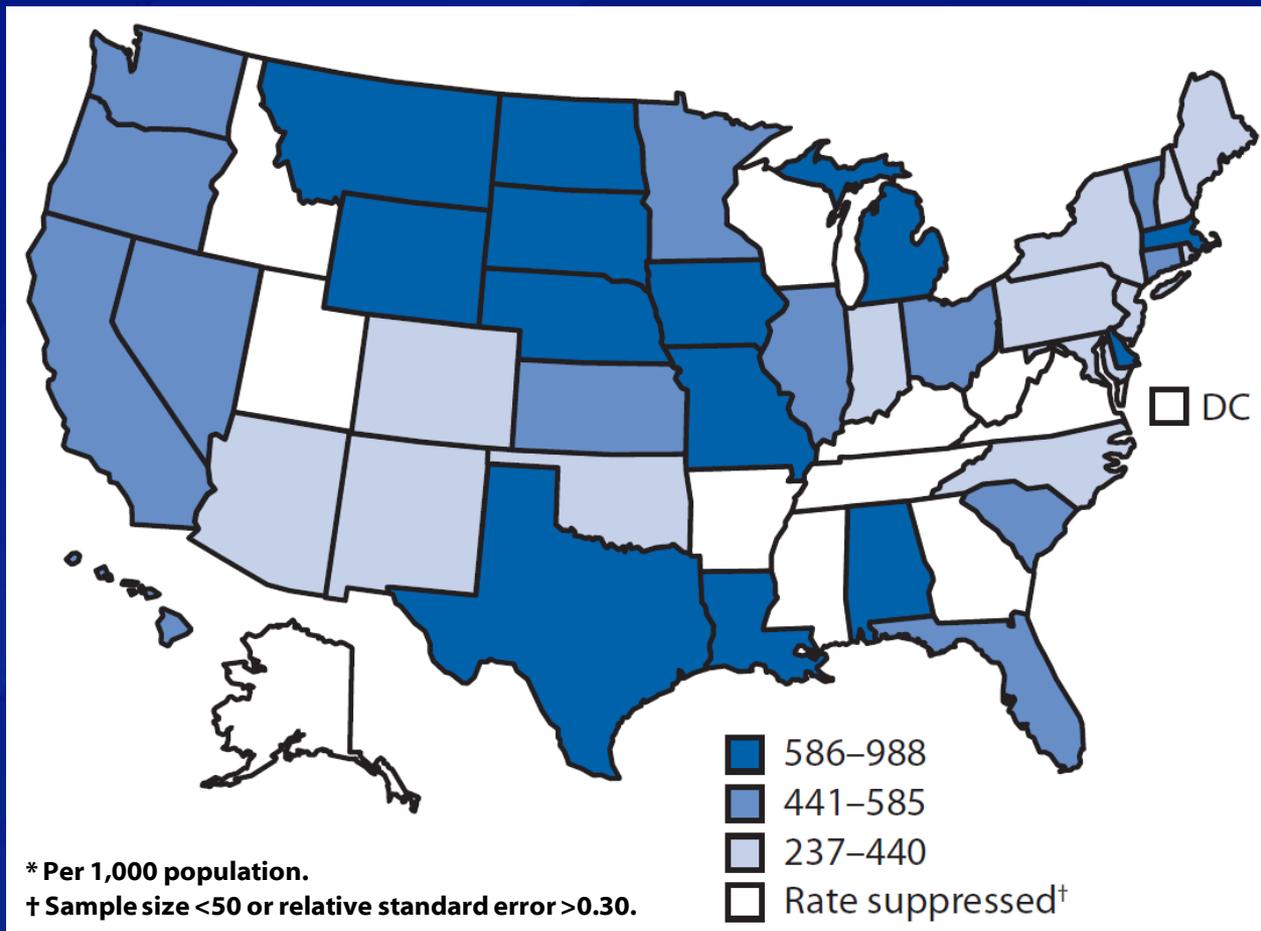
*People who drink and drive  
put everyone on the road in danger.*

# Number of Drinking and Driving Episodes Among Adults Has Declined



Behavioral Risk Factor Surveillance System, United States, 1993–2010

# Rates of Drinking and Driving Episodes Among Adults Vary by State

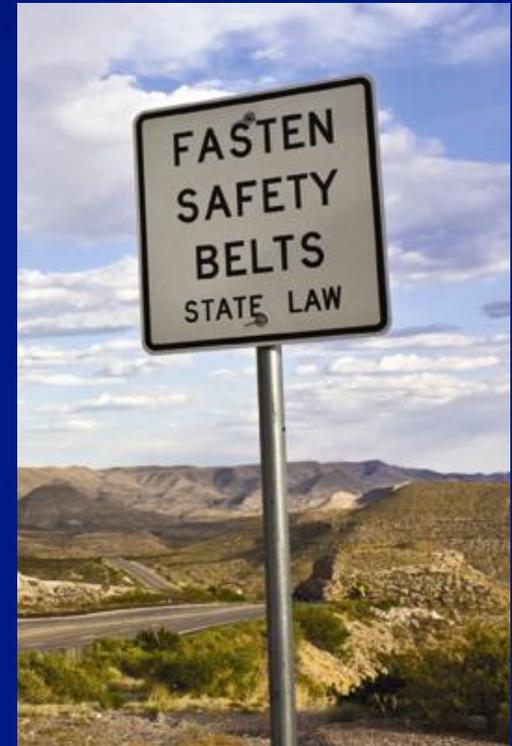


## **States Can Prevent Alcohol-Impaired Driving**

- ❑ Enforce 0.08 BAC and MLDA laws.**
- ❑ Expand use of sobriety checkpoints.**
- ❑ Require ignition interlocks for everyone convicted of drinking and driving, starting with their first offense.**
- ❑ Consider strategies to reduce binge drinking—such as increases in alcohol taxes—to reduce drinking and driving, since the two behaviors are linked.**

## Seat Belts Play an Important Role Too

- ❑ People who don't always wear seat belts drink and drive 4 times more often than people who always wear seat belts.
- ❑ Seat belts reduce serious injuries and deaths from crashes by about 50%.
- ❑ CDC recommends primary enforcement seat belt laws. These laws are effective in increasing seat belt use.



# Resources for the Road

## Community Guide

- 12 reviewed interventions to reduce alcohol-impaired driving
- 8 recommended effective

The screenshot shows the Community Guide website interface. The main heading is "COMMUNITY Preventive Services - The Community Guide What works to promote health". The left sidebar lists "Community Guide Topics" including Adolescent Health, Alcohol, Asthma, Birth Defects, Cancer, Diabetes, Health Communication, HIV/AIDS, STIs & Pregnancy, Mental Health, Motor Vehicle, Child safety seats, Safety belts, Alcohol-impaired driving, and BAC laws. The main content area is titled "Motor Vehicle-Related Injury Prevention: Reducing Alcohol-Impaired Driving". It includes a paragraph about reviewed interventions, a "Task Force Recommendations & Findings" section with a table, and a small image of a beer mug.

Intervention	Recommendation
<a href="#">0.08% blood alcohol concentration (BAC) laws</a>	Recommended
<a href="#">Lower BAC laws for young or inexperienced drivers</a>	Recommended
<a href="#">Maintaining current minimum legal drinking age (MLDA) Laws</a>	Recommended
<a href="#">Sobriety checkpoints</a>	Recommended

[www.communityguide.org](http://www.communityguide.org)

## Policy Impact

- One in a series of short issue briefs on CDC-recommended motor vehicle safety policies

The image shows the cover of a "POLICY IMPACT" brief. The title "ALCOHOL IMPAIRED DRIVING" is prominently displayed in large white letters. The background features a close-up of a hand holding a key, with a blurred image of a car's interior. The CDC logo is visible in the bottom right corner, along with the text "National Center for Injury Prevention and Control Division of Unintentional Injury Prevention".

[www.cdc.gov/motorvehiclesafety/alcoholbrief](http://www.cdc.gov/motorvehiclesafety/alcoholbrief)

**Drunk driving is never OK.  
Choose not to drink and drive,  
and help others do the same.**

**For more information please contact Centers for Disease Control and Prevention.**

1600 Clifton Road NE, Atlanta, GA 30333  
Telephone, 1-800-CDC-INFO (232-4636)/TTY: 1-888-232-6348  
E-mail: [cdcinfo@cdc.gov](mailto:cdcinfo@cdc.gov) Web: [www.cdc.gov](http://www.cdc.gov)

The findings and conclusions in this presentation are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.



National Center for Injury Prevention and Control  
Division of Unintentional Injury Prevention



# *The Impact of a Comprehensive Program to Reduce Alcohol-Impaired Driving:*

## Results from New Mexico's Driving While Intoxicated Prevention Program

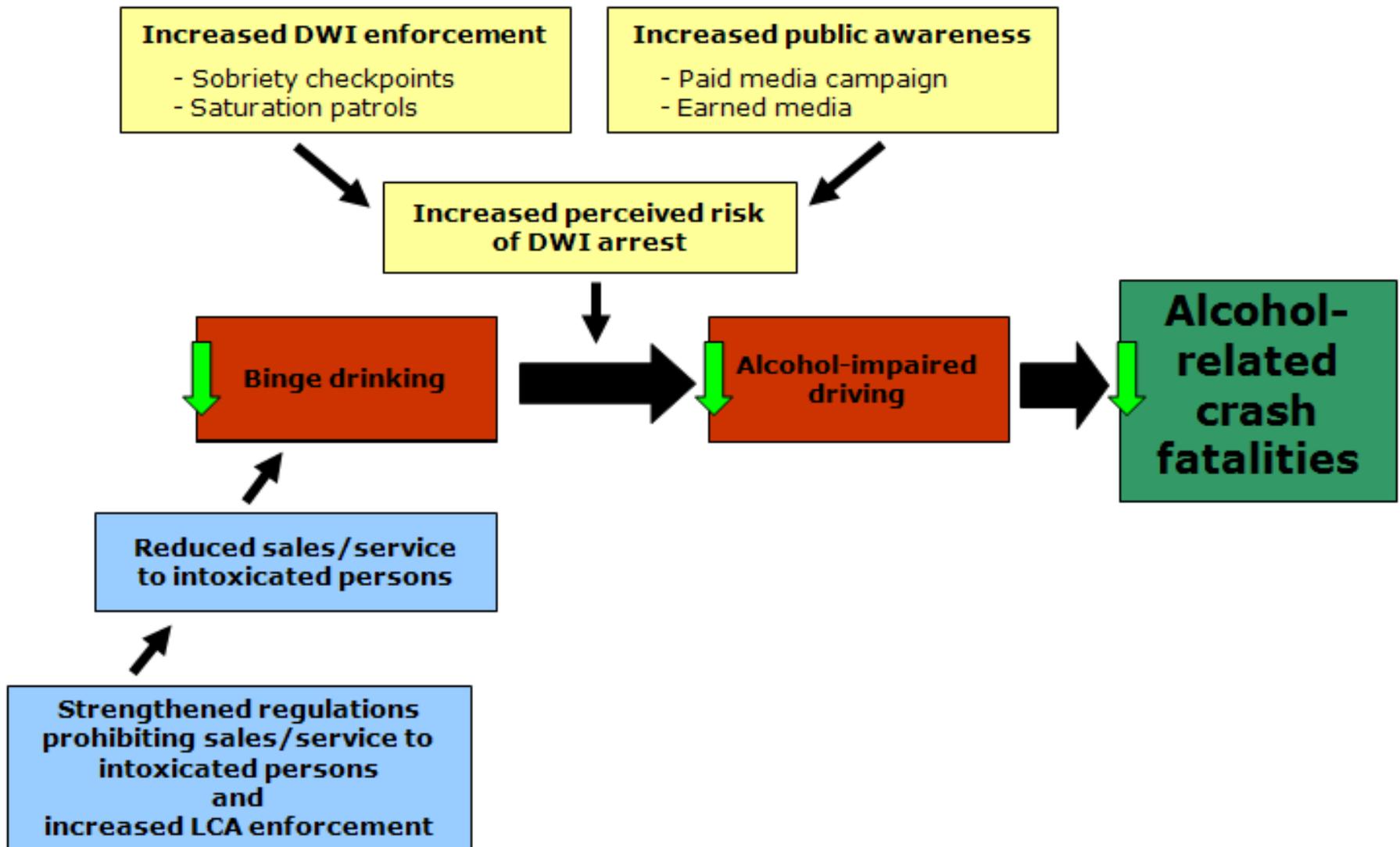
Jim Roeber, MSPH, Alcohol Epidemiologist  
Substance Abuse Epidemiology Section  
Epidemiology and Response Division  
New Mexico Department of Health

CDC *Vital Signs* Town Hall Teleconference  
October 11, 2011

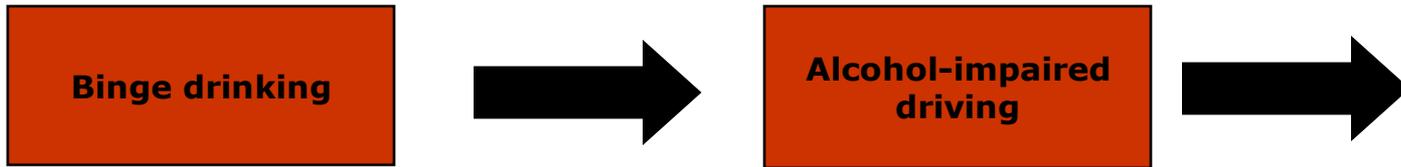
## New Mexico's DWI Prevention Program

- In 2005, New Mexico undertook a 5-year comprehensive multi-agency program to reduce dangerous excessive drinking, driving while intoxicated (DWI), and, ultimately, alcohol-related motor vehicle crash (AR-MVC) deaths
- NHTSA funded program as a national “demonstration project” (\$1-2 million per year)
- Program used a well-established prevention model based on the work of Harold Holder and others, using strategies recommended by the Community Guide, WHO, and IOM
- Program focused on the six New Mexico counties with the highest numbers and/or rates of AR-MVC deaths (50-60% of AR-MVC deaths in state)

# DWI Prevention Program Logic Model



# Changes in DWI-Related Risk Behaviors



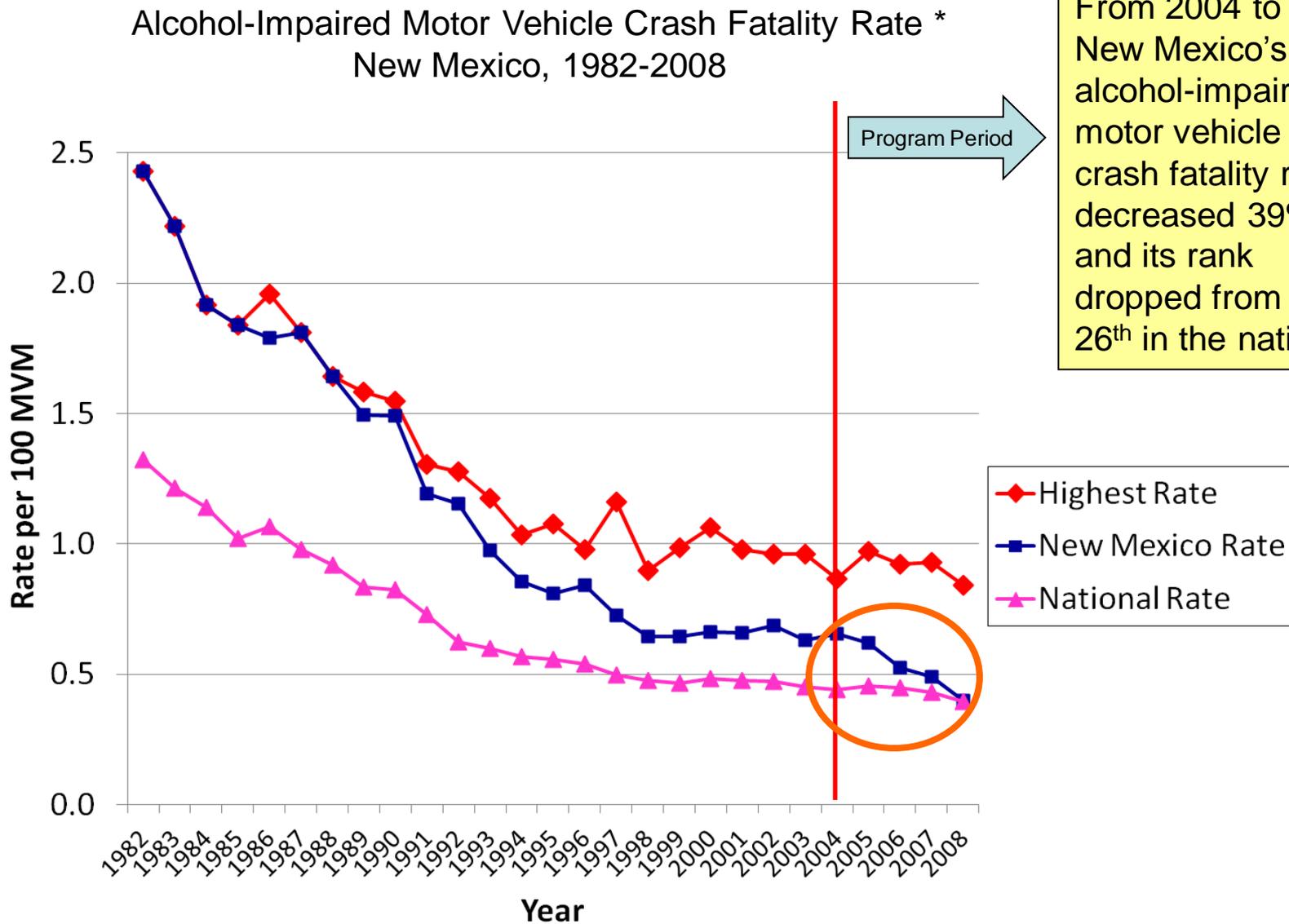
<u>Indicator</u>	<u>% Change</u>
• Prevalence:	+2%
• Frequency:	+3%
• Intensity:	-7%
- Males	-9%
- Bar/Club	-16%
- Binge Drivers	-19%
• Location:	
- Licensed Premise	-27%*
➤ Males	-35%*

<u>Indicator</u>	<u>% Change</u>
• Prevalence:	-33%*
- Males	-36%
- Bar/Club	-1%
- Residence	-41%

9.2 to 7.4 drinks on last binge occasion

\* Significant level of change from 2004-05 to 2007-08: p < 0.05

# Changes in DWI-Related Outcomes



Source: NHTSA FARS

vehicle miles traveled

# Conclusions



- A comprehensive evidence-based DWI prevention program that addressed both excessive consumption and alcohol-impaired driving was associated with population-level reductions in
  - DWI-related risk behaviors (e.g., high-intensity binge drinking, binge drinking in bars and clubs, “binge driving”)
  - DWI-related outcomes (i.e., alcohol-impaired motor vehicle crash fatality rates)
- The BRFSS binge drinking module is a useful tool for surveillance of DWI-related behaviors and to assist in the evaluation of DWI prevention programs

- Rachel O'Connor, former DWI Czar
- Michael Sandoval, NMDOT
- Vivian Heye and Wayne Honey, NMDOH Survey Section
- Bob Brewer, CDC Alcohol Program



# TOWARD ZERO DEATHS

Because your life counts

## Drinking & Driving in Minnesota: A Bad Idea!

CDC *Vital Signs* Town Hall Teleconference  
October 11, 2011



*“Public health is the constant redefining of what is unacceptable.”*

**Ed Ehlinger, MD, MPH**

Commissioner Minnesota Department of Health

April 2011

# Reducing Alcohol-related Injury and Death in Minnesota's Communities



**Targeted Programs**

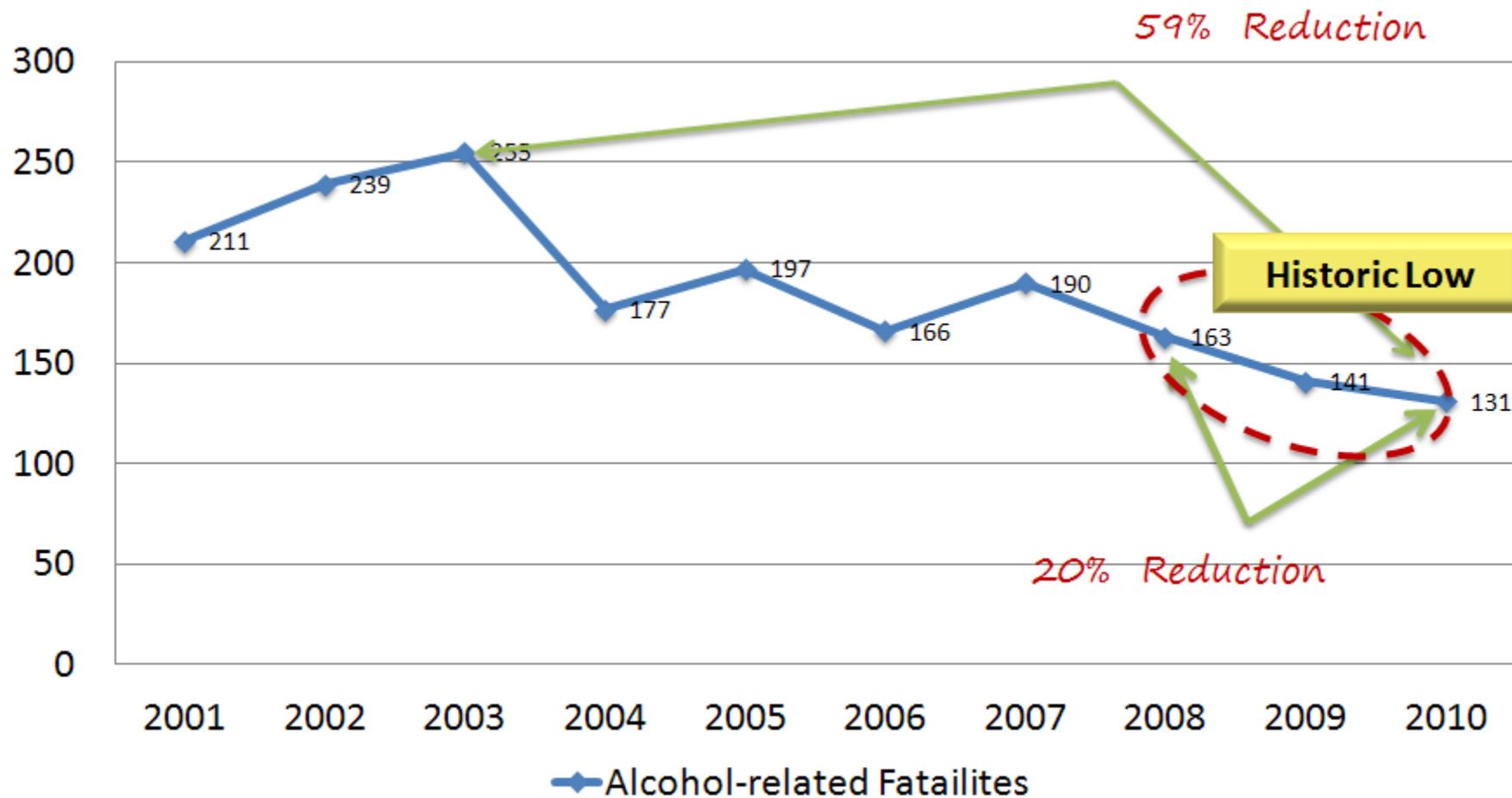
**Driven by Data**

**Guided through Partnerships**

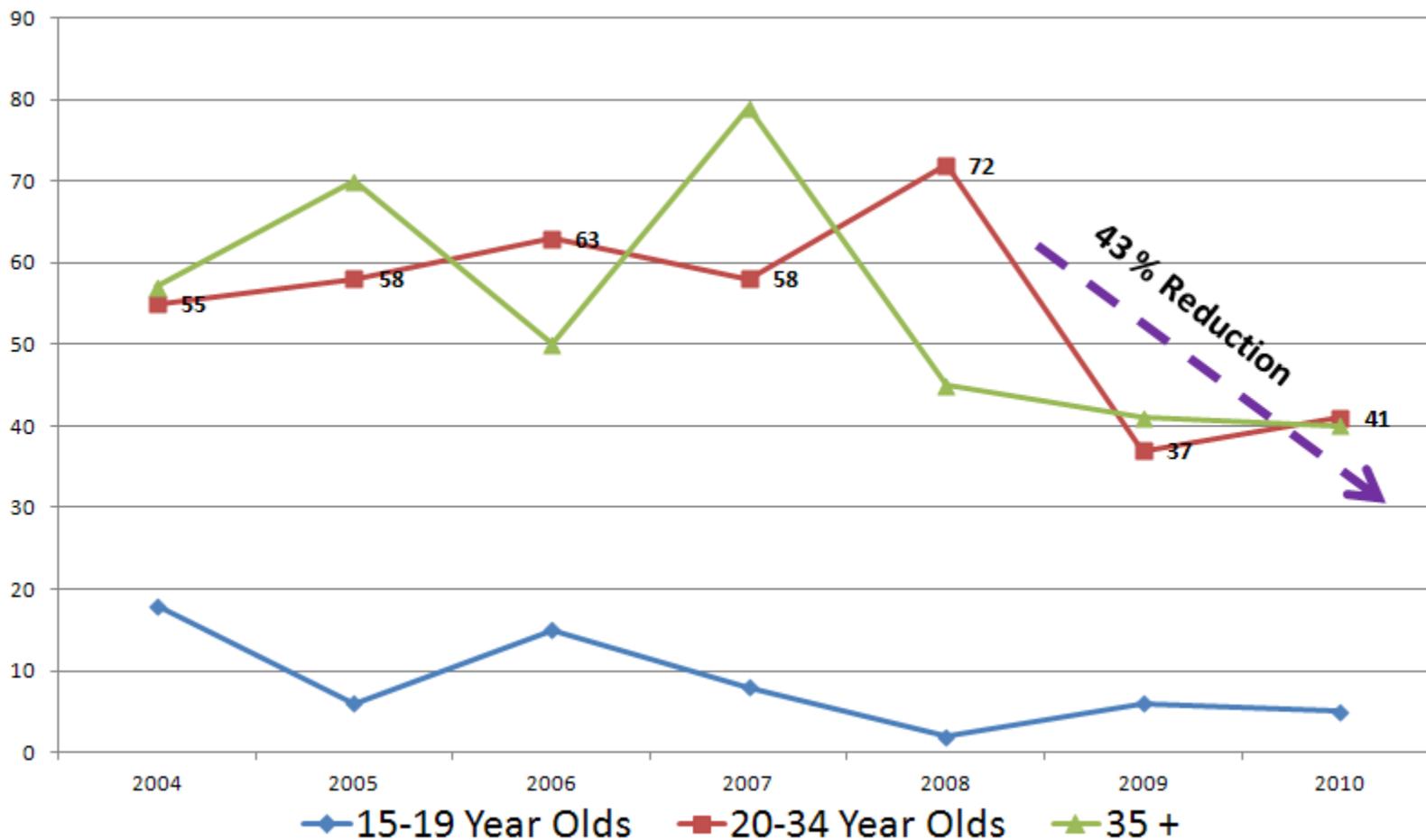
# Toward Zero Deaths

- Highly visible focused enforcement
  - Roadway signs
  - Selected roadway and time of day
- Impaired driving education
  - Media - targeted on 21-34 year-olds
- Community programs
  - Building community support
  - Safe Ride Programs
  - Media events
- Strong laws
  - Swift and certain sanctions – ignition interlock
- Multi-disciplinary partnerships
- Culture change
- [MIDAS](#)
- Emergency medical and trauma services

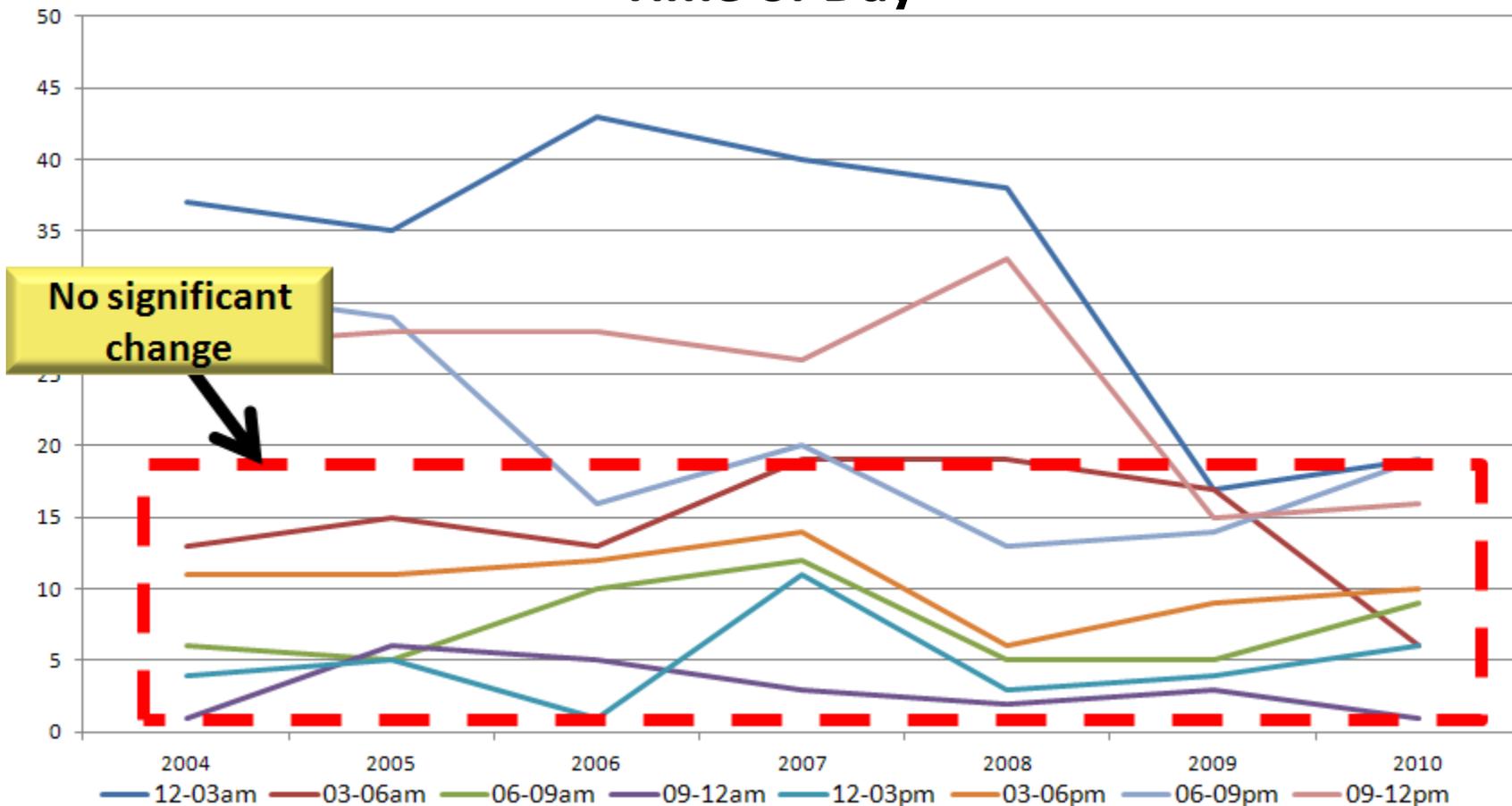
# Minnesota Alcohol-related Fatalities



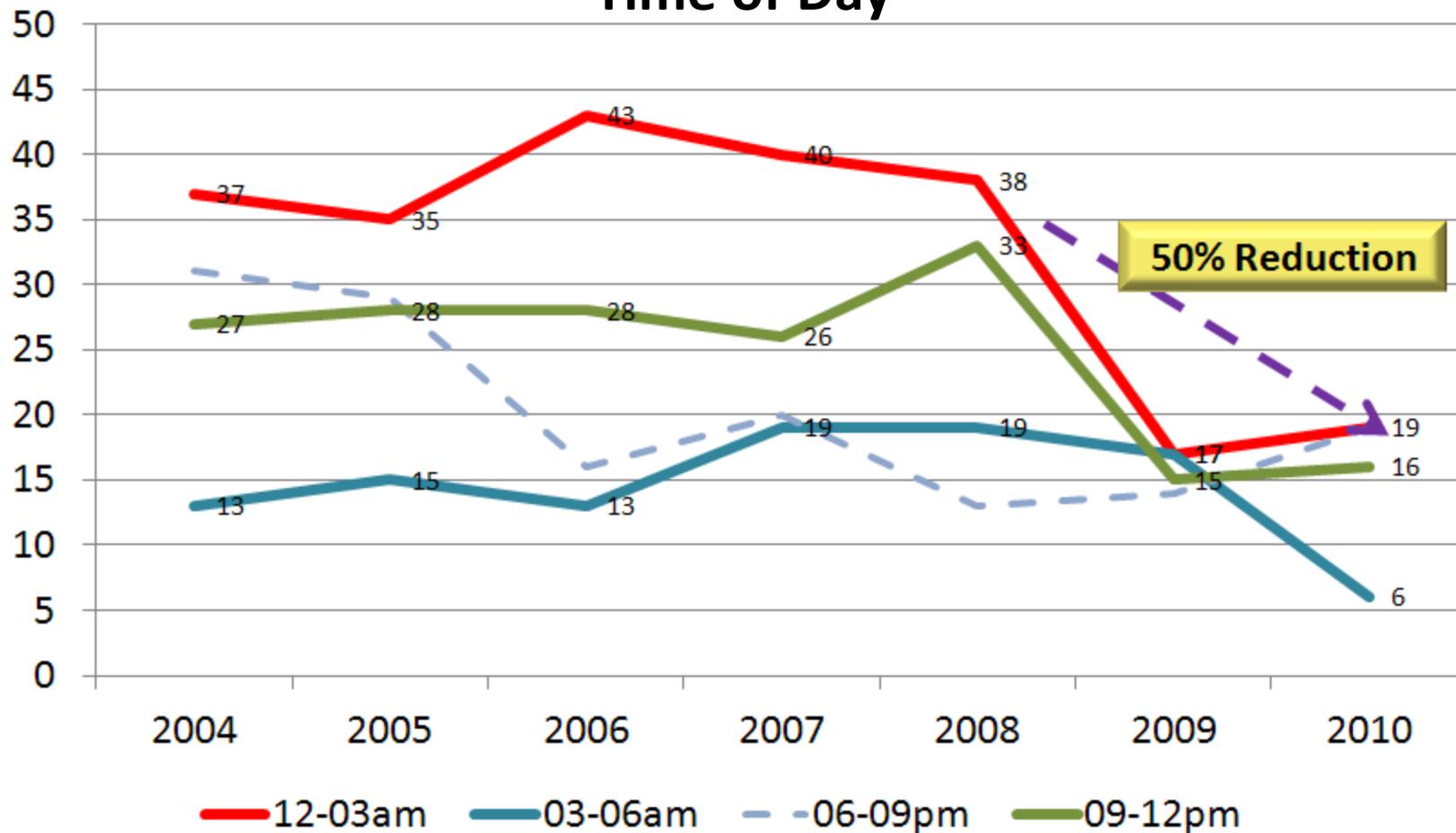
# Alcohol Impaired Drivers Involved in a Fatal Crash (Including Motorcyclists) Age Groups



# Alcohol Impaired Drivers Involved in a Fatal Crash (Including Motorcyclists) Time of Day



# Alcohol Impaired Drivers Involved in a Fatal Crash (Including Motorcyclists) Time of Day



# Minnesota Alcohol-related Crashes and Deaths 2008–2010 Comparison

- Deaths – 131  20%
- Hospital-treated injuries – 2,485  14%
- Alcohol-related crashes – 3,743  12%
- Urban / rural disparity 

# Thank You!

## For further discussion and dialogue

Jean Ryan, Department of Public Safety

– 651.201.7074      [Jean.m.ryan@state.mn.us](mailto:Jean.m.ryan@state.mn.us)

Lt. Col Matt Langer, Minnesota State Patrol

– 651.201.7114      [Matthew.langer@state.mn.us](mailto:Matthew.langer@state.mn.us)

Mark Kinde, MPH, Minnesota Department of Health

– 651.201.5447      [Mark.kinde@state.mn.us](mailto:Mark.kinde@state.mn.us)

# CDC *Vital Signs* Electronic Media Resources

Become a fan on Facebook-

<http://www.facebook.com/cdc>

Follow us on Twitter-

<http://twitter.com/cdcgov/>

Syndicate *Vital Signs* on your website-

<http://tools.cdc.gov/register/cart.aspx>

*Vital Signs* interactive buttons and banners-

<http://www.cdc.gov/vitalsigns/SocialMedia.html>



**Provide feedback on this teleconference:**  
**[OSTLTSFeedback@cdc.gov](mailto:OSTLTSFeedback@cdc.gov)**



Please mark your calendars  
for the next OSTLTS **Town Hall**  
**Teleconference:**

**November 8, 2011**

**2:00pm – 3:00pm EST**

**For more information please contact Centers for Disease Control and Prevention**

1600 Clifton Road NE, Atlanta, GA 30333

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