

*Marijuana and other drugged driving prevention challenges:  
You Matter, You're the Solution*

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Impaired Driving, Washington, DC.  
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## Basic Elements Understanding Impaired Driving Prevention

- Understanding of Risks
- Regulation of two behaviors:
  - Driving
  - Substance Access and Use
- Driver options, decisions, behaviors

## Very Early Images



Circa 1910



WPA Funded Art 1936 or 1937



Kansas United Dry Forces, 1939

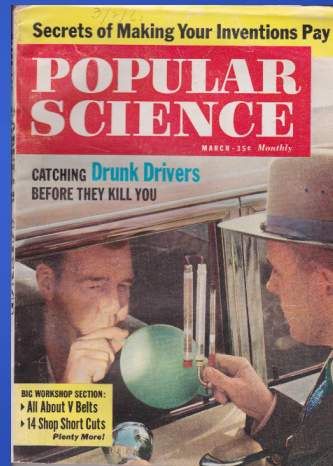
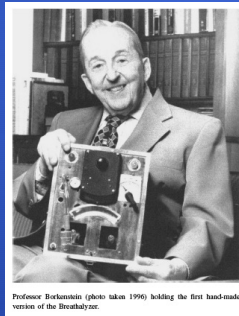


## Using Alcohol as a Model: Understanding the Risks

- In a sense, we've always known alcohol posed driving risk
  - The Horseless Age (1907) published that the "drunken driver" is the sort that would scare horses as he passed.
  - AAA banned alcohol at its races prior to 1917.
  - Hearings on Responsibility Legislation in 1930 identified drunk driving (even during prohibition) as a source of injury.

## Technology made alcohol detection and research easier

- The Drunkometer (1930's); Breathalyzer (1954)
- Grand Rapids Study Risk (1960's)



## Is Drugged Driving a “Silent Epidemic”

- Without good measures, we're incapable of quantifying the frequency or relative risk of drugged driving.
  - FARS data codes for drugs started at 1991 with changes in 1993 and 2010
  - Active/impairing levels not known based on FARS methods
  - Often urine tests or DRT are used to gather driver drug use
  - Roadside surveys only recently being conducted.
  - Saliva being validated, but may be limited with respect to manner of use.
  - Extremely large menu of possible drugs, with combinations potentially complicating risk estimates.

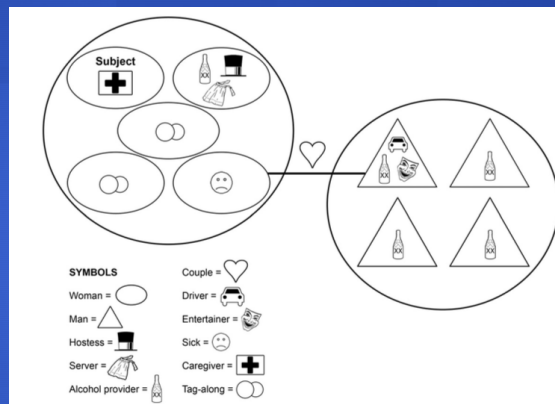


# Driver Decisions

- “The most common strategies for reducing DUIC-related [DUI Cannabis] risk involved compensating for perceived impairments, whereas strategies involving forward planning were more frequently implemented for DUICA [DUI Cannabis and Alcohol]” (Swift, Jones & Donnelly, 2010).

## Social Context

- Source of benefits, protection, *and* risks
- We know, or at least have documented, very little about the social context of marijuana use. Even less is known for prescription medicines
- Context will change in legalized environment.



Lange, J. E., Devos-Comby, L., Moore, R. S., Daniel, J., and Homer, K. "Collegiate Natural Drinking Groups: Characteristics, Structure, and Processes." *Addiction Research & Theory* 19, no. 4 (August 2011): 312–22.

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