Prevalence of Alcohol and Other Drug Use among Motor Vehicle Crash Victims
Admitted to Select Trauma Centers

De-identified Data Provided by Trauma Center or Medical Examiner
(All data are from secondary sources)

Mechanism of Injury

1. Case Start Location
    ☐ Trauma Center
    ☐ Medical Examiner

2. Mechanism of Injury
    ☐ Motor vehicle crash
    ☐ Other motorized transportation
    ☐ Non-motorized transportation
    ☐ Fall
    ☐ Drowning
    ☐ Fire/burn
    ☐ Nature/environmental
    ☐ Other trauma, unspecified
    ☐ Other trauma, specified

3. Position in Crash
    ☐ Driver (including motorcycle)
    ☐ Passenger (including motorcycle)
    ☐ Bicycle rider/ driver
    ☐ Pedestrian
    ☐ Scooter
    ☐ Unknown vehicle occupant location
    ☐ Other: _____
    ☐ Not applicable

4. Type of motor vehicle
    ☐ Car
    ☐ SUV
    ☐ Pick-up truck
    ☐ Van
    ☐ Motorcycle
    ☐ Semi-truck
    ☐ Other commercial vehicle: _____
    ☐ Other passenger vehicle: _____
    ☐ Cannot be determined
    ☐ Not applicable

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5. Protective Devices (select all that apply)
   - ☐ Airbag
   - ☐ Seatbelt
   - ☐ Helmet
   - ☐ Unknown
   - ☐ None
   - ☐ Not applicable

6. Drug Administered Prior to Arrival (select all that apply)
   - ☐ None
   - ☐ Ativan
   - ☐ Fentanyl
   - ☐ Morphine
   - ☐ Versed

Arrival Day/Time

7. Arrival Day of Week
   - ☐ Monday
   - ☐ Tuesday
   - ☐ Wednesday
   - ☐ Thursday
   - ☐ Friday
   - ☐ Saturday
   - ☐ Sunday

8. Arrival Month
   - ☐ January
   - ☐ February
   - ☐ March
   - ☐ April
   - ☐ May
   - ☐ June
   - ☐ July
   - ☐ August
   - ☐ September
   - ☐ October
   - ☐ November
   - ☐ December

9. Arrival Time
   - ☐ 12:00am-2:59am
   - ☐ 3:00am-5:59am
   - ☐ 6:00am-8:59am
   - ☐ 9:00am-11:59am
   - ☐ 12:00pm-2:59pm
   - ☐ 3:00pm-5:59pm
   - ☐ 6:00pm-8:59pm
   - ☐ 9:00pm-11:59pm

Blood Tube Scan

10. Blood Tube ID: _____

Demographics

11. Age (in years)
    - ☐ 18-20
    - ☐ 21-34
    - ☐ 35-64
    - ☐ 65+

12. Sex
    - ☐ Male
    - ☐ Female

13. Race (select all that apply)
    - ☐ White
    - ☐ Black or African American
    - ☐ Asian
    - ☐ Native American or Alaska Native
    - ☐ Hawaiian or Pacific Islander
    - ☐ More than one race
    - ☐ Unknown
    - ☐ Other: _____

14. Hispanic/Latino
    - ☐ Yes
    - ☐ No

Treatment and Outcomes

15. Trauma Designation
   - ☐ Alert
   - ☐ 1
   - ☐ 2
   - ☐ 3

16. Drugs Administered Prior to blood draw (select all that apply)
   - ☐ None
   - ☐ Ativan
   - ☐ Dilaudid
   - ☐ Etomidate
   - ☐ Fentanyl
   - ☐ Haldol
   - ☐ Morphine
   - ☐ Versed

17. TRISS: _____

18. ISS: _____

19. ICD-10 Code: _____

20. Deceased
   - ☐ Yes
   - ☐ No

21. Death Day of Week
   - ☐ Monday
   - ☐ Tuesday
   - ☐ Wednesday
   - ☐ Thursday
   - ☐ Friday
   - ☐ Saturday
   - ☐ Sunday

22. Death Month
- ☐ January
- ☐ February
- ☐ March
- ☐ April
- ☐ May
- ☐ June
- ☐ July
- ☐ August
- ☐ September
- ☐ October
- ☐ November
- ☐ December

23. Time of Death
- ☐ 12:00am-2:59am
- ☐ 3:00am-5:59am
- ☐ 6:00am-8:59am
- ☐ 9:00am-11:59am
- ☐ 12:00pm-2:59pm
- ☐ 3:00pm-5:59pm
- ☐ 6:00pm-8:59pm
- ☐ 9:00pm-11:59pm

Table 1.   Drugs for screening and confirmation with cutoff levels

Drugs: Grouped by Class/Screening Package	Minimum Blood Concentration Detection Thresholds (ng/mL)	
	ELISA Screen	LC-MS/MS Confirm
Cocaine, benzoylecgonine, cocaethylene	25	10
6-AM, codeine, morphine, hydrocodone, hydromorphone	25	10
Amphetamine, methamphetamine, MDMA, MDA, ephedrine, pseudoephedrine, phenylpropanolamine	20	10
THC, THC-COOH, 11-OH-THC	5	1
Phencyclidine	10	10
Buprenorphine, norbuprenorphine	1	1
Alprazolam, chlordiazepoxide, oxazepam, nordiazepam, lorazepam, diazepam, clonazepam, 7-aminoclonazepam, temazepam	20	10
Phenobarbital, secobarbital, butalbital	100	100
Methadone, EDDP	50	10
Diphenhydramine, doxylamine, chlorpheniramine	25	10
Fentanyl, norfentanyl, furylfentanyl, acetylfentanyl, carfentanil, fluorofentanyl	1	0.5
Oxycodone; Oxymorphone	25	10
Tramadol	50	10
Carisoprodol; Meprobamate	500	500
Sertraline	50	10
Fluoxetine	50	10
Amitryptiline, nortriptyline, doxepin, imipramine, desipramine, citalopram, venlafaxine, trazadone, cyclobenzaprine	25	10
Zolpidem	10	10
Dextromethorphan	50	20
Ketamine	10	10
α-Pyrrolidinopentiophenone	5	1