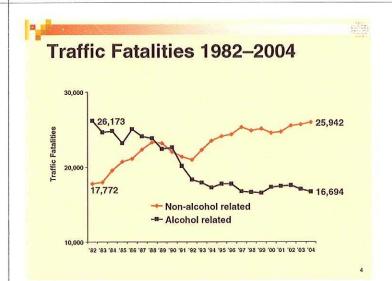


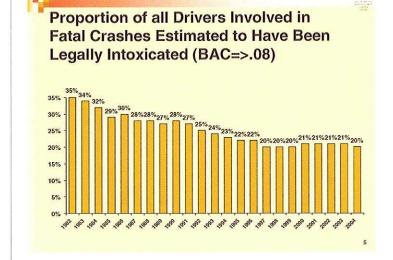
#### Topics

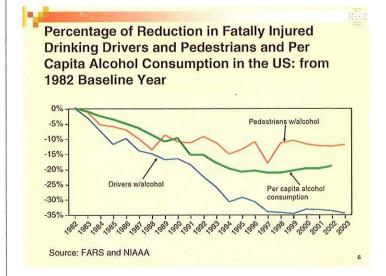
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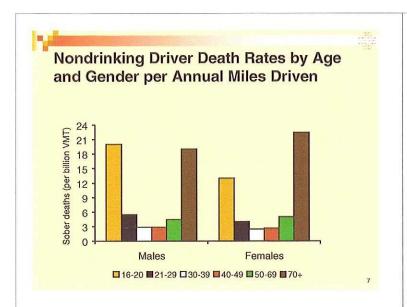
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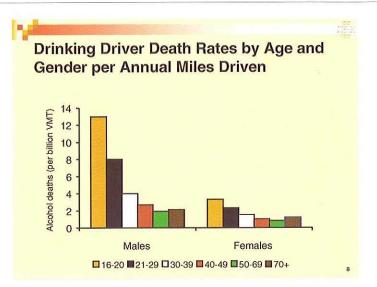
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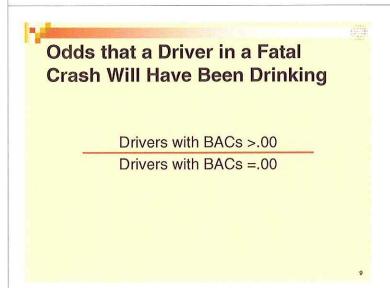




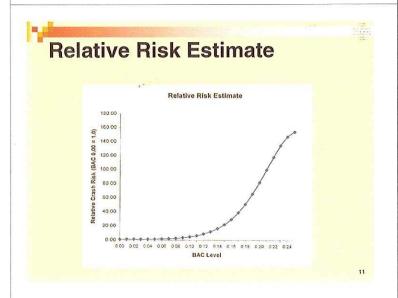


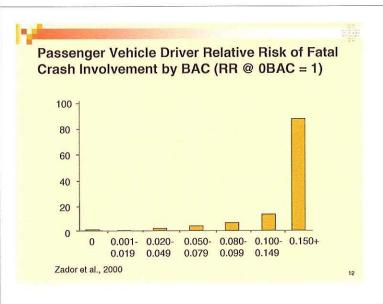












### Potential Lives Saved in 2004 if Drivers' BACs Had Been Limited to < 0.08 g/dl

Driver BACs (g/dl)	Fatalities 2004	Estimated reduction
0.150+	8,629	8,215
0.100 - 0.149	3,430	2,977
0.080 - 0.099	1,083	869
0.050 - 0.079	1,212	771
0.020 - 0.049	951	317
ALL	15,305	13,149

## Potential Lives Saved in 2004 if Drivers' BACs Had Been Limited to Specified Levels

Permitted BAC (g/dl)	Lives saved
< 0.15	4,794
< 0.10	6,855
< 0.08	7,886
< 0.05	10,493
< 0.02	12,319

DWI Enforcement in the U.S.

- 1,400,000 drivers arrested for DWI/DUI each year
- 1 DWI arrest for every 135 licensed drivers
- 1 DWI arrest for every 772 reported episodes of driving after drinking
- 1 DWI arrest for every 88 episodes of driving over the BAC limit
- 1 DWI arrest for every 6 stops by police for suspicion of DWI
- 120 DWI arrests for every drunk driver involved in a fatal crash

Sources: FBI Uniform Crime Report; Zador et al. (2000); NHTSA, FARS

#### Three Levels of Prevention

- Primary prevention
  - Reducing drinking or reducing driving
- Secondary prevention
  - Separating driving from drinking
- Tertiary prevention
  - Controlling the DUI offender

**Primary Prevention** 

- Reduce high-risk driving
  - Drink promotions
  - Responsible beverage service
- Reduce high-risk driving
  - Buses
  - Taxies
  - Designated drivers

#### **Secondary Prevention**

- Prevent driving after drinking
  - DUI laws
  - Enforcement

#### SECONDARY PREVENTION

**General Deterrence** 

- Perceived risk of apprehension
- Perceived severity of penalty
- Time between apprehension and penalty

#### **Tertiary Prevention**

- Provide education and/or treatment to promote recovery
- Control driving to protect the public during recovery process—incapacitation

Incapacitation

Traditional methods:

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• License suspension (1910)

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Incapacitation

- Vehicle sanctions
  - Impoundment
  - Forfeiture
  - License plate/registration cancellation

Incapacitation

- Technological Monitoring Methods
  - Electronic house arrest
  - Alcohol interlocks
  - BAC monitoring--SCRAM

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Buay - 50 yrs

Treatment and Education Programs

- Screening
- Assessment
- Educational programs
- Treatment programs

Cost on the Heder

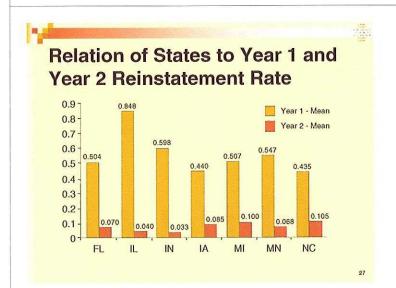
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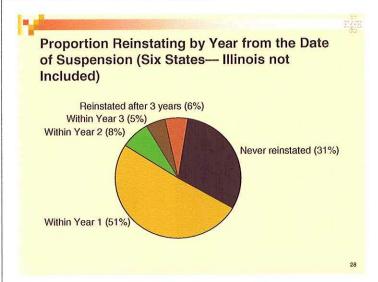
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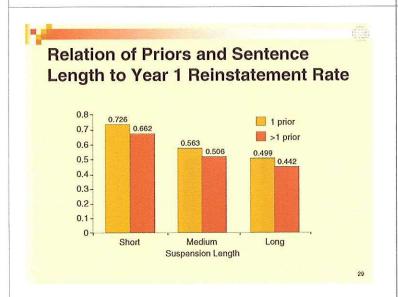
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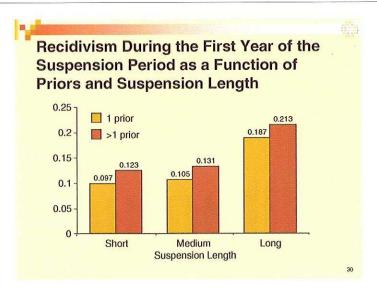
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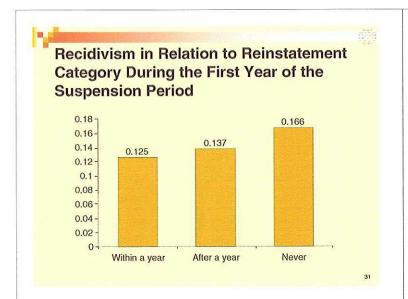
	Participating States				
	Drivers	DWI Offenders	Rate	Years Covered	No. of Driving Records
Florida	12,086,011	59,457	0.49%	1992-2000	897,347
llinois	7,777,700	64,185	0.83%	1994-2000	284,922
ndiana	3,834,104	32,130	0.84%	1988-2000	281,816
owa	1,948,324	18,623	0.96%	1990-2001	151,698
Michigan	6,811,841	85,818	1.26%	1992-2001	545,339
Minnesota	2,877,068	34,983	1.22%	1988-2001	319,342
North Carolina	5,460,519	53,824	0.99%	1989-2000	678,021

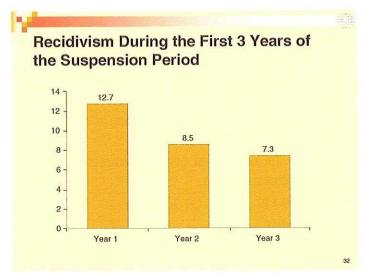


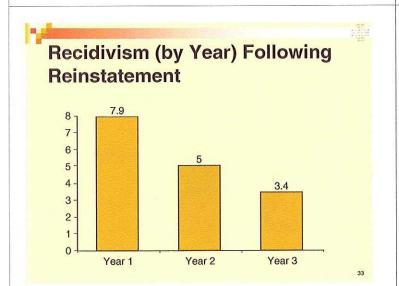


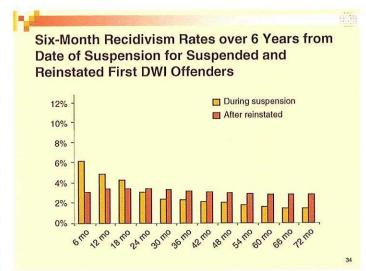


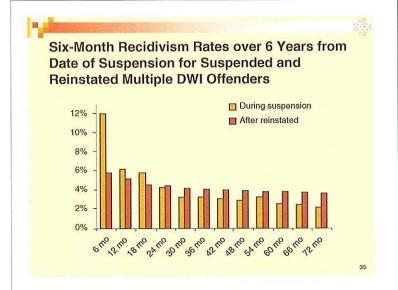


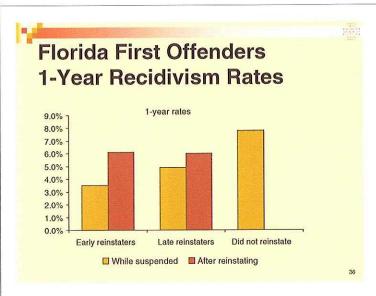


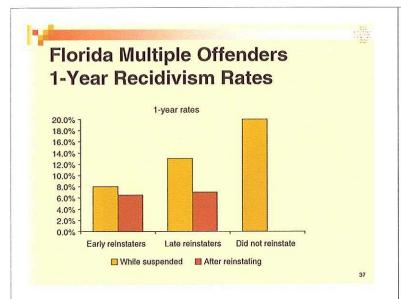












#### Florida - Recidivism Rates **First Offenders** Multiple Offenders 1 year 2 years 1 year 2 years **Early Reinstaters** 8.0% 5.5% 11.0% while suspended 3.5% after reinstated 6.1% 11.7% 6.5% 12.5% Late Reinstaters 7.2% 13.0% 17.0% 4 9% while suspended after reinstated 6.0% 11.3% 7.0% 13.5% Did not reinstate 7.8% 12.0 20.0% 28.5% while suspended

#### **Topics**

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#### The Problem

- 1.5 million drivers are arrested yearly for drunk driving in the United States, two-thirds for the first time and one-third as repeat offenders (FBI, 2001).
- 35 to 40% of all fatally injured drinking drivers are estimated to have had at least one prior DUI offense (Simpson, 1995; Vingilis et al., 1994).
- 35 to 50% of first-time DUI offenders will reoffend in their lifetimes (Voas, 2001; Peck & Helander, 2001).

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#### Traditional DUI Level 1 Programs

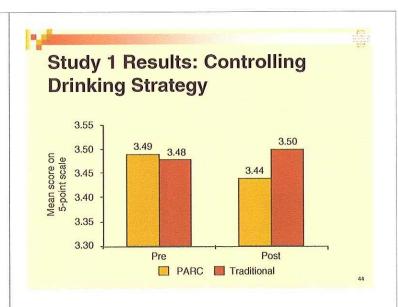
- The majority of first-time DUI offenders are assigned to short-term educational programs Such programs—
  - emphasize control of drinking (e.g., setting drink limits, sipping drinks slowly, recognizing the signs of impending intoxication).

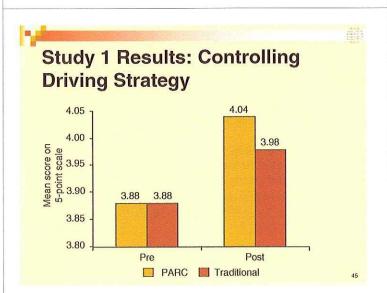
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#### **Novel Educational Approach**

- PARC (Preventing Alcohol-Related Convictions)
  - Emphasizes controlling driving vs. controlling drinking, with a simple message —
     "Don't Drive to Drinking Events."

## Study 1 Motivations for Change Measured at Pretest and Posttest Using an Adapted Stages of Readiness (SOR) Survey

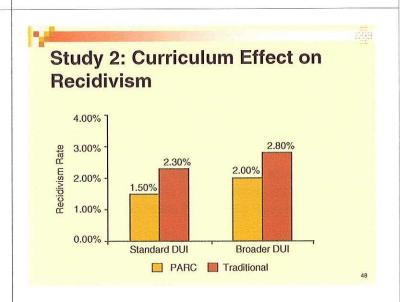


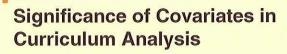


Study 2

Influence on One-Year DUI Recidivism as Measured Using Alcohol-Related Convictions on Driving Records from Florida Department of Highway Safety and Motor Vehicles (DHSMV)

## PARC students had a significant 33% lower likelihood than Traditional students of recidivating after having taken the course (odds ratio=0.67, *p*=.007).





Interactions	Odds ratio	t-test	p-value
Gender X Curric.	1.03	.07	.95
Ethnicity X Curric.	.18	-1.60	.11
Race X Curric.	.90	17	.86
Location type X Curric.	1.44	.87	.39

Model F(9, 103)=1.15, p=.34

#### Conclusions

- PARC program was effective in motivating participants toward increased readiness for change.
- PARC students chose different plans and actions than Traditional students; they more fully adopted the strategy of controlling driving rather than attempting to control drinking.

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#### Conclusions (cont.)

- PARC students showed a substantially lower recidivism rate in the year following their class attendance across two measures of recidivism.
- Replication of these results with a larger sample and more mature data is necessary to fully investigate the effectiveness and practical significance of the PARC DUI program.

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#### Topics

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#### 1992 Vehicle Sanctions Report

- This report is a followup to the 1992 NHTSA-sponsored survey of vehicle sanctions.
- The survey found relatively few jurisdictions with active vehicle sanction programs.
- Although 32 states had vehicle sanction laws programs, they were rarely used.



#### Types of Vehicle Sanctions

- Programs that confiscate or impound the vehicle.
- Programs that confiscate the vehicle plates and vehicle registration and/or require special plates on the vehicles of DWI offenders.
- Devices installed in the vehicle that prevent its operation if the driver has been drinking alcohol (ignition interlock).

#### **Definitions**

- Vehicle Impoundment Taking possession of a vehicle for a limited time.
- Vehicle Immobilization Use of devices (e.g., "club" or "boot") to prevent vehicle from being operated.



#### **Definitions (cont.)**

- Alcohol Ignition Interlock Installation of a device requiring drivers to provide breath samples before vehicle will operate.
- License Plate Actions Actions related to removal of license plates and/or invalidation of vehicle registration.

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#### **Definitions (cont.)**

- Special License Plates Issuance of a license plate or addition to a license plate (e.g., sticker) designed to identify vehicle as belonging to DWI or DWS offender.
- Vehicle Forfeiture Permanent confiscation of a vehicle.

Sun

## Summary of States' Vehicle Sanction Laws

Sanction Type	1992	2004	
Registration/License			
Plate Actions	18	22	
Special License Plates	3	6	
Vehicle Impoundment	11	16	
Vehicle Immobilization	1	13	
Vehicle Forfeiture	14	31	1
Alcohol Ignition Interlocks	-(	43	
			/

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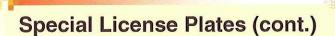


## Registration/License Plate Actions (cont.)

- Often involves registration cancellation for same period as driver's license
- May require offenders to mail in plates
- Difficult to enforce

# Plate Impoundment Minnesota Plate Impoundment Law Administrative, not court mandated Impoundment at time of arrest Impoundment of car driven even if not owned by arrested driver Provision for high BAC first offenders 25 to 50% effective while in place





- Special License Plates: "Family Plates"
- Provides basis for stopping vehicle in some states
- May be clearly recognizable (e.g., Ohio)

Washington/Oregon sticker program

**License Plate Sticker Programs** 

- Effective in Oregon
- Sunset clauses in both states

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# Vehicle Impoundment No Law Little or No Use Some or Much Use Law, Extent of Use Unclear/Unknown

#### Vehicle Impoundment Issues

- Imposed for both DWI and DWS
- More effective if administrative
- Nonoffender owners (50%)
- Towing and storage
- Up to 50% not retrieved
- Provide for service fee

#### Vehicle Impoundment Evaluations

- Manitoba, Canada
- California Specific Deterrence
- California General Deterrence
- Franklin County, Ohio
- Hamilton County, Ohio



#### Vehicle Immobilization Issues

- Equally effective as impoundment
- Lower cost to offender
- Potentially avoids cost to communities for vehicles that are not retrieved
- Should have fee to cover police costs
- Ohio has service providers



#### **Vehicle Forfeiture Issues**

- Nonoffender owner problem
  - Stipulated agreement
- Junker vehicle problem
  - Rapid release or seizure procedure
- Attorney expense problem
  - Processing fee

#### Vehicle Forfeiture Evaluations

- Portland Oregon: Effective small-scale program
- New York City: Initially appeared effective
- California: Only a few cities implemented the law

#### **Topics**

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#### Alcohol Ignition Interlock Issues

- NHTSA Model Standards
- Difficult to circumvent
  - Operation of non-interlock-equipped car main threat
- Requires good monitoring program
- Records BAC and engine operation
- Effective when installed
  - No carryover effect when removed from car

Interlocks Underused

- 1.4 million DUI arrests each year
- 100,000 interlocks in use

First in 1969 15

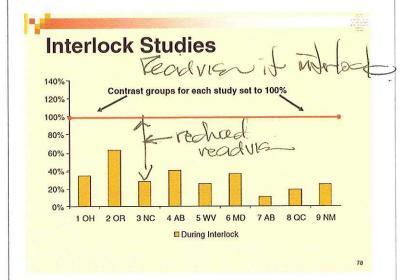
#### Alcohol Ignition Interlock Programs

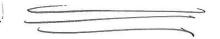
- "Voluntary" Programs ∠ \ \ \ \ / o
  - Limited license rather than full suspension
- Court-Mandated Programs < \D/S

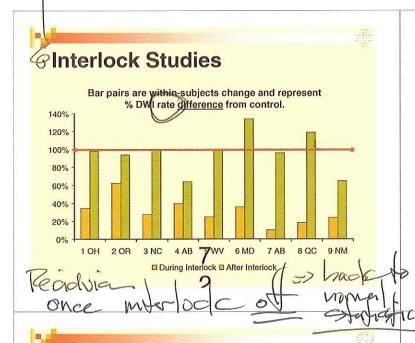
Condition of probation

DMV-Mandated Programs

Requirement for reinstatement







#### Interlocks and Treatment

- Use of interlock data in treatment programs
- Use of interlock data to determine when to terminate treatment
- Use of interlock data to determine when to remove units

#### Interlocks: Current Issues

- Offenders without cars
- Offenders who pledge not to drive
- Overloaded probation officers
- No requirement for reporting
- Negative impact of reporting on providers
- Conflict with suspension laws

may upout to get

#### Interlock Users: Why So Few?

#### California example:

- Convicted DWI offenders
   required by law to be placed
   on interlocks
   887
- Ordered to install by judges 83
- Offenders installing interlocks 18

#### Interlocks: Future Issues

- Can number of users be increased?
- Will forcing interlocks increase circumvention?
- Will that result in loss of effectiveness?
- Will courts apply pressure?
- Will requiring them for reinstatement reduce applications?
- Does interlock reduce crashes?

## Florida DMV Interlock Program

Uniquely strong program because —

- Offender performance on interlock closelymonitored
- Provision for existing treatment provider to intervene with poor performing offenders
- Carefully developed system for increased treatment for interlock offenders who continue to record high BAC events

## Florida Interlock Law is a Model Program

- There is a strong trend for states to provide for administrative interlock programs.
  - California: Interlock can be substituted for the second year of a 2-year suspension.
  - New Mexico: Any suspended offender can obtain a limited license to drive with an interlock-equipped vehicle.
  - Michigan: Interlocks required for reinstatement.

## Important to Evaluate Florida Interlock Program

- Because judges must require the interlock to provide the requirement at reinstatement, it is important to demonstrate its effectiveness.
- Florida can provide an important guide for other states —
  - The importance of monitoring
  - The importance of having an integrated treatment program

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### Future Methods for Controlling DUI

- Interlocks for all DUI offenders.
- Vehicle impoundment at time of arrest.
  - Release when interlock is installed.
- Integration of treatment program with interlock.
- Rational determination of period on interlock.
- Electronic house arrest or BAC monitoring as an alternative to interlock.

