

First Offenders in NM

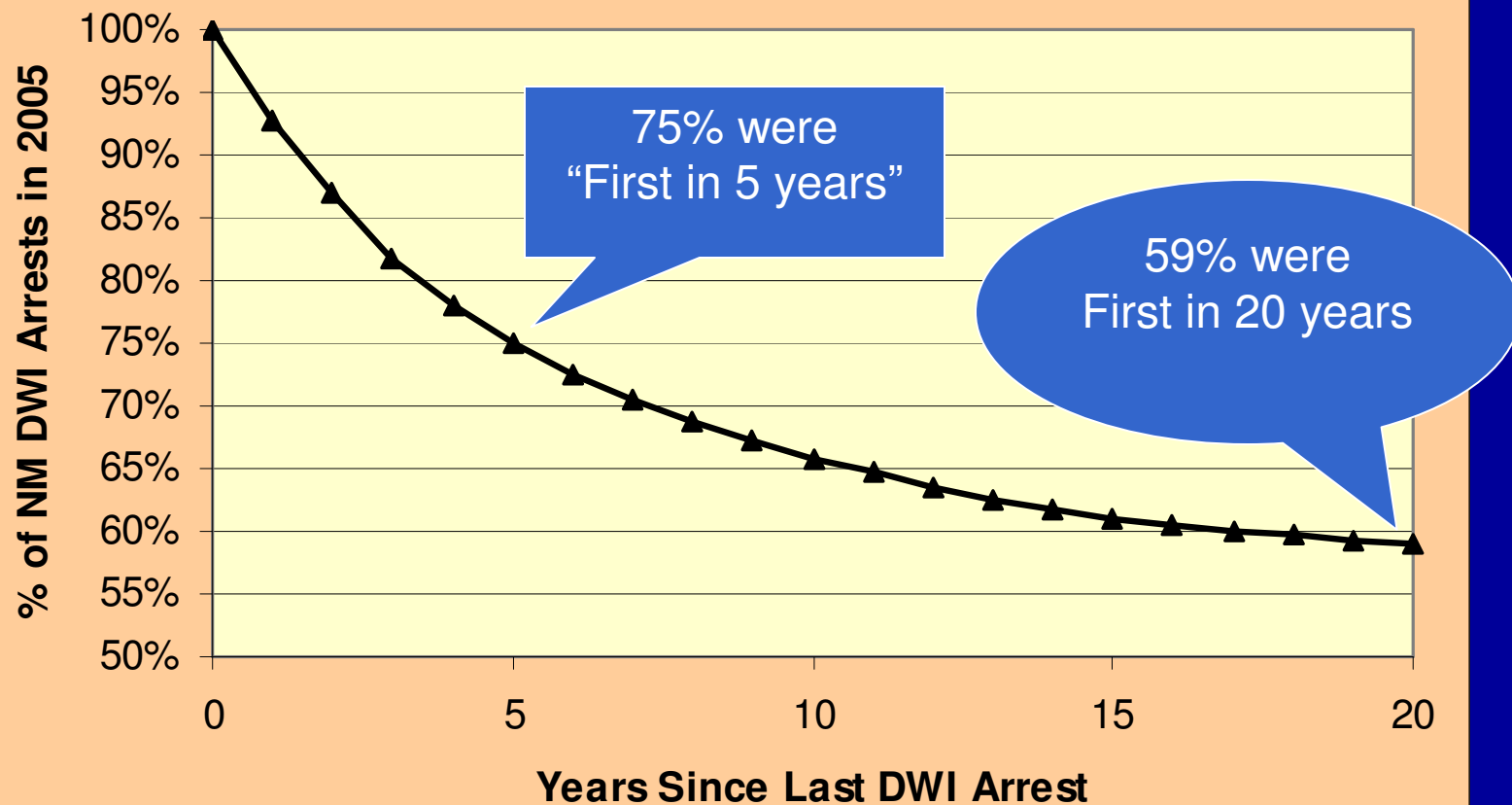
Dick Roth, Bob Voas, Paul Marques
2006 Ignition Interlock Symposium

PIRE

funded by NHTSA and
RWJ-SAPRP

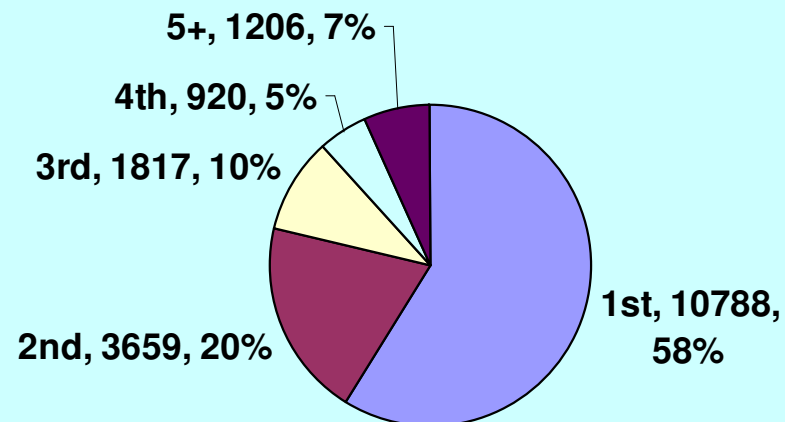
What is a First Offender? DWI Offenders vs Years Since Last Arrest For 17766 DWI Arrests in New Mexico in 2005

The Percentage of First Offenders Depends on Look-back Time



The Majority of DWIs Are First Offenders

NM DWI Arrests in 2005

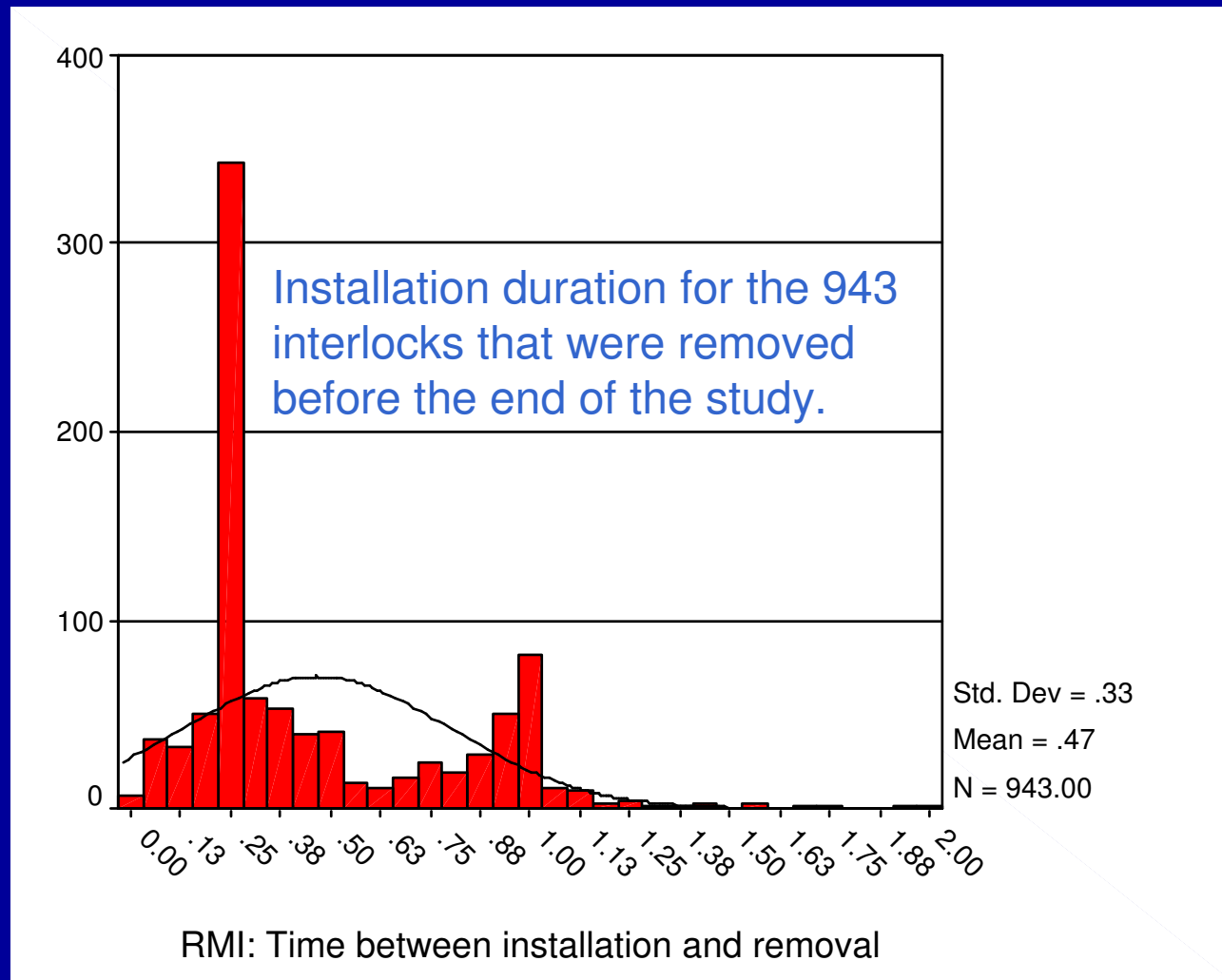


- To Reduce Recidivism, You cannot ignore First Offenders
- To Reduce First Offenders, General Deterrence & Prevention

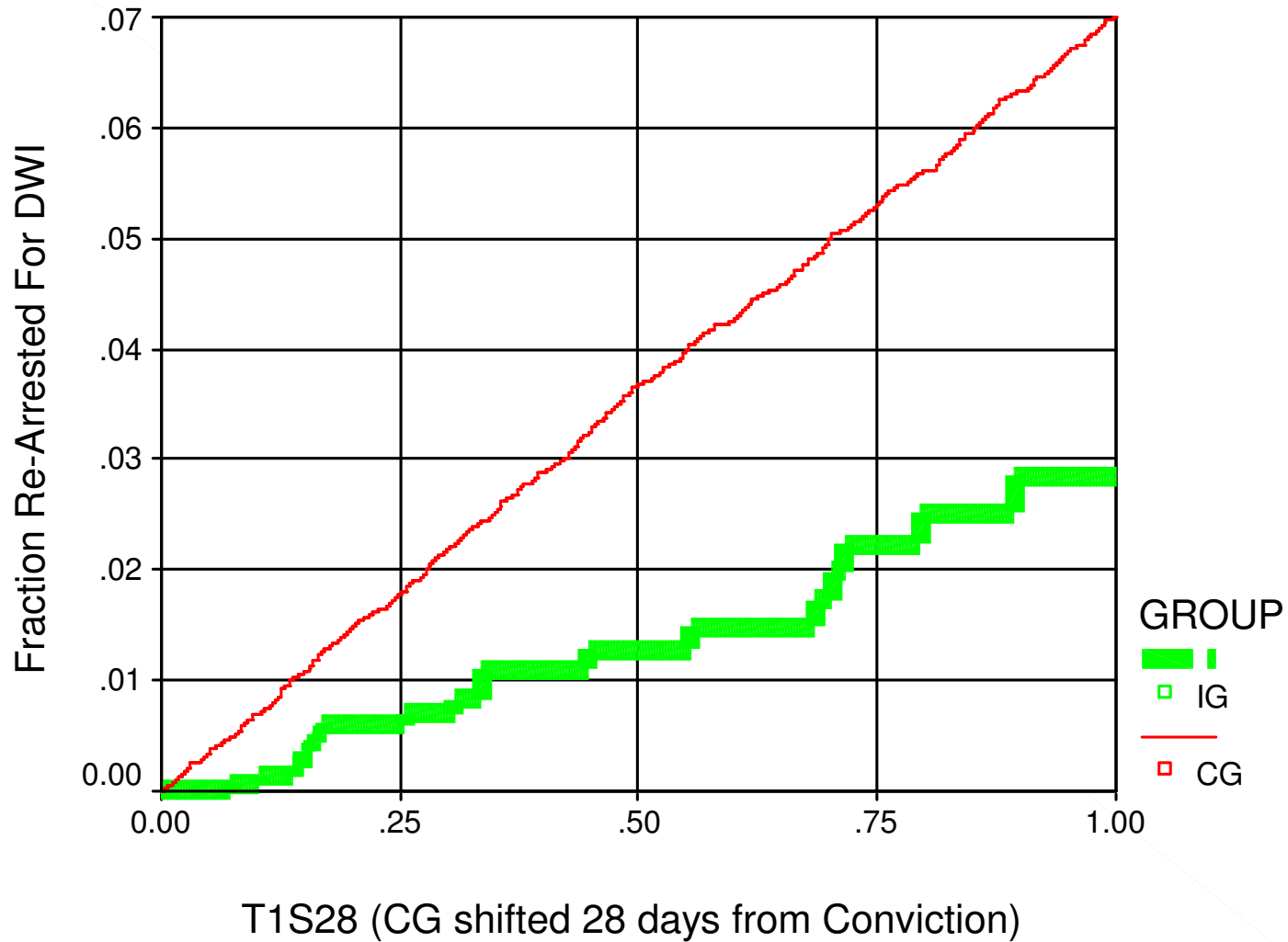
NM First DWI Conviction Study

- Time Period: First Convictions between January 2003 and December 2005.
- Treatment Group: 1461 First Offenders who installed interlocks within 90 days of conviction.
- Comparison Group: 17,562 First Offenders who did not install interlocks.
- Cox Multivariate Proportional Hazards Regression (Gender, Age, BAC, Group)

Most First Offender Interlocks were installed for only 3 months

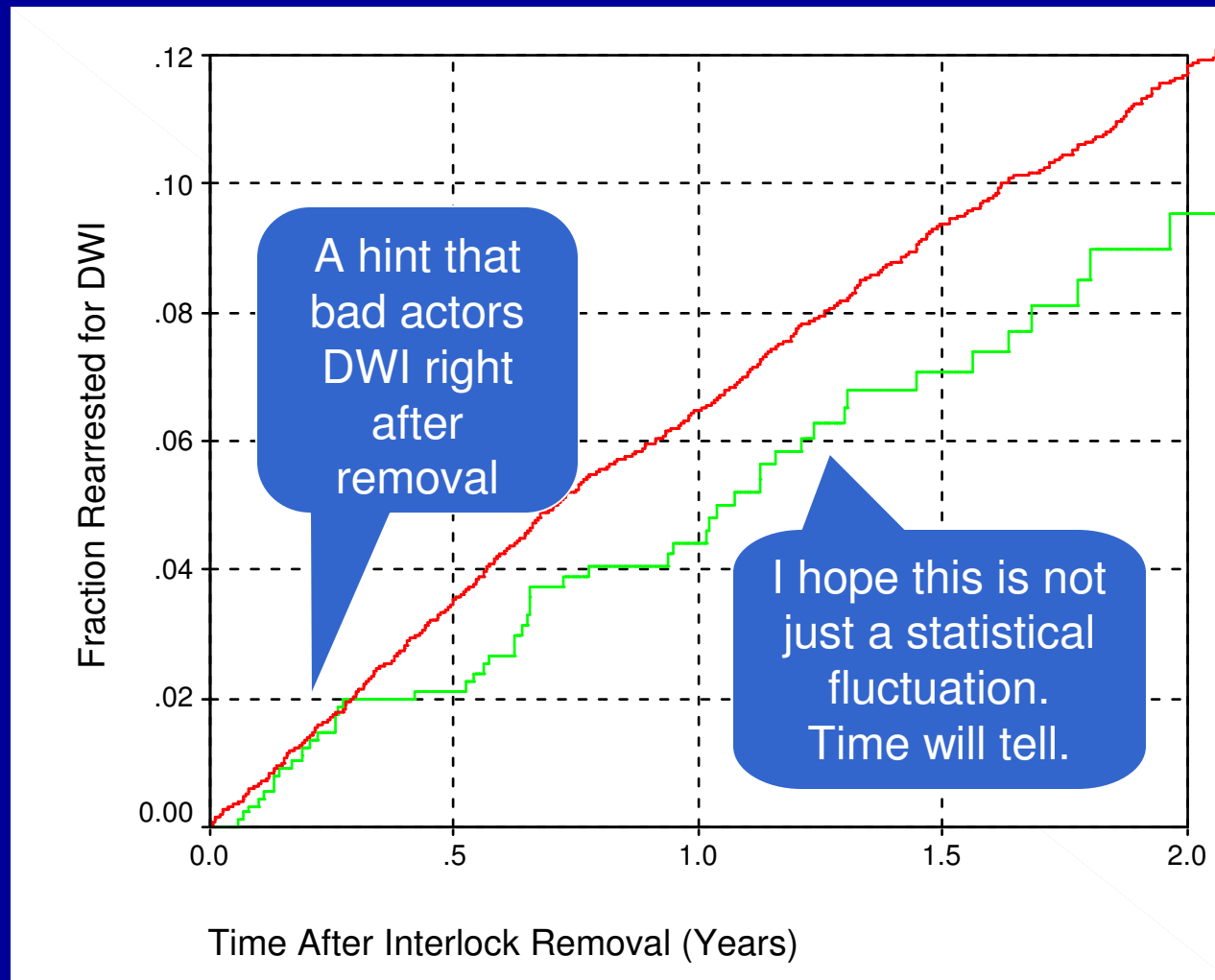


FCS4 Recidivism During Installation

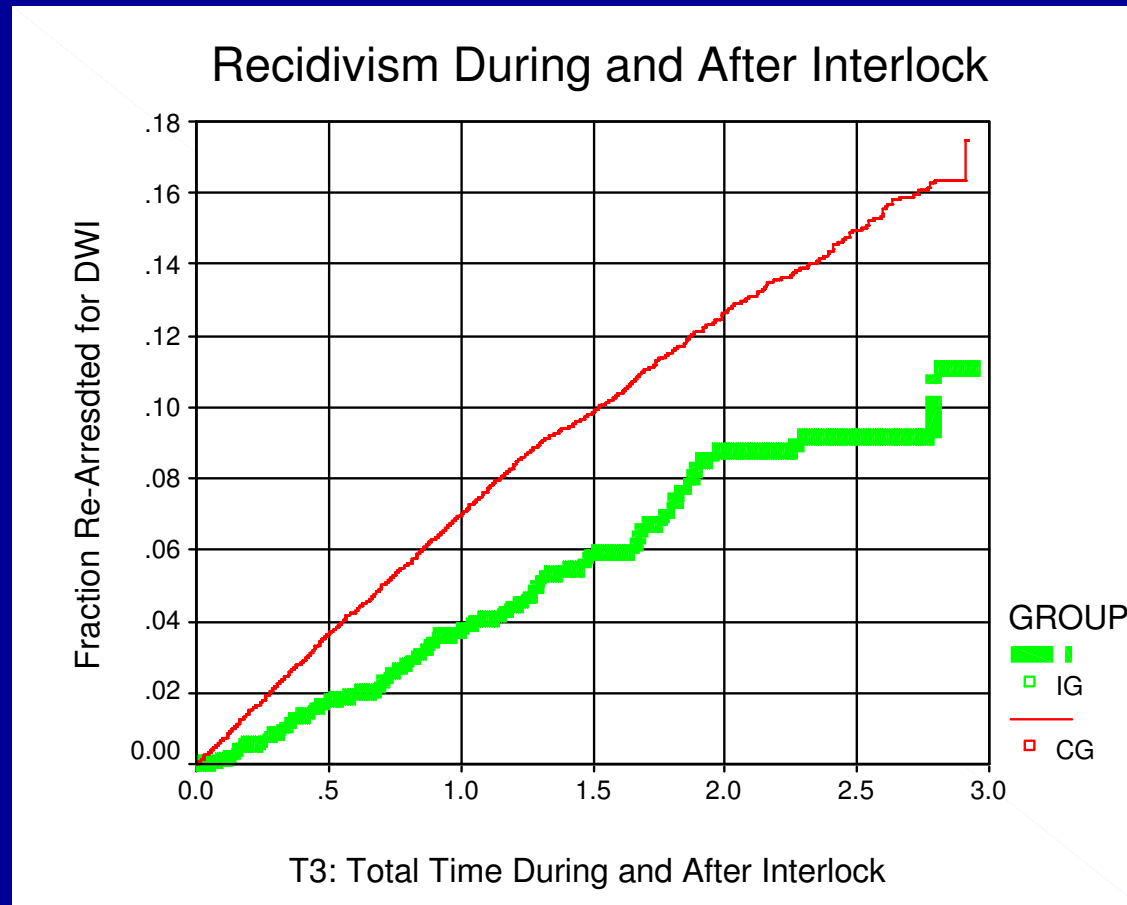


Interlocked First Offenders Have 62% Less Recidivism.

After Removal Those Who Were Interlocked Still Have a 19% Lower Recidivism Rate...but N is not large enough for it to be statistically significant. Hazard Ratio= 0.81, $p=0.16$, in a multivariate regression.



For 3 years following interlock installation,
Those first offenders who installed
“mandated” interlocks had lower recidivism.



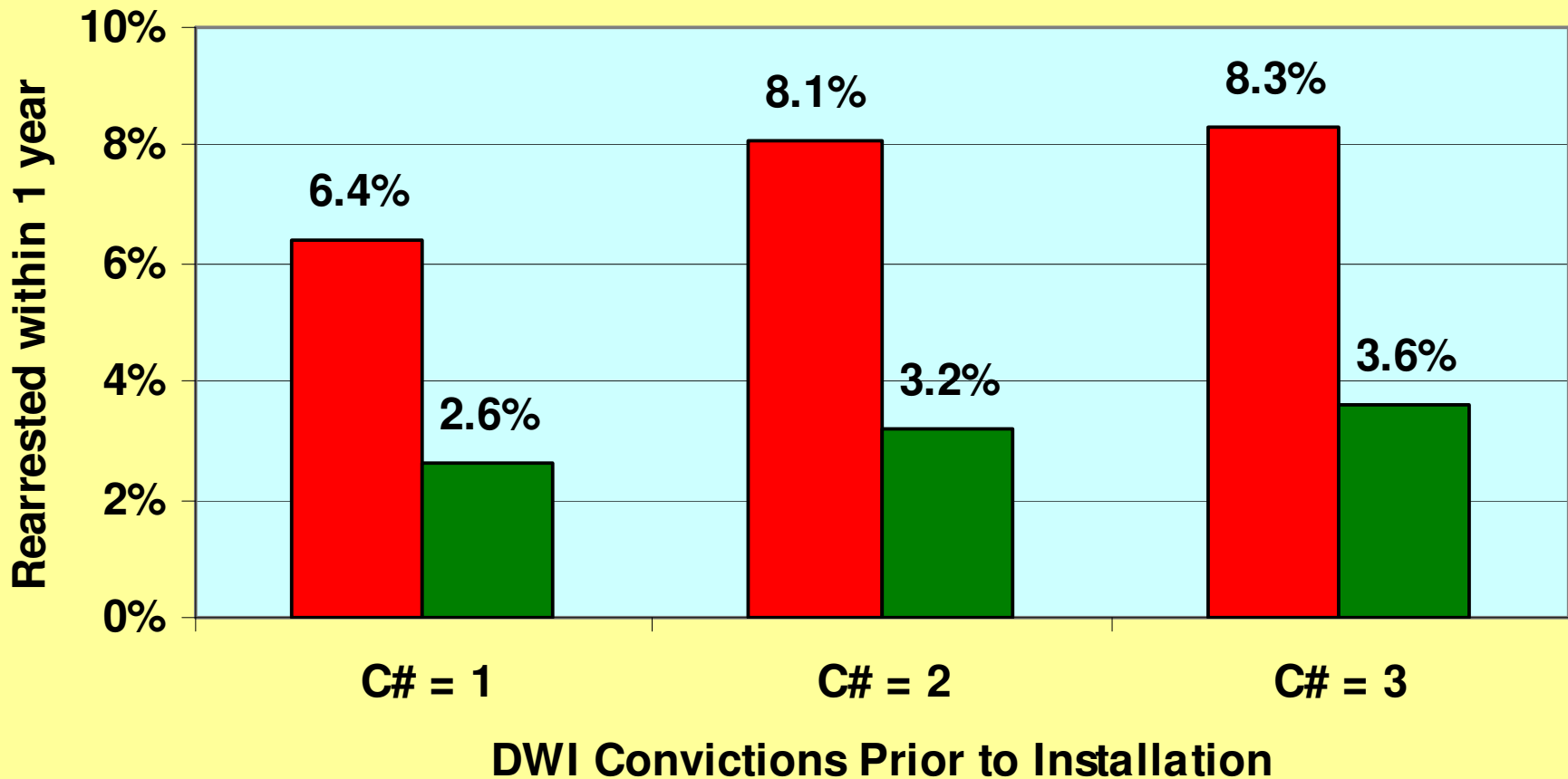
H.R. = 0.61

P < 0.001

Interlocks are Effective with Court Mandated Offenders

Recidivism of Mandated Interlocked Offenders vs Comparison Group by Conviction Number

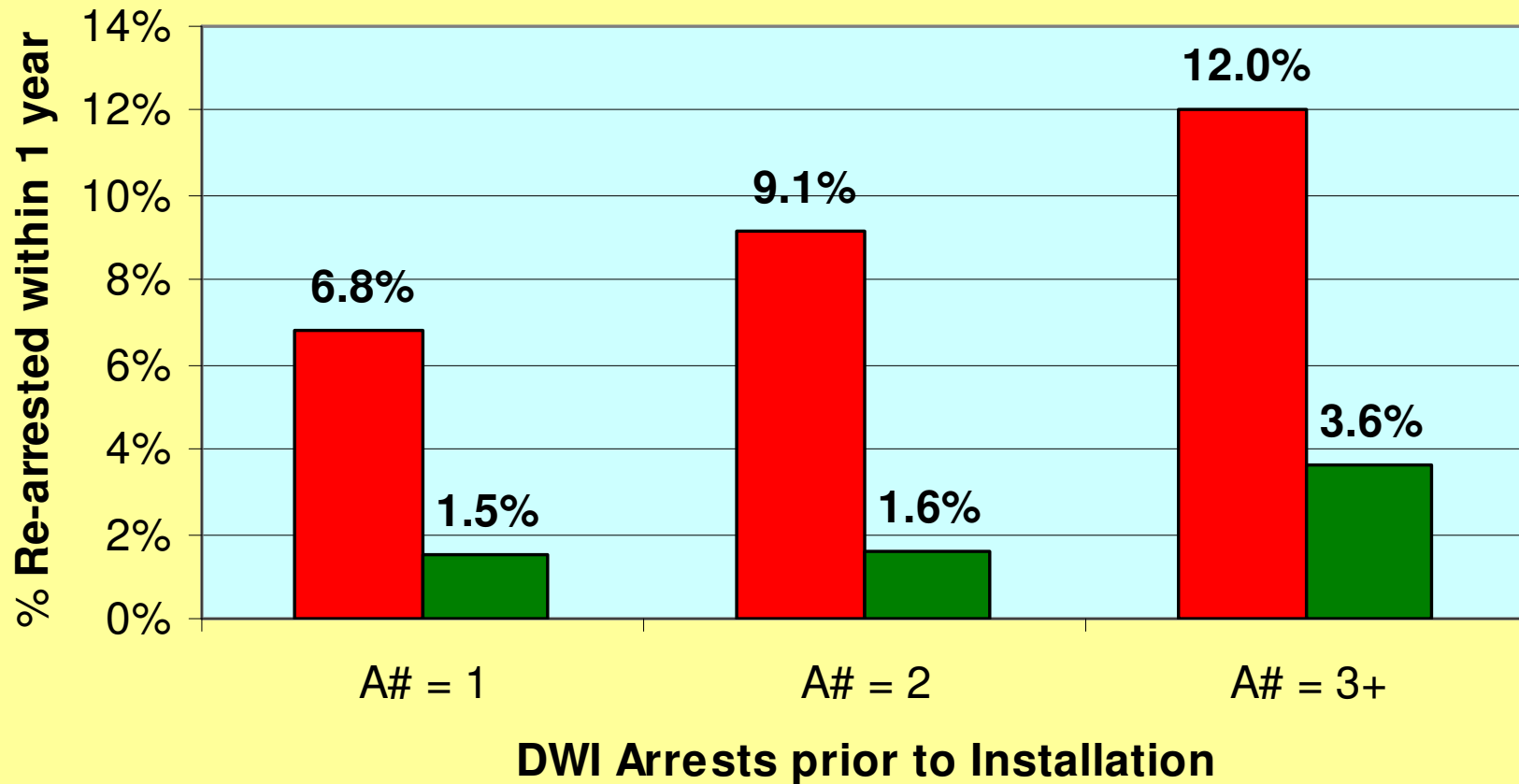
Comparison Groups **Interlocked Groups**



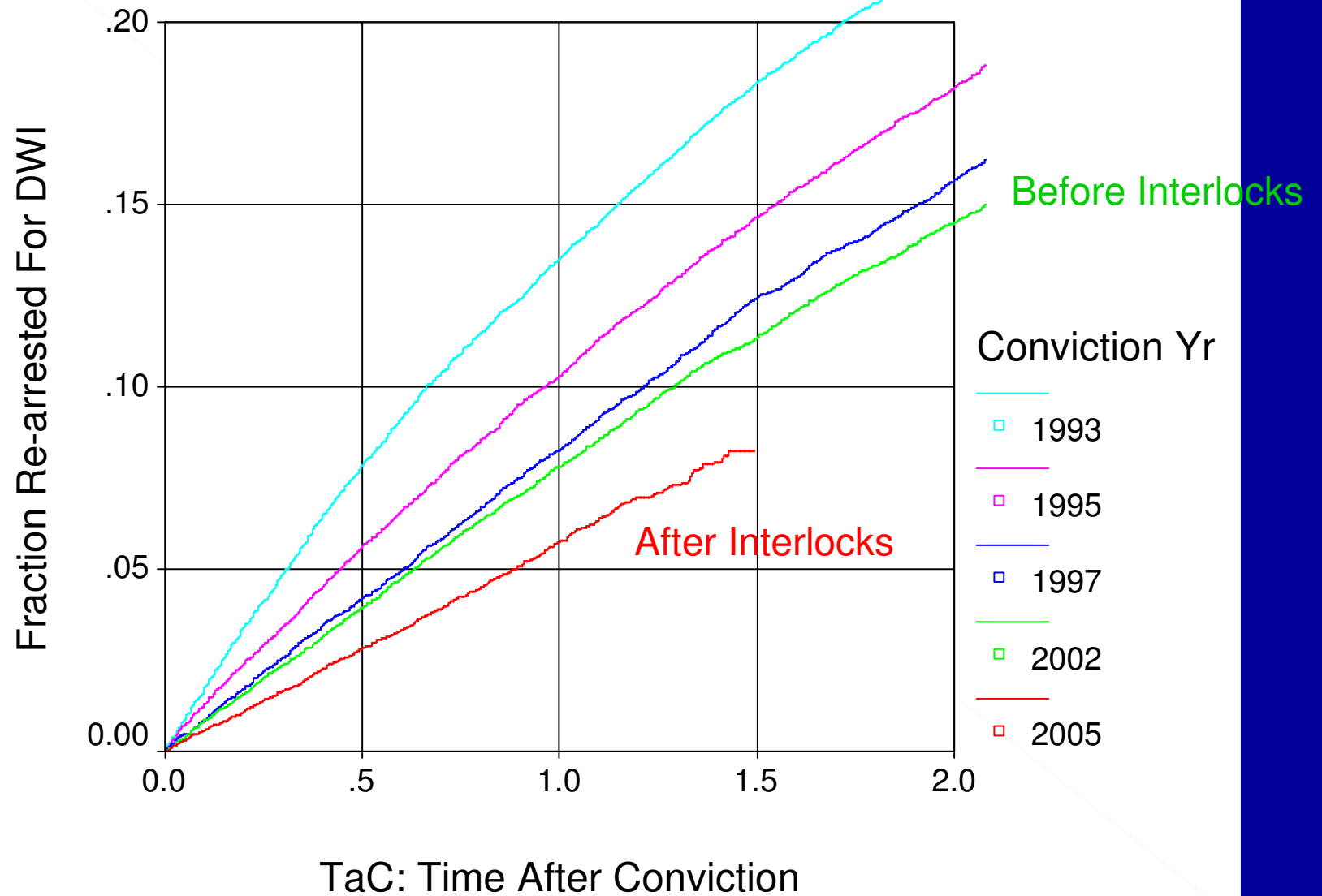
Recidivism of Non-mandated Interlocked offenders vs Comparison Group by Arrest Number

Comparison Groups

Interlocked Groups

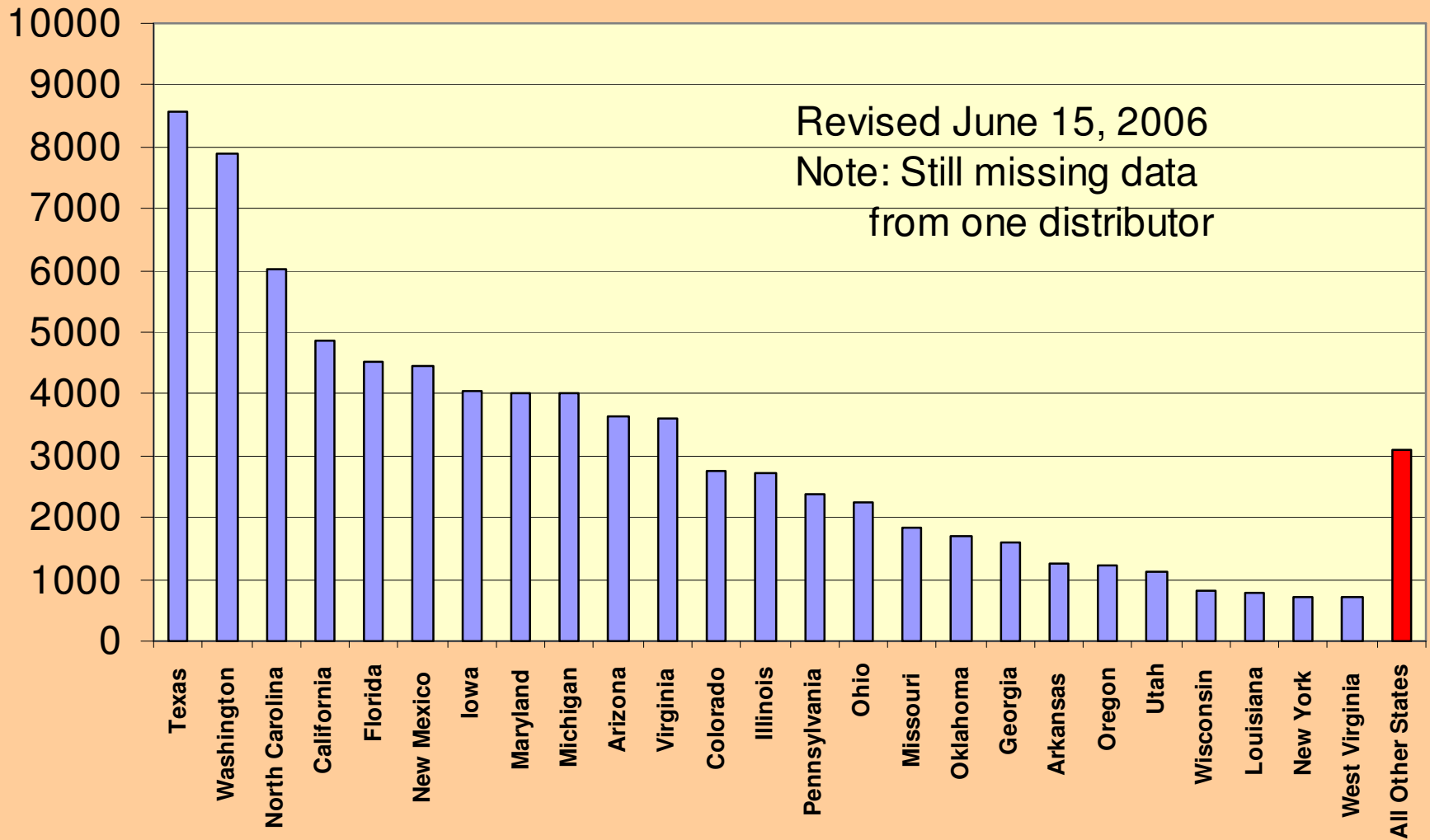


DWI Recidivism in New Mexico



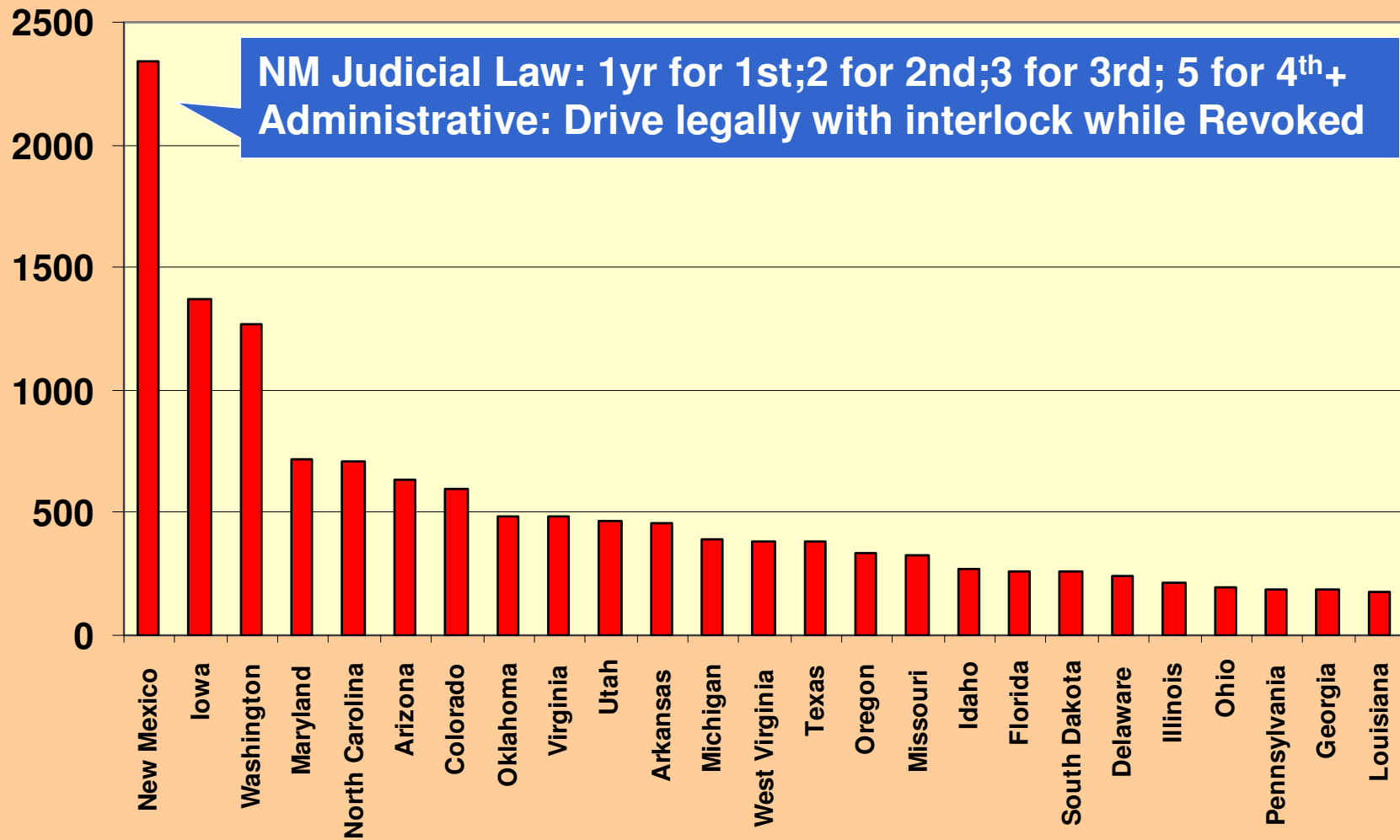
Currently Installed Interlocks by State

2006 Data from 8 of 9 Interlock Distributors; Plot by Dick Roth, June 10, 2006

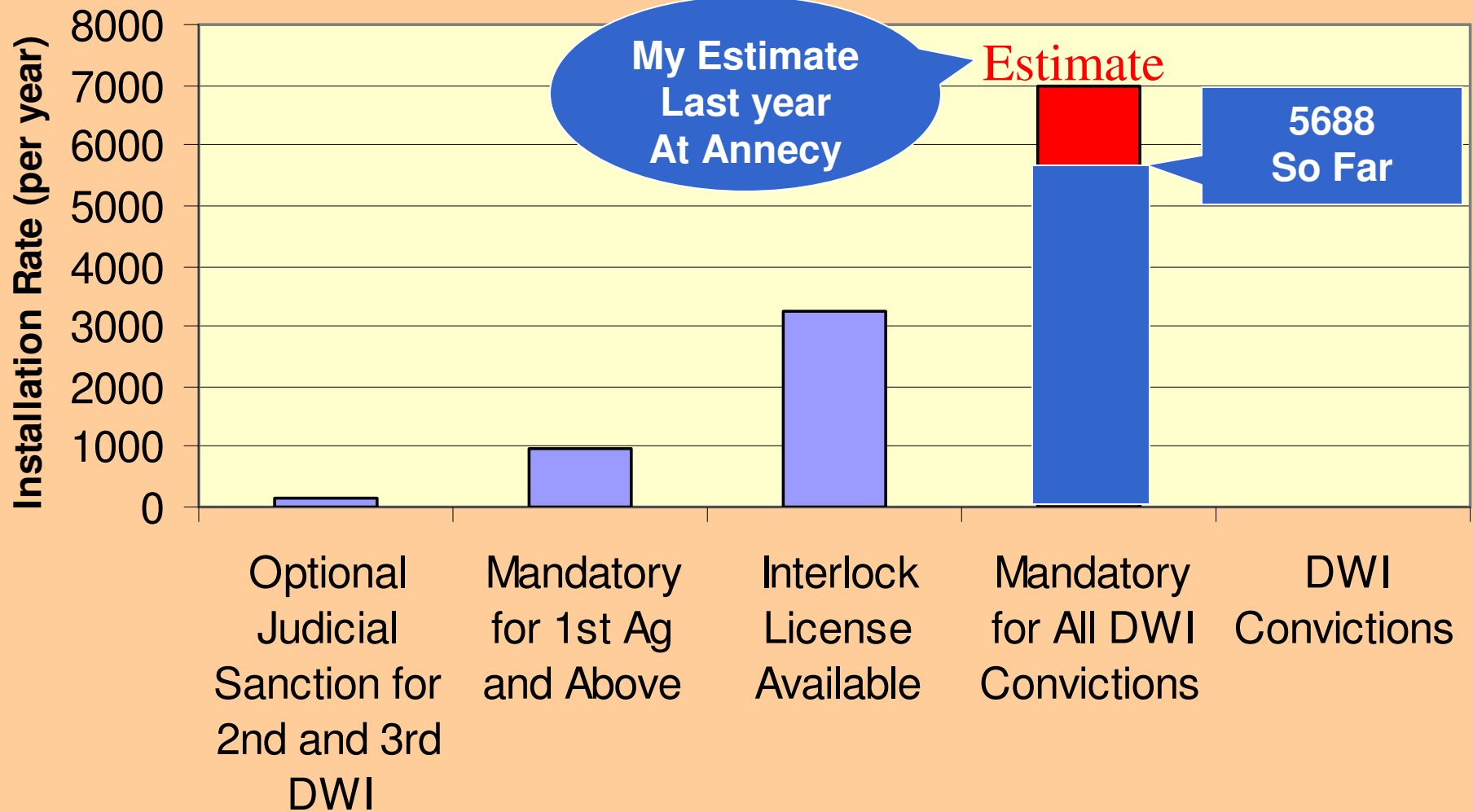


Currently-Installed Interlocks per Million Residents by State

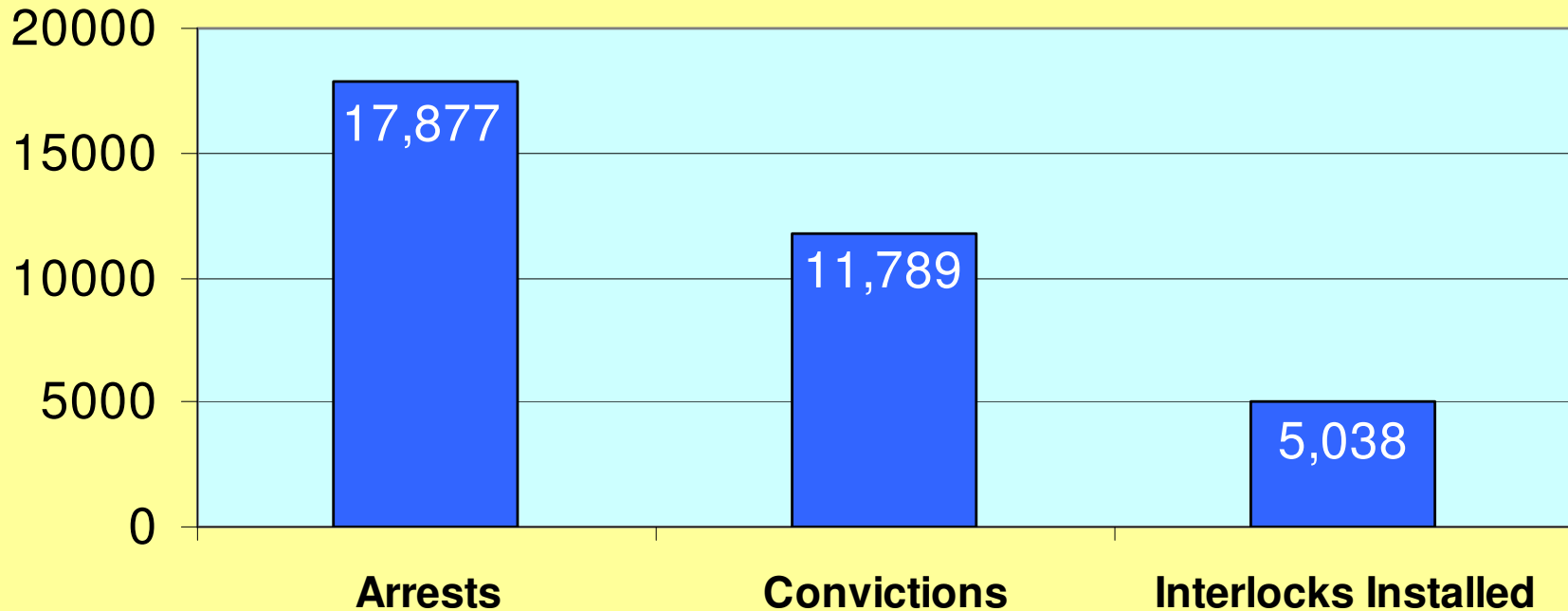
2006 Data from 8 of 9 US Interlock Distributors; Plot by Dick Roth June 15, 2006



Ignition Interlock Installation Rates Under Various Laws in NM



**NM DWI Arrests, Convictions, and Interlock Installations
in the year after September 17, 2005,
when interlocks became mandatory for all convicted DWIs.**



**Interlocks Installed per Arrest = 0.28 Highest
Interlocks Installed per Conviction = 0.43 in World**

Interlock Installation Rate is increasing.

The Number of Currently-Installed Interlocks is Increasing.