



EVALUATION OF COLORADO'S VOLUNTARY ALCOHOL IGNITION INTERLOCK PROGRAM 1996-2000

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VOLUNTARY INTERLOCK PROGRAM: MAJOR ELEMENTS



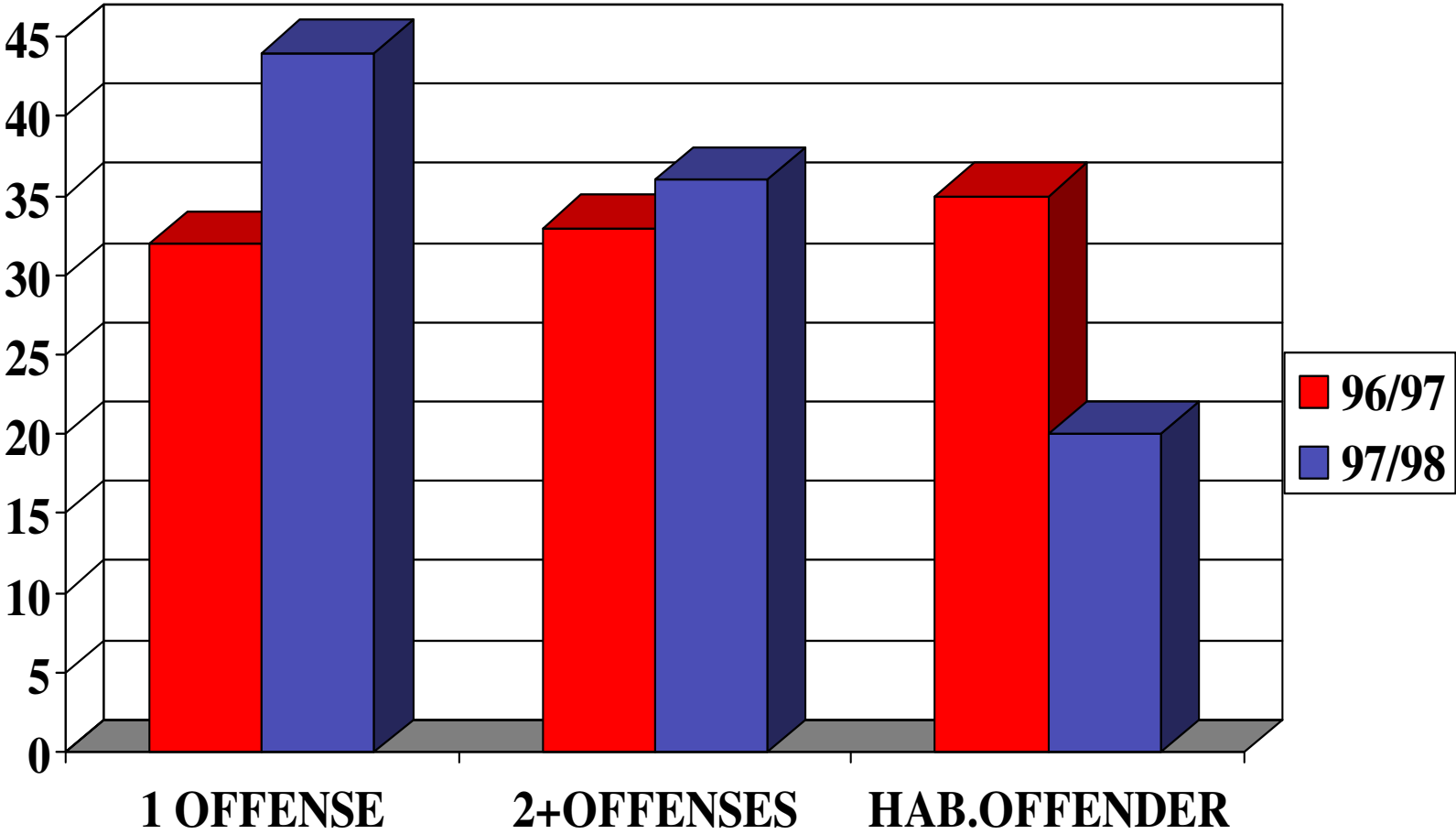
- **PERSONS CONVICTED OF ALCOHOL OFFENSE MAY:**
 - **APPLY AFTER MINIMUM REVOCATION PERIOD,**
 - **BE APPROVED AT FORMAL HEARING,**
 - **OBTAIN I-PDL, AND**
 - **INSTALL INTERLOCK**
- **REMAINING REVOCATION TIME DOUBLED (AT LEAST SIX MONTHS).**
- **MANY REASONS FOR AUTOMATIC DENIAL (PRIOR DUS/DUR, FTA, ETC.)**
- **REQUIRED TO CLEAR UP OUTSTANDING JUDGEMENTS & WARRANTS**
- **DETERMINED TO BE "SUITABLE" BY HEARING OFFICER**
- **WOULD LOSE INTERLOCK IF FOUND ATTEMPTING CIRCUMVENTION**



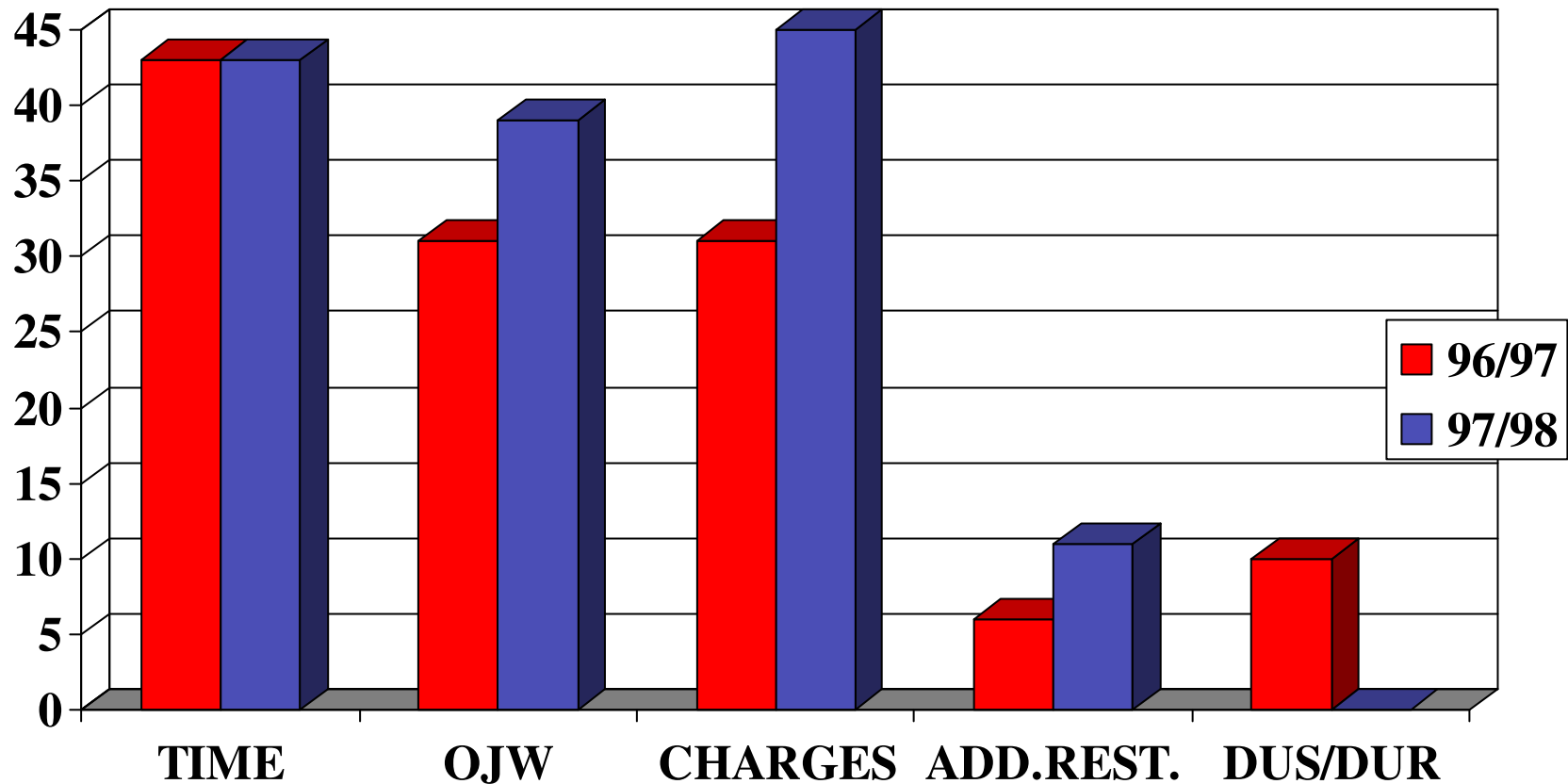
METHODS AND STUDY GROUPS

- **MOTOR VEHICLE DIVISION DATABASE:** arrests, convictions, outstanding judgments and warrants
- **ALCOHOL AND DRUG DIVISION DATABASE:** evaluations of persons convicted of alcohol offense including demographics, drinking severity, and alcohol concentration
- **HEARINGS INTERLOCK MODULE:** monitoring information recorded by hearings officer
- **VENDOR MONITORING TAPES;** downloaded each month and sent to hearings section
- **STUDY GROUPS:**
 - **INTERLOCK USERS (501),**
 - **POST-INTERLOCK (387),**
 - **PERSONS WHO APPLIED BUT DID NOT INSTALL (349), AND**
 - **RANDOM SAMPLE OF PERSONS EVALUATED BY ADAD IN 1995(584)**

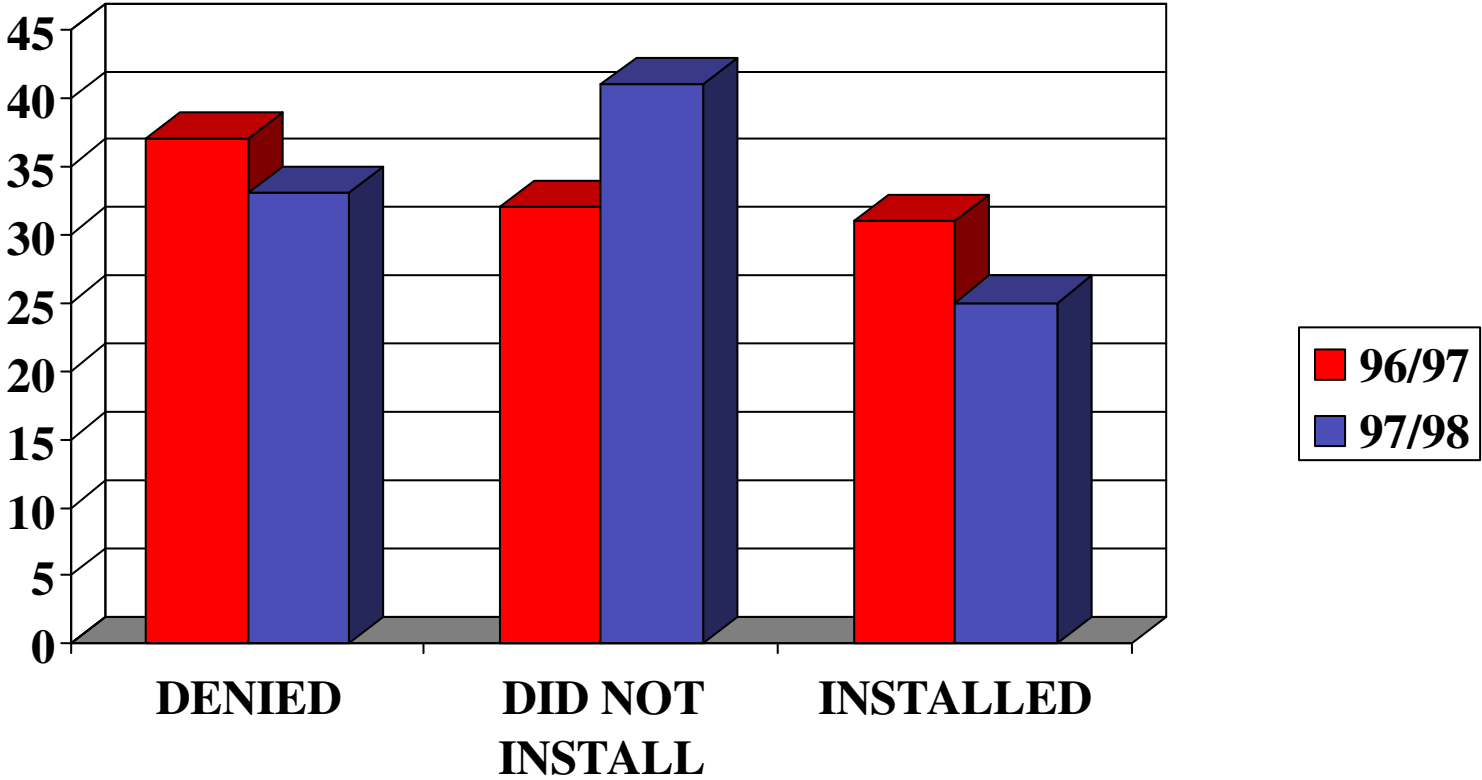
GRAPH 1: PERCENT OF INTERLOCK APPLICANTS BY DUI OFFENSE STATUS IN 1996/97(N=871) AND 1997/98(N=868)



**GRAPH 2: REASONS FOR STATUTORY INELIGIBILITY (PERCENT)
WITH SPECIFIC REASON IN 1996/97(N=304) AND
1997/98(N=249)**



**GRAPH 3: OUTCOME OF INTERLOCK APPLICATIONS (PERCENT)
IN 1996/97(N=871) AND 1997/98(N=868)**

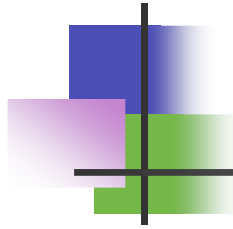




REASONS GIVEN FOR NOT INSTALLING INTERLOCKS

- **NO DOUBLING OF REVOCATION TIME** 88%
- **WOULD WAIT TO GET LICENSE BACK** 66%
- **MONTHLY FEE OF \$47 TOO HIGH** 41%
- **MONTHLY CHECK TOO MUCH TROUBLE** 25%

**NUMBERS AND RATES OF ALCOHOL AND NON-ALCOHOL OFFENSES
BY STUDY GROUP**



STUDY GROUP	N	Total person years	Number with alcohol offenses	Number with non-alcohol offenses	Rate of alcohol events per 100 person-years	Rate of non-alcohol events per 100 person-years
Interlock (for period installed)	501	833.08	8	71	0.96	8.52
Post Interlock	387	346.01	12	54	3.47	15.61
Applicants who did not install	349	349.72	14	23	4.00	6.58
Random sample of non-applicants	584	585.20	35	46	5.98	7.86



REASONS FOR CANCELLATION WHILE ON INTERLOCK: ALCOHOL AND OTHER

- **ALCOHOL(8):**

- 7= STOPPED FOR DRINKING AND DRIVING IN ANOTHER VEHICLE**

- 1= WAS DRUNK(BAC-.21%) & HAD SON BLOW INTO INTERLOCK DEVICE TO START CAR**

- **NON-ALCOHOL RELATED(42):**

- 9= DRIVER INITIATED (i.e. cost, moved, death, cancer)**

- 9= OTHER TRAFFIC OFFENSES**

- 8=MULTIPLE FAILS AND LOCKOUTS**

- 7= MISTAKENLY ISSUED (e.g. STATUTORY DENIAL)**

- 1= TAMPERING REPORTED BY VENDOR**

- 1= NON-ALCOHOL VIOLATION IN ANOTHER VEHICLE**

- 7= MISCELLANEOUS (including “appearing” drunk at interlock hearing)**

FIGURE 1: TIME UNTIL FIRST ALCOHOL OFFENSE: COMPARISON OF DRIVER GROUPS WITH AND WITHOUT ALCOHOL IGNITION INTERLOCKS

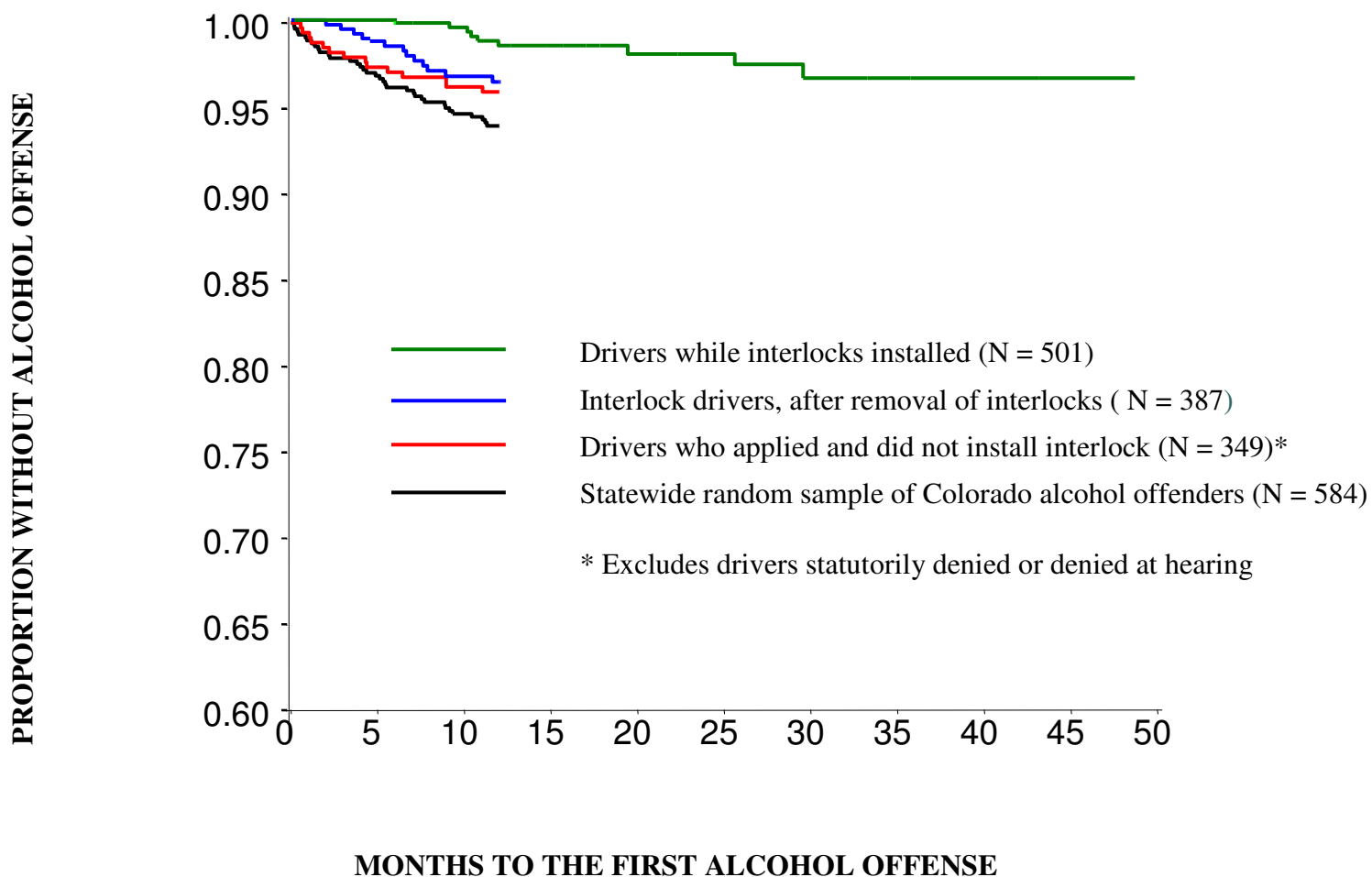
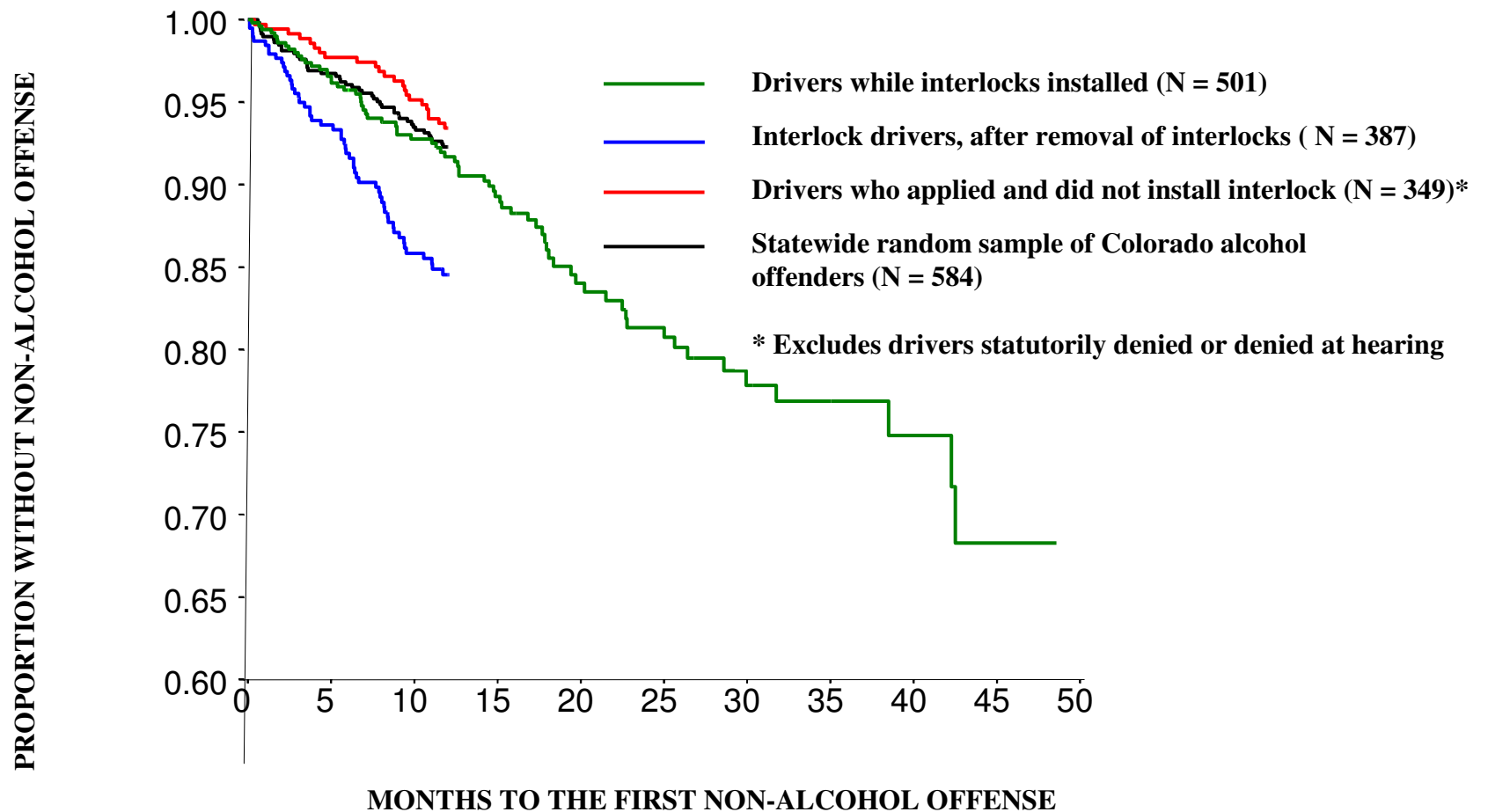


FIGURE 2: TIME UNTIL FIRST NON-ALCOHOL OFFENSE: COMPARISON OF DRIVER GROUPS WITH AND WITHOUT ALCOHOL IGNITION INTERLOCKS



P-VALUES FOR PAIR-WISE COMPARISONS FOR TIME TO ALCOHOL OFFENSE

Study Group	Interlock	Post-Interlock	Applicants who did not install	Random sample non-applicants
Interlock				
Post-Interlock	0.0310			
Applicants who did not install	0.0084	0.6374		
Random sample non-applicants	0.0001	0.0726	0.1925	

P-VALUES OF PAIR-WISE COMPARISONS FOR TIME TO NON-ALCOHOL OFFENSE

Study Group	Interlock	Post-Interlock	Applicants who did not install	Random sample non-applicants
Interlock				
Post-Interlock	0.0015			
Applicants who did not install	0.3094	0.0001		
Random sample non-applicants	0.7177	0.0002	0.5013	



CHANGES MADE AFTER PILOT INTERLOCK PROGRAM ENDED

- **1999: MADE INTERLOCK MANDATORY FOR REPEAT OFFENDERS FOR ONE YEAR AT TIME OF REINSTATEMENT**

- **2000: INTERLOCK LAW MADE PERMANENT AND EXPANDED TO BE AVAILABLE TO:**
 - OFFENDERS WITH PRIOR DUS/DUR CONVICTIONS AND
 - OFFENDERS WHO HAVE NOT CLEARED UP OUTSTANDING JUDGMENTS AND WARRANTS

- **ELIMINATED BOTH INITIAL HEARING AND DOUBLING OF REMAINING REVOCATION TIME**

- **CONTINUED PARTICIPATION OF THOSE ATTEMPTING TO DRINK AND DRIVE BY LENGTHENING REVOCATION**

- **MADE INTERLOCKS VOLUNTARILY AVAILABLE TO OFFENDERS WITH TWO DWAI_s AFTER ONE YEAR'S MANDATORY REVOCATION**