



U.S. Department of Transportation  
National Highway Traffic Safety  
Administration

## OCCUPANT INJURY FORM

Form Approved  
O.M.B. No. 2127-0021  
NATIONAL ACCIDENT SAMPLING SYSTEM  
CRASHWORTHINESS DATA SYSTEM

1. Primary Sampling Unit Number _____	3. Vehicle Number _____
2. Case Number - Stratum _____	4. Occupant Number _____

### INJURY DATA

Record below the actual injuries sustained by this occupant that were identified from the official and unofficial data sources. Remember not to double count an injury just because it was identified from two different sources. If greater than ten injuries have been documented, encode the balance on the Occupant Injury Supplement.

	A.I.S. - 90										Occupant Area Intrusion Number
	Source of Injury Data	Body Region	Type of Anatomic Structure	Specific Anatomic Structure	Level of Injury	A.I.S. Severity	Aspect	Injury Source	Injury Source Confidence Level	Direct/ Indirect Injury	
1st	5. ___	6. ___	7. ___	8. ___	9. ___	10. ___	11. ___	12. ___	13. ___	14. ___	15. ___
2nd	16. ___	17. ___	18. ___	19. ___	20. ___	21. ___	22. ___	23. ___	24. ___	25. ___	26. ___
3rd	27. ___	28. ___	29. ___	30. ___	31. ___	32. ___	33. ___	34. ___	35. ___	36. ___	37. ___
4th	38. ___	39. ___	40. ___	41. ___	42. ___	43. ___	44. ___	45. ___	46. ___	47. ___	48. ___
5th	49. ___	60. ___	51. ___	52. ___	53. ___	54. ___	55. ___	56. ___	57. ___	58. ___	59. ___
6th	60. ___	61. ___	62. ___	63. ___	64. ___	65. ___	66. ___	67. ___	68. ___	69. ___	70. ___
7th	71. ___	72. ___	73. ___	74. ___	75. ___	76. ___	77. ___	78. ___	79. ___	80. ___	81. ___
8th	82. ___	83. ___	84. ___	85. ___	86. ___	87. ___	88. ___	89. ___	90. ___	91. ___	92. ___
9th	93. ___	94. ___	95. ___	96. ___	97. ___	98. ___	99. ___	100. ___	101. ___	102. ___	103. ___
10th	104. ___	105. ___	106. ___	107. ___	108. ___	109. ___	110. ___	111. ___	112. ___	113. ___	114. ___

HS Form 433B (1/1997)

This report is authorized by P.L. 89-563, Title 1, Section 106, 108, and 112. While you are not required to respond, your cooperation is needed to make the results of this data collection effort comprehensive, accurate, and timely.

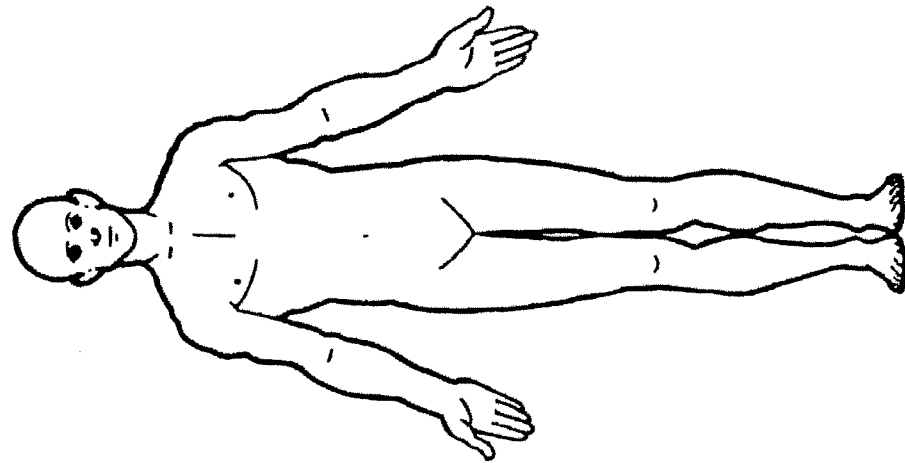
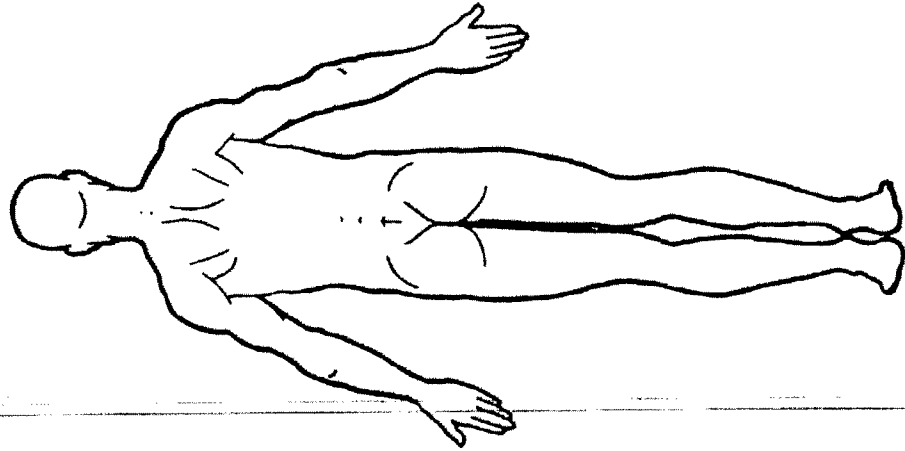
OCCUPANT INJURY CLASSIFICATION			
Body Region	Specific Anatomic Structure	Level of Injury	Aspect
(1) Head		Specific injuries are assigned consecutive two-digit numbers beginning with 02.  To the extent possible, within the organizational framework of the AIS, 00 is assigned to an injury NFS as to severity or where only one injury is given in the dictionary for that anatomic structure. 99 is assigned to any injury NFS as to lesion or severity.	(1) Right
(2) Face			(2) Left
(3) Neck			(3) Bilateral
(4) Thorax			(4) Central
(5) Abdomen			(5) Anterior
(6) Spine			(6) Posterior
(7) Upper Extremity			(7) Superior
(8) Lower Extremity			(8) Inferior
(9) Unspecified			(9) Unknown
			(10) Whole region
<b>Type of Anatomic Structure</b>	<u>Whole Area</u>		
(1) Whole Area	(02) Skin - Abrasion	<b>Abbreviated Injury Scale</b>	(1) Minor Injury
(2) Vessels	(04) Skin - Contusion		(2) Moderate Injury
(3) Nerves	(06) Skin - Laceration		(3) Serious Injury
(4) Organs (includes Muscles/ligaments)	(08) Skin - Avulsion		(4) Severe Injury
(5) Skeletal (includes joints)	(10) Amputation		(5) Critical Injury
(6) Head - LOC	(20) Burn		(6) Maximum (untreatable)
(9) Skin	(30) Crush		(7) Injured, unknown severity
	(40) Degloving		
	(50) Injury - NFS		
	(90) Trauma, other than mechanical		
	<u>Head - LOC</u>		
	(02) Length of LOC		
	(04) Level		
	(06) of		
	(08) Consciousness		
	(10) Concussion		
	<u>Spine</u>		
	(02) Cervical		
	(04) Thoracic		
	(06) Lumbar		
SOURCE OF INJURY DATA		INJURY SOURCE CONFIDENCE LEVEL	DIRECT/INDIRECT INJURY
<u>OFFICIAL RECORDS</u> (1) Autopsy records with or without hospital/medical records (2) Hospital/medical records other than emergency room (e.g., discharge summary) (3) Emergency room records only (including associated X-rays or other lab reports) (4) Private physician, walk-in or emergency clinic  <u>UNOFFICIAL RECORDS</u> (5) Lay coroner report (6) E.M.S. personnel (7) Interviewee (8) Other source (specify): _____ (9) Police		(1) Certain (2) Probable (3) Possible (9) Unknown	(1) Direct contact injury (2) Indirect contact injury (3) Noncontact injury (4) Air bag related injury (7) Injured, unknown source

## INJURY SOURCES

<p><b>FRONT</b></p> <p>(001) Windshield</p> <p>(002) Mirror</p> <p>(003) Sunvisor</p> <p>(004) Steering wheel rim</p> <p>(005) Steering wheel hub/spoke</p> <p>(006) Steering wheel (combination of codes 004 and 005)</p> <p>(007) Steering column, transmission selector lever, other attachment</p> <p>(008) Cellular telephone or CB radio</p> <p>(009) Add on equipment (e.g., tape deck, air conditioner)</p> <p>(010) Left instrument panel and below</p> <p>(011) Center instrument panel and below</p> <p>(012) Right instrument panel and below</p> <p>(013) Glove compartment door</p> <p>(014) Knee bolster</p> <p>(015) Windshield including one or more of the following: front header, A (A1/A2)-pillar, instrument panel, mirror, or steering assembly (driver side only)</p> <p>(016) Windshield including one or more of the following: front header, A (A1/A2)-pillar, instrument panel, or mirror (passenger side only)</p> <p>(017) Windshield reinforced by exterior object (specify):</p> <p>_____</p> <p>(019) Other front object (specify):</p> <p>_____</p> <p><b>LEFT SIDE</b></p> <p>(051) Left side interior surface, excluding hardware or armrests</p> <p>(052) Left side hardware or armrest</p> <p>(053) Left A (A1/A2)-pillar</p> <p>(054) Left B-pillar</p> <p>(055) Other left pillar (specify):</p> <p>_____</p> <p>(056) Left side window glass</p> <p>(057) Left side window frame</p> <p>(058) Left side window sill</p> <p>(059) Left side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, B-pillar, or roof side rail</p> <p>(060) Other left side object (specify):</p> <p>_____</p> <p><b>RIGHT SIDE</b></p> <p>(101) Right side interior surface, excluding hardware or armrests</p>	<p>(102) Right side hardware or armrest</p> <p>(103) Right A (A1/A2)-pillar</p> <p>(104) Right B-pillar</p> <p>(105) Other right pillar (specify):</p> <p>_____</p> <p>(106) Right side window glass</p> <p>(107) Right side window frame</p> <p>(108) Right side window sill</p> <p>(109) Right side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, B-pillar, or roof side rail</p> <p>(110) Other right side object (specify):</p> <p>_____</p> <p><b>INTERIOR</b></p> <p>(151) Seat, back support</p> <p>(152) Belt restraint webbing/buckle</p> <p>(153) Belt restraint B-pillar or door frame attachment point</p> <p>(154) Other restraint system component (specify):</p> <p>_____</p> <p>(155) Head restraint system</p> <p>(160) Other occupants (specify):</p> <p>_____</p> <p>(161) Interior loose objects</p> <p>(162) Child safety seat (specify):</p> <p>_____</p> <p>(163) Other interior object (specify):</p> <p>_____</p> <p><b>AIR BAG</b></p> <p>(170) Air bag-driver side</p> <p>(171) Air bag-driver side and eyewear</p> <p>(172) Air bag-driver side and jewelry</p> <p>(173) Air bag-driver side and object held</p> <p>(174) Air bag-driver side and object in mouth</p> <p>(175) Air bag compartment cover-driver side</p> <p>(176) Air bag compartment cover-driver side and eyewear</p> <p>(177) Air bag compartment cover-driver side and jewelry</p> <p>(178) Air bag compartment cover-driver side and object held</p> <p>(179) Air bag compartment cover-driver side and object in mouth</p> <p>(180) Air bag-passenger side</p> <p>(181) Air bag-passenger side and eyewear</p> <p>(182) Air bag-passenger side and jewelry</p>	<p>(183) Air bag-passenger side and object held</p> <p>(184) Air bag-passenger side and object in mouth</p> <p>(185) Air bag compartment cover-passenger side</p> <p>(186) Air bag compartment cover-passenger side and eyewear</p> <p>(187) Air bag compartment cover-passenger side and jewelry</p> <p>(188) Air bag compartment cover-passenger side and object held</p> <p>(189) Air bag compartment cover-passenger side and object in mouth</p> <p>(190) Other air bag (specify):</p> <p>_____</p> <p>(195) Other air bag compartment cover (specify):</p> <p>_____</p> <p><b>ROOF</b></p> <p>(201) Front header</p> <p>(202) Rear header</p> <p>(203) Roof left side rail</p> <p>(204) Roof right side rail</p> <p>(205) Roof or convertible top</p> <p><b>FLOOR</b></p> <p>(251) Floor (including toe pan)</p> <p>(252) Floor or console mounted transmission lever, including console</p> <p>(253) Parking brake handle</p> <p>(254) Foot controls including parking brake</p> <p><b>REAR</b></p> <p>(301) Backlight (rear window)</p> <p>(302) Backlight storage rack, door, etc.</p> <p>(303) Other rear object (specify):</p> <p>_____</p> <p><b>ADAPTIVE (ASSISTIVE) DRIVING EQUIPMENT</b></p> <p>(401) Hand controls for braking/acceleration</p> <p>(402) Steering control devices (attached to OEM steering wheel)</p> <p>(403) Steering knob attached to steering wheel</p> <p>(405) Replacement steering wheel (i.e., reduced diameter)</p> <p>(406) Joy stick steering controls</p> <p>(407) Wheelchair tie-downs</p> <p>(408) Modification to seat belts, (specify):</p> <p>_____</p> <p>(409) Additional or relocated switches, (specify):</p> <p>_____</p> <p>(410) Raised roof</p> <p>(411) Wall mounted head rest (used behind wheel chair)</p> <p>(412) Other adaptive device (specify):</p> <p>_____</p> <p><b>EXTERIOR of OCCUPANT'S VEHICLE</b></p> <p>(451) Hood</p> <p>(452) Outside hardware (e.g., outside mirror, antenna)</p> <p>(453) Other exterior surface or tires (specify):</p> <p>_____</p> <p>(454) Unknown exterior objects</p> <p><b>EXTERIOR OF OTHER MOTOR VEHICLE</b></p> <p>(501) Front bumper</p> <p>(502) Hood edge</p> <p>(503) Other front of vehicle (specify):</p> <p>_____</p> <p>(504) Hood</p> <p>(505) Hood ornament</p> <p>(506) Windshield, roof rail, A-pillar</p> <p>(507) Side surface</p> <p>(508) Side mirrors</p> <p>(509) Other side protrusions (specify):</p> <p>_____</p> <p>(510) Rear surface</p> <p>(511) Undercarriage</p> <p>(512) Tires and wheels</p> <p>(513) Other exterior of other motor vehicle (specify):</p> <p>_____</p> <p>(514) Unknown exterior of other motor vehicle</p> <p><b>OTHER VEHICLE OR OBJECT IN THE ENVIRONMENT</b></p> <p>(591) Ground</p> <p>(598) Other vehicle or object (specify):</p> <p>_____</p> <p>(599) Unknown vehicle or object</p> <p><b>NONCONTACT INJURY</b></p> <p>(601) Fire in vehicle</p> <p>(602) Flying glass</p> <p>(603) Other noncontact injury source (specify):</p> <p>_____</p> <p>(604) Air bag exhaust gases</p> <p>(697) Injured, unknown source</p>
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**OFFICIAL INJURY DATA - SOFT TISSUE INJURIES**

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)



Restrained?

\_\_\_ No

\_\_\_ Yes

Blood Alcohol Level (mg/dl)

BAL = \_\_\_\_\_

Glasgow Coma Scale Score

GCSS = \_\_\_\_\_

Units of Blood Given

Units = \_\_\_\_\_

Arterial Blood Gases

pH = \_\_\_\_\_

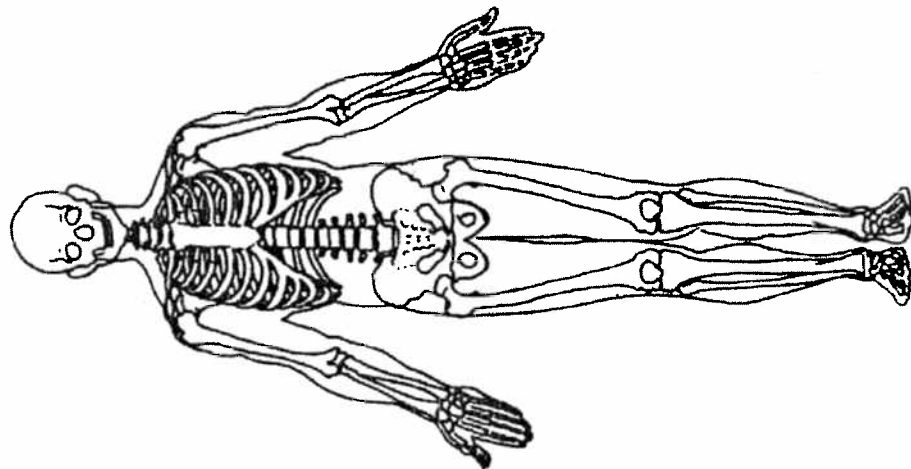
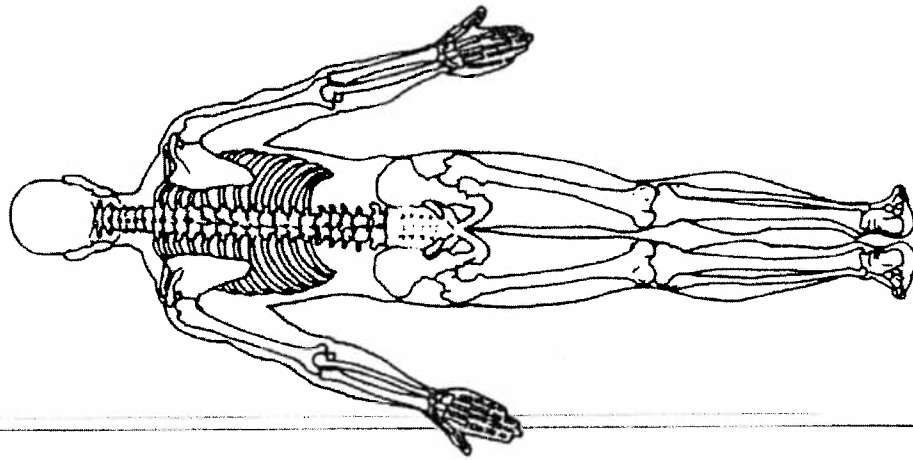
PO<sub>2</sub> = \_\_\_\_\_

PCO<sub>2</sub> = \_\_\_\_\_

HCO<sub>3</sub> = \_\_\_\_\_

OFFICIAL INJURY DATA - SKELETAL INJURIES

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)



**OFFICIAL INJURY DATA -- INTERNAL INJURIES**

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)

