

NASS Crashworthiness Data System (CDS)

2010 Code Book - Version 22Sep11

Introduction

This code book documents data sets describing a sample of motor vehicle crashes that occurred in the USA during calendar year 2010. These sets represent the NASS Crashworthiness Data System distribution files dated September 22, 2011. The data sets were generated by the Transportation Data Center at the University of Michigan's Transportation Research Institute from data collected by the National Center for Statistics and Analysis (NCSA) of the National Highway Traffic Safety Administration (NHTSA). The cooperation of NHTSA is gratefully acknowledged.

Significant changes were made in 2009 to the data elements collected. Vehicles with model years prior to 2000 had limited occupant data collected, we have added new "not collected" values to most variables affected. New datasets, SEATLOC, BAGSEAT and AIRBAG, were also created that document all seating positions and airbags regardless of occupancy. We have captured the variables from these datasets for seat positions which were occupied and included them in the occupant dataset. This original release of the 2010 data by NHTSA does not include the new datasets SEATLOC, BAGSEAT AND AIRBAG. When those data become available they will be added to the system datasets and a new codebook will be put on the TDC web site.

The 2010 CDS data represents a statistical sample of motor-vehicle crashes whose collection methodology was designed to assist in studies directed toward a determination of vehicle crashworthiness.

Primary program goals include:

- 1) A focus on crashes involving automobiles and automobile derivatives, light trucks (GVWR < 4,536 kgs (10,000 pounds)), and vans;
- 2) Special consideration for late model vehicles through the inclusion of vehicles with the most recent five model years;
- 3) The selection of crashes with more serious injuries.
- 4) Cases are limited to those with a towed vehicle.

The data are a sample of the 2010 motor vehicle crashes for which candidate crashes were chosen with varying probabilities according to a scheme detailed in the Coding and Editing Manual.¹ The coding manual provides detailed information on the interpretation and coding protocol for each information element. NHTSA also provides an Analytical User's Manual² with additional insight on properly using the data.

The relational data set supplied by NCSA contains eleven separate relations describing each crash. They are:

- 1) Accident - One record for each crash describing general crash parameters;
- 2) Accident Event Sequence - One record for each event in the crash describing vehicle/vehicle or vehicle/object contacts in sequence;
- 3) General Vehicle - One record for each vehicle in the crash describing general vehicle parameters;
- 4) Exterior Vehicle Damage - One record for selected vehicles describing exterior damage in terms of CDC's and CRASH parameters;
- 5) Interior Vehicle Damage A - One record for selected vehicles describing door and window damage;

¹ National Center for Statistics and Analysis, National Automotive Sampling System, Crashworthiness Data System, 2010 Coding and Editing Manual, January 2010, DOT HS 811 531.

² National Center for Statistics and Analysis, National Automotive Sampling System, Crashworthiness Data System, Analytical User's Manual, 2010 File, DOT HS 811 532.

- 6) Interior Vehicle Damage B - One record for selected vehicles describing intrusion and other interior damage;
- 7) Occupant Assessment - One record for every vehicle occupant describing general occupant parameters;
- 8) Occupant Injury - One record for every injured occupant describing injury in terms of OIC and AIS scales.
- 9) Airbag - one record for each airbag in the vehicle.
- 10) Bagseat - the seat location of each airbag in the Airbag file.
- 11) Seatloc - data on each seating position in the vehicle.

A large number of flat files can obviously be generated from this wealth of complex relations. Users with a need for significant, generally applicable joins not represented by the system data sets are encouraged to contact the Data Center. The traditional Accident, Vehicle, Occupant, and Injury data sets were generated by relational joins of the corresponding record types with some extensions. The accident segment of the data sets was generated by a join of the Accident record with the first Event record for the case. The vehicle portion of the data sets was itself generated by a join of the General Vehicle, Exterior Vehicle Damage, Interior Damage A, and Interior Damage B records. Since a given vehicle is not, in general, represented by all three damage relations, filler records are substituted whenever one of the damage records is missing. These filler records are indicated by a value of "0" for the corresponding "Record Number" variable (i.e., variable 503, 603, or 703).

The characteristics of the five system data sets that have been developed are presented in the table below.

Characteristics of the NASS 2010 CDS Data Sets

DATA SET	KEY	Freq	VARIABLES
Accident	CDS10ACC	4,856	101-120,201-211
Injury	CDS10INJ	14,276	101-120,201-211,301-411,501-569, 601-648,701-753, 801-913,1001-1021

Occupant	CDS10OCC	10,215	101-120,201-211,301-411,501-569, 601-648,701-753,801-913
Two-vehicle acc	CDS10TVA	2,669	101-120,201-211,301-411, 801-913,1301-1411,1801-1913
Vehicle	CDS10VEH	8,921	101-120,201-211,301-411,501-569, 601-648,701-753

The code book itself is divided into eight sections that document the accident, event, vehicle, damage, occupant, and injury records, respectively. The univariate frequencies and percentages displayed in each section are taken from the corresponding data set: accident and event frequencies from CDS10ACC, vehicle and vehicle damage frequencies from CDS10VEH, occupant frequencies from CDS10OCC, and injury frequencies from CDS10INJ.

The two-vehicle accident data set contains one accident record for every crash involving two vehicles. This record documents accident and first event information as well as vehicle and occupant (for the driver) information for each of the two involved vehicles. In order to avoid a large amount of duplication, the two-vehicle accident file is not documented directly in this code book. Variables V1301 - V1411 have the same definition as V301 - V411, and variables V1801 - V1913 have the same definition as V801 - V913.

Variable numbers for the entire data set are as follows:

- V101 - V120 - Accident
- V201 - V211 - Accident Event Sequence
- V301 - V411 - General Vehicle #1
- V801 - V913 - Occupant information for Driver #1
- V1301 - V1411 - General Vehicle #2
- V1801 - V1913 - Occupant information for Driver #2

While every effort has been made to provide accurate, reliable data, inconsistencies may arise from the source data or from the reformatting procedures used. Consequently, the Data Center cannot guarantee the accuracy of the data but will try to correct any discrepancies that are found. Please notify the Center of any errors or data inconsistencies that are uncovered, as well as any

suggestions or comments that you may have concerning the code book by calling (734) 763-3230 or by emailing TDC-UMTRI@umich.edu.

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<http://www.umtri.umich.edu/tdc/>.

DRAFT - NASS Crashworthiness Data System (CDS) - DRAFT
2010 - Accident

Variable Number	Variable Name	Width	Storage Type	Page Number
101	PSU NUMBER	2	Numeric	1
102	CASE NUMBER	4	Alphabetic	1
103	RECORD NUMBER	2	Numeric	1
104	VERSION NUMBER	2	Numeric	1
105	NUM GEN VEH FORMS SUBMIT	2	Numeric	2
106	CRASH MONTH	2	Numeric	2
107	CRASH YEAR	4	Numeric	2
108	CRASH DAY OF WEEK	1	Numeric	3
109	CRASH TIME	4	Numeric	3
110	NUM EVENTS RECORDED	2	Numeric	3
111	MAXIMUM TREATMENT	1	Numeric	3
112	MAXIMUM KNOWN AIS	1	Numeric	4
113	NUM SERIOUSLY INJ OCC	2	Numeric	4
114	NUM INJURED OCCUPANTS	2	Numeric	5
115	ALCOHOL INVOLVEMENT	1	Numeric	5
116	RATIO INFLATION FACTOR	8	Numeric	5
117	DRUG INVOLVEMENT	1	Numeric	5
118	MANNER OF COLLISION	1	Numeric	6
119	CASE STRATRUM	2	Numeric	6
120	PSU STRATRUM	2	Numeric	6
121	MAXIMUM KNOWN AIS (08)	2	Numeric	7
122	NUM SERIOUSLY INJ OCCS08	2	Numeric	7
123	NUM INJURED OCCUPANTS-08	2	Numeric	7

DRAFT - NASS Crashworthiness Data System (CDS) - DRAFT
2010 - Accident Event Sequence

Variable Number	Variable Name	Width	Storage Type	Page Number
201	PSU NUMBER	2	Numeric	9
202	CASE NUMBER	4	Alphabetic	9
203	RECORD NUMBER	2	Numeric	9
204	VERSION NUMBER	2	Numeric	9
205	EVENT SEQUENCE NUMBER	2	Numeric	10
206	VEHICLE NUMBER (1)	2	Numeric	10
207	CLASS OF VEHICLE (1)	2	Numeric	10
208	GEN AREA OF DAMAGE (1)	2	Numeric	11
209	VEH NUM/OBJ CONTACT(2)	2	Numeric	12
210	CLASS OF VEHICLE (2)	2	Numeric	13
211	GEN AREA OF DAMAGE (2)	2	Numeric	14

DRAFT - NASS Crashworthiness Data System (CDS) - DRAFT
2010 - General Vehicle

Variable Number	Variable Name	Width	Storage Type	Page Number
301	PSU NUMBER	2	Numeric	15
302	CASE NUMBER	4	Alphabetic	15
303	RECORD NUMBER	2	Numeric	15
304	VERSION NUMBER	2	Numeric	15
305	VEHICLE NUMBER	2	Numeric	16
306	MODEL YEAR	4	Numeric	16
307	VEHICLE MAKE	2	Numeric	17
308	MAKE/MODEL	5	Numeric	18
309	BODY TYPE	2	Numeric	32
310	VIN	12	Alphabetic	34
311	VIN - CHARACTER #1	1	Alphabetic	34
312	VIN - CHARACTER #2	1	Alphabetic	35
313	VIN - CHARACTER #3	1	Alphabetic	35
314	VIN - CHARACTER #4	1	Alphabetic	35
315	VIN - CHARACTER #5	1	Alphabetic	35
316	VIN - CHARACTER #6	1	Alphabetic	35
317	VIN - CHARACTER #7	1	Alphabetic	35
318	VIN - CHARACTER #8	1	Alphabetic	35
319	VIN - CHARACTER #9	1	Alphabetic	35
320	VIN - CHARACTER #10	1	Alphabetic	35
321	VIN - CHARACTER #11	1	Alphabetic	35
322	VIN - CHARACTER #12	1	Alphabetic	36
323	VIN LENGTH	2	Numeric	36
324	VIN MODEL YEAR	4	Numeric	36
325	VIN MAKE	5	Alphabetic	37
326	VIN MODEL CARS	3	Alphabetic	37
327	VIN BODY TYPE	2	Alphabetic	37
328	VIN TYPE OF VEHICLE	2	Numeric	40
329	VIN ROOF	1	Numeric	40
330	VIN OPTIONAL ROOF 1	1	Numeric	41
331	VIN OPTIONAL ROOF 2	1	Numeric	41
332	VIN VEH WEIGHT - CAR	4	Numeric	41
333	VINA SERIES TRUCK	3	Alphabetic	42
334	VIN TRUCK WEIGHT CODE	1	Numeric	42
335	# WHEELS/# DRIVE WHEELS	2	Numeric	42
336	VIN FRONT WHEEL DRIVE	2	Numeric	43
337	VIN FOUR WHEEL DRIVE	2	Numeric	43
338	VIN RESTRAINT TYPE	2	Numeric	43
339	DAYTIME RUNNING LIGHTS	2	Numeric	44
340	VIN ANTILOCK BRAKES	1	Numeric	44
341	VIN CARBURETION	2	Numeric	45
342	VIN FUEL CODE	2	Numeric	46
343	MTRCYCLE ENGINE DISPLACE	4	Numeric	46
344	TYPE OF VEH INSPECTION	1	Numeric	46
345	VEHICLE DISPOSITION	1	Numeric	47
346	VEHICLE CURB WEIGHT	3	Numeric	47
347	VEHICLE CARGO WEIGHT	3	Numeric	47
348	TOWED TRAILING UNIT	1	Numeric	48
349	VEHICLE SPECIAL USE	1	Numeric	48
350	TRANSPORT STATUS	1	Numeric	48

DRAFT - NASS Crashworthiness Data System (CDS) - DRAFT
2010 - General Vehicle

Variable Number	Variable Name	Width	Storage Type	Page Number

351	FRONT OVERRIDE/UNDERRIDE	1	Numeric	49
352	REAR OVERRIDE/UNDERRIDE	1	Numeric	49
353	WEIGHT - OTHER VEHICLE	3	Numeric	50
354	BODY TYPE - OTHER VEH	2	Numeric	50
355	ROLLOVER	2	Numeric	52
356	ROLLOVER INITIATION TYPE	2	Numeric	53
357	LOCATION OF ROLLOVER INI	1	Numeric	53
358	ROLLOVER INIT OBJ CONTAC	2	Numeric	54
359	PRIN TRIP FORCE APPLIED	1	Numeric	55
360	DIRECTION OF INITIAL ROL	1	Numeric	55
361	INTERRUPTED ROLLOVER	1	Numeric	56
362	PRE ROLLOVER MANEUVER	2	Numeric	56
363	DISTANCE OF ROLLOVER	3	Numeric	56
364	HEADING ANGLE - THIS VEH	3	Numeric	57
365	HEADING ANGLE - OTH VEH	3	Numeric	57
366	RECONSTRUCT CONFIDENCE	1	Numeric	58
367	BASIS FOR TOTAL DELTA-V	2	Numeric	58
368	DELTA-V EVENT NUMBER	2	Numeric	59
369	TOTAL DELTA-V	3	Numeric	59
370	LONG COMPONENT DELTA-V	4	Numeric	59
371	LAT COMPONENT DELTA-V	4	Numeric	60
372	ENERGY ABSORPTION	4	Numeric	60
373	BARRIER EQUIVALENT SPEED	3	Numeric	60
374	EST HIGHEST DELTA-V	1	Numeric	61
375	SPEED LIMIT (KMPH)	3	Numeric	61
376	TRAVEL SPEED (KMPH)	3	Numeric	62
377	IMPACT SPEED	3	Numeric	62
378	CRASH TYPE	2	Numeric	62
379	TRAJECTORY DATA DOC	1	Numeric	63
380	POST COLL TREE/POLE COND	1	Numeric	63
381	DISTRACTION TO DRIVING	2	Numeric	63
382	PRE-EVENT MOVEMENT	2	Numeric	64
383	CRITICAL PRECRASH EVENT	2	Numeric	65
384	PRE-IMPACT STABILITY	1	Numeric	66
385	PRE-IMPACT LOCATION	1	Numeric	66
386	ATTEMPTED AVOID MANEUVER	2	Numeric	67
387	RELATION TO INTERCHANGE	1	Numeric	67
388	TRAFFICWAY FLOW	1	Numeric	68
389	NUMBER OF TRAVEL LANES	1	Numeric	68
390	ROADWAY ALIGNMENT	1	Numeric	68
391	ROADWAY PROFILE	1	Numeric	69
392	ROADWAY SURFACE TYPE	1	Numeric	69
393	ROADWY SURFACE CONDITION	2	Numeric	69
394	LIGHT CONDITIONS	1	Numeric	70
395	ATMOSPHERIC CONDITIONS	2	Numeric	70
396	TRAFFIC CONTROL DEVICE	1	Numeric	70
397	CONTROL DEVICE FUNCTION	1	Numeric	71
398	DRIVER PRESENCE	1	Numeric	71
399	ALCOHOL PRESENCE	1	Numeric	71
400	ALCOHOL TEST RESULT	2	Numeric	72

DRAFT - NASS Crashworthiness Data System (CDS) - DRAFT
2010 - General Vehicle

Variable Number	Variable Name	Width	Storage Type	Page Number

401	OTHER DRUG PRESENCE	1	Numeric	72
402	OTH DRUG - SPECIMEN TEST	1	Numeric	72
403	DRIVER'S ZIP CODE	5	Numeric	73
404	DRIVER'S RACE	1	Numeric	73
405	DRIVER'S ETHNICITY	1	Numeric	73
406	MAXIMUM TREATMENT	1	Numeric	74
407	MAXIMUM KNOWN AIS	1	Numeric	74
408	NUM SERIOUSLY INJURED	2	Numeric	74
409	NUMBER INJURED	2	Numeric	75
410	NUMBER OF OCCUPANTS	2	Numeric	75
411	NUMBER OCCUPANT FORMS	2	Numeric	75
412	MAXIMUM KNOWN AIS-08	2	Numeric	76
413	NUM SERIOUSLY INJURED-08	2	Numeric	76
414	NUMBER INJURED-08 FORMAT	2	Numeric	76

DRAFT - NASS Crashworthiness Data System (CDS) - DRAFT
2010 - Exterior Damage

Variable Number	Variable Name	Width	Storage Type	Page Number

501	PSU NUMBER	2	Numeric	77
502	CASE NUMBER	4	Alphabetic	77
503	RECORD NUMBER	2	Numeric	77
504	VERSION NUMBER	2	Numeric	77
505	VEHICLE NUMBER	2	Numeric	78
506	CRASH SEQUENCE (1)	2	Numeric	78
507	OBJECT CONTACTED (1)	2	Numeric	78
508	DIRECTION OF FORCE (1)	2	Numeric	80
509	DEFORMATION LOCATION (1)	1	Alphabetic	81
510	LONG/LAT LOCATION (1)	1	Alphabetic	81
511	VERT/LAT LOCATION (1)	1	Alphabetic	81
512	TYPE OF DISTRIB (1)	1	Alphabetic	81
513	DEFORMATION EXTENT (1)	2	Numeric	81
514	DEFORM LOC (1) - NUMERIC	2	Numeric	82
515	LONG/LAT LOC (1)-NUMERIC	2	Numeric	82
516	VERT/LAT LOC (1)-NUMERIC	2	Numeric	83
517	TYPE OF DISTRIB (1)-NUM	2	Numeric	84
518	CRASH SEQUENCE (2)	2	Numeric	84
519	OBJECT CONTACTED (2)	2	Numeric	85
520	DIRECTION OF FORCE (2)	2	Numeric	86
521	DEFORMATION LOCATION (2)	1	Alphabetic	87
522	LONG/LAT LOCATION (2)	1	Alphabetic	87
523	VERT/LAT LOCATION (2)	1	Alphabetic	87
524	TYPE OF DISTRIB (2)	1	Alphabetic	87
525	DEFORMATION EXTENT (2)	2	Numeric	88
526	DEFORM LOC (2) - NUMERIC	2	Numeric	88
527	LONG/LAT LOC (2)-NUMERIC	2	Numeric	88
528	VERT/LAT LOC (2)-NUMERIC	2	Numeric	89
529	TYPE OF DISTRIB (2)-NUM	2	Numeric	90
530	HIGHEST DELTA-V - "L"	3	Numeric	91
531	HIGHEST DELTA-V - "C1"	3	Numeric	91
532	HIGHEST DELTA-V - "C2"	3	Numeric	91
533	HIGHEST DELTA-V - "C3"	3	Numeric	92
534	HIGHEST DELTA-V - "C4"	3	Numeric	92
535	HIGHEST DELTA-V - "C5"	3	Numeric	92
536	HIGHEST DELTA-V - "C6"	3	Numeric	93
537	HIGHEST DELTA-V - "D"	4	Numeric	93
538	SECOND DELTA-V - "L"	3	Numeric	93
539	SECOND DELTA-V - "C1"	3	Numeric	94
540	SECOND DELTA-V - "C2"	3	Numeric	94
541	SECOND DELTA-V - "C3"	3	Numeric	94
542	SECOND DELTA-V - "C4"	3	Numeric	95
543	SECOND DELTA-V - "C5"	3	Numeric	95
544	SECOND DELTA-V - "C6"	3	Numeric	95
545	SECOND DELTA-V - "D"	4	Numeric	96
546	CDC'S DOC/NOT CODED	1	Numeric	96
547	VEHICLE DISPOSITION	1	Numeric	96
548	ORIGINAL WHEELBASE	3	Numeric	96
549	MULTI-STAGE VEHICLE	1	Numeric	97
550	FIRE OCCURRENCE	1	Numeric	97

DRAFT - NASS Crashworthiness Data System (CDS) - DRAFT
2010 - Exterior Damage

Variable Number	Variable Name	Width	Storage Type	Page Number
551	ORIGIN OF FIRE	1	Numeric	97
552	TYPE OF FUEL TANK 1	1	Numeric	98
553	TYPE OF FUEL TANK 2	1	Numeric	98
554	FUEL TANK 1 LOCATION	1	Numeric	98
555	FUEL TANK 2 LOCATION	1	Numeric	99
556	FUEL TANK 1 FILLER CAP	1	Numeric	99
557	FUEL TANK 2 FILLER CAP	1	Numeric	99
558	FUEL TANK 1 DAMAGE	1	Numeric	100
559	FUEL TANK 2 DAMAGE	1	Numeric	100
560	LOCATION OF FUEL 1 LEAK	1	Numeric	100
561	LOCATION OF FUEL 2 LEAK	1	Numeric	101
562	FUEL TYPE 1	2	Numeric	101
563	FUEL TYPE 2	2	Numeric	101
564	MORE THAN 2 FUEL TANKS	1	Numeric	102
565	UNDEFORMED END WIDTH	3	Numeric	102
566	DIRECT DAMAGE WIDTH	3	Numeric	102
567	ORIGINAL AVE. TRACK WID.	3	Numeric	103
568	PDOF1-CLOCK DEGREES	3	Numeric	103
569	PDOF2-CLOCK DEGREES	3	Numeric	104

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2010 - Interior Damage A

Variable Number	Variable Name	Width	Storage Type	Page Number

601	PSU NUMBER	2	Numeric	105
602	CASE NUMBER	4	Alphabetic	105
603	RECORD NUMBER	2	Numeric	105
604	VERSION NUMBER	2	Numeric	105
605	VEHICLE NUMBER	2	Numeric	106
606	PASS COMPART INTEGRITY	2	Numeric	106
607	DOOR/GATE/HATCH OPN - LF	1	Numeric	107
608	DOOR/GATE/HATCH OPN - RF	1	Numeric	107
609	DOOR/GATE/HATCH OPN - LR	1	Numeric	107
610	DOOR/GATE/HATCH OPN - RR	1	Numeric	108
611	DOOR/GATE/HATCH OPN - TG	1	Numeric	108
612	DOOR/GATE/HATCH DAM - LF	1	Numeric	108
613	DOOR/GATE/HATCH DAM - RF	1	Numeric	109
614	DOOR/GATE/HATCH DAM - LR	1	Numeric	109
615	DOOR/GATE/HATCH DAM - RR	1	Numeric	110
616	DOOR/GATE/HATCH DAM - TG	1	Numeric	110
617	IMPACT GLAZING DAM - WS	1	Numeric	111
618	IMPACT GLAZING DAM - LF	1	Numeric	111
619	IMPACT GLAZING DAM - RF	1	Numeric	111
620	IMPACT GLAZING DAM - LR	1	Numeric	112
621	IMPACT GLAZING DAM - RR	1	Numeric	112
622	IMPACT GLAZING DAM - BL	1	Numeric	113
623	IMPACT GLAZING DAM - RO	1	Numeric	113
624	IMPACT GLAZING DAM - OTH	1	Numeric	113
625	CONTACT GLAZING DAM - WS	1	Numeric	114
626	CONTACT GLAZING DAM - LF	1	Numeric	114
627	CONTACT GLAZING DAM - RF	1	Numeric	115
628	CONTACT GLAZING DAM - LR	1	Numeric	115
629	CONTACT GLAZING DAM - RR	1	Numeric	116
630	CONTACT GLAZING DAM - BL	1	Numeric	116
631	CONTACT GLAZING DAM - RO	1	Numeric	116
632	CONTACT GLAZING DAM - OT	1	Numeric	117
633	TYPE OF GLAZING - WS	2	Numeric	117
634	TYPE OF GLAZING - LF	2	Numeric	118
635	TYPE OF GLAZING - RF	2	Numeric	118
636	TYPE OF GLAZING - LR	2	Numeric	119
637	TYPE OF GLAZING - RR	2	Numeric	120
638	TYPE OF GLAZING - BL	2	Numeric	120
639	TYPE OF GLAZING - ROOF	2	Numeric	121
640	TYPE OF GLAZING - OTHER	2	Numeric	121
641	WIN PRECRASH STAT - WS	1	Numeric	122
642	WIN PRECRASH STAT - LF	1	Numeric	122
643	WIN PRECRASH STAT - RF	1	Numeric	122
644	WIN PRECRASH STAT - LR	1	Numeric	123
645	WIN PRECRASH STAT - RR	1	Numeric	123
646	WIN PRECRASH STAT - BL	1	Numeric	123
647	WIN PRECRASH STAT - RO	1	Numeric	124
648	WIN PRECRASH STAT - OT	1	Numeric	124

DRAFT - NASS Crashworthiness Data System (CDS) - DRAFT
2010 - Interior Damage B

Variable Number	Variable Name	Width	Storage Type	Page Number

701	PSU NUMBER	2	Numeric	125
702	CASE NUMBER	4	Alphabetic	125
703	RECORD NUMBER	2	Numeric	125
704	VERSION NUMBER	2	Numeric	125
705	VEHICLE NUMBER	2	Numeric	126
706	INTRUSION LOCATION (1)	2	Numeric	126
707	INTRUDING COMPONENT (1)	2	Numeric	126
708	INTRUSION MAGNITUDE (1)	1	Numeric	127
709	CRUSH DIRECTION (1)	1	Numeric	128
710	INTRUSION LOCATION (2)	2	Numeric	128
711	INTRUDING COMPONENT (2)	2	Numeric	129
712	INTRUSION MAGNITUDE (2)	1	Numeric	130
713	CRUSH DIRECTION (2)	1	Numeric	130
714	INTRUSION LOCATION (3)	2	Numeric	131
715	INTRUDING COMPONENT (3)	2	Numeric	131
716	INTRUSION MAGNITUDE (3)	1	Numeric	132
717	CRUSH DIRECTION (3)	1	Numeric	133
718	INTRUSION LOCATION (4)	2	Numeric	133
719	INTRUDING COMPONENT (4)	2	Numeric	133
720	INTRUSION MAGNITUDE (4)	1	Numeric	134
721	CRUSH DIRECTION (4)	1	Numeric	135
722	INTRUSION LOCATION (5)	2	Numeric	135
723	INTRUDING COMPONENT (5)	2	Numeric	136
724	INTRUSION MAGNITUDE (5)	1	Numeric	137
725	CRUSH DIRECTION (5)	1	Numeric	137
726	INTRUSION LOCATION (6)	2	Numeric	138
727	INTRUDING COMPONENT (6)	2	Numeric	138
728	INTRUSION MAGNITUDE (6)	1	Numeric	139
729	CRUSH DIRECTION (6)	1	Numeric	140
730	INTRUSION LOCATION (7)	2	Numeric	140
731	INTRUDING COMPONENT (7)	2	Numeric	140
732	INTRUSION MAGNITUDE (7)	1	Numeric	141
733	CRUSH DIRECTION (7)	1	Numeric	142
734	INTRUSION LOCATION (8)	2	Numeric	142
735	INTRUDING COMPONENT (8)	2	Numeric	143
736	INTRUSION MAGNITUDE (8)	1	Numeric	144
737	CRUSH DIRECTION (8)	1	Numeric	144
738	INTRUSION LOCATION (9)	2	Numeric	145
739	INTRUDING COMPONENT (9)	2	Numeric	145
740	INTRUSION MAGNITUDE (9)	1	Numeric	146
741	CRUSH DIRECTION (9)	1	Numeric	147
742	INTRUSION LOCATION (10)	2	Numeric	147
743	INTRUDING COMPONENT (10)	2	Numeric	147
744	INTRUSION MAGNITUDE (10)	1	Numeric	148
745	CRUSH DIRECTION (10)	1	Numeric	149
746	STEERING COLUMN TYPE	1	Numeric	149
747	STEERING COLUMN TILT	1	Numeric	150
748	STEERING COLUMN TELESCOP	1	Numeric	150
749	RIM/SPOKE DEFORMATION	2	Numeric	150
750	RIM/SPOKE DEF LOCATION	2	Numeric	151

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2010 - Interior Damage B

Variable Number	Variable Name	Width	Storage Type	Page Number
751	ODOMETER READING	3	Numeric	151
752	POST-CRASH INTEGRITY LOS	1	Numeric	151
753	ADAPTIVE TECHNOLOGY	1	Numeric	152

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Variable Number	Variable Name	Width	Storage Type	Page Number
801	PSU NUMBER	2	Numeric	153
802	CASE NUMBER	4	Alphabetic	153
803	RECORD NUMBER	2	Numeric	153
804	VERSION NUMBER	2	Numeric	153
805	VEHICLE NUMBER	2	Numeric	154
806	OCCUPANT NUMBER	2	Numeric	154
807	AGE	2	Numeric	154
808	SEX	1	Numeric	154
809	HEIGHT	3	Numeric	155
810	WEIGHT	3	Numeric	155
811	RACE	1	Numeric	155
812	ETHNICITY	1	Numeric	156
813	OCCUPANT'S ROLE	1	Numeric	156
814	OCCUPANT'S SEAT POSITION	2	Numeric	156
815	OCCUPANT'S POSTURE	2	Numeric	157
816	EJECTION	1	Numeric	158
817	EJECTION AREA	1	Numeric	158
818	EJECTION MEDIUM	1	Numeric	158
819	MEDIUM STATUS	1	Numeric	159
820	ENTRAPMENT	1	Numeric	159
821	OCCUPANT MOBILITY	1	Numeric	159
822	MANUAL BELT AVAILABILITY	1	Numeric	160
823	MANUAL BELT USE	2	Numeric	160
824	MANUAL BELT MALFUNCTION	1	Numeric	161
825	SHOULDER BELT ANCHOR ADJ	1	Numeric	161
826	MANUAL BELT PRETENSIONER	1	Numeric	161
827	BELT POSITIONING DEVICE	2	Numeric	162
828	SEAT - INTEGRATED BELTS	1	Numeric	162
829	PAR RESTRAINT USE	2	Numeric	163
830	BELT USE DETERMINATION	1	Numeric	163
831	AIR BAG AVAIL/FUN POLICE	1	Numeric	164
832	AIR BAG AVAIL/FUNCTION	1	Numeric	164
833	AIR BAG DEPLOYMENT	1	Numeric	164
834	AB AVAIL/OTHER	1	Numeric	165
835	AIR BAG DEPLOY/OTHER	1	Numeric	165
836	AIR BAG SYSTEM FAILURE	1	Numeric	166
837	AB DEPLOY/PREVIOUS CRASH	1	Numeric	166
838	AIR BAG TYPE	1	Numeric	166
839	AIR BAG MAINTENANCE	1	Numeric	167
840	AIR BAG EVENT NUMBER	2	Numeric	167
841	CDC OF AIR BAG DEPLOY	1	Numeric	167
842	AB ASSOC LONG DELTA-V	4	Numeric	168
843	AB FLAPS OPEN CORRECTLY	1	Numeric	168
844	AB FLAPS DAMAGED	1	Numeric	169
845	AB DAMAGED	2	Numeric	169
846	AB DAMAGE SOURCE	2	Numeric	170
847	AIRBAG LOCATION (1)	2	Numeric	170
848	AIRBAG MAINTENANCE (1)	1	Numeric	171
849	AIRBAG NUMBER (1)	2	Numeric	171
850	AIRBAG TYPE (1)	2	Numeric	171

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Variable Number	Variable Name	Width	Storage Type	Page Number

851	AIRBAG PREVIOUS CRASH(1)	1	Numeric	172
852	AIRBAG SWITCH TYPE (1)	1	Numeric	172
853	AIRBAG SWITCH SETTING(1)	1	Numeric	173
854	AIRBAG LOCATION (2)	2	Numeric	173
855	AIRBAG MAINTENANCE (2)	1	Numeric	173
856	AIRBAG NUMBER (2)	2	Numeric	174
857	AIRBAG TYPE (2)	2	Numeric	174
858	AIRBAG PREVIOUS CRASH(2)	1	Numeric	174
859	AIRBAG SWITCH TYPE (2)	1	Numeric	175
860	AIRBAG SWITCH SETTING(2)	1	Numeric	175
861	AIRBAG LOCATION (3)	2	Numeric	175
862	AIRBAG MAINTENANCE (3)	1	Numeric	176
863	AIRBAG NUMBER (3)	2	Numeric	176
864	AIRBAG TYPE (3)	2	Numeric	177
865	AIRBAG PREVIOUS CRASH(3)	1	Numeric	177
866	AIRBAG SWITCH TYPE (3)	1	Numeric	177
867	AIRBAG SWITCH SETTING(3)	1	Numeric	178
868	AIRBAG LOCATION (4)	2	Numeric	178
869	AIRBAG MAINTENANCE (4)	1	Numeric	178
870	AIRBAG NUMBER (4)	2	Numeric	179
871	AIRBAG TYPE (4)	2	Numeric	179
872	AIRBAG PREVIOUS CRASH(4)	1	Numeric	179
873	AIRBAG SWITCH TYPE (4)	1	Numeric	180
874	AIRBAG SWITCH SETTING(4)	1	Numeric	180
875	ROLLOVER PROTECTION	1	Numeric	180
876	EYEWEAR WORN	1	Numeric	181
877	HEAD RESTRAINT TYPE/DAM	1	Numeric	181
878	HEAD RESTRAINT ACTIVE	1	Numeric	181
879	SEAT TYPE	2	Numeric	182
880	SEAT ORIENTATION	1	Numeric	182
881	SEAT TRACK	1	Numeric	182
882	SEAT BACK INCLINE	2	Numeric	183
883	SEAT PERFORMANCE	2	Numeric	184
884	CHILD SEAT USED	1	Numeric	184
885	CHILD SEAT MAKE/MODEL	3	Numeric	184
886	CHILD SEAT TYPE	2	Numeric	185
887	CHILD SEAT ORIENTATION	2	Numeric	186
888	CHILD SEAT HARNESS USE	2	Numeric	186
889	CHILD SEAT SHIELD USE	2	Numeric	187
890	CHILD SEAT TETHER USE	2	Numeric	188
891	SEAT - LATCH ANCHOR	1	Numeric	188
892	SEAT - LATCH TETHER	1	Numeric	188
893	INJURY SEVERITY	1	Numeric	189
894	TREATMENT/MORTALITY	2	Numeric	189
895	TYPE OF MEDICAL FACILITY	1	Numeric	190
896	HOSPITAL STAY	2	Numeric	190
897	WORKING DAYS LOST	2	Numeric	190
898	TIME TO DEATH	2	Numeric	191
899	CAUSE OF DEATH-1-MED REP	2	Numeric	191
900	CAUSE OF DEATH-2-MED REP	2	Numeric	192

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Variable Number	Variable Name	Width	Storage Type	Page Number
901	CAUSE OF DEATH-3-MED REP	2	Numeric	192
902	NUM RECORDED INJURIES	2	Numeric	192
903	GLASGOW COMA SCALE SCORE	2	Numeric	193
904	WAS OCCUPANT GIVEN BLOOD	1	Numeric	193
905	ARTERIAL BLOOD GASES	2	Numeric	193
906	MAXIMUM KNOWN AIS	1	Numeric	194
907	INJURY SEVERITY SCORE	2	Numeric	194
908	FETAL DEATH	1	Numeric	194
909	MAXIMUM KNOWN AIS 08	2	Numeric	195
910	INJURY SEVERITY SCORE 08	2	Numeric	195
911	NUM RECORDED AIS 08 INJ	2	Numeric	195

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2010 - Occupant Injury

Variable Number	Variable Name	Width	Storage Type	Page Number
1001	PSU NUMBER	2	Numeric	197
1002	CASE NUMBER	4	Alphabetic	197
1003	RECORD NUMBER	2	Numeric	197
1004	VERSION NUMBER	2	Numeric	197
1005	VEHICLE NUMBER	2	Numeric	198
1006	OCCUPANT NUMBER	2	Numeric	198
1007	INJURY NUMBER	2	Numeric	198
1008	INJURY DATA SOURCE	2	Numeric	199
1009	BODY REGION - AIS90	1	Numeric	199
1010	ASPECT - AIS90	1	Numeric	199
1011	TYPE OF ANATOMIC STRUCT	1	Numeric	200
1012	SPECIFIC ANATOMIC STRUCT	2	Numeric	200
1013	LEVEL OF INJURY	2	Numeric	202
1014	AIS SEVERITY	1	Numeric	202
1015	INJURY SOURCE	3	Numeric	202
1016	CONFIDENCE LEVEL	1	Numeric	207
1017	DIRECT/INDIRECT INJURY	1	Numeric	207
1018	INTRUSION NUMBER	2	Numeric	207
1019	OIC - BODY REGION	2	Numeric	208
1020	OIC - LESION	2	Numeric	208
1021	OIC - SYSTEM ORGAN	2	Numeric	209
1022	BODY REGION - AIS08	1	Numeric	210
1023	TYPE OF ANATOMIC STRUC08	1	Numeric	210
1024	SPECIFIC ANATOMIC STRU08	2	Numeric	210
1025	LEVEL OF INJURY 08	2	Numeric	212
1026	AIS SEVERITY 08	1	Numeric	212


```

+-----+
|                                     |
|               The ACCIDENT Variables |
|                                     |
| Variables 101 through 120 describe the crash. |
|                                     |
+-----+
    
```

```

-----
Variable 101  PSU NUMBER                               Width: 2      Type: Numeric
-----
Dec:         None      Miss: None
    
```

NHTSA SAS Variable - PSU

Primary Sampling Unit Number

```

22Sep11 Prcnt  Code Value and Description
167   3.4     2
          -   PSU Number
165   3.4     82
    
```

```

-----
Variable 102  CASE NUMBER                               Width: 4      Type: Alphabetic
-----
Dec:         None      Miss: None
    
```

NHTSA SAS Variable - CASEID

```

-----
Variable 103  RECORD NUMBER                             Width: 2      Type: Numeric
-----
Dec:         None      Miss: None
    
```

NHTSA SAS Variables Casekey 4 and Casekey 5

```

22Sep11 Prcnt  Code Value and Description
4856 100.0     1  Accident record
    
```

```

-----
Variable 104  VERSION NUMBER                           Width: 2      Type: Numeric
-----
Dec:         None      Miss: None
    
```

NHTSA SAS Variable - VERSION

```

22Sep11 Prcnt  Code Value and Description
4856 100.0     23  Version 23
    
```

```
-----
Variable 105    NUM GEN VEH FORMS SUBMIT    Width: 2      Type: Numeric
-----        -----                    Dec:    None    Miss: None
```

NHTSA SAS Variable - VEHFOMS

Number of General Vehicle forms submitted

22Sep11	Prcnt	Code	Value and Description
1568	32.3	1	1 vehicle form
2669	55.0	2	2 vehicle forms
487	10.0	3	3 vehicle forms
112	2.3	4	4 vehicle forms
16	0.3	5	5 vehicle forms
2	0.0	6	6 vehicle forms
2	0.0	7	7 vehicle forms

```
-----
Variable 106    CRASH MONTH                            Width: 2      Type: Numeric
-----        -----                            Dec:    None    Miss: None
```

NHTSA SAS Variable - MONTH

22Sep11	Prcnt	Code	Value and Description
461	9.5	1	January
433	8.9	2	February
426	8.8	3	March
445	9.2	4	April
436	9.0	5	May
437	9.0	6	June
408	8.4	7	July
401	8.3	8	August
397	8.2	9	September
367	7.6	10	October
312	6.4	11	November
333	6.9	12	December

```
-----
Variable 107    CRASH YEAR                              Width: 4      Type: Numeric
-----        -----                              Dec:    None    Miss: None
```

NHTSA SAS Variable - YEAR

22Sep11	Prcnt	Code	Value and Description
4856	100.0	2010	2010

```
-----
Variable 108  CRASH DAY OF WEEK          Width: 1      Type: Numeric
-----
Dec:      None      Miss: None
```

NHTSA SAS Variable - DAYWEEK

```
22Sep11 Prcnt  Code Value and Description

    620  12.8   1  Sunday
    631  13.0   2  Monday
    671  13.8   3  Tuesday
    695  14.3   4  Wednesday
    719  14.8   5  Thursday
    793  16.3   6  Friday
    727  15.0   7  Saturday
```

```
-----
Variable 109  CRASH TIME                          Width: 4      Type: Numeric
-----
Dec:      None      Miss: 9999
```

NHTSA SAS Variable - TIME

Crash time of day - 2400-hour clock

```
22Sep11 Prcnt  Code Value and Description

     6   0.1     0  Midnight
     5   0.1     1  12:01 am
     -
     2   0.0  2359  11:59 pm
    32   0.7  9999  Unknown
```

```
-----
Variable 110  NUM EVENTS RECORDED                Width: 2      Type: Numeric
-----
Dec:      None      Miss: None
```

NHTSA SAS Variable - EVENTS

Number of events recorded in the crash

```
22Sep11 Prcnt  Code Value and Description

    2549  52.5   1
           -  Number of events
     3    0.1  11
```

```
-----
Variable 111  MAXIMUM TREATMENT                  Width: 1      Type: Numeric
-----
Dec:      None      Miss: 9
```

NHTSA SAS Variable - ATREAT

 Variable 114 NUM INJURED OCCUPANTS Width: 2 Type: Numeric
 ----- Dec: None Miss: 99

NHTSA SAS Variable - AINJURED (AIS 98 FORMAT)

Total persons with TREATMENT-MORTALITY=1 or AIS=1-7

22Sep11	Prcnt	Code	Value and Description
1109	22.8	0	None
1488	30.6	1	
		-	Number of persons
1	0.0	9	
1494	30.8	99	Unknown

 Variable 115 ALCOHOL INVOLVEMENT Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - ALCINV

Was alcohol involved in the crash?

22Sep11	Prcnt	Code	Value and Description
656	13.5	1	Yes
3354	69.1	2	No
846	17.4	9	Unknown

 Variable 116 RATIO INFLATION FACTOR Width: 8 Type: Numeric
 ----- Dec: 3 Miss: None

Case sample weight

Sample weight assigned to each case representing the probability of sampling. NHTSA SAS Variable - RATWGT

 Variable 117 DRUG INVOLVEMENT Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - DRGINV

Was drug usage involved in the crash?

22Sep11	Prcnt	Code	Value and Description
268	5.5	1	Yes
3407	70.2	2	No
1181	24.3	9	Unknown

Variable 118 MANNER OF COLLISION Width: 1 Type: Numeric
----- Dec: None Miss: 9

NHTSA SAS Variable - MANCOLL

22Sep11	Prcnt		Code	Value	Description
			0		Not collision with vehicle in-transport
1772	36.5		1		Rear-end
911	18.8		2		Head-on
171	3.5		4		Angle
1670	34.4		5		Sideswipe, same direction
156	3.2		6		Sideswipe, opposite direction
109	2.2		9		Unknown
67	1.4				

Variable 119 CASE STRATUM Width: 2 Type: Numeric
----- Dec: None Miss: None

NHTSA SAS Variable - STRATIF - recoded from Alpha values

22Sep11	Prcnt		Code	Value	Description
			1		A
34	0.7		2		B
242	5.0		3		C
141	2.9		4		D
417	8.6		5		E
538	11.1		6		F
1149	23.7		7		G
594	12.2		8		H
1099	22.6		9		J
101	2.1		10		K
541	11.1				

Variable 120 PSU STRATRUM Width: 2 Type: Numeric
----- Dec: None Miss: None

NHTSA SAS Variable - PSUSTRAT

22Sep11	Prcnt		Code	Value	Description
			1		
297	6.1		-		PSU Stratum
			12		
333	6.9				


```

+-----+
|                                     |
|           The ACCIDENT EVENT SEQUENCE Variables           |
|                                     |
| Variables 201 through 211 describe the crash first event |
| sequence. |
|                                     |
+-----+
    
```

```

-----
Variable 201  PSU NUMBER                               Width: 2      Type: Numeric
-----
Dec:         None  Miss: None
    
```

NHTSA SAS Variable - PSU

```

22Sep11 Prcnt  Code Value and Description
    167    3.4    2
              -  PSU Number
    165    3.4    82
    
```

```

-----
Variable 202  CASE NUMBER                               Width: 4      Type: Alphabetic
-----
Dec:         None  Miss: None
    
```

NHTSA SAS Variable - CASEID

```

-----
Variable 203  RECORD NUMBER                             Width: 2      Type: Numeric
-----
Dec:         None  Miss: None
    
```

NHTSA SAS Variables Casekey 4 and Casekey 5

```

22Sep11 Prcnt  Code Value and Description
    4856 100.0    2  Event record
    
```

```

-----
Variable 204  VERSION NUMBER                             Width: 2      Type: Numeric
-----
Dec:         None  Miss: None
    
```

NHTSA SAS Variable - VERSION

```

22Sep11 Prcnt  Code Value and Description
    4856 100.0    23  Version 23
    
```

```
-----
Variable 205  EVENT SEQUENCE NUMBER          Width: 2      Type: Numeric
-----          -----                      Dec:   None   Miss: None
```

NHTSA SAS Variable - ACCSEQ

Chronological sequence of events in the crash

```
22Sep11 Prcnt  Code Value and Description
4856 100.0     1  1st event
```

```
-----
Variable 206  VEHICLE NUMBER (1)                      Width: 2      Type: Numeric
-----          -----                      Dec:   None   Miss: None
```

NHTSA SAS Variable - VEHNUM

```
22Sep11 Prcnt  Code Value and Description
4712 97.0       1  Vehicle #1
109  2.2        2  Vehicle #2
29   0.6        3  Vehicle #3
5    0.1        4  Vehicle #4
1    0.0        5  Vehicle #5
```

```
-----
Variable 207  CLASS OF VEHICLE (1)                    Width: 2      Type: Numeric
-----          -----                      Dec:   None   Miss: 99
```

NHTSA SAS Variable - CLASS1

```
22Sep11 Prcnt  Code Value and Description
0    0.0        0  Not a motor vehicle
338  7.0         1  Subcompact/mini (wheelbase < 254 cm)
847  17.4        2  Compact (wheelbase => 254 but < 265 cm)
996  20.5        3  Intermediate (wheelbase => 265 but < 278 cm)
563  11.6        4  Full size (wheelbase => 278 but < 291 cm)
183  3.8         5  Largest (wheelbase => 291 cm)
25   0.5         9  Unknown passenger car size
739  15.2       14  Compact utility vehicle
169  3.5        15  Large utility vehicle (<= 4,536 kgs GVWR)
24   0.5        16  Utility station wagon (<= 4,536 kgs GVWR)
4    0.1        19  Unknown utility type

224  4.6        20  Minivan (<= 4,536 kgs GVWR)
50   1.0        21  Large van (<= 4,536 kgs GVWR)
1    0.0        24  Van based school bus (<= 4,536 kgs GVWR)
10   0.2        28  Other van type (<= 4,536 kgs GVWR)
1    0.0        29  Unknown van type (<= 4,536 kgs GVWR)

201  4.1        30  Compact pickup truck (<= 4,536 kgs GVWR)
362  7.5        31  Large pickup truck (<= 4,536 kgs GVWR)
0    0.0        38  Other pickup truck (<= 4,536 kgs GVWR)
```

Variable 207:CLASS OF VEHICLE (1) (Continued)

22Sep11	Prcnt	Code	Value and Description
	0.0	39	Unknown Pickup truck (<= 4,536 kgs GVWR)
	0.1	45	Other light truck (<= 4,536 kgs GVWR)
	0.0	48	Unknown light truck (<= 4,536 kgs GVWR)
	0.0	49	Unknown light vehicle type
	0.1	50	School bus (excludes van based) (> 4,536 kgs GVWR)
	0.1	58	Other bus (> 4,500 kgs GVWR)
	0.0	59	Unknown bus type
28	0.6	60	Truck (> 4,500 kgs GVWR)
	0.1	67	Bobtail tractor
42	0.9	68	Tractor-trailer(s)
	0.1	78	Unknown medium/heavy truck type
	0.1	79	Unknown light/medium/heavy truck type
	0.1	80	Motored cycle
	0.0	90	Other vehicle
15	0.3	99	Unknown

 Variable 208 GEN AREA OF DAMAGE (1) Width: 2 Type: Numeric
 ----- Dec: None Miss: 99

NHTSA SAS Variable - GADEV1

22Sep11	Prcnt	Code	Value and Description
	0.0	0	(0) Not a motor vehicle
3179	65.5	1	(F) Front
631	13.0	2	(R) Right Side
588	12.1	3	(L) Left Side
164	3.4	4	(B) Back or TDC: back of unit with cargo area (rear of trailer or straight truck)
	0.0	5	(D) Back (rear of tractor)
	0.0	6	(C) Rear of cab
	0.0	7	(V) Front of cargo area
170	3.5	8	(T) Top
50	1.0	9	(U) Undercarriage
	0.0	96	(N) Noncollision
71	1.5	99	(9) Unknown

```
-----
Variable 209  VEH NUM/OBJ CONTACT(2)      Width: 2      Type: Numeric
-----      -----
Dec:  None    Miss: 99
```

NHTSA SAS Variable - OBJCONT

Vehicle or object contacted

22Sep11	Prcnt	Code	Value and Description
97	2.0	1	Vehicle Number 1
3063	63.1	2	Vehicle Number 2
41	0.8	3	Vehicle Number 3
7	0.1	4	Vehicle Number 4
Noncollision			
207	4.3	31	Overturn - rollover (excludes end-over-end)
1	0.0	32	Rollover - end-over-end
0	0.0	33	Fire or explosion
1	0.0	34	Jackknife
0	0.0	35	Other intraunit damage
0	0.0	36	Noncollision injury
1	0.0	38	Other noncollision
0	0.0	39	Noncollision - details unknown
Collision with fixed object			
40	0.8	41	Tree (<= 10 cm in diameter)
178	3.7	42	Tree (> 10 cm in diameter)
31	0.6	43	Shrubbery or bush
71	1.5	44	Embankment
30	0.6	45	Breakaway pole or post (any diameter)
0	0.0	46	Metal guardrail (deleted 2010)
7	0.1	47	Cable barrier guardrail
97	2.0	48	Guardrail face
14	0.3	49	Guardrail end
Nonbreakaway pole or post			
88	1.8	50	Pole or post (<= 10 cm in diameter)
139	2.9	51	Pole or post (>10 or <= 30 cm in diameter)
54	1.1	52	Pole or post (> 30 cm in diameter)
25	0.5	53	Pole, post - diameter unknown
146	3.0	54	Concrete traffic barrier
12	0.2	55	Impact attenuator
3	0.1	56	Other traffic barrier
37	0.8	57	Fence
33	0.7	58	Wall
12	0.2	59	Building
44	0.9	60	Ditch or culvert
11	0.2	61	Ground
9	0.2	62	Fire hydrant
162	3.3	63	Curb
23	0.5	64	Bridge
68	1.4	68	Other fixed object
0	0.0	69	Unknown fixed object

Variable 209:VEH NUM/OBJ CONTACT(2) (Continued)

22Sep11	Prcnt	Code	Value and Description
			Collision with nonfixed object
2	0.0	72	Pedestrian
1	0.0	73	Cyclist
0	0.0	74	Other nonmotorist
0	0.0	75	Vehicle occupant
51	1.1	76	Animal
6	0.1	77	Railway vehicle
1	0.0	78	Trailer, disconnected in-transport
5	0.1	79	Object fell from vehicle in-transport
37	0.8	88	Other nonfixed object
0	0.0	89	Unknown nonfixed object
1	0.0	98	Other event
0	0.0	99	Unknown event or object

 Variable 210 CLASS OF VEHICLE (2) Width: 2 Type: Numeric
 ----- Dec: None Miss: 99

NHTSA SAS Variable - CLASS2

22Sep11	Prcnt	Code	Value and Description
1648	33.9	0	Not a motor vehicle
168	3.5	1	Subcompact/mini (wheelbase < 254 cm)
461	9.5	2	Compact (wheelbase => 254 but < 265 cm)
652	13.4	3	Intermediate (wheelbase => 265 but < 278 cm)
373	7.7	4	Full size (wheelbase => 278 but < 291 cm)
115	2.4	5	Largest (wheelbase => 291 cm)
14	0.3	9	Unknown passenger car size
493	10.2	14	Compact utility vehicle
140	2.9	15	Large utility vehicle (<= 4,536 kgs GVWR)
22	0.5	16	Utility station wagon (<= 4,536 kgs GVWR)
5	0.1	19	Unknown utility type
160	3.3	20	Minivan (<= 4,536 kgs GVWR)
50	1.0	21	Large van (<= 4,536 kgs GVWR)
1	0.0	24	Van based school bus (<= 4,536 kgs GVWR)
12	0.2	28	Other van type (<= 4,536 kgs GVWR)
0	0.0	29	Unknown van type (<= 4,536 kgs GVWR)
113	2.3	30	Compact pickup truck (<= 4,536 kgs GVWR)
239	4.9	31	Large pickup truck (<= 4,536 kgs GVWR)
0	0.0	38	Other pickup truck (<= 4,536 kgs GVWR)
4	0.1	39	Unknown pickup truck (<= 4,536 kgs GVWR)
7	0.1	45	Other light truck (<= 4,536 kgs GVWR)
0	0.0	48	Unknown light truck (<4,536 kgs GVWR)
0	0.0	49	Unknown light vehicle type

Variable 210:CLASS OF VEHICLE (2) (Continued)

22Sep11	Prcnt	Code	Value and Description
8	0.2	50	School bus (excludes van based) (> 4,536 kgs GVWR)
9	0.2	58	Other bus (> 4,500 kgs GVWR)
4	0.1	59	Unknown bus type
55	1.1	60	Truck (> 4,500 kgs GVWR)
2	0.0	67	Bobtail tractor
61	1.3	68	Tractor-trailer(s)
16	0.3	78	Unknown medium/heavy truck type
2	0.0	79	Unknown light/medium/heavy truck type
8	0.2	80	Motored cycle
5	0.1	90	Other vehicle
9	0.2	99	Unknown

 Variable 211 GEN AREA OF DAMAGE (2) Width: 2 Type: Numeric
 ----- ----- Dec: None Miss: 99

NHTSA SAS Variable - GADEV2

22Sep11	Prcnt	Code	Value and Description
1438	29.6	0	(0) Not a motor vehicle
1405	28.9	1	(F) Front
428	8.8	2	(R) Right Side
499	10.3	3	(L) Left Side
850	17.5	4	(B) Back or TDC: back of unit with cargo area (rear of trailer or straight truck)
1	0.0	5	(D) Back (rear of tractor)
0	0.0	6	(C) Rear of cab
0	0.0	7	(V) Front of cargo area
0	0.0	8	(T) Top
1	0.0	9	(U) Undercarriage
210	4.3	96	(N) Noncollision
24	0.5	99	(9) Unknown

```

+-----+
|                                     |
|               The GENERAL VEHICLE Variables               |
|                                     |
|   Variables 301 through 414 describe the vehicles involved in |
|   the crash.                                             |
|                                     |
+-----+
    
```

```

-----
Variable 301  PSU NUMBER                               Width: 2      Type: Numeric
-----
Dec:         None      Miss: None
    
```

NHTSA SAS Variable - PSU

```

22Sep11 Prcnt  Code Value and Description
      261    2.9    2
              -   PSU Number
      344    3.9   82
    
```

```

-----
Variable 302  CASE NUMBER                               Width: 4      Type: Alphabetic
-----
Dec:         None      Miss: None
    
```

NHTSA SAS Variable - CASEID

```

-----
Variable 303  RECORD NUMBER                             Width: 2      Type: Numeric
-----
Dec:         None      Miss: None
    
```

NHTSA SAS Variables Casekey 4 and Casekey 5

```

22Sep11 Prcnt  Code Value and Description
      8921 100.0    3  General Vehicle record
    
```

```

-----
Variable 304  VERSION NUMBER                           Width: 2      Type: Numeric
-----
Dec:         None      Miss: None
    
```

NHTSA SAS Variable - VERSION

```

22Sep11 Prcnt  Code Value and Description
      8921 100.0   23  Version 23
    
```

```
-----
Variable 305  VEHICLE NUMBER                Width: 2      Type: Numeric
-----
Dec:      None  Miss: None
```

NHTSA SAS Variable - VEHNO

22Sep11	Prcnt	Code	Value and Description
4856	54.4	1	Vehicle #1
3288	36.9	2	Vehicle #2
619	6.9	3	Vehicle #3
132	1.5	4	Vehicle #4
20	0.2	5	Vehicle #5
4	0.0	6	Vehicle #6
2	0.0	7	Vehicle #7

```
-----
Variable 306  MODEL YEAR                    Width: 4      Type: Numeric
-----
Dec:      None  Miss: 99
```

NHTSA SAS Variable - MODEL4R

22Sep11	Prcnt	Code	Value and Description
1	0.0	1934	
0	0.0	1955	1955
		-	
70	0.8	1990	1990
93	1.0	1991	1991
140	1.6	1992	1992
175	2.0	1993	1993
224	2.5	1994	1994
269	3.0	1995	1995
283	3.2	1996	1996
421	4.7	1997	1997
441	4.9	1998	1998
478	5.4	1999	1999
540	6.1	2000	2000
560	6.3	2001	2001
578	6.5	2002	2002
561	6.3	2003	2003
501	5.6	2004	2004
556	6.2	2005	2005
536	6.0	2006	2006
688	7.7	2007	2007
663	7.4	2008	2008
425	4.8	2009	2009
382	4.3	2010	2010
22	0.2	2011	2011
92	1.0	9999	Unknown

```
-----
Variable 307  VEHICLE MAKE                Width: 2      Type: Numeric
-----
Dec:      None      Miss: 99
```

NHTSA SAS Variable - MAKE

22Sep11 Prcnt Code Value and Description

22Sep11	Prcnt	Code	Value and Description
1	0.0	1	American Motors
277	3.1	2	Jeep (includes Kaiser-Jeep)
11	0.1	3	AM General
216	2.4	6	Chrysler
518	5.8	7	Dodge
0	0.0	8	Imperial
46	0.5	9	Plymouth
2	0.0	10	Eagle
1369	15.3	12	Ford
82	0.9	13	Lincoln
165	1.8	14	Mercury
181	2.0	18	Buick
118	1.3	19	Cadillac
1330	14.9	20	Chevrolet
117	1.3	21	Oldsmobile
301	3.4	22	Pontiac
211	2.4	23	GMC
126	1.4	24	Saturn
2	0.0	25	Grumman
0	0.0	29	Other domestic
124	1.4	30	Volkswagen
0	0.0	31	Alfa Romeo
30	0.3	32	Audi
0	0.0	33	Austin/Austin Healey
88	1.0	34	BMW
505	5.7	35	Nissan/Datsun
0	0.0	36	Fiat
667	7.5	37	Honda
35	0.4	38	Isuzu
9	0.1	39	Jaguar
0	0.0	40	Lancia
152	1.7	41	Mazda
96	1.1	42	Mercedes Benz
0	0.0	43	MG
0	0.0	44	Peugeot
4	0.0	45	Porsche
0	0.0	46	Renault
22	0.2	47	Saab
106	1.2	48	Subaru
872	9.8	49	Toyota
0	0.0	50	Triumph
72	0.8	51	Volvo
106	1.2	52	Mitsubishi
39	0.4	53	Suzuki
101	1.1	54	Acura
195	2.2	55	Hyundai
0	0.0	56	Merkur
0	0.0	57	Yugo
50	0.6	58	Infiniti

Variable 307:VEHICLE MAKE (Continued)

22Sep11 Prcnt Code Value and Description

105	1.2	59	Lexus
1	0.0	60	Daihatsu
0	0.0	61	Sterling
19	0.2	62	Land Rover
123	1.4	63	KIA
2	0.0	64	Daewoo
2	0.0	65	Mini
14	0.2	69	Other imports
0	0.0	70	BSA
0	0.0	71	Ducati
5	0.1	72	Harley-Davidson
1	0.0	73	Kawasaki
0	0.0	74	Moto-Guzzi
0	0.0	75	Norton
3	0.0	76	Yamaha
1	0.0	78	Other make moped
2	0.0	79	Other motored cycle
0	0.0	80	Brockway
0	0.0	81	Diamond Reo, Reo
52	0.6	82	Freightliner/White Freightliner/White
0	0.0	83	FWD
53	0.6	84	International Harvester/Navistar
20	0.2	85	Kenworth
19	0.2	86	Mack
24	0.3	87	Peterbilt
0	0.0	88	Iveco/Magirus
46	0.5	98	Other make
83	0.9	99	Unknown make

 Variable 308 MAKE/MODEL Width: 5 Type: Numeric
 ----- Dec: None Miss: 99999

NHTSA SAS Variables - MAKE+MODEL

22Sep11 Prcnt Code Value and Description

			American Motors
1	0.0	1007	Hornet/Concord
			Jeep
4	0.0	2001	Jeep Compass
5	0.1	2401	CJ-2/CJ-3/CJ-4
9	0.1	2402	CJ-5/CJ-6/CJ-7/CJ-8
25	0.3	2403	YJ-Wrangler
157	1.8	2404	Cherokee (84 on)
55	0.6	2405	JEEP Liberty
8	0.1	2406	Commander
12	0.1	2407	Patriot
1	0.0	2431	Grand Wagoneer
1	0.0	2499	Unk Light Truck

Variable 308:MAKE/MODEL (Continued)

22Sep11	Prcnt	Code	Value and Description
			AM General
7	0.1	3402	AM Hummer H3
4	0.0	3421	Hummer
			Chrysler
2	0.0	6014	New Yorker/E-Class/Imperial (90-on)/Fifth Avenue
6	0.1	6016	Lebaron
13	0.1	6041	Concorde
3	0.0	6042	LHS
53	0.6	6043	Sebring
7	0.1	6044	Cirrus
39	0.4	6051	CHRY 300M
33	0.4	6052	CHRY PT Cruiser
14	0.2	6054	CHRY Pacifica
1	0.0	6399	Unk Auto
1	0.0	6421	Aspen
39	0.4	6441	Town & Country (Minivan)
5	0.1	6442	Voyager
			Dodge
2	0.0	7004	Viper
1	0.0	7011	Aries (K)
1	0.0	7015	Daytona
3	0.0	7018	Dynasty
4	0.0	7019	Spirit
36	0.4	7020	Neon
10	0.1	7021	Magnum
28	0.3	7024	Charger (2006+)
16	0.2	7025	Caliber
21	0.2	7026	Avenger
7	0.1	7027	Journey
3	0.0	7028	Challenger (2008-On)
2	0.0	7039	Stealth
27	0.3	7041	Intrepid
7	0.1	7042	Avenger
34	0.4	7043	Stratus
9	0.1	7403	Nitro
41	0.5	7422	Durango
1	0.0	7441	Vista
108	1.2	7442	Caravan
10	0.1	7461	B-series Van
5	0.1	7462	Sprinter
37	0.4	7472	Dakota
8	0.1	7481	D,W-series Pickup
95	1.1	7482	Ram 1500/2500/3500 P/U
1	0.0	7498	Other lt Truck
1	0.0	7898	Other med/hvy truck
			Imperial
			Plymouth
1	0.0	9001	Valiant/Scamp/Duster(thru 76)

Variable 308:MAKE/MODEL (Continued)

22Sep11 Prcnt Code Value and Description

1	0.0	9004	Gran Fury
2	0.0	9011	Reliant (K)
1	0.0	9017	Sundance
2	0.0	9019	Acclaim
9	0.1	9020	Neon
10	0.1	9038	Breeze
20	0.2	9442	Voyager (minivan)
			Eagle
1	0.0	10034	Summit
1	0.0	10441	Summit Wagon
			Ford
74	0.8	12003	Mustang/Mustang II
11	0.1	12004	Thunderbird
1	0.0	12006	Ltd/Galaxy/Custom
1	0.0	12012	Fairmont
50	0.6	12013	Escort/EXP
4	0.0	12015	Tempo
57	0.6	12016	Crown Victoria
153	1.7	12017	Taurus
3	0.0	12018	Probe
6	0.1	12021	500
34	0.4	12023	Fusion
17	0.2	12024	Edge
4	0.0	12025	Flex
15	0.2	12035	Contour
4	0.0	12036	Aspire
115	1.3	12037	Focus
188	2.1	12401	Bronco II/Bronco(thru 77)/Explorer
66	0.7	12402	Escape
6	0.1	12421	Bronco-fullsize (78 on)
68	0.8	12422	Expedition
4	0.0	12431	Excursion
5	0.1	12441	Aerostar
42	0.5	12442	Windstar
4	0.0	12443	Freestar
1	0.0	12444	Transit Connect
61	0.7	12461	E-series Van
1	0.0	12470	Van derivative
91	1.0	12471	Ranger
7	0.1	12473	Sport Trac
244	2.7	12481	F-series Pickup
8	0.1	12498	Other lt truck
12	0.1	12880	F450/550 Pickup > 4536 GVWR
3	0.0	12881	Med/Hvy CBE
1	0.0	12882	Med/Hvy COE low entry
1	0.0	12883	Med/Hvy COE high entry
1	0.0	12884	Med/Hvy unk engine location
1	0.0	12890	Med/Hvy COE unk entry position
3	0.0	12898	Other Med/Hvy truck
1	0.0	12981	Medium Bus

Variable 308:MAKE/MODEL (Continued)

22Sep11	Prcnt	Code	Value and Description
1	0.0	12989	Unknown Bus Type
			Lincoln
44	0.5	13001	Town Car/Continental
3	0.0	13002	Mark I - VIII
7	0.1	13005	Continental (82 on)
5	0.1	13012	LS
6	0.1	13013	Zephyr
3	0.0	13014	MKX
4	0.0	13015	MKS
1	0.0	13399	Unk Auto
3	0.0	13401	Aviator
6	0.1	13421	Navigator
			Mercury
3	0.0	14004	Cougar/XR7
39	0.4	14006	Marquis/Monterey
2	0.0	14015	Topaz
48	0.5	14017	Sable
6	0.1	14021	Milan
5	0.1	14036	Tracer
6	0.1	14037	Mystique
14	0.2	14038	Cougar
22	0.2	14401	Mountaineer
6	0.1	14402	Mariner
13	0.1	14443	Villager
1	0.0	14444	Monterey
			Buick
57	0.6	18002	Lesabre/Wildcat/Centurion
19	0.2	18003	Electra/Electra 225/Park Avenue (91 on)
7	0.1	18004	Roadmaster
2	0.0	18005	Riviera
35	0.4	18007	Century
16	0.2	18010	Regal
4	0.0	18018	Somerset/Skylark(86 on)
14	0.2	18020	Regal FWD
1	0.0	18021	Reatta
8	0.1	18022	Lacross
6	0.1	18023	Lucerine
2	0.0	18024	Enclave
8	0.1	18401	Rendezvous
2	0.0	18402	Rainier
			Cadillac
40	0.4	19003	Deville/Fleetwood (except Limousine)
9	0.1	19005	Eldorado
14	0.2	19014	Seville
2	0.0	19017	Catera
14	0.2	19018	CTS
7	0.1	19020	SRX
5	0.1	19021	STS

Variable 308:MAKE/MODEL (Continued)

22Sep11	Prcnt	Code	Value and Description
9	0.1	19022	DTS
1	0.0	19399	Unk Auto
12	0.1	19421	Escalade
1	0.0	19431	Escalade ESV
4	0.0	19481	Escalade EXT
			Chevrolet
2	0.0	20001	Malibu/Chevelle
140	1.6	20002	Caprice/Impala
8	0.1	20004	Corvette
1	0.0	20007	El Camino
1	0.0	20008	Nova (-79)
19	0.2	20009	Camaro
1	0.0	20013	Chevette
97	1.1	20016	Cavalier
9	0.1	20019	Baretta/Corsica
41	0.5	20020	Lumina
81	0.9	20022	Cobalt
27	0.3	20023	HHR
10	0.1	20024	Traverse
23	0.3	20032	Nova/Geo Prizm
6	0.1	20034	Geo Metro
33	0.4	20036	Monte Carlo (FWD only)
113	1.3	20037	Malibu
32	0.4	20039	Aveo
1	0.0	20398	Other Auto
57	0.6	20401	S-10 Blazer
14	0.2	20402	Geo Tracker
68	0.8	20403	Trailblazer (2002+)
18	0.2	20404	Equinox
83	0.9	20421	Blazer-fullsize
44	0.5	20431	Suburban
26	0.3	20441	Astro Van
14	0.2	20442	Lumina APV
12	0.1	20444	Uplander
46	0.5	20461	G-series Van
5	0.1	20466	P-series Van
2	0.0	20470	Van Derivative
57	0.6	20471	S-10,T-10
11	0.1	20473	Colorado
195	2.2	20481	C,K,R,V-series Pickup
19	0.2	20482	Avalanche
6	0.1	20498	Other lt truck
4	0.0	20499	Unk lt truck
1	0.0	20881	Med/Hvy CBE
2	0.0	20898	Other med/hvy trk
1	0.0	20899	Unk med/hvy trk
			Oldsmobile
7	0.1	21001	Cutlass (RWD only)
19	0.2	21002	Delta 88
5	0.1	21003	Ninety-Eight

Variable 308:MAKE/MODEL (Continued)

22Sep11	Prcnt	Code	Value and Description
12	0.1	21017	Ciera
1	0.0	21018	Calais
16	0.2	21020	Cutlass (FWD)
4	0.0	21021	Achieva
10	0.1	21022	Aurora
16	0.2	21023	Intrigue
17	0.2	21024	Alero
8	0.1	21401	Bravada
2	0.0	21441	Silhouette
Pontiac			
22	0.2	22002	Bonneville/Catalina/Parisienne
1	0.0	22005	Fiero
2	0.0	22008	Ventura
11	0.1	22009	Firebird/Trans AM
3	0.0	22010	Grand Prix RWD
2	0.0	22012	Sunbird (thru 80)
27	0.3	22016	J2000/2000/Sunbird(84 on)
58	0.7	22018	Grand AM
3	0.0	22019	G5
73	0.8	22020	Grand Prix FWD
51	0.6	22022	G6
1	0.0	22023	Soltice
19	0.2	22032	Vibe
4	0.0	22401	Aztek
5	0.1	22403	Torrent
19	0.2	22441	Trans Sport
GMC			
1	0.0	23008	Arcadia
47	0.5	23401	Jimmy/Typhoon S-15 based
6	0.1	23402	Terrain
44	0.5	23421	Jimmy fullsize/Yukon
4	0.0	23431	Suburban
7	0.1	23441	Safari (Minivan)
5	0.1	23461	G-series Van
15	0.2	23471	S15/T15/Somona
3	0.0	23472	Canyon
64	0.7	23481	C,K,R,V-series Pickup
2	0.0	23498	Other lt truck
9	0.1	23881	Med/Hvy CBE
1	0.0	23883	Med/Hvy COE high entry
1	0.0	23890	Med/Hvy COE Unk entry position
1	0.0	23899	Unk med/hvy trk
1	0.0	23981	Bus B6000
Saturn			
35	0.4	24001	SL
21	0.2	24002	SC
4	0.0	24003	SW
17	0.2	24005	LS
16	0.2	24007	Ion

Variable 308:MAKE/MODEL (Continued)

22Sep11 Prcnt Code Value and Description

1	0.0	24008	Sky
6	0.1	24009	Aura
3	0.0	24010	Outlook
22	0.2	24401	Vue
1	0.0	24441	Relay
			Grumman
2	0.0	25441	LLV Postal
			Other Domestic
			Volkswagen
4	0.0	30032	Beetle 1300/1500
1	0.0	30036	Rabbit
60	0.7	30040	Jetta
16	0.2	30042	Golf
26	0.3	30046	Passat
5	0.1	30047	Jetta III
7	0.1	30049	New Beetle
2	0.0	30421	Touareg
3	0.0	30441	Vanagon/Camper
			Alfa Romeo
			Audi
5	0.1	32032	100/A6
1	0.0	32040	S4/S6
18	0.2	32042	A4
2	0.0	32045	TT
1	0.0	32049	A5
3	0.0	32401	Q7
			Austin/Austin Healey
			BMW
2	0.0	34033	Bavarian Sedan
39	0.4	34034	3-series
21	0.2	34035	5-series
1	0.0	34036	6-series
8	0.1	34037	7-series
1	0.0	34039	Z3
1	0.0	34042	Z4
13	0.1	34401	X5
2	0.0	34402	X3
			Nissan/Datsun
5	0.1	35032	200SX/240SX
2	0.0	35034	Z-car, ZX
83	0.9	35039	810/Maxima
78	0.9	35043	Sentra
1	0.0	35046	NX 1600/2000
153	1.7	35047	Altima

Variable 308:MAKE/MODEL (Continued)

22Sep11 Prcnt Code Value and Description

4	0.0	35048	350Z
19	0.2	35049	Murano
19	0.2	35050	Versa
9	0.1	35051	Rogue
1	0.0	35398	Other Auto
2	0.0	35399	Unk Auto
37	0.4	35401	Pathfinder
15	0.2	35402	XTerra
8	0.1	35421	Pathfinder Amada
13	0.1	35443	Quest
42	0.5	35471	Pickup / Frontier
13	0.1	35481	Titan
1	0.0	35499	Unk lt truck
			Fiat
			Honda
226	2.5	37031	Civic/CRX, del Sol
252	2.8	37032	Accord
4	0.0	37033	Prelude
3	0.0	37035	S2000
5	0.1	37037	Insight
9	0.1	37039	Fit
1	0.0	37399	Unk Auto
6	0.1	37401	Passport
60	0.7	37402	C-RV (small sport utility vehicle)
12	0.1	37403	Element
30	0.3	37421	Pilot
50	0.6	37441	Odyssey
6	0.1	37471	Ridgeline
2	0.0	37705	450-749cc
1	0.0	37706	750cc & over
			Isuzu
6	0.1	38401	Trooper/Trooper II
17	0.2	38402	Rodeo
4	0.0	38421	Ascender
3	0.0	38473	I280/I290 PU E C 4X2
2	0.0	38881	Med/Hvy CBE
1	0.0	38898	Other med/hvy trk
1	0.0	38899	Unk med/hvy trk
1	0.0	38999	Unk vehicle
			Jaguar
1	0.0	39033	XK-E
3	0.0	39034	X100
5	0.1	39035	X-type
			Lancia
			Mazda
5	0.1	41034	RX7

Variable 308:MAKE/MODEL (Continued)

22Sep11	Prcnt	Code	Value and Description
20	0.2	41035	GLC/323/Protege
22	0.2	41037	626
1	0.0	41044	MX-6
11	0.1	41045	Miata
1	0.0	41046	MX-3
4	0.0	41047	Millenia
2	0.0	41049	RX-8
23	0.3	41050	Mazda 6
33	0.4	41051	Mazda 3
8	0.1	41052	Mazda 5
1	0.0	41053	Mazda CX-7
7	0.1	41402	Tribute
5	0.1	41441	MPV
9	0.1	41471	Mazda Pickup
Mercedes Benz			
16	0.2	42031	200/220/230/240/250/260/280/300 Sedan/Coupe
1	0.0	42032	230/280 SL 2-pass
3	0.0	42033	300/350/380/450/500/560 SL 2-pass
1	0.0	42034	350/380/420/450/560 SLC
1	0.0	42035	280/300 SEL
1	0.0	42036	380/420/450/500/560 SEL, 500/560 SEC, 300/350 SDL
2	0.0	42037	300/380/450 SE
2	0.0	42039	190
4	0.0	42040	300
6	0.1	42042	220/280 C
9	0.1	42043	S Class
3	0.0	42044	SL Class
1	0.0	42045	SLK
8	0.1	42047	CLK
12	0.1	42048	E Class
2	0.0	42050	R-Class
3	0.0	42051	CLS Class
1	0.0	42399	Unk auto
17	0.2	42401	M
3	0.0	42402	G Class
MG			
Peugeot			
Porsche			
1	0.0	45031	911
1	0.0	45040	Boxster
1	0.0	45041	Cayman Coupe
1	0.0	45421	Cayenne
Renault			
Saab			
6	0.1	47031	99/99E/900
1	0.0	47034	9000

Variable 308:MAKE/MODEL (Continued)

22Sep11	Prcnt	Code	Value and Description
9	0.1	47035	9-3
6	0.1	47036	9-5
			Subaru
2	0.0	48031	DL/FE/G/GF/GL/GLF/STD/Loyale(90 on)
37	0.4	48034	Legacy
32	0.4	48038	Impreza
1	0.0	48044	Baja
13	0.1	48045	Outback (2003+)
20	0.2	48401	Forester
1	0.0	48402	B9 Tribeca
			Toyota
167	1.9	49032	Corolla
8	0.1	49033	Celica
18	0.2	49038	Tercel
262	2.9	49040	Camry
2	0.0	49042	Paseo
32	0.4	49043	Avalon
11	0.1	49044	Solara
3	0.0	49045	Echo
27	0.3	49046	Prius
2	0.0	49048	Scion XA
11	0.1	49049	Scion XB
11	0.1	49050	Scion TC
21	0.2	49051	Yaris
3	0.0	49052	Scion XD
1	0.0	49053	Venza
41	0.5	49401	4-Runner
43	0.5	49402	RAV-4
36	0.4	49403	Highlander
14	0.2	49404	Matrix
12	0.1	49405	FJ Cruiser
6	0.1	49421	Landcruiser
12	0.1	49422	Sequoia
5	0.1	49441	Minivan (84-90)/Previa (91 on)
35	0.4	49442	Sienna
16	0.2	49471	Pickup
45	0.5	49472	Tacoma
2	0.0	49481	T-100
25	0.3	49482	Tundra
1	0.0	49999	Unk vehicle
			Triumph
			Volvo
3	0.0	51034	240/242/244/245
3	0.0	51039	740
1	0.0	51040	940
1	0.0	51041	960
5	0.1	51042	850
17	0.2	51043	70

Variable 308:MAKE/MODEL (Continued)

22Sep11	Prcnt	Code	Value and Description
6	0.1	51045	80
5	0.1	51046	40 Series
6	0.1	51047	60 Series
1	0.0	51048	V50
1	0.0	51049	C30
1	0.0	51050	XC60
1	0.0	51399	Unk auto
8	0.1	51401	XC90
6	0.1	51881	Med/Hvy CBE
1	0.0	51882	Med/Hvy COE low entry
4	0.0	51883	Med/Hvy COE high entry
1	0.0	51890	Med/Hvy unk entry position
1	0.0	51999	Unk vehicle
Mitsubishi			
32	0.4	52034	Galant
5	0.1	52035	Mirage
17	0.2	52037	Eclipse
1	0.0	52039	3000 GT
2	0.0	52040	Diamante
13	0.1	52046	Lancer
18	0.2	52401	Montero
8	0.1	52402	Outlander
6	0.1	52403	Endeavor
1	0.0	52471	Pickup
3	0.0	52882	Med/Hvy COE low entry
Suzuki			
1	0.0	53034	Swift
2	0.0	53036	Aerio
9	0.1	53037	Forenza
2	0.0	53038	Verona
1	0.0	53039	Reno
6	0.1	53040	SX4
1	0.0	53402	Sidekick
1	0.0	53403	X-90
9	0.1	53404	Grand Vitara
6	0.1	53405	XL7
1	0.0	53705	450-749cc
Acura			
23	0.3	54031	Integra
9	0.1	54032	Legend (86-95) / RL (96-on)
2	0.0	54034	Vigor
29	0.3	54035	CL / TL
10	0.1	54038	RSX
12	0.1	54039	TSX
1	0.0	54399	Unknown automobile
3	0.0	54402	RDX
12	0.1	54421	MDX

Variable 308:MAKE/MODEL (Continued)

22Sep11 Prcnt Code Value and Description

			Hyundai
54	0.6	55033	Sonata
59	0.7	55035	Elantra
30	0.3	55036	Accent
9	0.1	55037	Tiburon
2	0.0	55038	XG300
2	0.0	55041	Genesis
29	0.3	55401	Santa Fe
7	0.1	55402	Tucson
3	0.0	55441	Entourage
			Merkur
			Yugo
			Infiniti
3	0.0	58032	Q45
6	0.1	58033	G20
1	0.0	58034	J30
3	0.0	58035	I30
3	0.0	58036	I35
16	0.2	58037	G35
2	0.0	58038	M45
7	0.1	58039	FX35 / 45
8	0.1	58401	T30
1	0.0	58421	QX56
			Lexus
25	0.3	59031	ES-250/ES-300
15	0.2	59032	LS-400
4	0.0	59033	SC-400/SC-300
11	0.1	59034	GS-300
8	0.1	59035	IS-300
3	0.0	59036	SC-430
13	0.1	59401	RX 300
4	0.0	59402	GX 470
20	0.2	59403	RX330/359/400h
2	0.0	59421	LX 450/470
			Daihatsu
1	0.0	60031	Charade
			Sterling
			Land Rover
10	0.1	62401	Discovery (LR)
4	0.0	62421	County LWB (RR) [thru 94] / County Classic (RR) [94-on]
3	0.0	62422	Defender / 4.0 SE (RR)
1	0.0	62423	LR3
1	0.0	62424	LR2

Variable 308:MAKE/MODEL (Continued)

22Sep11	Prcnt	Code	Value and Description
			KIA
5	0.1	63031	Sephia
20	0.2	63032	Spectra
18	0.2	63033	Rio
18	0.2	63034	Optima
2	0.0	63035	Amanti
6	0.1	63036	Rondo
5	0.1	63037	Soul
5	0.1	63038	Forte
16	0.2	63401	Sportage
15	0.2	63402	Sorrento
2	0.0	63421	Borrego
11	0.1	63441	Sedona
			DAEWOO
1	0.0	64031	Lanos
1	0.0	64033	Leganza
			MINI
2	0.0	65031	Cooper/Cooper S
			Other Imports
1	0.0	69040	Maserati
13	0.1	69054	Mini Cooper, Cooper S
			BSA
			Ducati
			Harley-Davidson
4	0.0	72706	750cc & over
1	0.0	72709	Unk cc
			Kawasaki
1	0.0	73709	Unk cc
			Moto-Guzzi
			Norton
			Yamaha
3	0.0	76709	Unk cc
			Other Make Moped
1	0.0	78709	Unk cc
			Other Make Motored Cycle
1	0.0	79706	750cc & over
1	0.0	79799	Unk motorcycle
			Brockway

Variable 308:MAKE/MODEL (Continued)

22Sep11	Prcnt	Code	Value and Description
			Diamond Reo/Reo
			Freightliner/White
27	0.3	82881	Med/Hvy CBE
4	0.0	82883	Med/Hvy COE high entry
15	0.2	82884	Med/Hvy Unk engine location
2	0.0	82890	Med/Hvy COE Unk entry position
1	0.0	82898	Other med/hvy trk
1	0.0	82899	Unk med/hvy trk
1	0.0	82981	Conventional Bus
1	0.0	82982	Bus-flat front, front engine
			FWD
			International Harvester/Navistar
28	0.3	84881	Med/Hvy CBE
3	0.0	84883	Med/Hvy COE high entry
7	0.1	84884	Med/Hvy unk engine location
6	0.1	84890	Med/Hvy COE unk entry position
2	0.0	84899	Unk med/hvy trk
3	0.0	84981	Conventional Bus
2	0.0	84983	Bus-flat front, rear engine
2	0.0	84989	Unknown bus type
			Kenworth
11	0.1	85881	Med/Hvy CBE
2	0.0	85883	Med/Hvy COE high entry
6	0.1	85884	Med/Hvy Unk engine location
1	0.0	85890	Med/Hvy COE Unk entry position
			Mack
10	0.1	86881	Med/Hvy CBE
1	0.0	86882	Med/Hvy COE low entry
1	0.0	86883	Med/Hvy COE high entry
4	0.0	86884	Med/Hvy Unk engine location
2	0.0	86890	Med/Hvy COE Unk entry position
1	0.0	86899	Unk med/hvy trk
			Peterbilt
14	0.2	87881	Med/Hvy CBE
4	0.0	87883	Med/Hvy COE high entry
4	0.0	87884	Med/Hvy Unk engine location
2	0.0	87890	Med/Hvy COE Unk entry position
			Iveco/Magirus
			Other Make
1	0.0	98804	WESTERN STAR
1	0.0	98805	OSHKOSH
3	0.0	98806	HINO
8	0.1	98808	STERLING COE/Low entry
4	0.0	98898	Other med/hvy trk

Variable 308:MAKE/MODEL (Continued)

22Sep11	Prcnt	Code	Value and Description
1	0.0	98950	Bus based Motorhome
21	0.2	98988	Other bus
7	0.1	98998	Other vehicle
Unknown Make			
28	0.3	99399	Unknown automobile
7	0.1	99499	Unknown light truck
1	0.0	99799	Unknown motored cycle
14	0.2	99899	Unk med/hvy trk
2	0.0	99988	Other bus
1	0.0	99989	Unknown bus type
30	0.3	99999	Unk vehicle

```

-----
Variable 309  BODY TYPE                               Width: 2      Type: Numeric
-----
Dec:  None      Miss: 99
  
```

NHTSA SAS Variable - BODYTYPE

22Sep11	Prcnt	Code	Value and Description
Automobiles			
93	1.0	1	Convertible (excludes sunroof, t-bar)
581	6.5	2	2-door sedan, hardtop, coupe
162	1.8	3	3-door/2-door hatchback
3790	42.5	4	4-door sedan, hardtop
238	2.7	5	5-door/4-door hatchback
236	2.6	6	Station Wagon (excluding van and truck based)
0	0.0	7	Hatchback, number of doors unknown
2	0.0	8	Other automobile type
56	0.6	9	Unknown automobile type
Automobile Derivatives			
2	0.0	10	Auto based pickup (includes El Camino, Caballero, Rancho, Brat and Rabbit pickup)
2	0.0	11	Auto based panel (cargo station wagon, auto based ambulance/hearse)
2	0.0	12	Large limousine - more than four side doors or stretched chassis
0	0.0	13	Three-wheel automobile or automobile derivative

Variable 309:BODY TYPE (Continued)

22Sep11	Prcnt	Code	Value and Description
			Utility Vehicles (<= 4,536 kgs GVWR)
1378	15.4	14	Compact utility (includes Jeep CJ-2 thru Jeep CJ-7, Renegade, Wrangler, Navajo, Bronco, Thing)
354	4.0	15	Large utility (includes Jeep Cherokee, Ram Charger, Trailduster, fullsize Blazer, Scout)
51	0.6	16	Utility station wagon (Chevy Suburban, GMC Suburban, Travelall, Grand Wagoneer, includes suburban limousine)
4	0.0	17	3-door coupe
10	0.1	19	Utility unknown body type
			Van Based Light Trucks (<= 4,536 kgs GVWR)
445	5.0	20	Minivan (Astro, Caravan, Plymouth Vista, Aerostar, Safari, etc.)
112	1.3	21	Large van (Sportsman, Royal, Ram, Chevy Van, Voyager-Pre83, Econoline, etc.)
7	0.1	22	Step van or walk-in van (<= 4,536 kgs GVWR)
0	0.0	23	Van based motorhome (<= 4,536 kgs GVWR)
2	0.0	24	Van based school bus (<= 4,536 kgs GVWR)
4	0.0	25	Van based other bus (<= 4,536 kgs GVWR)
15	0.2	28	Other van type (Hi-Cube Van, Kary)
1	0.0	29	Unknown van type
			Lt Conventional Truck (P.U. style cab, <= 4,536 kgs. GVWR)
343	3.8	30	Compact pickup (Ram 50, Dakota, Arrow Pickup, Ranger, Toyota Pickup, etc.)
667	7.5	31	Large pickup (Jeep Pickup, Comanche, Silverado, Sierra, etc.)
0	0.0	32	Pickup with slide-in camper
0	0.0	33	Convertible pickup
9	0.1	39	Unknown (pickup style) light conventional truck type
			Other Light Trucks (<= 4,536 kgs. GVWR)
12	0.1	40	Cab chassis based (includes rescue vehicle, light stake, dump, and tow truck)
0	0.0	41	Truck based panel
0	0.0	42	Light truck based motorhome (chassis mounted)
0	0.0	45	Other light conventional truck type
1	0.0	48	Unknown light truck type
0	0.0	49	Unknown light vehicle type (automobile, utility, van, or light truck)
			Buses (excludes van based)
15	0.2	50	School bus (designed to carry students, not cross country or transit)
18	0.2	58	Other bus type (e.g., transit, intercity, bus based motorhome)
4	0.0	59	Unknown bus type
			Medium/Heavy Trucks (> 4,536 kgs GVWR)
3	0.0	60	Step van (> 4,536 kgs GVWR)
21	0.2	61	Single unit straight truck (4,536 kgs < GVWR <= 8,845 kgs)

----- Variable 312 -----	VIN - CHARACTER #2 -----	Width: 1 Dec: None	Type: Alphabetic Miss: None
----- Variable 313 -----	VIN - CHARACTER #3 -----	Width: 1 Dec: None	Type: Alphabetic Miss: None
----- Variable 314 -----	VIN - CHARACTER #4 -----	Width: 1 Dec: None	Type: Alphabetic Miss: None
----- Variable 315 -----	VIN - CHARACTER #5 -----	Width: 1 Dec: None	Type: Alphabetic Miss: None
----- Variable 316 -----	VIN - CHARACTER #6 -----	Width: 1 Dec: None	Type: Alphabetic Miss: None
----- Variable 317 -----	VIN - CHARACTER #7 -----	Width: 1 Dec: None	Type: Alphabetic Miss: None
----- Variable 318 -----	VIN - CHARACTER #8 -----	Width: 1 Dec: None	Type: Alphabetic Miss: None
----- Variable 319 -----	VIN - CHARACTER #9 -----	Width: 1 Dec: None	Type: Alphabetic Miss: None
----- Variable 320 -----	VIN - CHARACTER #10 -----	Width: 1 Dec: None	Type: Alphabetic Miss: None
----- Variable 321 -----	VIN - CHARACTER #11 -----	Width: 1 Dec: None	Type: Alphabetic Miss: None

```
-----
Variable 322  VIN - CHARACTER #12          Width: 1      Type: Alphabetic
-----
Dec:      None      Miss: None
```

```
-----
Variable 323  VIN LENGTH                          Width: 2      Type: Numeric
-----
Dec:      None      Miss: 99
```

NHTSA SAS Variable - VINLNPTH

22Sep11	Prcnt	Code	Value and Description
1	0.0	7	- Length of VIN
8537	95.7	17	
353	4.0	99	Unknown

```
-----
Variable 324  VIN MODEL YEAR                    Width: 4      Type: Numeric
-----
Dec:      None      Miss: 99
```

NHTSA SAS Variable - VINMODYR

Vina derived - Vehicle's Model Year

22Sep11	Prcnt	Code	Value and Description
1	0.0	1934	
0	0.0	1955	1955
		-	
256	2.9	1995	1995
275	3.1	1996	1996
411	4.6	1997	1997
428	4.8	1998	1998
465	5.2	1999	1999
519	5.8	2000	2000
545	6.1	2001	2001
558	6.3	2002	2002
548	6.1	2003	2003
484	5.4	2004	2004
538	6.0	2005	2005
523	5.9	2006	2006
677	7.6	2007	2007
648	7.3	2008	2008
412	4.6	2009	2009
363	4.1	2010	2010
21	0.2	2011	2011
355	4.0	9999	Unknown

```
-----
Variable 325  VIN MAKE                               Width: 5      Type: Alphabetic
-----
Dec:  None      Miss: None
```

NHTSA SAS Variable - VINMAKE

Vina derived - Make

```
-----
Variable 326  VIN MODEL CARS                           Width: 3      Type: Alphabetic
-----
Dec:  None      Miss: None
```

NHTSA SAS Variable - VINAMOD

Vina derived - Model (Passenger Vehicle)

```
-----
Variable 327  VIN BODY TYPE                               Width: 2      Type: Alphabetic
-----
Dec:  None      Miss: None
```

NHTSA SAS Variable - VINBT

Vina derived - Body Type

```
22Sep11 Prcnt  Code Value and Description

Passenger Vehicles
AM  Ambulance
CB  Cab & Chassis (LUV)
CP  Coupe
CV  Convertible
C4  Coupe 4-Door
HB  Hatchback (used only when number of doors is unknown)
HR  Hearse
HT  Hardtop (used only when number of doors is unknown)
IN  Incomplete Passenger
LB  Liftback
LM  Limousine (same code as truck-based)
NB  Notchback
PK  Pickup (to code trucks commonly registered as passenger
    vehicles)
PN  Panel (to code trucks commonly registered as passenger
    vehicles)
P2  2 Passenger Low
P4  4 Passenger Low
RD  Roadster
SB  Sport Hatchback
SC  Sport Coupe
SD  Sedan (used only when number of doors is unknown)
SV  Sport Van
SW  Station Wagon
UT  Utility (to code trucks commonly registered as passenger
    vehicles)
```

Variable 327:VIN BODY TYPE (Continued)

22Sep11 Prcnt Code Value and Description

WW Wide Wheel Wagon
2D Sedan 2-Door
2F Formal Hardtop 2-Door
2H Hatchback 2-Door
2L Liftback 3-Door
2P Pillard Hardtop 2-Door
2T Hardtop 2-Door
2W Wagon 2-Door
3D Runabout 3-Door
3P Coupe 3-Door
4D Sedan 4-Door
4H Hatchback 4-Door
4L Liftback 5-Door
4P Pillard Hardtop 4-Door
4T Hardtop 4-Door
4W Wagon 4-Door
5D Sedan 5-Door

Trucks

AC Auto Carrier
AR Armored Truck
BU Bus
CB Chassis and Cab
CC Conventional Cab
CG Cargo Van
CH Crew Chassis
CL Club Chassis
CM Concrete or Transit Mixer
CR Crane
CS Super Cab / Chassis Pickup
CU Custom Pickup
CV Convertible (Jeep Commando, Suzuki Samurai, Dodge Dakota)
CW Crew Pickup
CY Cargo Cutaway
DP Dump
DS Tractor Truck (Diesel)
EC Extended Cargo Van
ES Extended Sport Van
EV Ext Van
EW Extended Window Van
FB Flat-bed or Platform
FC Forward Control
FT Fire Truck
GG Garbage or Refuse
GL Gliders
GN Grain
HO Hopper
IC Incomplete Chassis
IE Incomplete Ext Van
LG Logger
LL Suburban & Carry All
LM Limousine (same code as auto-based)

Variable 327:VIN BODY TYPE (Continued)

22Sep11 Prcnt Code Value and Description

MH Motorized Home
MP Multi-purpose
MV Maxi Van
MW Maxi Wagon
MY Motorized Cutaway
PC Club Cab Pickup
PD Parcel Delivery
PK Pickup
PM Pickup with Camper mounted on bed
PN Panel
PS Super Cab Pickup
RD Roadster (Jeep, Jeep Commando)
SN Step Van
SP Sport Pickup
ST Stake or Rack
SV Sports Van
SW Station Wagon (Jeep Wagoneer, Dodge Sportsman A100,
Toyota Landcruiser)
S1 One Seat
S2 Two Seat
TB Tilt Cab
TL Tilt Tandem
TM Tandem
TN Tank
TR Tractor Truck (Gasoline)
UT Utility (Blazer, Jimmy, Scout, etc.)
VC Van Camper
VD Display Van
VN Van
VT Vanette (Including Metro and Handy Van)
VW Window Van
WK Tow Truck Wrecker
WW Wide Wheel Wagon
XT Travelall (IHC version of Chev. Suburban)
YY Cutaway
2W 2-Door Wagon
3B 3-Door Extended Cab / Chassis
3C 4-Door Extended Cab Pickup
4B 4-Door Extended Cab / Chassis
4C 4-Door Extended Cab Pickup
4W 4-Door Wagon
8V 8 Passenger Sport Van

Motorcycles

AT All Terrain
EN Enduro
MK Mini Bike
MM Mini Motor Cross
MP Moped
MR Mini Road / Trail
MS Motor Scooter
MX Motor Cross

Variable 327:VIN BODY TYPE (Continued)

22Sep11 Prcnt Code Value and Description

MY Mini Cycle
 RC Racer
 RS Road / Street
 RT Road / Trail
 T Dirt
 TL Trail / Dirt
 TR Trails

98 Missing
 99 Unknown

 Variable 328 VIN TYPE OF VEHICLE Width: 2 Type: Numeric
 ----- Dec: None Miss: 99

NHTSA SAS Variable - VEHTYPE

Vina derived - Vehicle Type

22Sep11 Prcnt Code Value and Description

9 0.1 13 M - Motorcycle
 4811 53.9 16 P - Passenger vehicle
 3715 41.6 20 T - Truck
 5 0.1 21 U - Unknown
 381 4.3 39 9 - Unknown
 0 0.0 99 Unknown or unavailable

 Variable 329 VIN ROOF Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - ROOF1

Vina derived - Roof

22Sep11 Prcnt Code Value and Description

7489 83.9 1 Fixed
 9 0.1 2 Manual sun / moon roof
 635 7.1 3 Power sun / moon roof
 17 0.2 4 Removable panels
 5 0.1 5 Removable roof
 56 0.6 6 Retractable roof panel
 18 0.2 7 Other / unknown (VINRTN)
 692 7.8 9 Unknown

 Variable 330 VIN OPTIONAL ROOF 1 Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - ROOF2

Vina derived - Optional Roof 1

22Sep11	Prcnt	Code	Value and Description
10	0.1	1	Fixed
166	1.9	2	Manual sun / moon roof
4235	47.5	3	Power sun / moon roof
23	0.3	4	Removable panels
10	0.1	5	Removable roof
25	0.3	6	Retractable roof panel
15	0.2	7	Other / unknown (VINRTN)
4437	49.7	9	Unknown

 Variable 331 VIN OPTIONAL ROOF 2 Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - ROOF3

Vina derived - Optional Roof 2

22Sep11	Prcnt	Code	Value and Description
0	0.0	1	Fixed
0	0.0	2	Manual sun / moon roof
11	0.1	3	Power sun / moon roof
2	0.0	4	Removable panels
1	0.0	5	Removable roof
58	0.7	6	Retractable roof panel
4	0.0	7	Other / unknown (VINRTN)
8845	99.1	9	Unknown

 Variable 332 VIN VEH WEIGHT - CAR Width: 4 Type: Numeric
 ----- Dec: None Miss: 9999

NHTSA SAS Variable - VEHWGT

Vina derived - Base Shipping Weight (Passenger Vehicle & Motorcycles)

22Sep11	Prcnt	Code	Value and Description
90	1.0	0	
0	0.0	216	216 pounds - Nearest Pound
1	0.0	5035	5035 pounds
4111	46.1	9999	Unknown or Inapplicable - Body Type (V309) = 50-99

```
-----
Variable 333    VINA SERIES TRUCK                    Width: 3        Type: Alphabetic
-----        -----                    Dec:    None     Miss: None
```

NHTSA SAS Variable - SERTR

Vina derived - Series (Truck)

```
-----
Variable 334    VIN TRUCK WEIGHT CODE                   Width: 1        Type: Numeric
-----        -----                    Dec:    None     Miss: 9
```

NHTSA SAS Variable - WGTCDTR

Vina derived - Weight Code (Trucks)

22Sep11	Prcnt	Code	Value and Description
2254	25.3	1	6,000 lbs & under
1210	13.6	2	6,001 - 10,000 lbs
32	0.4	3	10,001 - 14,000 lbs
16	0.2	4	14,001 - 16,000 lbs
9	0.1	5	16,001 - 19,500 lbs
29	0.3	6	19,501 - 26,000 lbs
30	0.3	7	26,001 - 33,000 lbs
133	1.5	8	Over 33,000 lbs
5208	58.4	9	Weight unknown

```
-----
Variable 335    # WHEELS/# DRIVE WHEELS                Width: 2        Type: Numeric
-----        -----                    Dec:    None     Miss: 99
```

NHTSA SAS Variable - WHLDRWHL

Vina derived - Wheels / Driving Wheels (Trucks)

First position contains the total number of wheels. The second position contains the number of driving wheels.

22Sep11	Prcnt	Code	Value and Description
1771	19.9	42	4 wheels / 2 drive wheels
1816	20.4	44	4 wheels / 4 drive wheels
121	1.4	64	6 wheels / 4 drive wheels
1	0.0	66	6 wheels / 6 drive wheels
1	0.0	84	8 wheels / 4 drive wheels
1	0.0	86	8 wheels / 6 drive wheels
5210	58.4	99	Unknown

```
-----
Variable 336  VIN FRONT WHEEL DRIVE          Width: 2      Type: Numeric
-----
Dec:      None  Miss: 99
```

NHTSA SAS Variable - FRTWHLDR

Vina derived - Front Wheel Drive

22Sep11	Prcnt	Code	Value and Description
759	8.5	14	No
3992	44.7	25	Yes
355	4.0	39	Unknown
12	0.1	98	Some vehicles of this series (*)
3803	42.6	99	Not applicable or missing data

```
-----
Variable 337  VIN FOUR WHEEL DRIVE          Width: 2      Type: Numeric
-----
Dec:      None  Miss: 99
```

NHTSA SAS Variable - FOURWHDR

Vina derived - Four Wheel Drive

22Sep11	Prcnt	Code	Value and Description
4585	51.4	14	No
162	1.8	25	Yes
355	4.0	39	Unknown
16	0.2	98	Some vehicles of this series (*)
3803	42.6	99	Not applicable or missing data

```
-----
Variable 338  VIN RESTRAINT TYPE          Width: 2      Type: Numeric
-----
Dec:      None  Miss: 99
```

NHTSA SAS Variable - RESTYPE

Vina derived - Restraint Type

22Sep11	Prcnt	Code	Value and Description
340	3.8	1	A - Active (manual) belts
29	0.3	2	B - Driver front air bag / passenger side belt unknown
39	0.4	3	C - Dual front air bags / belt system unknown
66	0.7	4	D - Driver front air bag / passenger side passive belt
3790	42.5	5	E - Dual front air bags / active belts
12	0.1	6	F - Dual front air bags / passive belts
1	0.0	7	G - Dual air bags front and side/belts unknown
0	0.0	8	H - Dual air bags front, head and sides / belts unknown
4	0.0	9	I - Dual air bags front, head and sides / passive belts
7	0.1	10	J - Dual air bags front and sides / passive belts
799	9.0	11	K - Dual air bags front and sides / active belts
212	2.4	12	L - Dual air bags front, head and sides / active belts
308	3.5	13	M - Driver front air bag / passenger side active belt

Variable 338:VIN RESTRAINT TYPE (Continued)

22Sep11	Prcnt	Code	Value and Description
0	0.0	14	N - If unable to determine
160	1.8	16	P - Passive (automatic) belts
224	2.5	18	R - Dual air bags front and side / active belts w/automatic passenger sensor
486	5.4	19	S - Dual air bags front, head, and side / active belts w/automatic passenger sensor
7	0.1	20	T - Dual air bags front / active belts / rear passenger side air bag
371	4.2	21	U - Dual front air bag / active belts w/passenger side deactivation/cutoff switch
59	0.7	22	V - Dual air bags front, head, and side / active belts / rear dual side air bags
129	1.4	23	W - Dual air bags front, head, and side / active belts w/automatic passenger sensor / rear dual side air bags
36	0.4	24	X - Dual air bags front and side air bag / active belts, driver-side only
100	1.1	33	3 - Dual front and head air bags with passenger sensor, active belts
297	3.3	34	4 - Dual front air bags with passenger sensor, active belts
787	8.8	37	7 - Dual front, side, and head air bags, rear head air bags, active belts
355	4.0	39	Unknown
303	3.4	99	Not applicable or missing data

 Variable 339 DAYTIME RUNNING LIGHTS Width: 2 Type: Numeric
 ----- Dec: None Miss: 99

NHTSA SAS Variable - DAYRUNLT

Vina derived - Daytime Running Lights

22Sep11	Prcnt	Code	Value and Description
3741	41.9	14	N - Not available
1162	13.0	15	O - Optional
2934	32.9	19	S - Standard
392	4.4	21	U - Unknown
355	4.0	39	9 - Unknown
337	3.8	99	Missing data

 Variable 340 VIN ANTILOCK BRAKES Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - ANTILOCK

Vina derived - Antilock Brakes

Variable 340:VIN ANTILOCK BRAKES (Continued)

22Sep11	Prcnt	Code	Value and Description
467	5.2	1	Not available
5142	57.6	2	4 wheel standard
233	2.6	3	Rear only standard
196	2.2	4	ABS standard, wheels unknown
1720	19.3	5	4 wheel optional
17	0.2	6	Rear only optional
407	4.6	7	ABS optional, wheels unknown
47	0.5	8	Unknown (VINRTN)
692	7.8	9	Unknown

```
-----
Variable 341  VIN CARBURETION           Width: 2      Type: Numeric
-----
Dec:      None      Miss: 99
```

NHTSA SAS Variable - CARBUR

Vina derived - Carburetion (Passenger Vehicles)

22Sep11	Prcnt	Code	Value and Description
0	0.0	2	B - Higher HP, 1 barrel carburetor
0	0.0	3	C - 1 barrel turbo
4591	51.5	6	F - Unknown, fuel injection rating code
0	0.0	7	G - 1 barrel, electronically controlled
0	0.0	8	H - Unknown, high performance rating code
0	0.0	10	J - Lower HP, 2 barrel carburetor
0	0.0	11	K - Higher HP, 2 barrel carburetor
0	0.0	12	L - 2 barrels, turbo
0	0.0	16	P - 2 barrels, electronically controlled
0	0.0	17	Q - Unknown, electronically controlled
0	0.0	18	R - 4 barrels, electronically controlled
0	0.0	19	S - Lower HP, 4 barrel carburetor
142	1.6	20	T - 1,2,4 barrels, turbo fuel injected
1	0.0	22	V - 4 barrels, turbo
0	0.0	25	Y - Unknown, turbo
28	0.3	26	Z - Unknown super charged
4	0.0	31	1 barrel
18	0.2	32	2 barrels
2	0.0	33	3 barrels
14	0.2	34	4 barrels
355	4.0	39	Not applicable or missing data
3766	42.2	99	Unknown

```
-----
Variable 342  VIN FUEL CODE           Width: 2      Type: Numeric
-----
Dec:      None      Miss: 99
```

NHTSA SAS Variable - FUELCODE

Vina derived - Fuel Code

22Sep11	Prcnt	Code	Value and Description
64	0.7	2	B - Electric and gasoline hybrid engine
10	0.1	3	C - Gasoline engine that can be easily converted to a gaseous powered engine (powered by natural gas, propane, etc,)
329	3.7	4	D - Diesel
0	0.0	5	E - Electric
324	3.6	6	F - Flexible fuel
7788	87.3	7	G - Gasoline
0	0.0	8	H - Ethanol fuel only
0	0.0	13	M - Methanol fuel only
1	0.0	14	N - Compressed Natural Gas
0	0.0	16	P - Propane
355	4.0	39	9 - Unknown
50	0.6	99	Not applicable or missing data

```
-----
Variable 343  MTRCYCLE ENGINE DISPLACE      Width: 4      Type: Numeric
-----
Dec:      None      Miss: 9999
```

NHTSA SAS Variable - MCYCLDS

Vina derived - Motorcycle cubic centimeters (CC's) Engine Displacement

22Sep11	Prcnt	Code	Value and Description
0	0.0	200	200 cc - Displacement in cubic centimeters
3	0.0	1450	1450 cc
1	0.0	1670	
1	0.0	1832	
8912	99.9	9999	9999 unknown or not a motorcycle

```
-----
Variable 344  TYPE OF VEH INSPECTION          Width: 1      Type: Numeric
-----
Dec:      None      Miss: None
```

NHTSA SAS Variable - INSPTYPE

Type of vehicle inspection

22Sep11	Prcnt	Code	Value and Description
1961	22.0	0	No inspection
298	3.3	1	Vehicle fully repaired - no damage evident

Variable 344:TYPE OF VEH INSPECTION (Continued)

22Sep11	Prcnt	Code	Value and Description
1396	15.6	2	Partial inspection - other
2210	24.8	3	Complete Inspection
511	5.7	4	Partial inspection - non tow
384	4.3	5	Partial inspection - photos only
1819	20.4	6	Partial inspection - MY Greater than 10 yrs
342	3.8	9	Inapplicable - Body Type (V309) = 50-99

 Variable 345 VEHICLE DISPOSITION Width: 1 Type: Numeric

 Dec: None Miss: 9

NHTSA SAS Variable - TOWPAR

Police reported vehicle disposition

22Sep11	Prcnt	Code	Value and Description
1809	20.3	0	Not towed due to vehicle damage
6800	76.2	1	Towed due to vehicle damage
312	3.5	9	Unknown

 Variable 346 VEHICLE CURB WEIGHT Width: 3 Type: Numeric

 Dec: None Miss: 999

NHTSA SAS Variable - CURBWGT

22Sep11	Prcnt	Code	Value and Description
0	0.0	45	Less than 450 kilograms
1	0.0	55	- Weight (to nearest 10 kilograms)
1	0.0	356	
0	0.0	610	6,100 kilograms
606	6.8	999	Unknown or Inapplicable - Body Type (V309) = 50-99

 Variable 347 VEHICLE CARGO WEIGHT Width: 3 Type: Numeric

 Dec: None Miss: 999

NHTSA SAS Variable - CARGOWGT

22Sep11	Prcnt	Code	Value and Description
5674	63.6	0	Less than 5 kilograms
66	0.7	5	- Weight (to nearest 10 kilograms)
1	0.0	362	
0	0.0	450	4,500 kilograms
1	0.0	454	

Variable 347:VEHICLE CARGO WEIGHT (Continued)

22Sep11 Prcnt Code Value and Description

2938 32.9 999 Unknown or Inapplicable - Body Type (V309) = 50-99

 Variable 348 TOWED TRAILING UNIT Width: 1 Type: Numeric
 ----- ----- Dec: None Miss: 9

NHTSA SAS Variable - TOWHITCH

22Sep11 Prcnt Code Value and Description

8233 92.3 0 No towed unit
 50 0.6 1 Yes, towed trailing unit
 638 7.2 9 Unknown or Inapplicable - Body Type (V309) = 50-99

 Variable 349 VEHICLE SPECIAL USE Width: 1 Type: Numeric
 ----- ----- Dec: None Miss: 9

NHTSA SAS Variable - VEHUSE

22Sep11 Prcnt Code Value and Description

8722 97.8 0 No special use
 40 0.4 1 Taxi
 17 0.2 2 Vehicle used as school bus
 21 0.2 3 Vehicle used as other bus
 0 0.0 4 Military
 36 0.4 5 Police
 9 0.1 6 Ambulance
 3 0.0 7 Fire truck
 4 0.0 8 Emergency services vehicle
 69 0.8 9 Unknown

 Variable 350 TRANSPORT STATUS Width: 1 Type: Numeric
 ----- ----- Dec: None Miss: 9

NHTSA SAS Variable - TRANSTAT

22Sep11 Prcnt Code Value and Description

8612 96.5 1 In-transport
 306 3.4 2 Not in-transport
 3 0.0 3 Working motor vehicle

```
-----
Variable 351  FRONT OVERRIDE/UNDERRIDE  Width: 1      Type: Numeric
-----
Dec:      None  Miss: 9
```

NHTSA SAS Variable - FCOVERIDE

```
22Sep11 Prcnt  Code Value and Description

 7087  79.4  0  No override/underride, or not an end-over-end between 2
      CDS applicable vehs, & no M/H trk or bus underride

      Override
 70   0.8  1  First CDC
 6   0.1  2  Second CDC
 1   0.0  3  Other nonautomated CDC

      Underride
246  2.8  4  First CDC
15   0.2  5  Second CDC
 0   0.0  6  Other nonautomated CDC

110   1.2  7  Medium or heavy truck override or underride
1386 15.5  9  Unknown or Inapplicable - Body Type (V309) = 50-99
```

```
-----
Variable 352  REAR OVERRIDE/UNDERRIDE  Width: 1      Type: Numeric
-----
Dec:      None  Miss: 9
```

NHTSA SAS Variable - ROVERRIDE

```
22Sep11 Prcnt  Code Value and Description

 7485  83.9  0  No override/underride, or not end-over-end between two
      CDS applicable vehs, and no M/H trk or bus underride

      Override
144   1.6  1  First CDC
 2   0.0  2  Second CDC
 0   0.0  3  Other nonautomated CDC

      Underride
 55   0.6  4  First CDC
 6   0.1  5  Second CDC
 1   0.0  6  Other nonautomated CDC

 25   0.3  7  Medium or heavy truck override or underride
1203 13.5  9  Unknown or Inapplicable - Body Type (V309) = 50-99
```

```
-----
Variable 353  WEIGHT - OTHER VEHICLE      Width: 3      Type: Numeric
-----      -----
Dec:  None   Miss: 999
```

NHTSA SAS Variable - OTVEHWGT

22Sep11	Prcnt	Code	Value and Description
0	0.0	45	Less than 450 kilograms
1	0.0	55	- Weight (to nearest 10 kilograms)
1	0.0	353	
0	0.0	610	6,100 kilograms
881	9.9	998	Not applicable (most severe impact not with another vehicle or with vehicle hitting itself)
2341	26.2	999	Unknown

```
-----
Variable 354  BODY TYPE - OTHER VEH      Width: 2      Type: Numeric
-----      -----
Dec:  None   Miss: 99
```

NHTSA SAS Variable - OTBDYTYP

22Sep11	Prcnt	Code	Value and Description
Automobiles			
64	0.7	1	Convertible (excludes sun roof, t-bar)
413	4.6	2	2-door sedan, hardtop, coupe
110	1.2	3	3-door/2-door hatchback
2590	29.0	4	4-door sedan, hardtop
149	1.7	5	5-door/4-door hatchback
153	1.7	6	Station Wagon (excluding van and truck based)
0	0.0	7	Hatchback, number of doors unknown
2	0.0	8	Other automobile type
21	0.2	9	Unknown automobile type
Automobile Derivatives			
2	0.0	10	Auto based pickup (includes El Camino, Caballero, Ranchero, Brat and Rabbit pickup)
0	0.0	11	Auto based panel (cargo station wagon, includes auto based ambulance/hearse)
0	0.0	12	Large limousine - more than four side doors or stretched chassis
0	0.0	13	Three-wheel automobile or automobile derivative
Utility Vehicles (< 4,536 kgs GVWR)			
918	10.3	14	Compact utility (includes Jeep CJ-2 thru Jeep CJ-7, Renegade, Wrangler, Navajo, Bronco, Thing)
253	2.8	15	Large utility (includes Jeep Cherokee, Ram Charger, Trailduster, fullsize Blazer, Scout)
38	0.4	16	Utility station wagon (Chevy Suburban, GMC Suburban, Travelall, Grand Wagoneer, includes suburban limousine)
3	0.0	17	3-door coupe
9	0.1	19	Utility unknown body type

Variable 354:BODY TYPE - OTHER VEH (Continued)

22Sep11	Prcnt	Code	Value and Description
			Van Based Light Trucks (< 4,536 kgs GVWR)
310	3.5	20	Minivan (Astro, Caravan, Plymouth Vista, Aerostar, Safari, etc.)
74	0.8	21	Large van (Sportsman, Royal, Ram, Chevy Van, Voyager-Pre83, Econoline, etc.)
4	0.0	22	Step van or walk-in van (< 4,536 kgs GVWR)
0	0.0	23	Van based motorhome (< 4,536 kgs GVWR)
0	0.0	24	Van based school bus (< 4,536 kgs GVWR)
1	0.0	25	Van based other bus (< 4,536 kgs GVWR)
12	0.1	28	Other van type (Hi-Cube Van, Kary)
1	0.0	29	Unknown van type
			Lt Conventional Truck (P.U. style cab, < 4,536 kgs. GVWR)
239	2.7	30	Compact pickup (Ram 50, Dakota, Arrow Pickup, Ranger, Toyota Pickup, etc.)
441	4.9	31	Large pickup (Jeep Pickup, Comanche, Silverado, Sierra, etc.)
0	0.0	32	Pickup with slide-in camper
0	0.0	33	Convertible pickup
4	0.0	39	Unknown (pickup style) light conventional truck
			Other Light Trucks (< or = 4,536 kgs. GVWR)
8	0.1	40	Cab chassis based (includes rescue vehicle, light stake, dump, and tow truck)
0	0.0	41	Truck based panel
0	0.0	42	Light truck based motorhome (chassis mounted)
0	0.0	45	Other light conventional truck type
1	0.0	48	Unknown light truck type
0	0.0	49	Unknown light vehicle type (automobile, van, or light truck)
			Buses (excludes van based)
12	0.1	50	School bus (designed to carry students, not cross country or transit)
10	0.1	58	Other bus type (e.g., transit, intercity, bus based motorhome)
3	0.0	59	Unknown bus type
			Medium/Heavy Trucks (> 4,536 kgs GVWR)
3	0.0	60	Step van (> 4,536 kgs GVWR)
16	0.2	61	Single unit straight truck (4,536 kgs < GVWR < or = 8,845 kgs)
13	0.1	62	Single unit straight truck (8,845 kgs < GVWR < or = 11,793 kgs)
25	0.3	63	Single unit straight truck (>11,793 kgs GVWR)
9	0.1	64	Single unit straight truck, GVWR unknown
1	0.0	65	Medium/heavy truck based motorhome
4	0.0	67	Truck-tractor with no cargo trailer
91	1.0	68	Truck-tractor pulling one trailer
2	0.0	69	Truck-tractor pulling two or more trailers
1	0.0	70	Truck-tractor (unknown if pulling trailer)
5	0.1	74	Medium / heavy pickup (>= 4,536 kgs)

Variable 354:BODY TYPE - OTHER VEH (Continued)

22Sep11	Prcnt	Code	Value and Description
13	0.1	78	Unknown medium/heavy truck type
4	0.0	79	Unknown truck type (light/medium/heavy)
			Motored Cycles (Does not include atv/atc)
11	0.1	80	Motorcycle
1	0.0	81	Moped (motorized bicycle)
0	0.0	82	Three-wheel motorcycle or moped
0	0.0	88	Other motored cycle type (minibike, motorscooter)
2	0.0	89	Unknown motored cycle type
			Other Vehicles
0	0.0	90	ATV (all terrain vehicle including dune/swamp buggy) and ATC (all terrain cycle)
0	0.0	91	Snowmobile
2	0.0	92	Farm equipment
2	0.0	93	Construction equipment other than trucks
2	0.0	97	Other type vehicle
881	9.9	98	Not applicable (most severe impact not with another vehicle or with vehicle hitting itself)
1988	22.3	99	Unknown body type

 Variable 355 ROLLOVER Width: 2 Type: Numeric
 ----- Dec: None Miss: 99

NHTSA SAS Variable - ROLLOVER

22Sep11	Prcnt	Code	Value and Description
7573	84.9	0	No rollover (no overturning)
			Rollover (primarily about the longitudinal axis)
134	1.5	1	Rollover - one quarter turn only
212	2.4	2	Rollover - two quarter turns
34	0.4	3	Rollover - three quarter turns
138	1.5	4	Rollover - four quarter turns
26	0.3	5	Rollover - five quarter turn
50	0.6	6	Rollover - six quarter turns
10	0.1	7	Rollover - seven quarter turns
25	0.3	8	Rollover - eight quarter turns
4	0.0	9	Rollover - nine quarter turns
5	0.1	10	Rollover - ten quarter turns
0	0.0	11	Rollover - eleven quarter turns
3	0.0	12	Rollover - twelve quarter turns
0	0.0	13	Rollover - thirteen quarter turns
0	0.0	14	Rollover - fourteen quarter turns
0	0.0	15	Rollover - fifteen quarter turns
0	0.0	16	Rollover - sixteen quarter turns
0	0.0	17	Rollover - seventeen or more quarter turns

Variable 355:ROLLOVER (Continued)

22Sep11	Prcnt	Code	Value and Description
			Rollover (primarily about the lateral axis)
5	0.1	98	Rollover - end-over-end
702	7.9	99	Rollover (overturn) - details unknown or Inapplicable - Body Type (V309) = 50-99

 Variable 356 ROLLOVER INITIATION TYPE Width: 2 Type: Numeric
 ----- Dec: None Miss: 99

NHTSA SAS Variable - ROLINTYP

For diagram see Appendix A

22Sep11	Prcnt	Code	Value and Description
7573	84.9	0	No rollover (no overturning)
398	4.5	1	Trip-over
55	0.6	2	Flip-over
5	0.1	3	Turn-over (specify)
13	0.1	4	Climb-over
36	0.4	5	Fall-over
51	0.6	6	Bounce-over
78	0.9	7	Collision with another vehicle
5	0.1	8	Other rollover initiation type (specify)
5	0.1	98	Rollover - end-over-end
702	7.9	99	Unknown rollover initiation type or Inapplicable - Body Type (V309) = 50-99

 Variable 357 LOCATION OF ROLLOVER INI Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - ROLINLOC

Location of rollover initiation

22Sep11	Prcnt	Code	Value and Description
7573	84.9	0	No rollover (no overturning)
133	1.5	1	On roadway
28	0.3	2	On shoulder - paved
44	0.5	3	On shoulder - unpaved
436	4.9	4	On roadside or divided trafficway median
5	0.1	8	Rollover -- end-over-end
702	7.9	9	Unknown or Inapplicable - Body Type (V309) = 50-99

```
-----
Variable 358    ROLLOVER INIT OBJ CONTAC      Width: 2      Type: Numeric
-----
Dec:    None      Miss: 99
```

NHTSA SAS Variable - ROLLOBJ

Rollover initiation object contacted

22Sep11 Prcnt Code Value and Description

7573	84.9	0	No rollover
			Collision with another vehicle
34	0.4	1	Vehicle Number 1
33	0.4	2	Vehicle Number 2
5	0.1	3	Vehicle Number 3
			Noncollision
41	0.5	31	Turn-over - fall-over
5	0.1	32	No rollover impact initiation (end-over-end)
0	0.0	34	Jackknife
			Collision with fixed object
6	0.1	41	Tree (<= 10 centimeters in diameter)
20	0.2	42	Tree (> 10 centimeters in diameter)
0	0.0	43	Shrubbery or bush
29	0.3	44	Embankment
0	0.0	45	Breakaway pole or post (any diameter)
10	0.1	46	Metal guardrail (deleted 2010)
0	0.0	47	Cable barrier guardrail
3	0.0	48	Guardrail Face
3	0.0	49	Guardrail End
			Nonbreakaway pole or post
1	0.0	50	Pole or post (<= 10 centimeters in diameter)
8	0.1	51	Pole or post (> 10 centimeters but <= 30 centimeters in diameter)
3	0.0	52	Pole or post (> 30 centimeters in diameter)
2	0.0	53	Pole or post (diameter unknown)
21	0.2	54	Concrete traffic barrier
3	0.0	55	Impact attenuator
0	0.0	56	Other traffic barrier (specify)
0	0.0	57	Fence
4	0.0	58	Wall
0	0.0	59	Building
3	0.0	60	Ditch or culvert
355	4.0	61	Ground
0	0.0	62	Fire hydrant
31	0.3	63	Curb
0	0.0	64	Bridge
18	0.2	68	Other fixed object (specify)
0	0.0	69	Unknown fixed object
			Collision with nonfixed object
6	0.1	70	Passenger car, light truck, van or other vehicle not in-transport

Variable 358:ROLLOVER INIT OBJ CONTAC (Continued)

22Sep11	Prcnt	Code	Value and Description
0	0.0	71	Medium/heavy truck or bus not in-transport
0	0.0	76	Animal
0	0.0	77	Railway vehicle
0	0.0	78	Trailer, disconnected in-transport
0	0.0	79	Object fell from vehicle in-transport
1	0.0	88	Other nonfixed object (specify)
0	0.0	89	Unknown nonfixed object
1	0.0	98	Other event (specify)
702	7.9	99	Unknown event or object or Inapplicable - Body Type (V309) = 50-99

 Variable 359 PRIN TRIP FORCE APPLIED Width: 1 Type: Numeric
 ----- ----- Dec: None Miss: 9

NHTSA SAS Variable - TRIPLOC

Location on vehicle where initial principal tripping force is applied

22Sep11	Prcnt	Code	Value and Description
7573	84.9	0	No rollover
398	4.5	1	Wheels / tires
66	0.7	2	Side plane
66	0.7	3	End plane
69	0.8	4	Undercarriage
1	0.0	5	Other location on vehicle (specify)
41	0.5	6	Noncontact rollover forces (specify)
5	0.1	8	Rollover -- end-over-end
702	7.9	9	Unknown or Inapplicable - Body Type (V309) = 50-99

 Variable 360 DIRECTION OF INITIAL ROL Width: 1 Type: Numeric
 ----- ----- Dec: None Miss: 9

NHTSA SAS Variable - ROLINDIR

Direction of initial roll

22Sep11	Prcnt	Code	Value and Description
7573	84.9	0	No rollover
272	3.0	1	Roll right - primarily about longitudinal axis
369	4.1	2	Roll left - primarily about longitudinal axis
5	0.1	8	Rollover -- end-over-end (i.e., primarily about lateral axis)

Variable 360:DIRECTION OF INITIAL ROL (Continued)

22Sep11 Prcnt Code Value and Description

702 7.9 9 Unknown roll direction or Inapplicable - Body Type (V309)
 = 50-99

 Variable 361 INTERRUPTED ROLLOVER Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - INTEROLL

Was rollover sequence interrupted?

22Sep11 Prcnt Code Value and Description

128 1.4 1 Yes, rollover sequence was interrupted
 515 5.8 2 No, rollover sequence was not interrupted
 7573 84.9 8 No rollover
 705 7.9 9 Unknown

 Variable 362 PRE ROLLOVER MANEUVER Width: 2 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - PROLLMAN

Last controlled maneuver, relative to the roadway, prior to the
 initiation of the rollover

22Sep11 Prcnt Code Value and Description

7573 84.9 1 No rollover
 33 0.4 2 Departing roadway (to paved surface)
 356 4.0 3 Departed roadway (to non-paved surface)
 10 0.1 4 Returning to roadway (from paved surface)
 16 0.2 5 Returning to roadway (from non-paved surface)
 143 1.6 6 On roadway maneuver
 87 1.0 7 Off roadway maneuver
 703 7.9 99 Unknown

 Variable 363 DISTANCE OF ROLLOVER Width: 3 Type: Numeric
 ----- Dec: None Miss: 999

NHTSA SAS Variable - ROLLDIST

Estimated distance from trip point to final rest position

22Sep11 Prcnt Code Value and Description

9 0.1 2

Variable 363:DISTANCE OF ROLLOVER (Continued)

22Sep11	Prcnt	Code	Value and Description
		-	Actual coded value in meters
1	0.0	85	
7573	84.9	888	Not a rollover
5	0.1	998	End-over-end rollover
898	10.1	999	Unknown

 Variable 364 HEADING ANGLE - THIS VEH Width: 3 Type: Numeric
 ----- ----- Dec: None Miss: 999

NHTSA SAS Variable - ANGTHIS

Heading angle for this vehicle

22Sep11	Prcnt	Code	Value and Description
829	9.3	0	
		-	Actual coded value
34	0.4	355	
9	0.1	996	Nonhorizontal impact
389	4.4	997	Noncollision
1385	15.5	998	Impact with object
695	7.8	999	Unknown or Inapplicable - Body Type (V309) = 50-99

 Variable 365 HEADING ANGLE - OTH VEH Width: 3 Type: Numeric
 ----- ----- Dec: None Miss: 999

NHTSA SAS Variable - ANGOTHER

Heading angle for other vehicle

22Sep11	Prcnt	Code	Value and Description
791	8.9	0	
		-	Actual coded value
35	0.4	355	
9	0.1	996	Nonhorizontal impact
389	4.4	997	Noncollision
1385	15.5	998	Impact with object
708	7.9	999	Unknown or Inapplicable - Body Type (V309) = 50-99

 Variable 368 DELTA-V EVENT NUMBER Width: 2 Type: Numeric
 ----- Dec: None Miss: 99

NHTSA SAS Variable - ACCSEQDV

Event number for Highest Delta-v

22Sep11	Prcnt	Code	Value and Description
5653	63.4	1	Event #1
826	9.3	2	Event #2
291	3.3	3	Event #3
103	1.2	4	Event #4
43	0.5	5	Event #5
13	0.1	6	Event #6
10	0.1	7	Event #7
6	0.1	8	Event #8
1	0.0	9	Event #9
2	0.0	10	Event #10
1	0.0	11	Event #11
1972	22.1	99	Unknown, no indication of Delta-v coded, or Inapplicable - Body Type (V309) = 50-99

 Variable 369 TOTAL DELTA-V Width: 3 Type: Numeric
 ----- Dec: None Miss: 999

NHTSA SAS Variable - DVTOTAL

22Sep11	Prcnt	Code	Value and Description
0	0.0	0	Less than 0.5 kmph
1	0.0	2	
4	0.0	3	
			- Nearest kmph
1	0.0	130	
0	0.0	160	159.5 kmph and above
4930	55.3	999	Unknown or Inapplicable - Body Type (V309) = 50-99

 Variable 370 LONG COMPONENT DELTA-V Width: 4 Type: Numeric
 ----- Dec: None Miss: 9999

NHTSA SAS Variable - DVLONG

Values may be negative

22Sep11	Prcnt	Code	Value and Description
0	0.0	-160	-159.5 kmph and below
1	0.0	-119	
			- Nearest kmph
1	0.0	88	
0	0.0	160	159.5 kmph and above

Variable 370:LONG COMPONENT DELTA-V (Continued)

22Sep11	Prcnt	Code	Value and Description
4930	55.3	999	Not calculated
0	0.0	9999	Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 371	LAT COMPONENT DELTA-V	Width: 4	Type: Numeric
-----	-----	Dec: None	Miss: 9999

NHTSA SAS Variable - DVLAT

Values may be negative

22Sep11	Prcnt	Code	Value and Description
0	0.0	-160	-159.5 kmph and below
1	0.0	-92	- Nearest kmph
1	0.0	68	
0	0.0	160	159.5 kmph and above
4930	55.3	999	Not calculated

Variable 372	ENERGY ABSORPTION	Width: 4	Type: Numeric
-----	-----	Dec: None	Miss: 9999

NHTSA SAS Variable - ENERGY

22Sep11	Prcnt	Code	Value and Description
0	0.0	0	Less than 50 joules
1	0.0	7	- Nearest 100 joules
1	0.0	9710	
0	0.0	9997	999,650 joules or more
4930	55.3	9999	Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 373	BARRIER EQUIVALENT SPEED	Width: 3	Type: Numeric
-----	-----	Dec: None	Miss: 999

NHTSA SAS Variable - BAREQSP

22Sep11	Prcnt	Code	Value and Description
0	0.0	0	Less than 0.5 kmph
2	0.0	2	- nearest kmph
1	0.0	130	
0	0.0	160	> or = 159.5 kmph and above

Variable 373: BARRIER EQUIVALENT SPEED (Continued)

22Sep11 Prcnt Code Value and Description

4637 52.0 999 Unknown or Inapplicable - Body Type (V309) = 50-99

 Variable 374 EST HIGHEST DELTA-V Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - DVEST

Estimated Highest Delta-v (Researcher determined)

22Sep11 Prcnt Code Value and Description

4284 48.0 0 Reconstruction delta-v coded

Estimated Delta-v

0 0.0 1 Less than 10 kmph
 17 0.2 2 Delta-v >= 10 kmph < 25 kmph
 7 0.1 3 Delta-v >= 25 kmph < 40 kmph
 5 0.1 4 Delta-v >= 40 kmph < 55 kmph
 2 0.0 5 Delta-v >= 55 kmph

Other estimates of damage severities

483 5.4 6 Minor
 1285 14.4 7 Moderate
 305 3.4 8 Severe

2533 28.4 9 Unknown or Inapplicable - Body Type (V309) = 50-99

 Variable 375 SPEED LIMIT (KMPH) Width: 3 Type: Numeric
 ----- Dec: None Miss: 999

NHTSA SAS Variable - SPLIMIT

22Sep11 Prcnt Code Value and Description

35 0.4 0 No statutory limit
 4 0.0 8 8 kmph (5 mph)
 - Posted or statutory limit (kmph)
 50 0.6 121 121 kmph (75mph)
 405 4.5 999 Unknown

```
-----
Variable 376 TRAVEL SPEED (KMPH)          Width: 3      Type: Numeric
-----
Dec:      None      Miss: 999
```

NHTSA SAS Variable - TRAVELSP

Police reported travel speed (mph x 1.6093 = kmph)

22Sep11	Prcnt	Code	Value and Description
709	7.9	0	Stopped vehicle or traveling less than 0.5 kmph
2	0.0	2	
		-	Police reported travel speed (kmph)
1	0.0	150	
5	0.1	160	159.5 kmph or greater
3298	37.0	777	Not Reported
2699	30.3	999	Unknown

```
-----
Variable 377 IMPACT SPEED                  Width: 3      Type: Numeric
-----
Dec:      None      Miss: 999
```

NHTSA SAS Variable - IMPACTSP

22Sep11	Prcnt	Code	Value and Description
5	0.1	0	< 0.5 kmph
1	0.0	20	
1	0.0	28	
1	0.0	30	
1	0.0	36	
1	0.0	71	
1	0.0	72	
1	0.0	84	
1	0.0	106	
3978	44.6	998	Trajectory algorithm
4930	55.3	999	Unknown or Inapplicable - Body Type (V309) = 50-99

```
-----
Variable 378 CRASH TYPE                    Width: 2      Type: Numeric
-----
Dec:      None      Miss: 99
```

NHTSA SAS Variable - ACCTYPE

22Sep11	Prcnt	Code	Value and Description
2	0.0	0	No impact
438	4.9	1	
		-	Diagram number (see Appendix B)
7	0.1	93	
843	9.4	98	Other crash type
312	3.5	99	Unknown crash type

```
-----
Variable 379  TRAJECTORY DATA DOC          Width: 1      Type: Numeric
-----
Dec:      None  Miss: None
```

NHTSA SAS Variable - DOCTRAJ

Documentation of trajectory data for this vehicle?

```
22Sep11 Prcnt  Code Value and Description
6762  75.8   0  No
1527  17.1   1  Yes
632   7.1   9  Inapplicable - Body Type (V309) = 50-99
```

```
-----
Variable 380  POST COLL TREE/POLE COND          Width: 1      Type: Numeric
-----
Dec:      None  Miss: 9
```

NHTSA SAS Variable - CONDTREE

Post collision condition of tree or pole

```
22Sep11 Prcnt  Code Value and Description
7609  85.3   0  Not collision (for highest delta-v) with tree or pole
445   5.0   1  Not damaged
87    1.0   2  Cracked/sheared
23    0.3   3  Tilted < 45 degrees
9     0.1   4  Tilted >= 45 degrees
22    0.2   5  Uprooted tree
14    0.2   6  Separated pole from base
58    0.7   7  Pole replaced
4     0.0   8  Other (specify)
650   7.3   9  Unknown or Inapplicable Body Type (V309) = 50-99
```

```
-----
Variable 381  DISTRACTION TO DRIVING          Width: 2      Type: Numeric
-----
Dec:      None  Miss: 99
```

NHTSA SAS Variable - DRIVDIST

Driver's distraction/inattention to driving (prior to recognition of critical event)

```
22Sep11 Prcnt  Code Value and Description
17    0.2   0  No driver present
2518  28.2   1  Attentive or not distracted
348   3.9   2  Looked but did not see

Distractions
70    0.8   3  By other occupant(s)
10    0.1   4  By moving object in vehicle
40    0.4   5  While talking or listening to cellular phone (specify
location and type of phone)
```



```
-----
Variable 383  CRITICAL PRECRASH EVENT      Width: 2      Type: Numeric
-----      -----
Dec:  None    Miss: 99
```

NHTSA SAS Variable - PREEVENT

Initial critical precrash event (Precrash 2)

22Sep11 Prcnt Code Value and Description

```

This Vehicle Loss of Control Due To:
25  0.3  1  Blow out/flat tire
  1  0.0  2  Stalled engine
13  0.1  3  Disabling vehicle failure (e.g. wheel fell off)
  4  0.0  4  Non-disabling vehicle problem (e.g. hood flew up)
129 1.4  5  Poor road conditions (puddle, pothole, ice, etc.)
367 4.1  6  Traveling too fast for conditions
  2  0.0  7  Jackknife
 38  0.4  8  Other cause of control loss
 78  0.9  9  Unknown cause of control loss

This Vehicle Traveling:
333  3.7 10  Over the lane line on left side of travel lane
134  1.5 11  Over the lane line on right side of travel lane
335  3.8 12  Off the edge of the road on the left side
556  6.2 13  Off the edge of the road on the right side
 26  0.3 14  End departure
825  9.2 15  Turning left at intersection
 90  1.0 16  Turning right at intersection
903 10.1 17  Crossing over (passing through) intersection
 11  0.1 18  This vehicle decelerating
 11  0.1 19  Unknown travel direction

Other Motor Vehicle in Lane:
604  6.8 50  Other vehicle stopped
121  1.4 51  Traveling in same direction with lower or steady speed
296  3.3 52  Traveling in same direction while decelerating
1094 12.3 53  Traveling in same direction with higher speed
 85  1.0 54  Traveling in opposite direction
  4  0.0 55  In crossover
  5  0.1 56  Backing
  9  0.1 59  Unknown travel direction of other motor vehicle in lane

Other Motor Vehicle Encroaching Into Lane:
192  2.2 60  From adjacent lane (same direction) - over left lane line
182  2.0 61  From adjacent lane (same direction) - over right lane
    line
892 10.0 62  From opposite direction over left lane line
 33  0.4 63  From opposite direction over right lane line
 16  0.2 64  From parking lane/shoulder
 55  0.6 65  From crossing street, turning into same direction
561  6.3 66  From crossing street, across path
239  2.7 67  From crossing street, turning into opposite direction
 20  0.2 68  From crossing street, intended path not known
 15  0.2 70  From driveway, turning into same direction
 15  0.2 71  From driveway, across path
```

Variable 383:CRITICAL PRECRASH EVENT (Continued)

22Sep11 Prcnt	Code	Value and Description
78 0.9	72	From driveway, turning into opposite direction
3 0.0	73	From driveway, intended path not known
5 0.1	74	From entrance to limited access highway
6 0.1	78	Encroachment by other vehicle - details unknown
		Pedestrian or Pedalcyclist, or Other Nonmotorist
5 0.1	80	Pedestrian in roadway
0 0.0	81	Pedestrian approaching roadway
0 0.0	82	Pedestrian unknown location
2 0.0	83	Pedalcyclist or other nonmotorist in roadway
0 0.0	84	Pedalcyclist or other nonmotorist approaching roadway
0 0.0	85	Pedalcyclist or other nonmotorist - unknown location
		Object or Animal
87 1.0	87	Animal in roadway
9 0.1	88	Animal approaching roadway
0 0.0	89	Animal - unknown location
28 0.3	90	Object in roadway
5 0.1	91	Object approaching roadway
0 0.0	92	Object - unknown location
62 0.7	98	Other critical pre-crash event
312 3.5	99	Unknown

 Variable 384 PRE-IMPACT STABILITY Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - PREISTAB

22Sep11 Prcnt	Code	Value and Description
17 0.2	0	No driver present
5884 66.0	1	Tracking
499 5.6	2	Skidding longitudinally rotation less than 30 degrees
260 2.9	3	Skidding laterally clockwise rotation
259 2.9	4	Skidding laterally counterclockwise rotation
16 0.2	7	Other vehicle loss-of-control
1986 22.3	9	Pre-crash stability unknown

 Variable 385 PRE-IMPACT LOCATION Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - PREILOC

22Sep11 Prcnt	Code	Value and Description
17 0.2	0	No driver present
6152 69.0	1	Stayed in original travel lane

Variable 387:RELATION TO INTERCHANGE (Continued)

22Sep11	Prcnt	Code	Value and Description
6	0.1	4	Other junction/noninterchange
0	0.0	5	Unknown type of junction/non-interchange
310	3.5	9	Unknown

Variable 388 TRAFFICWAY FLOW Width: 1 Type: Numeric
----- Dec: None Miss: 9

NHTSA SAS Variable - TRAFFLOW

22Sep11	Prcnt	Code	Value and Description
5243	58.8	0	Not divided
1696	19.0	1	Divided trafficway-median strip without positive barrier
1101	12.3	2	Divided trafficway-median strip with positive barrier
568	6.4	3	One way traffic
0	0.0	4	Not physically divided (two way traffic)
0	0.0	5	Not physically divided with two way left turn lane
313	3.5	9	Unknown

Variable 389 NUMBER OF TRAVEL LANES Width: 1 Type: Numeric
----- Dec: None Miss: 9

NHTSA SAS Variable - LANES

22Sep11	Prcnt	Code	Value and Description
261	2.9	1	One
3624	40.6	2	Two
1537	17.2	3	Three
1464	16.4	4	Four
1314	14.7	5	Five
229	2.6	6	Six
179	2.0	7	Seven or more
313	3.5	9	Unknown

Variable 390 ROADWAY ALIGNMENT Width: 1 Type: Numeric
----- Dec: None Miss: 9

NHTSA SAS Variable - ALIGNMNT

22Sep11	Prcnt	Code	Value and Description
6915	77.5	1	Straight
793	8.9	2	Curve right
904	10.1	3	Curve left
309	3.5	9	Unknown


```
-----
Variable 394  LIGHT CONDITIONS          Width: 1      Type: Numeric
-----          -----
Dec:  None      Miss: 9
```

NHTSA SAS Variable - LGTCOND

22Sep11	Prcnt	Code	Value and Description
5665	63.5	1	Daylight
694	7.8	2	Dark
1897	21.3	3	Dark, but lighted
132	1.5	4	Dawn
199	2.2	5	Dusk
334	3.7	9	Unknown

```
-----
Variable 395  ATMOSPHERIC CONDITIONS      Width: 2      Type: Numeric
-----          -----
Dec:  None      Miss: 99
```

NHTSA SAS Variable - CLIMATE

22Sep11	Prcnt	Code	Value and Description
32	0.4	11	Fog, smog, smoke
783	8.8	12	Rain
19	0.2	13	Sleet/hail (freezing rain or drizzle)
186	2.1	14	Snow
67	0.8	15	Blowing snow
13	0.1	16	Severe crosswinds
0	0.0	17	Blowing sand, soil, dirt
6449	72.3	18	Clear
1030	11.5	19	Cloudy
8	0.1	98	Other
334	3.7	99	Unknown

```
-----
Variable 396  TRAFFIC CONTROL DEVICE        Width: 1      Type: Numeric
-----          -----
Dec:  None      Miss: 9
```

NHTSA SAS Variable - TRAFCONT

22Sep11	Prcnt	Code	Value and Description
5004	56.1	0	No traffic control(s)
2733	30.6	1	Traffic control signal (not RR crossing)
			Regulatory
588	6.6	2	Stop sign
35	0.4	3	Yield sign
5	0.1	4	School zone sign
104	1.2	5	Other regulatory sign
117	1.3	6	Warning sign (not RR crossing)
0	0.0	7	Unknown sign
24	0.3	8	Miscellaneous/other controls including RR controls
311	3.5	9	Unknown

```
-----
Variable 397  CONTROL DEVICE FUNCTION      Width: 1      Type: Numeric
-----
Dec:      None      Miss: 9
```

NHTSA SAS Variable - TRCTLFCT

Traffic control device functioning

22Sep11	Prcnt	Code	Value and Description
5004	56.1	0	No traffic control(s)
23	0.3	1	Traffic control device not functioning
3574	40.1	2	Traffic control device functioning properly
320	3.6	9	Unknown

```
-----
Variable 398  DRIVER PRESENCE                      Width: 1      Type: Numeric
-----
Dec:      None      Miss: 9
```

NHTSA SAS Variable - DRPRES

Driver presence in vehicle

22Sep11	Prcnt	Code	Value and Description
14	0.2	0	Driver not present
8275	92.8	1	Driver present
632	7.1	9	Unknown or Inapplicable - Body Type (V309) = 50-99

```
-----
Variable 399  ALCOHOL PRESENCE                      Width: 1      Type: Numeric
-----
Dec:      None      Miss: 9
```

NHTSA SAS Variable - DRINKING

Police reported alcohol presence

The phrase "alcohol present" means that the driver had consumed an alcoholic beverage. Presence is not an indication that alcohol was in any way a cause of the crash.

22Sep11	Prcnt	Code	Value and Description
7254	81.3	0	No alcohol present
594	6.7	1	Yes, alcohol present
419	4.7	7	Not reported
17	0.2	8	No driver present
637	7.1	9	Unknown

```
-----
Variable 400  ALCOHOL TEST RESULT          Width: 2      Type: Numeric
-----          -----                      Dec:   2      Miss: 0.99
```

NHTSA SAS Variable - ALCTEST

Alcohol test result for driver

22Sep11	Prcnt	Code	Value	Description
312	3.5	0.00	-	Actual value
1	0.0	0.46		
31	0.3	0.95		Test refused
7131	79.9	0.96		None given
303	3.4	0.97		BAC test performed, results unknown
17	0.2	0.98		No driver present
768	8.6	0.99		Unknown

```
-----
Variable 401  OTHER DRUG PRESENCE          Width: 1      Type: Numeric
-----          -----                      Dec:  None    Miss: 9
```

NHTSA SAS Variable - DRUGS

Police reported other drug presence for driver

22Sep11	Prcnt	Code	Value	Description
6903	77.4	0		No other drug(s) present
139	1.6	1		Yes other drug(s) present
1267	14.2	7		Not reported
17	0.2	8		No driver present
595	6.7	9		Unknown

```
-----
Variable 402  OTH DRUG - SPECIMEN TEST          Width: 1      Type: Numeric
-----          -----                      Dec:  None    Miss: 9
```

NHTSA SAS Variable - SPECOTH

Other drug specimen test results for driver

22Sep11	Prcnt	Code	Value	Description
7668	86.0	0		No specimen test given
200	2.2	1		Drug(s) not found in specimen
163	1.8	2		Drug(s) found in specimen
197	2.2	3		Specimen test given, results unknown or not obtained
17	0.2	8		No driver present
676	7.6	9		Unknown if specimen test given

```
-----
Variable 403  DRIVER'S ZIP CODE           Width: 5      Type: Numeric
-----
Dec:      None      Miss: 99999
```

NHTSA SAS Variable - DRZIP

22Sep11	Prcnt	Code	Value and Description
21	0.2	1	Driver not a resident of U.S. or territories - Actual 5-digit zip code
17	0.2	99998	Driver not present
517	5.8	99999	Unknown

```
-----
Variable 404  DRIVER'S RACE           Width: 1      Type: Numeric
-----
Dec:      None      Miss: 9
```

NHTSA SAS Variable - RACE

Prior version had RACE/ETHNICITY combined, now 2 variables
 Driver's Race

22Sep11	Prcnt	Code	Value and Description
3321	37.2	1	White
823	9.2	2	Black or African American
133	1.5	3	Asian
11	0.1	4	Native Hawaiian or Other Pacific Islands
13	0.1	5	American Indian or Alaska Native
58	0.7	7	Other
17	0.2	8	Driver not present
4545	50.9	9	Unknown

```
-----
Variable 405  DRIVER'S ETHNICITY       Width: 1      Type: Numeric
-----
Dec:      None      Miss: 9
```

NHTSA SAS Variable - ETHNICIT

Prior version had RACE/ETHNICITY combined, now 2 variables
 Driver's Ethnic Origin

22Sep11	Prcnt	Code	Value and Description
518	5.8	1	Hispanic or Latino
3361	37.7	2	Not Hispanic or Latino
17	0.2	8	Driver not present
5025	56.3	9	Unknown

```
-----
Variable 406  MAXIMUM TREATMENT          Width: 1      Type: Numeric
-----
Dec:      None      Miss: 9
```

NHTSA SAS Variable - VTREAT

Maximum treatment in this vehicle

22Sep11	Prcnt	Code	Value and Description
1625	18.2	0	No treatment
146	1.6	1	Fatal
6	0.1	2	Fatal - ruled disease
571	6.4	3	Hospitalization
1379	15.5	4	Transported and released
58	0.7	5	Treatment at scene, not transported
173	1.9	6	Treatment later
0	0.0	7	Treatment - other
45	0.5	8	Transported to a medical facility - unknown if treatment
4918	55.1	9	Unknown or Inapplicable - Body Type (V309) = 50-99

```
-----
Variable 407  MAXIMUM KNOWN AIS          Width: 1      Type: Numeric
-----
Dec:      None      Miss: 9
```

NHTSA SAS Variable - VAIS (AIS 98 FORMAT)

Maxumim injury severity (AIS) in this vehicle

22Sep11	Prcnt	Code	Value and Description
1438	16.1	0	Not injured
1603	18.0	1	Minor injury
397	4.5	2	Moderate injury
232	2.6	3	Serious injury
107	1.2	4	Severe injury
76	0.9	5	Critical injury
30	0.3	6	Maximum (untreatable) injury
127	1.4	7	Injured, unknown severity
4911	55.0	9	Unknown if injured or Inapplicable - Body Type (V309) = 50-99

```
-----
Variable 408  NUM SERIOUSLY INJURED          Width: 2      Type: Numeric
-----
Dec:      None      Miss: 99
```

NHTSA SAS Variable - VINJSER (AIS 98 FORMAT)

Number of persons with TREATMENT-MORTALITY=1 or AIS=3-6

22Sep11	Prcnt	Code	Value and Description
3644	40.8	0	None
395	4.4	1	- Number of persons

Variable 408:NUM SERIOUSLY INJURED (Continued)

22Sep11 Prcnt Code Value and Description

1 0.0 6
 4816 54.0 99 Unknown or Inapplicable - Body Type (V309) = 50-99

 Variable 409 NUMBER INJURED Width: 2 Type: Numeric
 ----- Dec: None Miss: 99

NHTSA SAS Variable - VINJURED (AIS 98 FORMAT)

Number of persons with TREATMENT-MORTALITY=1 or AIS=1-7

22Sep11 Prcnt Code Value and Description

1533 17.2 0 None
 1963 22.0 1
 - Number of persons
 1 0.0 9
 4816 54.0 99 Unknown or Inapplicable - Body Type (V309) = 50-99

 Variable 410 NUMBER OF OCCUPANTS Width: 2 Type: Numeric
 ----- Dec: None Miss: 99

NHTSA SAS Variable - OCUPANTS

22Sep11 Prcnt Code Value and Description

11 0.1 0
 - Actual number of occupants for vehicle
 1 0.0 15
 632 7.1 99 Unknown or Inapplicable - Body Type (V309) = 50-99

 Variable 411 NUMBER OCCUPANT FORMS Width: 2 Type: Numeric
 ----- Dec: None Miss: None

NHTSA SAS Variable - OCCFORMS

Number of occupant forms submitted

22Sep11 Prcnt Code Value and Description

1865 20.9 0
 - Number of occupant forms
 1 0.0 15
 342 3.8 99 Inapplicable - Body Type (V309) = 50-99

```
-----
Variable 412  MAXIMUM KNOWN AIS-08          Width: 2      Type: Numeric
-----          -----
Dec:      None      Miss: 99
```

NHTSA SAS Variable - VAIS08 (AIS 08 FORMAT)

Maxumim injury severity (AIS) in this vehicle

22Sep11	Prcnt	Code	Value and Description
1433	16.1	0	Not injured
1705	19.1	1	Minor injury
339	3.8	2	Moderate injury
222	2.5	3	Serious injury
79	0.9	4	Severe injury
75	0.8	5	Critical injury
30	0.3	6	Maximum (untreatable) injury
0	0.0	7	Injured, unknown severity
127	1.4	9	
4911	55.0	99	Unknown if injured or Inapplicable - Body Type (V309) = 50-99

```
-----
Variable 413  NUM SERIOUSLY INJURED-08          Width: 2      Type: Numeric
-----          -----
Dec:      None      Miss: 99
```

NHTSA SAS Variable - VINJUSER8 (AIS 08 FORMAT)

Number of persons with TREATMENT-MORTALITY=1 or AIS=3-6

22Sep11	Prcnt	Code	Value and Description
3684	41.3	0	None
363	4.1	1	
		-	Number of persons
2	0.0	4	
4816	54.0	99	Unknown or Inapplicable - Body Type (V309) = 50-99

```
-----
Variable 414  NUMBER INJURED-08 FORMAT          Width: 2      Type: Numeric
-----          -----
Dec:      None      Miss: 99
```

NHTSA SAS Variable - VINJURED (AIS 08 FORMAT)

Number of persons with TREATMENT-MORTALITY=1 or AIS=1-7

22Sep11	Prcnt	Code	Value and Description
1528	17.1	0	None
1968	22.1	1	
		-	Number of persons
1	0.0	9	
4816	54.0	99	Unknown or Inapplicable - Body Type (V309) = 50-99

```

+-----+
|                                     |
|               The EXTERIOR DAMAGE Variables               |
|                                     |
|   Variables 501 through 569 describe the exterior damage to the |
|   vehicle.   |
|                                     |
+-----+
    
```

```

-----
Variable 501  PSU NUMBER                               Width: 2      Type: Numeric
-----
Dec:         None      Miss: None
    
```

NHTSA SAS Variable - PSU

```

22Sep11 Prcnt  Code Value and Description
    261    2.9    2
              -  PSU Number
    344    3.9    82
    
```

```

-----
Variable 502  CASE NUMBER                               Width: 4      Type: Alphabetic
-----
Dec:         None      Miss: None
    
```

NHTSA SAS Variable - CASEID

```

-----
Variable 503  RECORD NUMBER                             Width: 2      Type: Numeric
-----
Dec:         None      Miss: None
    
```

NHTSA SAS Variables Casekey 4 and Casekey 5

```

22Sep11 Prcnt  Code Value and Description
    2303  25.8    0  Filler - No damage record for this vehicle.
    6618  74.2    6  Exterior Damage record
    
```

```

-----
Variable 504  VERSION NUMBER                           Width: 2      Type: Numeric
-----
Dec:         None      Miss: None
    
```

NHTSA SAS Variable - VERSION

```

22Sep11 Prcnt  Code Value and Description
    8921 100.0    23  Version 23
    
```

```
-----
Variable 505  VEHICLE NUMBER          Width: 2      Type: Numeric
-----          -----          Dec:  None   Miss: None
```

NHTSA SAS Variable - VEHNO

```
22Sep11 Prcnt  Code Value and Description

 4856  54.4   1  Vehicle #1
 3288  36.9   2  Vehicle #2
   619   6.9   3  Vehicle #3
   132   1.5   4  Vehicle #4
    20   0.2   5  Vehicle #5
     4   0.0   6  Vehicle #6
     2   0.0   7  Vehicle #7
```

```
-----
Variable 506  CRASH SEQUENCE (1)        Width: 2      Type: Numeric
-----          -----          Dec:  None   Miss: None
```

NHTSA SAS Variable - ACCSEQ1

CDC 1 - CRASH EVENT SEQUENCE NUMBER

```
22Sep11 Prcnt  Code Value and Description

   0   0.0   0  No event
 5320  59.6   1
                - Sequence number
   1   0.0  11
 2307  25.9  99  No Record
```

```
-----
Variable 507  OBJECT CONTACTED (1)      Width: 2      Type: Numeric
-----          -----          Dec:  None   Miss: 99
```

NHTSA SAS Variable - OBJCONT1

```
22Sep11 Prcnt  Code Value and Description

                Collision with Motor Vehicle in-Transport
   0   0.0   0  No event or CDC applicable
 2435  27.3   1
                - Vehicle number
   0   0.0   7

                Noncollision
 339   3.8  31  Overturn - rollover (excludes end-over-end)
   3   0.0  32  Rollover - end-over-end
   0   0.0  34  Jackknife
   0   0.0  38  Other noncollision
   0   0.0  39  Noncollision - details unknown

                Collision with fixed object
  12   0.1  41  Tree (< or = 10 cm in diameter)
```

Variable 507:OBJECT CONTACTED (1) (Continued)

22Sep11	Prcnt	Code	Value and Description
286	3.2	42	Tree (> 10 cm in diameter)
3	0.0	43	Shrubbery or bush
52	0.6	44	Embankment
13	0.1	45	Breakaway pole or post (any diameter)
0	0.0	46	Metal guardrail (deleted 2010)
5	0.1	47	Cable barrier guardrail
66	0.7	48	Guardrail face
13	0.1	49	Guardrail end
			Nonbreakaway pole or post
9	0.1	50	Pole or post (< or = 10 cm in diameter)
155	1.7	51	Pole or post (> 10 or < or = 30 cm in diameter)
85	1.0	52	Pole or post (> 30 cm in diameter)
16	0.2	53	Pole, post - diameter unknown
122	1.4	54	Concrete traffic barrier
8	0.1	55	Impact attenuator
2	0.0	56	Other traffic barrier (includes guardrail)
12	0.1	57	Fence
39	0.4	58	Wall
23	0.3	59	Building
30	0.3	60	Ditch or culvert
5	0.1	61	Ground
8	0.1	62	Fire hydrant
22	0.2	63	Curb
22	0.2	64	Bridge
44	0.5	68	Other fixed object
0	0.0	69	Unknown fixed object
			Collision with nonfixed object
0	0.0	70	Passenger car, light truck, van or other vehicle not in-transport
0	0.0	71	Medium/heavy truck or bus not in-transport
1	0.0	72	Pedestrian
1	0.0	73	Cyclist or cycle
0	0.0	74	Other nonmotorist or conveyance
0	0.0	75	Vehicle occupant
38	0.4	76	Animal
4	0.0	77	Railway vehicle
2	0.0	78	Trailer, disconnected in-transport
11	0.1	79	Object fell from vehicle in-transport
26	0.3	88	Other nonfixed object
0	0.0	89	Unknown nonfixed object
0	0.0	98	Other event
2307	25.9	99	Unknown event or object

```
-----
Variable 508  DIRECTION OF FORCE (1)      Width: 2      Type: Numeric
-----      -----
Dec:      None      Miss: 99
```

NHTSA SAS Variable - DOF1

22Sep11 Prcnt Code Value and Description

404	4.5	0	Nonhorizontal force
525	5.9	1	1 o'clock
301	3.4	2	2 o'clock
141	1.6	3	3 o'clock
31	0.3	4	4 o'clock
34	0.4	5	5 o'clock
707	7.9	6	6 o'clock
52	0.6	7	7 o'clock
46	0.5	8	8 o'clock
186	2.1	9	9 o'clock
277	3.1	10	10 o'clock
577	6.5	11	11 o'clock
2483	27.8	12	12 o'clock
			End shift vertical - up; top shift forward
2	0.0	20	Nonhorizontal force
1	0.0	21	1 o'clock
4	0.0	26	6 o'clock
10	0.1	32	12 o'clock
			End shift vertical - down; top shift rearward
1	0.0	40	Nonhorizontal force
3	0.0	46	6 o'clock
4	0.0	52	12 o'clock
			End or top shift lateral - right
4	0.0	60	Nonhorizontal force
1	0.0	61	1 o'clock
4	0.0	62	2 o'clock
7	0.1	63	3 o'clock
1	0.0	64	4 o'clock
2	0.0	68	8 o'clock
6	0.1	69	9 o'clock
40	0.4	70	10 o'clock
51	0.6	71	11 o'clock
1	0.0	72	12 o'clock
			End or top shift lateral - left
1	0.0	80	Nonhorizontal force
52	0.6	81	1 o'clock
27	0.3	82	2 o'clock
7	0.1	83	3 o'clock
1	0.0	85	5 o'clock
1	0.0	87	7 o'clock
1	0.0	88	8 o'clock
1	0.0	89	9 o'clock
8	0.1	90	10 o'clock
2	0.0	91	11 o'clock
1	0.0	92	12 o'clock

Variable 508:DIRECTION OF FORCE (1) (Continued)

22Sep11 Prcnt Code Value and Description

2913 32.7 99 Unknown/No record

 Variable 509 DEFORMATION LOCATION (1) Width: 1 Type: Alphanumeric
 ----- Dec: None Miss: None

NHTSA SAS Variable - GAD1

 Variable 510 LONG/LAT LOCATION (1) Width: 1 Type: Alphanumeric
 ----- Dec: None Miss: None

NHTSA SAS Variable - SHL1

 Variable 511 VERT/LAT LOCATION (1) Width: 1 Type: Alphanumeric
 ----- Dec: None Miss: None

NHTSA SAS Variable - SVL1

 Variable 512 TYPE OF DISTRIB (1) Width: 1 Type: Alphanumeric
 ----- Dec: None Miss: None

NHTSA SAS Variable - TDD1

 Variable 513 DEFORMATION EXTENT (1) Width: 2 Type: Numeric
 ----- Dec: None Miss: 99

NHTSA SAS Variable - EXTENT1

CDC 1 - DEFORMATION EXTENT

22Sep11 Prcnt Code Value and Description

0 0.0 0 No event
 1695 19.0 1 Extent zone 1
 1717 19.2 2 Extent zone 2

Variable 513:DEFORMATION EXTENT (1) (Continued)

22Sep11 Prcnt Code Value and Description

966	10.8	3	Extent zone 3
338	3.8	4	Extent zone 4
179	2.0	5	Extent zone 5
192	2.2	6	Extent zone 6
49	0.5	7	Extent zone 7
41	0.5	8	Extent zone 8
78	0.9	9	Extent zone 9
3666	41.1	99	Unknown/No record

 Variable 514 DEFORM LOC (1) - NUMERIC Width: 2 Type: Numeric
 ----- Dec: None Miss: 39

NHTSA SAS Variable - GAD1 (numeric recode)

Deformation location (1) - numeric

22Sep11 Prcnt Code Value and Description

755	8.5	2	B - Back (rear)
3562	39.9	6	F - Front
865	9.7	12	L - Left side
748	8.4	18	R - Right side
319	3.6	20	T - Top
12	0.1	21	U - Undercarriage
353	4.0	39	Unknown
2307	25.9	99	Not applicable or No CDC

 Variable 515 LONG/LAT LOC (1)-NUMERIC Width: 2 Type: Numeric
 ----- Dec: None Miss: 39

NHTSA SAS Variable - SHL1 (numeric recode)

Specific longitudinal or lateral location (1) - numeric

22Sep11 Prcnt Code Value and Description

97	1.1	2	B
78	0.9	3	C
2286	25.6	4	D
319	3.6	6	F
479	5.4	12	L
269	3.0	16	P
435	4.9	18	R
1117	12.5	25	Y
763	8.6	26	Z
771	8.6	39	Unknown
2307	25.9	99	Not applicable or No CDC

Variable 515:LONG/LAT LOC (1)-NUMERIC (Continued)

22Sep11 Prcnt Code Value and Description

Horizontal Impacts

- 2 B - Side rear -- left or right
- 3 C - Center -- front or rear
- 4 D - Distributed -- side or end
- 6 F - Side front -- left or right
- 12 L - Left -- front or rear
- 16 P - Side center section -- L or R
- 18 R - Right -- front or rear
- 25 Y - Side (F + P) or end (L + C)
- 26 Z - Side (P + B) or end (C + R)
- 39 Unknown

Top or Undercarriage / Side Impact

- 2 B - Rear section
- 4 D - Distributed (F+P+B)
- 6 F - Front section
- 16 P - Center section
- 25 Y - F+P
- 26 Z - P+B
- 39 Unknown

 Variable 516 VERT/LAT LOC (1)-NUMERIC Width: 2 Type: Numeric
 ----- Dec: None Miss: 39

NHTSA SAS Variable - SVL1 (numeric recode)

Specific vertical or lateral location (1) - numeric

22Sep11 Prcnt Code Value and Description

- 411 4.6 1 A
- 0 0.0 3 C
- 313 3.5 4 D
- 4891 54.8 5 E
- 11 0.1 7 G
- 13 0.1 8 H
- 194 2.2 12 L
- 19 0.2 13 M
- 2 0.0 18 R
- 17 0.2 23 W
- 5 0.1 25 Y
- 3 0.0 26 Z
- 735 8.2 39 Unknown
- 2307 25.9 99 Not applicable or No CDC

CDC (Vertical - Front, Rear, or Side Impacts)

- 1 A - All
- 5 E - Everything below belt line
- 7 G - Belt line and above
- 8 H - Top of frame to top

Variable 516:VERT/LAT LOC (1)-NUMERIC (Continued)

22Sep11 Prcnt	Code Value and Description	
	12	L - Frame -- top of frame, frame, bottom of frame (including undercarriage)
	13	M - Middle -- top of frame to belt line or hood
	23	W - Below undercarriage level (wheels and tires only)
	39	Unknown
	CDC (Lateral - Top and Undercarriage Impacts)	
	5	C - Center
	4	D - Distributed
	12	L - Left
	18	R - Right
	25	Y - Left and Center (L + C)
	26	Z - Right and Center (R + C)
	39	Unknown

Variable 517	TYPE OF DISTRIB (1)-NUM	Width: 2	Type: Numeric
		Dec: None	Miss: 39

NHTSA SAS Variable - TDD1 (numeric recode)

Type of damage distribution (1) - numeric

22Sep11 Prcnt	Code Value and Description	
10	0.1	1 A - Overhanging structure
636	7.1	5 E - Corner
2	0.0	11 K - Conversion impact type
204	2.3	14 N - Narrow impact area
340	3.8	15 O - Rollover (includes side)
171	1.9	19 S - Sideswipe
8	0.1	21 U - No residual deformation
4441	49.8	23 W - Wide impact area
802	9.0	39 Unknown
2307	25.9	99 Not applicable or No CDC

Variable 518	CRASH SEQUENCE (2)	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - ACCSEQ2

CDC 2 - CRASH EVENT SEQUENCE NUMBER

22Sep11 Prcnt	Code Value and Description	
0	0.0	0 No event
531	6.0	1 - Sequence number
0	0.0	12

Variable 518:CRASH SEQUENCE (2) (Continued)

22Sep11 Prcnt Code Value and Description

6607 74.1 99 No Record

 Variable 519 OBJECT CONTACTED (2) Width: 2 Type: Numeric
 ----- Dec: None Miss: 99

NHTSA SAS Variable - OBJCONT2

22Sep11 Prcnt Code Value and Description

Collision with Motor Vehicle in-Transport

0	0.0	0	No event or not CDC applicable
346	3.9	1	- Vehicle number
0	0.0	8	

Noncollision

216	2.4	31	Overturn - rollover (excludes end-over-end)
1	0.0	32	Rollover - end-over-end
0	0.0	34	Jackknife
1	0.0	38	Other noncollision
0	0.0	39	Noncollision - details unknown

Collision with fixed object

41	0.5	41	Tree (< or = 10 cm in diameter)
119	1.3	42	Tree (> 10 cm in diameter)
15	0.2	43	Shrubbery or bush
54	0.6	44	Embankment
26	0.3	45	Breakaway pole or post (any diameter)
0	0.0	46	Metal guardrail (deleted 2010)
6	0.1	47	Cable barrier guardrail
78	0.9	48	Guardrail face
1	0.0	49	Guardrail end

Nonbreakaway pole or post

77	0.9	50	Pole or post (< or = 10 cm in diameter)
89	1.0	51	Pole or post (> 10 or < or = 30 cm in diameter)
24	0.3	52	Pole or post (> 30 cm in diameter)
7	0.1	53	Pole, post - diameter unknown

80	0.9	54	Concrete traffic barrier
3	0.0	55	Impact attenuator
4	0.0	56	Other traffic barrier (includes guardrail)
63	0.7	57	Fence
27	0.3	58	Wall
17	0.2	59	Building
35	0.4	60	Ditch or culvert
18	0.2	61	Ground
10	0.1	62	Fire hydrant
115	1.3	63	Curb
8	0.1	64	Bridge

Variable 519:OBJECT CONTACTED (2) (Continued)

22Sep11	Prcnt	Code	Value and Description
57	0.6	68	Other fixed object
1	0.0	69	Unknown fixed object
			Collision with nonfixed object
0	0.0	70	Passenger car, light truck, van or other vehicle not in-transport
0	0.0	71	Medium/heavy truck or bus not in-transport
2	0.0	72	Pedestrian
3	0.0	73	Cyclist or cycle
0	0.0	74	Other nonmotorist or conveyance
1	0.0	75	Vehicle occupant
8	0.1	76	Animal
3	0.0	77	Railway vehicle
0	0.0	78	Trailer, disconnected in-transport
3	0.0	79	Object fell from vehicle in-transport
27	0.3	88	Other nonfixed object
0	0.0	89	Unknown nonfixed object
1	0.0	98	Other event
6621	74.2	99	Unknown event or object

Variable 520 DIRECTION OF FORCE (2) Width: 2 Type: Numeric
----- ----- Dec: None Miss: 99

NHTSA SAS Variable - DOF2

22Sep11	Prcnt	Code	Value and Description
349	3.9	0	Nonhorizontal force
84	0.9	1	1 o'clock
41	0.5	2	2 o'clock
218	2.4	3	3 o'clock
32	0.4	4	4 o'clock
31	0.3	5	5 o'clock
132	1.5	6	6 o'clock
24	0.3	7	7 o'clock
34	0.4	8	8 o'clock
220	2.5	9	9 o'clock
47	0.5	10	10 o'clock
66	0.7	11	11 o'clock
797	8.9	12	12 o'clock
			End shift vertical - up; top shift forward
2	0.0	20	Nonhorizontal force
1	0.0	26	6 o'clock
1	0.0	27	7 o'clock
2	0.0	32	12 o'clock

 Variable 525 DEFORMATION EXTENT (2) Width: 2 Type: Numeric
 ----- Dec: None Miss: 99

NHTSA SAS Variable - EXTENT2

CDC 2 - DEFORMATION EXTENT

22Sep11	Prcnt	Code	Value and Description
0	0.0	0	No event
869	9.7	1	Extent zone 1
436	4.9	2	Extent zone 2
221	2.5	3	Extent zone 3
31	0.3	4	Extent zone 4
11	0.1	5	Extent zone 5
32	0.4	6	Extent zone 6
6	0.1	7	Extent zone 7
4	0.0	8	Extent zone 8
42	0.5	9	Extent zone 9
7269	81.5	99	Unknown/No record

 Variable 526 DEFORM LOC (2) - NUMERIC Width: 2 Type: Numeric
 ----- Dec: None Miss: 39

NHTSA SAS Variable - GAD2 (numeric recode)

Deformation location (2) - numeric

22Sep11	Prcnt	Code	Value and Description
139	1.6	2	B - Back (rear)
846	9.5	6	F - Front
517	5.8	12	L - Left side
551	6.2	18	R - Right side
148	1.7	20	T - Top
37	0.4	21	U - Undercarriage
76	0.9	39	Unknown
6607	74.1	99	Not applicable or No CDC

 Variable 527 LONG/LAT LOC (2)-NUMERIC Width: 2 Type: Numeric
 ----- Dec: None Miss: 39

NHTSA SAS Variable - SHL2 (numeric recode)

Specific longitudinal or lateral location (2) - numeric

22Sep11	Prcnt	Code	Value and Description
298	3.3	2	B
35	0.4	3	C
473	5.3	4	D
145	1.6	6	F

Variable 527:LONG/LAT LOC (2)-NUMERIC (Continued)

22Sep11	Prcnt	Code	Value and Description
177	2.0	12	L
165	1.8	16	P
178	2.0	18	R
186	2.1	25	Y
270	3.0	26	Z
387	4.3	39	Unknown
6607	74.1	99	Not applicable or No CDC

Horizontal Impacts

- 2 B - Side rear -- left or right
- 3 C - Center -- front or rear
- 4 D - Distributed -- side or end
- 6 F - Side front -- left or right
- 12 L - Left -- front or rear
- 16 P - Side center section -- L or R
- 18 R - Right -- front or rear
- 25 Y - Side (F + P) or end (L + C)
- 26 Z - Side (P + B) or end (C + R)
- 39 Unknown

Top or Undercarriage / Side Impact

- 2 B - Rear section
- 4 D - Distributed (F+P+B)
- 6 F - Front section
- 16 P - Center section
- 25 Y - F+P
- 26 Z - P+B
- 39 Unknown

 Variable 528 VERT/LAT LOC (2)-NUMERIC Width: 2 Type: Numeric
 ----- Dec: None Miss: 39

NHTSA SAS Variable - SVL2 (numeric recode)

Specific vertical or lateral location (2) - numeric

22Sep11	Prcnt	Code	Value and Description
192	2.2	1	A
3	0.0	3	C
134	1.5	4	D
1269	14.2	5	E
26	0.3	7	G
11	0.1	8	H
135	1.5	12	L
31	0.3	13	M
9	0.1	18	R
123	1.4	23	W
4	0.0	25	Y
1	0.0	26	Z

Variable 528:VERT/LAT LOC (2)-NUMERIC (Continued)

22Sep11 Prcnt Code Value and Description

376 4.2 39 Unknown
6607 74.1 99 Not applicable or No CDC

CDC (Vertical - Front, Rear, or Side Impacts)

1 A - All
5 E - Everything below belt line
7 G - Belt line and above
8 H - Top of frame to top
12 L - Frame -- top of frame, frame, bottom of frame
(including undercarriage)
13 M - Middle -- top of frame to belt line or hood
23 W - Below undercarriage level (wheels and tires only)
39 Unknown

CDC (Lateral - Top and Undercarriage Impacts)

5 C - Center
4 D - Distributed
12 L - Left
18 R - Right
25 Y - Left and Center (L + C)
26 Z - Right and Center (R + C)
39 Unknown

Variable 529 TYPE OF DISTRIB (2)-NUM Width: 2 Type: Numeric
----- Dec: None Miss: 39

NHTSA SAS Variable - TDD2 (numeric recode)

Type of damage distribution (2) - numeric

22Sep11 Prcnt Code Value and Description

182 2.0 5 E - Corner
294 3.3 14 N - Narrow impact area
213 2.4 15 O - Rollover (includes side)
161 1.8 19 S - Sideswipe
9 0.1 21 U - No residual deformation
1027 11.5 23 W - Wide impact area
428 4.8 39 Unknown
6607 74.1 99 Not applicable or No CDC

```

+-----+
|                                     |
|                               The CRUSH PROFILE Variables |
|                                     |
| Variables 530 through 545 describe the profiles of the |
| Primary and Secondary CDC crush. |
|                                     |
+-----+

```

```
-----
Variable 530  HIGHEST DELTA-V - "L"          Width: 3      Type: Numeric
-----
Dec:      None  Miss: 999
```

NHTSA SAS Variable - DVL

Width of direct and induced damage

22Sep11	Prcnt	Code	Value and Description
0	0.0	0	Less than 0.5 centimeters
1	0.0	9	09 cm
		-	
1	0.0	527	527 cm
5129	57.5	999	Unknown or Inapplicable - Body Type (V309) = 50-99

```
-----
Variable 531  HIGHEST DELTA-V - "C1"          Width: 3      Type: Numeric
-----
Dec:      None  Miss: 999
```

NHTSA SAS Variable - DVC1

Depth of direct damage at point C1 - there may be 2, 4 or 6 C measurements

22Sep11	Prcnt	Code	Value and Description
1200	13.5	0	Less than 0.5 centimeters
237	2.7	1	1 cm
		-	
1	0.0	252	252 cm
5129	57.5	999	Unknown or Inapplicable - Body Type (V309) = 50-99

```
-----
Variable 532  HIGHEST DELTA-V - "C2"          Width: 3      Type: Numeric
-----
Dec:      None  Miss: 999
```

NHTSA SAS Variable - DVC2

Depth of direct damage at point C2 - there may be 2, 4 or 6 C measurements

22Sep11	Prcnt	Code	Value and Description
555	6.2	0	Less than 0.5 centimeters
229	2.6	1	1 cm
		-	
1	0.0	222	222 cm
5129	57.5	999	Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 533 HIGHEST DELTA-V - "C3" Width: 3 Type: Numeric
----- Dec: None Miss: 999

NHTSA SAS Variable - DVC3

Depth of direct damage at point C3 - there may be 2, 4 or 6 C
measurements

22Sep11	Prcnt	Code	Value and Description
421	4.7	0	Less than 0.5 centimeters
203	2.3	1	1 cm
		-	
1	0.0	200	200 cm
5131	57.5	999	Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 534 HIGHEST DELTA-V - "C4" Width: 3 Type: Numeric
----- Dec: None Miss: 999

NHTSA SAS Variable - DVC4

Depth of direct damage at point C4 - there may be 2, 4 or 6 C
measurements

22Sep11	Prcnt	Code	Value and Description
436	4.9	0	Less than 0.5 centimeters
170	1.9	1	1 cm
		-	
1	0.0	193	193 cm
5131	57.5	999	Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 535 HIGHEST DELTA-V - "C5" Width: 3 Type: Numeric
----- Dec: None Miss: 999

NHTSA SAS Variable - DVC5

Depth of direct damage at point C5 - there may be 2, 4 or 6 C
measurements

22Sep11	Prcnt	Code	Value and Description
544	6.1	0	Less than 0.5 centimeters
197	2.2	1	1 cm
		-	
1	0.0	187	187 cm
5137	57.6	999	Unknown or Inapplicable - Body Type (V309) = 50-99

```
-----
Variable 536  HIGHEST DELTA-V - "C6"      Width: 3      Type: Numeric
-----
Dec:      None      Miss: 999
```

NHTSA SAS Variable - DVC6

Depth of direct damage at point C6 - there may be 2, 4 or 6 C measurements

22Sep11	Prcnt	Code	Value	Description
1134	12.7	0		Less than 0.5 centimeters
194	2.2	1	1	1 cm
		-		
1	0.0	160	160	cm
5137	57.6	999		Unknown or Inapplicable - Body Type (V309) = 50-99

```
-----
Variable 537  HIGHEST DELTA-V - "D"      Width: 4      Type: Numeric
-----
Dec:      None      Miss: 9999
```

NHTSA SAS Variable - DVD

Offset from center of vehicle to the center of the damage (end or side). Values may be negative, meaning rearward with side damage or left with end plane damage.

22Sep11	Prcnt	Code	Value	Description
1	0.0	-265	-265	cm
		-		Damage offset
1	0.0	263	263	cm
5129	57.5	9999		Unknown or Inapplicable - Body Type (V309) = 50-99

```
-----
Variable 538  SECOND DELTA-V - "L"      Width: 3      Type: Numeric
-----
Dec:      None      Miss: 999
```

NHTSA SAS Variable - SDVL

Width of secondary direct and induced damage

22Sep11	Prcnt	Code	Value	Description
0	0.0	0		Less than 0.5 centimeters
1	0.0	24	24	cm
		-		
1	0.0	446	446	cm
8138	91.2	999		Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 539 SECOND DELTA-V - "C1" Width: 3 Type: Numeric
----- Dec: None Miss: 999

NHTSA SAS Variable - SDVC1

Depth of direct damage at point C1 - there may be 2, 4 or 6 C measurements

22Sep11	Prcnt	Code	Value and Description
307	3.4	0	Less than 0.5 centimeters
93	1.0	1	1 cm
		-	
1	0.0	54	054 cm
8138	91.2	999	Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 540 SECOND DELTA-V - "C2" Width: 3 Type: Numeric
----- Dec: None Miss: 999

NHTSA SAS Variable - SDVC2

Depth of direct damage at point C2 - there may be 2, 4 or 6 C measurements

22Sep11	Prcnt	Code	Value and Description
163	1.8	0	Less than 0.5 centimeters
93	1.0	1	1 cm
		-	
1	0.0	63	63 cm
8138	91.2	999	Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 541 SECOND DELTA-V - "C3" Width: 3 Type: Numeric
----- Dec: None Miss: 999

NHTSA SAS Variable - SDVC3

Depth of direct damage at point C3 - there may be 2, 4 or 6 C measurements

22Sep11	Prcnt	Code	Value and Description
140	1.6	0	Less than 0.5 centimeters
90	1.0	1	1 cm
		-	
1	0.0	66	66 cm
8138	91.2	999	Unknown or Inapplicable - Body Type (V309) = 50-99

 Variable 542 SECOND DELTA-V - "C4" Width: 3 Type: Numeric
 ----- Dec: None Miss: 999

NHTSA SAS Variable - SDVC4

Depth of direct damage at point C4 - there may be 2, 4 or 6 C measurements

22Sep11	Prcnt	Code	Value and Description
180	2.0	0	Less than 0.5 centimeters
78	0.9	1	1 cm
		-	
1	0.0	69	69 cm
8138	91.2	999	Unknown or Inapplicable - Body Type (V309) = 50-99

 Variable 543 SECOND DELTA-V - "C5" Width: 3 Type: Numeric
 ----- Dec: None Miss: 999

NHTSA SAS Variable - SDVC5

Depth of direct damage at point C5 - there may be 2, 4 or 6 C measurements

22Sep11	Prcnt	Code	Value and Description
196	2.2	0	Less than 0.5 centimeters
105	1.2	1	1 cm
		-	
1	0.0	54	54 cm
8151	91.4	999	Unknown or Inapplicable - Body Type (V309) = 50-99

 Variable 544 SECOND DELTA-V - "C6" Width: 3 Type: Numeric
 ----- Dec: None Miss: 999

NHTSA SAS Variable - SDVC6

Depth of direct damage at point C6 - there may be 2, 4 or 6 C measurements

22Sep11	Prcnt	Code	Value and Description
359	4.0	0	Less than 0.5 centimeters
80	0.9	1	1 cm
		-	
1	0.0	52	52 cm
8151	91.4	999	Unknown or Inapplicable - Body Type (V309) = 50-99

```
-----
Variable 545  SECOND DELTA-V - "D"          Width: 4      Type: Numeric
-----          -----
Dec:  None      Miss: 9999
```

NHTSA SAS Variable - SDVD

Offset from center of vehicle to the center of the damage (end or side). Values may be negative, meaning rearward with side damage or left with end plane damage.

```
22Sep11 Prcnt  Code Value and Description

      1   0.0   -267  -267 cm
                    -  Damage offset
      1   0.0   226   226 cm
8138  91.2   9999  Unknown or Inapplicable - Body Type (V309) = 50-99
```

```
-----
Variable 546  CDC'S DOC/NOT CODED          Width: 1      Type: Numeric
-----          -----
Dec:  None      Miss: None
```

NHTSA SAS Variable - DOCCDC

Are CDCs documented but not coded on the automated file?

```
22Sep11 Prcnt  Code Value and Description

5801  65.0    0  Not documented
 817   9.2    1  Yes, documented
2303  25.8    9  No record
```

```
-----
Variable 547  VEHICLE DISPOSITION          Width: 1      Type: Numeric
-----          -----
Dec:  None      Miss: 9
```

NHTSA SAS Variable - TOWRES

Researcher's assessment of vehicle disposition

```
22Sep11 Prcnt  Code Value and Description

1321  14.8    0  Not towed due to vehicle damage
4719  52.9    1  Towed due to vehicle damage
2881  32.3    9  Unknown/No record
```

```
-----
Variable 548  ORIGINAL WHEELBASE          Width: 3      Type: Numeric
-----          -----
Dec:  None      Miss: 999
```

NHTSA SAS Variable - WHEELBAS

```
22Sep11 Prcnt  Code Value and Description

      2   0.0   187
```

Variable 548:ORIGINAL WHEELBASE (Continued)

22Sep11	Prcnt	Code	Value and Description
			- Wheelbase (in increments of 1 cm)
1	0.0	555	
0	0.0	650	650 centimeters
2315	26.0	999	Unknown/No record

Variable 549	MULTI-STAGE VEHICLE	Width: 1	Type: Numeric
-----	-----	Dec: None	Miss: 9

NHTSA SAS Variable - ALTVEH

Multi-stage manufactured vehicle and/or a certified altered vehicle?

22Sep11	Prcnt	Code	Value and Description
6521	73.1	0	No post manufacturer modifications
81	0.9	1	Yes - post manufacturer modifications
2319	26.0	9	Unknown if vehicle is modified

Variable 550	FIRE OCCURRENCE	Width: 1	Type: Numeric
-----	-----	Dec: None	Miss: 9

NHTSA SAS Variable - FIRE

22Sep11	Prcnt	Code	Value and Description
6491	72.8	0	No fire
			Yes, fire occurred
13	0.1	1	Minor
34	0.4	2	Major
2383	26.7	9	Unknown

Variable 551	ORIGIN OF FIRE	Width: 1	Type: Numeric
-----	-----	Dec: None	Miss: 9

NHTSA SAS Variable - FIREORIG

22Sep11	Prcnt	Code	Value and Description
6491	72.8	0	No fire
3	0.0	1	Vehicle exterior (front, side, back, top)
0	0.0	2	Exhaust system
3	0.0	3	Fuel tank (and other fuel retention system parts)
35	0.4	4	Engine compartment
0	0.0	5	Cargo/trunk compartment

Variable 551:ORIGIN OF FIRE (Continued)

22Sep11 Prcnt Code Value and Description

1	0.0	6	Instrument panel
2	0.0	7	Passenger compartment area
0	0.0	8	Other location
2386	26.7	9	Unknown origin

 Variable 552 TYPE OF FUEL TANK 1 Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - FUELTKN1

22Sep11 Prcnt Code Value and Description

0	0.0	0	No fuel tank (electric/solar powered vehicle)
60	0.7	1	Metallic
30	0.3	2	Nonmetallic
8831	99.0	9	Unknown

 Variable 553 TYPE OF FUEL TANK 2 Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - FUELTKN2

22Sep11 Prcnt Code Value and Description

8921	100.0	9	Unknown
------	-------	---	---------

 Variable 554 FUEL TANK 1 LOCATION Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - FUELLOC1

22Sep11 Prcnt Code Value and Description

0	0.0	0	No fuel tank
19	0.2	1	Aft of center of the rear wheels (rear axle) centered
3	0.0	2	Aft of center of the rear wheels (rear axle) left side
3	0.0	3	Aft of center of the rear wheels (rear axle) right side
45	0.5	4	Forward of center of the rear wheels (rear axle) centered
18	0.2	5	Forward of center of the rear wheels (rear axle) left side
4	0.0	6	Forward of center of the rear wheels (rear axle) right side
2	0.0	7	Over center of the rear wheels (rear axle)
0	0.0	8	Other
8827	98.9	9	Unknown

```
-----
Variable 555  FUEL TANK 2 LOCATION          Width: 1      Type: Numeric
-----
Dec:      None      Miss: 9
```

NHTSA SAS Variable - FUELLOC2

```
22Sep11 Prcnt  Code Value and Description
8921 100.0    9  Unknown
```

```
-----
Variable 556  FUEL TANK 1 FILLER CAP          Width: 1      Type: Numeric
-----
Dec:      None      Miss: 9
```

NHTSA SAS Variable - FUELCAP1

Fuel tank 1 filler cap location

```
22Sep11 Prcnt  Code Value and Description
0  0.0  0  No fuel tank
3  0.0  1  On back plane
49 0.5  2  Aft of center of the rear wheels (rear axle) on left side
    plane
30 0.3  3  Aft of center of the rear wheels (rear axle) on right
    side plane
15 0.2  4  Forward of center of the rear wheels (rear axle) on left
    side plane
1  0.0  5  Forward of center of the rear wheels (rear axle) on right
    side plane
3  0.0  6  Over the center of the rear wheels (rear axle) on left
    side plane
0  0.0  7  Over the center of the rear wheels (rear axle) on right
    side plane
0  0.0  8  Other
8820 98.9  9  Unknown
```

```
-----
Variable 557  FUEL TANK 2 FILLER CAP          Width: 1      Type: Numeric
-----
Dec:      None      Miss: 9
```

NHTSA SAS Variable - FUELCAP2

Fuel tank 2 filler cap location

```
22Sep11 Prcnt  Code Value and Description
8921 100.0    9  Unknown
```

```
-----
Variable 558  FUEL TANK 1 DAMAGE          Width: 1      Type: Numeric
-----          -----
Dec:  None      Miss: 9
```

NHTSA SAS Variable - FUELDAM1

```
22Sep11 Prcnt  Code Value and Description
    0    0.0    0  No fuel tank
 6009  67.4    1  No damage to fuel tank
    46    0.5    2  Deformed, no seam failure
    4    0.0    3  Deformed, with a seam failure
    5    0.1    4  Punctured
    1    0.0    5  Lacerated (ripped)
    9    0.1    6  Abraded (scraped)
    0    0.0    7  Filler neck separation from the fuel tank
    4    0.0    8  Other damage
 2843  31.9    9  Unknown
```

```
-----
Variable 559  FUEL TANK 2 DAMAGE          Width: 1      Type: Numeric
-----          -----
Dec:  None      Miss: 9
```

NHTSA SAS Variable - FUELDAM2

```
22Sep11 Prcnt  Code Value and Description
    104    1.2    1  No damage to fuel tank
 8817  98.8    9  Unknown
```

```
-----
Variable 560  LOCATION OF FUEL 1 LEAK      Width: 1      Type: Numeric
-----          -----
Dec:  None      Miss: 9
```

NHTSA SAS Variable - FUELEAK1

Leakage location of fuel system 1

```
22Sep11 Prcnt  Code Value and Description
    0    0.0    0  No fuel tank
 6059  67.9    1  No fuel leakage

          Primary area of leakage
    9    0.1    2  Tank
    1    0.0    3  Filler neck
    0    0.0    4  Cap
    1    0.0    5  Lines / pump / filter
    0    0.0    6  Vent / emission recovery

    1    0.0    8  Other
 2850  31.9    9  Unknown
```

```
-----
Variable 561  LOCATION OF FUEL 2 LEAK      Width: 1      Type: Numeric
-----
Dec:      None      Miss: 9
```

NHTSA SAS Variable - FUELEAK2

Location of fuel system 2 leakage

22Sep11 Prcnt Code Value and Description

```
103  1.2  1  No fuel leakage
      Primary area of leakage
8818 98.8  9  Unknown
```

```
-----
Variable 562  FUEL TYPE 1                          Width: 2      Type: Numeric
-----
Dec:      None      Miss: 99
```

NHTSA SAS Variable - FUELTP1

22Sep11 Prcnt Code Value and Description

```

      Single fuel type
0  0.0  0  No fuel tank
6427 72.0  1  Gasoline
76  0.9  2  Diesel
0  0.0  3  CNG (Compressed Natural Gas)
0  0.0  4  LPG (Liquid Petroleum Gas) also known as Propane
0  0.0  5  LNG (Liquid Natural Gas)
0  0.0  6  Methanol (M100 or M85)
21  0.2  7  Ethanol (E100 or E85)
0  0.0  9  Hydrogen Fuel Cell
1  0.0 12  Nickel-Cadmium battery
1  0.0 15  Nickel-Metal Hydride (NiMH)
0  0.0 98  Other
2395 26.8 99  Unknown fuel type
```

```
-----
Variable 563  FUEL TYPE 2                          Width: 2      Type: Numeric
-----
Dec:      None      Miss: 99
```

NHTSA SAS Variable - FUELTP2

22Sep11 Prcnt Code Value and Description

```

      Single fuel type
17  0.2  1  Gasoline
2  0.0  2  Diesel
1  0.0  6  Methanol (M100 or M85)
68  0.8  7  Ethanol (E100 or E85)
6  0.1 12  Nickel-Cadmium battery
24  0.3 15  Nickel-Metal Hydride (NiMH)
8803 98.7 99  Unknown fuel type
```

```
-----
Variable 564  MORE THAN 2 FUEL TANKS      Width: 1      Type: Numeric
-----
Dec:      None      Miss: 9
```

NHTSA SAS Variable - FUELGT2

Is this vehicle equipped with more than two fuel tanks?

22Sep11	Prcnt	Code	Value and Description
0	0.0	0	No (one or two tanks only)
			Yes - more than two tanks
0	0.0	1	Yes, no damage to any tank or filler cap and no fuel system leakage
0	0.0	2	Yes, no damage to any tank or filler cap but there is fuel system leakage
0	0.0	3	Yes, damage to additional tank or filler cap and there is fuel system leakage, and specify the following:
8921	100.0	9	Unknown if more than two tanks

```
-----
Variable 565  UNDEFORMED END WIDTH          Width: 3      Type: Numeric
-----
Dec:      None      Miss: 999
```

NHTSA SAS Variable - UNDENDW

Undeformed end width (coded when highest severity impact is an end plane impact)

22Sep11	Prcnt	Code	Value and Description
2	0.0	114	- Code measured value to the nearest centimeter
1	0.0	206	206 centimeters
2301	25.8	998	No highest severity end plane impact
2944	33.0	999	Unknown

```
-----
Variable 566  DIRECT DAMAGE WIDTH                Width: 3      Type: Numeric
-----
Dec:      None      Miss: 999
```

NHTSA SAS Variable - DIRDAMW

Direct damage width (for highest severity impact)

22Sep11	Prcnt	Code	Value and Description
6	0.1	2	- Code measured value to the nearest centimeter
3	0.0	249	249 centimeters
189	2.1	250	250 centimeters
4403	49.4	999	Unknown

```
-----
Variable 567 ORIGINAL AVE. TRACK WID. Width: 3 Type: Numeric
----- Dec: None Miss: 999
```

NHTSA SAS Variable - ORIGAVTW

Original average track width

22Sep11	Prcnt	Code	Value and Description
0	0.0	102	- Code to the nearest centimeter
0	0.0	184	
6	0.1	185	185 centimeters
2476	27.8	999	Unknown

```
-----
Variable 568 PDOF1-CLOCK DEGREES Width: 3 Type: Numeric
----- Dec: None Miss: 999
```

NHTSA SAS Variable - PDOF1

Primary CDC Clock in degrees

22Sep11	Prcnt	Code	Value and Description
1535	17.2	0	0 degrees
		-	
567	6.4	350	350 degrees
412	4.6	998	Nonhorizontal impact
2905	32.6	999	Unknown

Variable 569 PDOF2-CLOCK DEGREES Width: 3 Type: Numeric
----- Dec: None Miss: 999

NHTSA SAS Variable - PDOF2

Secondary CDC Clock in degrees

22Sep11	Prcnt	Code	Value and Description
588	6.6	0	0 degrees
		-	
102	1.1	350	350 degrees
353	4.0	998	Nonhorizontal impact
6831	76.6	999	Unknown

```

+-----+
|                                     |
|               The INTERIOR DAMAGE "A" Variables               |
|                                     |
|   Variables 601 through 648 describe interior damage to the  |
|   vehicles involved in the crash. Additional interior damage  |
|   information is documented in Variables 701 - 753.           |
|                                     |
+-----+
    
```

```

-----
Variable 601  PSU NUMBER                               Width: 2      Type: Numeric
-----
Dec:         None      Miss: None
    
```

NHTSA SAS Variable - PSU

```

22Sep11 Prcnt  Code Value and Description
    261    2.9    2
                -  PSU Number
    344    3.9    82
    
```

```

-----
Variable 602  CASE NUMBER                               Width: 4      Type: Alphabetic
-----
Dec:         None      Miss: None
    
```

NHTSA SAS Variable - CASEID

```

-----
Variable 603  RECORD NUMBER                             Width: 2      Type: Numeric
-----
Dec:         None      Miss: None
    
```

NHTSA SAS Variables Casekey 4 and Casekey 5

```

22Sep11 Prcnt  Code Value and Description
    5446  61.0    0  Filler - No damage record for this vehicle.
    3475  39.0    7  Interior Damage "A" record
    
```

```

-----
Variable 604  VERSION NUMBER                             Width: 2      Type: Numeric
-----
Dec:         None      Miss: None
    
```

NHTSA SAS Variable - VERSION

```

22Sep11 Prcnt  Code Value and Description
    8921 100.0    23  Version 23
    
```

```
-----
Variable 605  VEHICLE NUMBER           Width: 2      Type: Numeric
-----
Dec:      None  Miss: None
```

NHTSA SAS Variable - VEHNO

22Sep11	Prcnt	Code	Value and Description
4856	54.4	1	Vehicle #1
3288	36.9	2	Vehicle #2
619	6.9	3	Vehicle #3
132	1.5	4	Vehicle #4
20	0.2	5	Vehicle #5
4	0.0	6	Vehicle #6
2	0.0	7	Vehicle #7

```
-----
Variable 606  PASS COMPART INTEGRITY       Width: 2      Type: Numeric
-----
Dec:      None  Miss: 99
```

NHTSA SAS Variable - PASINTEG

Passenger compartment integrity

22Sep11	Prcnt	Code	Value and Description
4	0.0	0	No integrity loss
			Yes, integrity was lost through:
16	0.2	1	Windshield
8	0.1	2	Door (side)
0	0.0	3	Door/hatch (back door)
1	0.0	4	Roof
2	0.0	5	Roof glass
421	4.7	6	Side window
104	1.2	7	Rear window (backlight)
0	0.0	8	Roof and roof glass
0	0.0	9	Windshield and door (side)
0	0.0	10	Windshield and roof
158	1.8	11	Side and rear window (side window and backlight)
38	0.4	12	Windshield and side window
16	0.2	13	Door and side window
137	1.5	98	Other combination of above
8016	89.9	99	Unknown/No record

 Variable 607 DOOR/GATE/HATCH OPN - LF Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - OPENLRF

Door, tailgate or hatch opening - left front (driver's side)

22Sep11	Prcnt	Code	Value and Description
0	0.0	0	No door/tailgate/hatch
2806	31.5	1	Door/tailgate/hatch remained closed and operational
11	0.1	2	Door/tailgate/hatch came open during collision
394	4.4	3	Door/tailgate/hatch jammed shut
10	0.1	8	Other
5700	63.9	9	Unknown/No record

 Variable 608 DOOR/GATE/HATCH OPN - RF Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - OPENRFR

Door, tailgate or hatch opening - right front

22Sep11	Prcnt	Code	Value and Description
1	0.0	0	No door/tailgate/hatch
2838	31.8	1	Door/tailgate/hatch remained closed and operational
12	0.1	2	Door/tailgate/hatch came open during collision
382	4.3	3	Door/tailgate/hatch jammed shut
7	0.1	8	Other
5681	63.7	9	Unknown/No record

 Variable 609 DOOR/GATE/HATCH OPN - LR Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - OPENLR

Door, tailgate or hatch opening - left rear

22Sep11	Prcnt	Code	Value and Description
439	4.9	0	No door/tailgate/hatch
2525	28.3	1	Door/tailgate/hatch remained closed and operational
6	0.1	2	Door/tailgate/hatch came open during collision
304	3.4	3	Door/tailgate/hatch jammed shut
1	0.0	8	Other
5646	63.3	9	Unknown/No record

```
-----
Variable 610 DOOR/GATE/HATCH OPN - RR Width: 1 Type: Numeric
----- Dec: None Miss: 9
```

NHTSA SAS Variable - OPENRR

Door, tailgate or hatch opening - right rear

22Sep11	Prcnt	Code	Value and Description
417	4.7	0	No door/tailgate/hatch
2570	28.8	1	Door/tailgate/hatch remained closed and operational
3	0.0	2	Door/tailgate/hatch came open during collision
295	3.3	3	Door/tailgate/hatch jammed shut
2	0.0	8	Other
5634	63.2	9	Unknown/No record

```
-----
Variable 611 DOOR/GATE/HATCH OPN - TG Width: 1 Type: Numeric
----- Dec: None Miss: 9
```

NHTSA SAS Variable - OPENTG

Door, tailgate or hatch opening - tailgate

22Sep11	Prcnt	Code	Value and Description
2174	24.4	0	No door/tailgate/hatch
1123	12.6	1	Door/tailgate/hatch remained closed and operational
1	0.0	2	Door/tailgate/hatch came open during collision
99	1.1	3	Door/tailgate/hatch jammed shut
1	0.0	8	Other
5523	61.9	9	Unknown/No record

```
-----
Variable 612 DOOR/GATE/HATCH DAM - LF Width: 1 Type: Numeric
----- Dec: None Miss: 9
```

NHTSA SAS Variable - FAILLF

Damage/failure with D/G/H opening in collision - left front

22Sep11	Prcnt	Code	Value and Description
3464	38.8	0	No door/gate/hatch or door not opened
			Door, tailgate, or hatch came open during collision
0	0.0	1	Door operational (no damage)
2	0.0	2	Latch/striker failure due to damage
3	0.0	3	Hinge failure due to damage
3	0.0	4	Door structure failure due to damage
1	0.0	5	Door support (i.e., pillar, sill, roof side rail, etc.) failure due to damage
1	0.0	6	Latch/striker and hinge failure due to damage
0	0.0	8	Other failure

Variable 612:DOOR/GATE/HATCH DAM - LF (Continued)

22Sep11 Prcnt Code Value and Description

5447 61.1 9 Unknown/No record

 Variable 613 DOOR/GATE/HATCH DAM - RF Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - FAILRF

Damage/failure with D/G/H opening in collision - right front

22Sep11 Prcnt Code Value and Description

3463 38.8 0 No door/gate/hatch or door not opened
 Door, tailgate, or hatch came open during collision
 0 0.0 1 Door operational (no damage)
 3 0.0 2 Latch/striker failure due to damage
 2 0.0 3 Hinge failure due to damage
 4 0.0 4 Door structure failure due to damage
 1 0.0 5 Door support (i.e., pillar, sill, roof side rail, etc.)
 failure due to damage
 1 0.0 6 Latch/striker and hinge failure due to damage
 0 0.0 8 Other failure
 5447 61.1 9 Unknown/No record

 Variable 614 DOOR/GATE/HATCH DAM - LR Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - FAILLR

Damage/failure with D/G/H opening in collision - left rear

22Sep11 Prcnt Code Value and Description

3469 38.9 0 No door/gate/hatch or door not opened
 Door, tailgate, or hatch came open during collision
 0 0.0 1 Door operational (no damage)
 3 0.0 2 Latch/striker failure due to damage
 0 0.0 3 Hinge failure due to damage
 2 0.0 4 Door structure failure due to damage
 1 0.0 5 Door support (i.e., pillar, sill, roof side rail, etc.)
 failure due to damage
 0 0.0 6 Latch/striker and hinge failure due to damage
 0 0.0 8 Other failure
 5446 61.0 9 Unknown/No record

 Variable 615 DOOR/GATE/HATCH DAM - RR Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - FAILRR

Damage/failure with D/G/H opening in collision - right rear

22Sep11	Prcnt	Code	Value and Description
3472	38.9	0	No door/gate/hatch or door not opened
			Door, tailgate, or hatch came open during collision
0	0.0	1	Door operational (no damage)
2	0.0	2	Latch/striker failure due to damage
0	0.0	3	Hinge failure due to damage
0	0.0	4	Door structure failure due to damage
0	0.0	5	Door support (i.e., pillar, sill, roof side rail, etc.) failure due to damage
0	0.0	6	Latch/striker and hinge failure due to damage
0	0.0	8	Other failure
5447	61.1	9	Unknown/No record

 Variable 616 DOOR/GATE/HATCH DAM - TG Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - FAILTG

Damage/failure with D/G/H opening in collision - tailgate or hatch

22Sep11	Prcnt	Code	Value and Description
3474	38.9	0	No door/gate/hatch or door not opened
			Door, tailgate, or hatch came open during collision
0	0.0	1	Door operational (no damage)
1	0.0	2	Latch/striker failure due to damage
0	0.0	3	Hinge failure due to damage
0	0.0	4	Door structure failure due to damage
0	0.0	5	Door support (i.e., pillar, sill, roof side rail, etc.) failure due to damage
0	0.0	6	Latch/striker and hinge failure due to damage
0	0.0	8	Other failure
5446	61.0	9	Unknown/No record

```
-----
Variable 617  IMPACT GLAZING DAM - WS      Width: 1      Type: Numeric
-----      -----
Dec:      None      Miss: 9
```

NHTSA SAS Variable - GLIMPWS

Glazing damage from impact forces - windshield

22Sep11	Prcnt	Code	Value and Description
0	0.0	0	No glazing
1953	21.9	1	No glazing damage from impact forces
1217	13.6	2	Glazing in place and cracked from impact forces
70	0.8	3	Glazing in place and holed from impact forces
21	0.2	4	Glazing out-of-place (cracked or not) and not holed from impact forces
10	0.1	5	Glazing out-of-place and holed from impact forces
0	0.0	6	Glazing disintegrated from impact forces
0	0.0	7	Glazing removed prior to crash
5650	63.3	9	Unknown if damaged/No record

```
-----
Variable 618  IMPACT GLAZING DAM - LF      Width: 1      Type: Numeric
-----      -----
Dec:      None      Miss: 9
```

NHTSA SAS Variable - GLIMPLF

Glazing damage from impact forces - left front window

22Sep11	Prcnt	Code	Value and Description
0	0.0	0	No glazing
2860	32.1	1	No glazing damage from impact forces
10	0.1	2	Glazing in place and cracked from impact forces
0	0.0	3	Glazing in place and holed from impact forces
1	0.0	4	Glazing out-of-place (cracked or not) and not holed from impact forces
1	0.0	5	Glazing out-of-place and holed from impact forces
397	4.5	6	Glazing disintegrated from impact forces
0	0.0	7	Glazing removed prior to crash
5652	63.4	9	Unknown if damaged/No record

```
-----
Variable 619  IMPACT GLAZING DAM - RF      Width: 1      Type: Numeric
-----      -----
Dec:      None      Miss: 9
```

NHTSA SAS Variable - GLIMPRF

Glazing damage from impact forces - right front window

22Sep11	Prcnt	Code	Value and Description
0	0.0	0	No glazing
2943	33.0	1	No glazing damage from impact forces
15	0.2	2	Glazing in place and cracked from impact forces

Variable 619:IMPACT GLAZING DAM - RF (Continued)

22Sep11	Prcnt	Code	Value and Description
0	0.0	3	Glazing in place and holed from impact forces
3	0.0	4	Glazing out-of-place (cracked or not) and not holed from impact forces
0	0.0	5	Glazing out-of-place and holed from impact forces
327	3.7	6	Glazing disintegrated from impact forces
0	0.0	7	Glazing removed prior to crash
5633	63.1	9	Unknown if damaged/No record

 Variable 620 IMPACT GLAZING DAM - LR Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - GLIMPLR

Glazing damage from impact forces - left rear window

22Sep11	Prcnt	Code	Value and Description
104	1.2	0	No glazing
2975	33.3	1	No glazing damage from impact forces
1	0.0	2	Glazing in place and cracked from impact forces
1	0.0	3	Glazing in place and holed from impact forces
0	0.0	4	Glazing out-of-place (cracked or not) and not holed from impact forces
0	0.0	5	Glazing out-of-place and holed from impact forces
222	2.5	6	Glazing disintegrated from impact forces
2	0.0	7	Glazing removed prior to crash
5616	63.0	9	Unknown if damaged/No record

 Variable 621 IMPACT GLAZING DAM - RR Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - GLIMPRR

Glazing damage from impact forces - right rear window

22Sep11	Prcnt	Code	Value and Description
87	1.0	0	No glazing
3008	33.7	1	No glazing damage from impact forces
3	0.0	2	Glazing in place and cracked from impact forces
3	0.0	3	Glazing in place and holed from impact forces
0	0.0	4	Glazing out-of-place (cracked or not) and not holed from impact forces
1	0.0	5	Glazing out-of-place and holed from impact forces
199	2.2	6	Glazing disintegrated from impact forces
3	0.0	7	Glazing removed prior to crash
5617	63.0	9	Unknown if damaged/No record

 Variable 622 IMPACT GLAZING DAM - BL Width: 1 Type: Numeric
 ----- ----- Dec: None Miss: 9

NHTSA SAS Variable - GLIMPBL

Glazing damage from impact forces - backlight, TG/H/LG

22Sep11	Prcnt	Code	Value and Description
36	0.4	0	No glazing
2900	32.5	1	No glazing damage from impact forces
7	0.1	2	Glazing in place and cracked from impact forces
0	0.0	3	Glazing in place and holed from impact forces
1	0.0	4	Glazing out-of-place (cracked or not) and not holed from impact forces
0	0.0	5	Glazing out-of-place and holed from impact forces
346	3.9	6	Glazing disintegrated from impact forces
3	0.0	7	Glazing removed prior to crash
5628	63.1	9	Unknown if damaged/No record

 Variable 623 IMPACT GLAZING DAM - RO Width: 1 Type: Numeric
 ----- ----- Dec: None Miss: 9

NHTSA SAS Variable - GLIMPRUF

Glazing damage from impact forces - roof

22Sep11	Prcnt	Code	Value and Description
2483	27.8	0	No glazing
882	9.9	1	No glazing damage from impact forces
5	0.1	2	Glazing in place and cracked from impact forces
1	0.0	3	Glazing in place and holed from impact forces
4	0.0	4	Glazing out-of-place (cracked or not) and not holed from impact forces
0	0.0	5	Glazing out-of-place and holed from impact forces
54	0.6	6	Glazing disintegrated from impact forces
0	0.0	7	Glazing removed prior to crash
5492	61.6	9	Unknown if damaged/No record

 Variable 624 IMPACT GLAZING DAM - OTH Width: 1 Type: Numeric
 ----- ----- Dec: None Miss: 9

NHTSA SAS Variable - GLIMPOTH

Glazing damage from impact forces - other

22Sep11	Prcnt	Code	Value and Description
3367	37.7	0	No glazing
81	0.9	1	No glazing damage from impact forces
1	0.0	2	Glazing in place and cracked from impact forces

Variable 624:IMPACT GLAZING DAM - OTH (Continued)

22Sep11	Prcnt	Code	Value and Description
0	0.0	3	Glazing in place and holed from impact forces
0	0.0	4	Glazing out-of-place (cracked or not) and not holed from impact forces
0	0.0	5	Glazing out-of-place and holed from impact forces
21	0.2	6	Glazing disintegrated from impact forces
0	0.0	7	Glazing removed prior to crash
5451	61.1	9	Unknown if damaged/No record

 Variable 625 CONTACT GLAZING DAM - WS Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - GLOCCWS

Glazing damage from occupant contact - windshield

22Sep11	Prcnt	Code	Value and Description
0	0.0	0	No glazing
2915	32.7	1	No occupant contact to glazing
13	0.1	2	Glazing contacted by occupant but no glazing damage
183	2.1	3	Glazing in place and cracked by occupant contact
0	0.0	4	Glazing in place and holed by occupant contact
0	0.0	5	Glazing out-of-place (cracked or not) by occupant contact and not holed by occupant contact
0	0.0	6	Glazing out-of-place by occupant contact and holed by occupant contact
0	0.0	7	Glazing removed prior to crash
0	0.0	8	Glazing disintegrated by occupant contact
5810	65.1	9	Unknown if contacted by occupant

 Variable 626 CONTACT GLAZING DAM - LF Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - GLOCCLF

Glazing damage from occupant contact - left front window

22Sep11	Prcnt	Code	Value and Description
0	0.0	0	No glazing
3098	34.7	1	No occupant contact to glazing
18	0.2	2	Glazing contacted by occupant but no glazing damage
2	0.0	3	Glazing in place and cracked by occupant contact
0	0.0	4	Glazing in place and holed by occupant contact
0	0.0	5	Glazing out-of-place (cracked or not) by occupant contact and not holed by occupant contact
0	0.0	6	Glazing out-of-place by occupant contact and holed by occupant contact

Variable 626:CONTACT GLAZING DAM - LF (Continued)

22Sep11	Prcnt	Code	Value and Description
0	0.0	7	Glazing removed prior to crash
11	0.1	8	Glazing disintegrated by occupant contact
5792	64.9	9	Unknown if contacted by occupant

 Variable 627 CONTACT GLAZING DAM - RF Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - GLOCCRF

Glazing damage from occupant contact - right front window

22Sep11	Prcnt	Code	Value and Description
0	0.0	0	No glazing
3209	36.0	1	No occupant contact to glazing
3	0.0	2	Glazing contacted by occupant but no glazing damage
0	0.0	3	Glazing in place and cracked by occupant contact
0	0.0	4	Glazing in place and holed by occupant contact
0	0.0	5	Glazing out-of-place (cracked or not) by occupant contact and not holed by occupant contact
0	0.0	6	Glazing out-of-place by occupant contact and holed by occupant contact
0	0.0	7	Glazing removed prior to crash
2	0.0	8	Glazing disintegrated by occupant contact
5707	64.0	9	Unknown if contacted by occupant

 Variable 628 CONTACT GLAZING DAM - LR Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - GLOCCLR

Glazing damage from occupant contact - left rear window

22Sep11	Prcnt	Code	Value and Description
104	1.2	0	No glazing
3147	35.3	1	No occupant contact to glazing
3	0.0	2	Glazing contacted by occupant but no glazing damage
0	0.0	3	Glazing in place and cracked by occupant contact
0	0.0	4	Glazing in place and holed by occupant contact
0	0.0	5	Glazing out-of-place (cracked or not) by occupant contact and not holed by occupant contact
0	0.0	6	Glazing out-of-place by occupant contact and holed by occupant contact
2	0.0	7	Glazing removed prior to crash
0	0.0	8	Glazing disintegrated by occupant contact
5665	63.5	9	Unknown if contacted by occupant

```
-----
Variable 629 CONTACT GLAZING DAM - RR Width: 1 Type: Numeric
----- Dec: None Miss: 9
```

NHTSA SAS Variable - GLOCCRR

Glazing damage from occupant contact - right rear window

22Sep11	Prcnt	Code	Value and Description
87	1.0	0	No glazing
3167	35.5	1	No occupant contact to glazing
0	0.0	2	Glazing contacted by occupant but no glazing damage
0	0.0	3	Glazing in place and cracked by occupant contact
0	0.0	4	Glazing in place and holed by occupant contact
0	0.0	5	Glazing out-of-place (cracked or not) by occupant contact and not holed by occupant contact
0	0.0	6	Glazing out-of-place by occupant contact and holed by occupant contact
3	0.0	7	Glazing removed prior to crash
0	0.0	8	Glazing disintegrated by occupant contact
5664	63.5	9	Unknown if contacted by occupant

```
-----
Variable 630 CONTACT GLAZING DAM - BL Width: 1 Type: Numeric
----- Dec: None Miss: 9
```

NHTSA SAS Variable - GLOCCBL

Glazing damage from occupant contact - backlight, TG/H/LG

22Sep11	Prcnt	Code	Value and Description
36	0.4	0	No glazing
3215	36.0	1	No occupant contact to glazing
0	0.0	2	Glazing contacted by occupant but no glazing damage
1	0.0	3	Glazing in place and cracked by occupant contact
0	0.0	4	Glazing in place and holed by occupant contact
0	0.0	5	Glazing out-of-place (cracked or not) by occupant contact and not holed by occupant contact
0	0.0	6	Glazing out-of-place by occupant contact and holed by occupant contact
3	0.0	7	Glazing removed prior to crash
1	0.0	8	Glazing disintegrated by occupant contact
5665	63.5	9	Unknown if contacted by occupant

```
-----
Variable 631 CONTACT GLAZING DAM - RO Width: 1 Type: Numeric
----- Dec: None Miss: 9
```

NHTSA SAS Variable - GLOCCRUF

Glazing damage from occupant damage - roof

Variable 631:CONTACT GLAZING DAM - RO (Continued)

22Sep11	Prcnt	Code	Value and Description
2483	27.8	0	No glazing
933	10.5	1	No occupant contact to glazing
0	0.0	2	Glazing contacted by occupant but no glazing damage
0	0.0	3	Glazing in place and cracked by occupant contact
0	0.0	4	Glazing in place and holed by occupant contact
0	0.0	5	Glazing out-of-place (cracked or not) by occupant contact and not holed by occupant contact
0	0.0	6	Glazing out-of-place by occupant contact and holed by occupant contact
0	0.0	7	Glazing removed prior to crash
0	0.0	8	Glazing disintegrated by occupant contact
5505	61.7	9	Unknown if contacted by occupant

 Variable 632 CONTACT GLAZING DAM - OT Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - GLOCCOTH

Glazing damage from occupant contact - other

22Sep11	Prcnt	Code	Value and Description
3367	37.7	0	No glazing
100	1.1	1	No occupant contact to glazing
0	0.0	2	Glazing contacted by occupant but no glazing damage
0	0.0	3	Glazing in place and cracked by occupant contact
0	0.0	4	Glazing in place and holed by occupant contact
0	0.0	5	Glazing out-of-place (cracked or not) by occupant contact and not holed by occupant contact
0	0.0	6	Glazing out-of-place by occupant contact and holed by occupant contact
0	0.0	7	Glazing removed prior to crash
0	0.0	8	Glazing disintegrated by occupant contact
5454	61.1	9	Unknown if contacted by occupant

 Variable 633 TYPE OF GLAZING - WS Width: 2 Type: Numeric
 ----- Dec: None Miss: 99

NHTSA SAS Variable - GLTYPWS

Type of window/windshield glazing - windshield

22Sep11	Prcnt	Code	Value and Description
0	0.0	0	No glazing contact
3368	37.8	1	AS-1 - Laminated
0	0.0	2	AS-2 - Tempered
0	0.0	3	AS-3 - Tempered-tinted (original)

Variable 633:TYPE OF GLAZING - WS (Continued)

22Sep11	Prcnt	Code	Value and Description
0	0.0	4	AS-2 - Tempered-with after market tint
0	0.0	5	AS-3 - Tempered-tinted (with additional after market tint)
0	0.0	7	Glazing removed prior to crash
0	0.0	11	AS-2 - Laminated
0	0.0	12	AS-2 - Laminated-with after market tint
0	0.0	13	AS-3 - Laminated tinted (original)
0	0.0	14	AS-3 - Laminated tinted (with additional after market tint)
0	0.0	15	AS-6 - Flexible plastic safety glazing
0	0.0	98	Other
5553	62.2	99	Unknown

```

-----
Variable 634  TYPE OF GLAZING - LF           Width: 2      Type: Numeric
-----
Dec:      None      Miss: 99
    
```

NHTSA SAS Variable - GLTYPLF

Type of window/windshield glazing - left front window

22Sep11	Prcnt	Code	Value and Description
0	0.0	0	No glazing contact
3	0.0	1	AS-1 - Laminated
2809	31.5	2	AS-2 - Tempered
28	0.3	3	AS-3 - Tempered-tinted (original)
368	4.1	4	AS-2 - Tempered-with after market tint
2	0.0	5	AS-3 - Tempered-tinted (with additional after market tint)
0	0.0	7	Glazing removed prior to crash
29	0.3	11	AS-2 - Laminated
17	0.2	12	AS-2 - Laminated-with after market tint
1	0.0	13	AS-3 - Laminated tinted (original)
0	0.0	14	AS-3 - Laminated tinted (with additional after market tint)
0	0.0	15	AS-6 - Flexible plastic safety glazing
0	0.0	98	Other
5664	63.5	99	Unknown

```

-----
Variable 635  TYPE OF GLAZING - RF           Width: 2      Type: Numeric
-----
Dec:      None      Miss: 99
    
```

NHTSA SAS Variable - GLTYPRF

Type of window/windshield glazing - right front window

Variable 635:TYPE OF GLAZING - RF (Continued)

22Sep11	Prcnt	Code	Value and Description
0	0.0	0	No glazing contact
3	0.0	1	AS-1 - Laminated
2801	31.4	2	AS-2 - Tempered
43	0.5	3	AS-3 - Tempered-tinted (original)
370	4.1	4	AS-2 - Tempered-with after market tint
2	0.0	5	AS-3 - Tempered-tinted (with additional after market tint)
0	0.0	7	Glazing removed prior to crash
26	0.3	11	AS-2 - Laminated
16	0.2	12	AS-2 - Laminated-with after market tint
0	0.0	13	AS-3 - Laminated tinted (original)
0	0.0	14	AS-3 - Laminated tinted (with additional after market tint)
0	0.0	15	AS-6 - Flexible plastic safety glazing
0	0.0	98	Other
5660	63.4	99	Unknown

 Variable 636 TYPE OF GLAZING - LR Width: 2 Type: Numeric
 ----- ----- Dec: None Miss: 99

NHTSA SAS Variable - GLTYPLR

Type of window/windshield glazing - left rear window

22Sep11	Prcnt	Code	Value and Description
104	1.2	0	No glazing contact
0	0.0	1	AS-1 - Laminated
1679	18.8	2	AS-2 - Tempered
1055	11.8	3	AS-3 - Tempered-tinted (original)
384	4.3	4	AS-2 - Tempered-with after market tint
20	0.2	5	AS-3 - Tempered-tinted (with additional after market tint)
2	0.0	7	Glazing removed prior to crash
11	0.1	11	AS-2 - Laminated
9	0.1	12	AS-2 - Laminated-with after market tint
2	0.0	13	AS-3 - Laminated tinted (original)
1	0.0	14	AS-3 - Laminated tinted (with additional after market tint)
8	0.1	15	AS-6 - Flexible plastic safety glazing
0	0.0	98	Other
5646	63.3	99	Unknown

```
-----
Variable 637  TYPE OF GLAZING - RR          Width: 2      Type: Numeric
-----
Dec:  None   Miss: 99
```

NHTSA SAS Variable - GLTYPRR

Type of window/windshield glazing - right rear window

22Sep11	Prcnt	Code	Value and Description
87	1.0	0	No glazing contact
0	0.0	1	AS-1 - Laminated
1692	19.0	2	AS-2 - Tempered
1058	11.9	3	AS-3 - Tempered-tinted (original)
386	4.3	4	AS-2 - Tempered-with after market tint
19	0.2	5	AS-3 - Tempered-tinted (with additional after market tint)
3	0.0	7	Glazing removed prior to crash
11	0.1	11	AS-2 - Laminated
9	0.1	12	AS-2 - Laminated-with after market tint
1	0.0	13	AS-3 - Laminated tinted (original)
1	0.0	14	AS-3 - Laminated tinted (with additional after market tint)
8	0.1	15	AS-6 - Flexible plastic safety glazing
0	0.0	98	Other
5646	63.3	99	Unknown

```
-----
Variable 638  TYPE OF GLAZING - BL          Width: 2      Type: Numeric
-----
Dec:  None   Miss: 99
```

NHTSA SAS Variable - GLTYPBL

Type of window/windshield glazing - backlight, TG/H/LG

22Sep11	Prcnt	Code	Value and Description
36	0.4	0	No glazing contact
0	0.0	1	AS-1 - Laminated
1709	19.2	2	AS-2 - Tempered
1079	12.1	3	AS-3 - Tempered-tinted (original)
371	4.2	4	AS-2 - Tempered-with after market tint
15	0.2	5	AS-3 - Tempered-tinted (with additional after market tint)
3	0.0	7	Glazing removed prior to crash
11	0.1	11	AS-2 - Laminated
10	0.1	12	AS-2 - Laminated-with after market tint
2	0.0	13	AS-3 - Laminated tinted (original)
0	0.0	14	AS-3 - Laminated tinted (with additional after market tint)
14	0.2	15	AS-6 - Flexible plastic safety glazing
3	0.0	98	Other
5668	63.5	99	Unknown

```
-----
Variable 639  TYPE OF GLAZING - ROOF          Width: 2      Type: Numeric
-----
Dec:      None      Miss: 99
```

NHTSA SAS Variable - GLTYPRUF

Type of window/windshield glazing - roof

22Sep11	Prcnt	Code	Value and Description
2483	27.8	0	No glazing contact
1	0.0	1	AS-1 - Laminated
23	0.3	2	AS-2 - Tempered
878	9.8	3	AS-3 - Tempered-tinted (original)
11	0.1	4	AS-2 - Tempered-with after market tint
1	0.0	5	AS-3 - Tempered-tinted (with additional after market tint)
0	0.0	7	Glazing removed prior to crash
1	0.0	11	AS-2 - Laminated
0	0.0	12	AS-2 - Laminated-with after market tint
6	0.1	13	AS-3 - Laminated tinted (original)
1	0.0	14	AS-3 - Laminated tinted (with additional after market tint)
3	0.0	15	AS-6 - Flexible plastic safety glazing
0	0.0	98	Other
5513	61.8	99	Unknown

```
-----
Variable 640  TYPE OF GLAZING - OTHER          Width: 2      Type: Numeric
-----
Dec:      None      Miss: 99
```

NHTSA SAS Variable - GLTYPOTH

Type of window/windshield glazing - other

22Sep11	Prcnt	Code	Value and Description
3367	37.7	0	No glazing contact
0	0.0	1	AS-1 - Laminated
51	0.6	2	AS-2 - Tempered
36	0.4	3	AS-3 - Tempered-tinted (original)
10	0.1	4	AS-2 - Tempered-with after market tint
1	0.0	5	AS-3 - Tempered-tinted (with additional after market tint)
0	0.0	7	Glazing removed prior to crash
1	0.0	11	AS-2 - Laminated
0	0.0	12	AS-2 - Laminated-with after market tint
0	0.0	13	AS-3 - Laminated tinted (original)
0	0.0	14	AS-3 - Laminated tinted (with additional after market tint)
0	0.0	15	AS-6 - Flexible plastic safety glazing
0	0.0	98	Other
5455	61.1	99	Unknown

Variable 641 WIN PRECRASH STAT - WS Width: 1 Type: Numeric
----- Dec: None Miss: 9

NHTSA SAS Variable - GLPREWS

Window glazing pre-crash status - windshield

22Sep11	Prcnt	Code	Value and Description
0	0.0	0	No glazing
3456	38.7	1	Fixed
0	0.0	2	Closed
0	0.0	3	Partially opened
0	0.0	4	Fully opened
0	0.0	7	Glazing removed prior to crash
5465	61.3	9	Unknown

Variable 642 WIN PRECRASH STAT - LF Width: 1 Type: Numeric
----- Dec: None Miss: 9

NHTSA SAS Variable - GLPRELF

Window glazing pre-crash status - left front window

22Sep11	Prcnt	Code	Value and Description
0	0.0	0	No glazing
5	0.1	1	Fixed
2954	33.1	2	Closed
142	1.6	3	Partially opened
176	2.0	4	Fully opened
0	0.0	7	Glazing removed prior to crash
5644	63.3	9	Unknown

Variable 643 WIN PRECRASH STAT - RF Width: 1 Type: Numeric
----- Dec: None Miss: 9

NHTSA SAS Variable - GLPRERF

Window glazing pre-crash status - right front window

22Sep11	Prcnt	Code	Value and Description
0	0.0	0	No glazing
9	0.1	1	Fixed
3107	34.8	2	Closed
103	1.2	3	Partially opened
84	0.9	4	Fully opened
0	0.0	7	Glazing removed prior to crash
5618	63.0	9	Unknown

Variable 644 WIN PRECRASH STAT - LR Width: 1 Type: Numeric
----- Dec: None Miss: 9

NHTSA SAS Variable - GLPRELR

Window glazing pre-crash status - left rear window

22Sep11	Prcnt	Code	Value and Description
104	1.2	0	No glazing
401	4.5	1	Fixed
2760	30.9	2	Closed
51	0.6	3	Partially opened
10	0.1	4	Fully opened
2	0.0	7	Glazing removed prior to crash
5593	62.7	9	Unknown

Variable 645 WIN PRECRASH STAT - RR Width: 1 Type: Numeric
----- Dec: None Miss: 9

NHTSA SAS Variable - GLPRERR

Window glazing pre-crash status - right rear window

22Sep11	Prcnt	Code	Value and Description
87	1.0	0	No glazing
417	4.7	1	Fixed
2764	31.0	2	Closed
52	0.6	3	Partially opened
12	0.1	4	Fully opened
3	0.0	7	Glazing removed prior to crash
5586	62.6	9	Unknown

Variable 646 WIN PRECRASH STAT - BL Width: 1 Type: Numeric
----- Dec: None Miss: 9

NHTSA SAS Variable - GLPREBL

Window glazing pre-crash status - backlight, TG/H/liftgate window

22Sep11	Prcnt	Code	Value and Description
36	0.4	0	No glazing
3018	33.8	1	Fixed
349	3.9	2	Closed
0	0.0	3	Partially opened
3	0.0	4	Fully opened
3	0.0	7	Glazing removed prior to crash
5512	61.8	9	Unknown

Variable 647 WIN PRECRASH STAT - RO Width: 1 Type: Numeric
----- Dec: None Miss: 9

NHTSA SAS Variable - GLPRERUF

Window glazing pre-crash status - roof

22Sep11	Prcnt	Code	Value and Description
2483	27.8	0	No glazing
38	0.4	1	Fixed
858	9.6	2	Closed
22	0.2	3	Partially opened
18	0.2	4	Fully opened
0	0.0	7	Glazing removed prior to crash
5502	61.7	9	Unknown

Variable 648 WIN PRECRASH STAT - OT Width: 1 Type: Numeric
----- Dec: None Miss: 9

NHTSA SAS Variable - GLPREOTH

Window glazing pre-crash status - other

22Sep11	Prcnt	Code	Value and Description
3367	37.7	0	No glazing
92	1.0	1	Fixed
11	0.1	2	Closed
0	0.0	3	Partially opened
0	0.0	4	Fully opened
0	0.0	7	Glazing removed prior to crash
5451	61.1	9	Unknown

```

+-----+
|                                     |
|               The INTERIOR DAMAGE "B" Variables               |
|                                     |
| Variables 701 through 753 describe interior damage to       |
| vehicles involved in the crash.  Additional interior damage  |
| information is documented in Variables 601 - 648.             |
|                                     |
+-----+
    
```

```

-----
Variable 701  PSU NUMBER                               Width: 2      Type: Numeric
-----
Dec:         None  Miss: None
    
```

NHTSA SAS Variable - PSU

```

22Sep11 Prcnt  Code Value and Description
    261    2.9    2
                -  PSU Number
    344    3.9    82
    
```

```

-----
Variable 702  CASE NUMBER                               Width: 4      Type: Alphabetic
-----
Dec:         None  Miss: None
    
```

NHTSA SAS Variable - CASEID

```

-----
Variable 703  RECORD NUMBER                             Width: 2      Type: Numeric
-----
Dec:         None  Miss: None
    
```

NHTSA SAS Variables Casekey 4 and Casekey 5

```

22Sep11 Prcnt  Code Value and Description
    5446  61.0    0  Filler - No damage record for this vehicle.
    3475  39.0    8  Interior Damage "B" record
    
```

```

-----
Variable 704  VERSION NUMBER                             Width: 2      Type: Numeric
-----
Dec:         None  Miss: None
    
```

NHTSA SAS Variable - VERSION

```

22Sep11 Prcnt  Code Value and Description
    8921 100.0   23  Version 23
    
```

```
-----
Variable 705  VEHICLE NUMBER           Width: 2      Type: Numeric
-----
Dec:      None  Miss: None
```

NHTSA SAS Variable - VEHNO

22Sep11	Prcnt	Code	Value and Description
4856	54.4	1	Vehicle #1
3288	36.9	2	Vehicle #2
619	6.9	3	Vehicle #3
132	1.5	4	Vehicle #4
20	0.2	5	Vehicle #5
4	0.0	6	Vehicle #6
2	0.0	7	Vehicle #7

```
-----
Variable 706  INTRUSION LOCATION (1)           Width: 2      Type: Numeric
-----
Dec:      None  Miss: 99
```

NHTSA SAS Variable - INLOC1

22Sep11	Prcnt	Code	Value and Description
329	3.7	11	Front row - left
56	0.6	12	Front row - middle
257	2.9	13	Front row - right
118	1.3	21	Second row - left
24	0.3	22	Second row - middle
91	1.0	23	Second row - right
6	0.1	31	Third row - left
2	0.0	32	Third row - middle
7	0.1	33	Third row - right
0	0.0	41	Fourth row - left
0	0.0	42	Fourth row - middle
0	0.0	43	Fourth row - right
21	0.2	88	Multiple / other severe intrusions
2400	26.9	96	No intrusion
0	0.0	97	Catastrophic
32	0.4	98	Other enclosed area
5578	62.5	99	Unknown/No record

```
-----
Variable 707  INTRUDING COMPONENT (1)       Width: 2      Type: Numeric
-----
Dec:      None  Miss: 99
```

NHTSA SAS Variable - INCOMP1

22Sep11	Prcnt	Code	Value and Description
Interior components			
6	0.1	1	Steering assembly
28	0.3	2	Instrument panel left
10	0.1	3	Instrument panel center
17	0.2	4	Instrument panel right

Variable 707:INTRUDING COMPONENT (1) (Continued)

22Sep11	Prcnt	Code	Value and Description
66	0.7	5	Toe pan
31	0.3	6	A-pillar (A1/A2)
36	0.4	7	B-pillar
12	0.1	8	C-pillar
9	0.1	9	D-pillar
38	0.4	10	Side panel - forward of A-pillar (A1/A2)
16	0.2	12	Side panel - rear of A-pillar (A1/A2)
94	1.1	13	Roof or convertible top
32	0.4	14	Roof side rail
60	0.7	15	Windshield
46	0.5	16	Windshield header
11	0.1	17	Window frame
58	0.7	18	Floor pan (includes sill)
13	0.1	19	Backlight header
35	0.4	20	Front seat back
36	0.4	21	Second seat back
1	0.0	22	Third seat back
0	0.0	23	Fourth seat back
0	0.0	24	Fifth seat back
5	0.1	25	Seat cushion
20	0.2	26	Back door/panel (e.g. tailgate)
26	0.3	27	Other interior component
			Exterior components
2	0.0	30	Hood
2	0.0	31	Outside surface of this vehicle
8	0.1	32	Other exterior object in the environment
0	0.0	33	Unknown exterior object
			Interior components (continued)
0	0.0	34	Grab Handles
32	0.4	35	Door/forward upper quadrant
68	0.8	36	Door/forward lower quadrant
37	0.4	37	Door/rear upper quadrant
51	0.6	38	Door/rear lower quadrant
15	0.2	41	Door/undetermined location
2400	26.9	88	No intrusion
21	0.2	96	Multiple / other severe intrusions
0	0.0	97	Catastrophic
1	0.0	98	Intrusion of exterior unlisted component(s)
5578	62.5	99	Unknown/No record

 Variable 708 INTRUSION MAGNITUDE (1) Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - INMAG1

Magnitude of intrusion (1)

Variable 708:INTRUSION MAGNITUDE (1) (Continued)

22Sep11 Prcnt Code Value and Description

2400	26.9	0	No intrusion
203	2.3	1	>= 3 centimeters but < 8 centimeters
254	2.8	2	>= 8 centimeters but < 15 centimeters
267	3.0	3	>= 15 centimeters but < 30 centimeters
127	1.4	4	>= 30 centimeters but < 46 centimeters
53	0.6	5	>= 46 centimeters but < 61 centimeters
18	0.2	6	>= 61 centimeters
0	0.0	7	Catastrophic
21	0.2	8	Multiple / other severe intrusions
5578	62.5	9	Unknown/No record

 Variable 709 CRUSH DIRECTION (1) Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - CDRIR1

Dominant crush direction (1)

22Sep11 Prcnt Code Value and Description

226	2.5	1	Vertical
278	3.1	2	Longitudinal
418	4.7	3	Lateral
2400	26.9	6	No intrusion
0	0.0	7	Catastrophic
21	0.2	8	Multiple / other severe intrusions
5578	62.5	9	Unknown/No record

 Variable 710 INTRUSION LOCATION (2) Width: 2 Type: Numeric
 ----- Dec: None Miss: 99

NHTSA SAS Variable - INLOC2

22Sep11 Prcnt Code Value and Description

252	2.8	11	Front row - left
74	0.8	12	Front row - middle
218	2.4	13	Front row - right
95	1.1	21	Second row - left
29	0.3	22	Second row - middle
77	0.9	23	Second row - right
7	0.1	31	Third row - left
2	0.0	32	Third row - middle
4	0.0	33	Third row - right
0	0.0	41	Fourth row - left
0	0.0	42	Fourth row - middle
1	0.0	43	Fourth row - right
0	0.0	88	Multiple / other severe intrusions

Variable 710:INTRUSION LOCATION (2) (Continued)

22Sep11	Prcnt	Code	Value and Description
2687	30.1	96	No intrusion
18	0.2	98	Other enclosed area
5457	61.2	99	Unknown/No record

 Variable 711 INTRUDING COMPONENT (2) Width: 2 Type: Numeric
 ----- ----- Dec: None Miss: 99

NHTSA SAS Variable - INCOMP2

22Sep11	Prcnt	Code	Value and Description
Interior components			
5	0.1	1	Steering assembly
27	0.3	2	Instrument panel left
12	0.1	3	Instrument panel center
13	0.1	4	Instrument panel right
36	0.4	5	Toe pan
30	0.3	6	A-pillar (A1/A2)
59	0.7	7	B-pillar
21	0.2	8	C-pillar
6	0.1	9	D-pillar
31	0.3	10	Side panel - forward of A-pillar (A1/A2)
8	0.1	12	Side panel - rear of A-pillar (A1/A2)
92	1.0	13	Roof (or convertible top)
41	0.5	14	Roof side rail
52	0.6	15	Windshield
41	0.5	16	Windshield header
10	0.1	17	Window frame
59	0.7	18	Floor pan (includes sill)
11	0.1	19	Backlight header
16	0.2	20	Front seat back
40	0.4	21	Second seat back
2	0.0	22	Third seat back
0	0.0	23	Fourth seat back
0	0.0	24	Fifth seat back
11	0.1	25	Seat cushion
8	0.1	26	Back door/panel (e.g. tailgate)
16	0.2	27	Other interior component
Exterior components			
3	0.0	30	Hood
4	0.0	31	Outside surface of this vehicle
7	0.1	32	Other exterior object in the environment
0	0.0	33	Unknown exterior object
Interior components (continued)			
0	0.0	34	Grab Handles
14	0.2	35	Door/forward upper quadrant
48	0.5	36	Door/forward lower quadrant
22	0.2	37	Door/rear upper quadrant

Variable 711:INTRUDING COMPONENT (2) (Continued)

22Sep11	Prcnt	Code	Value and Description
24	0.3	38	Door/rear lower quadrant
8	0.1	41	Door/undetermined location
2687	30.1	88	No intrusion
0	0.0	96	Multiple / other severe intrusions
0	0.0	98	Intrusion of unlisted component(s)
5457	61.2	99	Unknown/No record

 Variable 712 INTRUSION MAGNITUDE (2) Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - INMAG2

Magnitude of intrusion (2)

22Sep11	Prcnt	Code	Value and Description
2687	30.1	0	No intrusion
212	2.4	1	>= 3 centimeters but < 8 centimeters
209	2.3	2	>= 8 centimeters but < 15 centimeters
210	2.4	3	>= 15 centimeters but < 30 centimeters
95	1.1	4	>= 30 centimeters but < 46 centimeters
40	0.4	5	>= 46 centimeters but < 61 centimeters
11	0.1	6	>= 61 centimeters
0	0.0	7	Catastrophic
0	0.0	8	Multiple / other severe intrusions
5457	61.2	9	Unknown/No record

 Variable 713 CRUSH DIRECTION (2) Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - CDRIR2

Dominant crush direction (2)

22Sep11	Prcnt	Code	Value and Description
214	2.4	1	Vertical
206	2.3	2	Longitudinal
357	4.0	3	Lateral
2687	30.1	6	No intrusion
0	0.0	8	Multiple / other severe intrusions
5457	61.2	9	Unknown/No record

 Variable 714 INTRUSION LOCATION (3) Width: 2 Type: Numeric
 ----- Dec: None Miss: 99

NHTSA SAS Variable - INLOC3

22Sep11	Prcnt	Code	Value and Description
215	2.4	11	Front row - left
69	0.8	12	Front row - middle
180	2.0	13	Front row - right
71	0.8	21	Second row - left
13	0.1	22	Second row - middle
73	0.8	23	Second row - right
3	0.0	31	Third row - left
3	0.0	32	Third row - middle
5	0.1	33	Third row - right
0	0.0	41	Fourth row - left
0	0.0	42	Fourth row - middle
0	0.0	43	Fourth row - right
0	0.0	88	Multiple / other severe intrusions
2830	31.7	96	No intrusion
11	0.1	98	Other enclosed area
5448	61.1	99	Unknown/No record

 Variable 715 INTRUDING COMPONENT (3) Width: 2 Type: Numeric
 ----- Dec: None Miss: 99

NHTSA SAS Variable - INCOMP3

22Sep11	Prcnt	Code	Value and Description
Interior components			
8	0.1	1	Steering assembly
22	0.2	2	Instrument panel left
11	0.1	3	Instrument panel center
13	0.1	4	Instrument panel right
15	0.2	5	Toe pan
37	0.4	6	A-pillar (A1/A2)
67	0.8	7	B-pillar
14	0.2	8	C-pillar
3	0.0	9	D-pillar
22	0.2	10	Side panel - forward of A-pillar (A1/A2)
6	0.1	12	Side panel - rear of A-pillar (A1/A2)
64	0.7	13	Roof (or convertible top)
49	0.5	14	Roof side rail
42	0.5	15	Windshield
56	0.6	16	Windshield header
5	0.1	17	Window frame
49	0.5	18	Floor pan (includes sill)
16	0.2	19	Backlight header
9	0.1	20	Front seat back
25	0.3	21	Second seat back
3	0.0	22	Third seat back
0	0.0	23	Fourth seat back

Variable 715:INTRUDING COMPONENT (3) (Continued)

22Sep11	Prcnt	Code	Value and Description
		24	Fifth seat back
11	0.1	25	Seat cushion
8	0.1	26	Back door/panel (e.g. tailgate)
9	0.1	27	Other interior component
Exterior components			
1	0.0	30	Hood
2	0.0	31	Outside surface of this vehicle
4	0.0	32	Other exterior object in the environment
0	0.0	33	Unknown exterior object
Interior components (continued)			
0	0.0	34	Grab Handles
17	0.2	35	Door/forward upper quadrant
19	0.2	36	Door/forward lower quadrant
10	0.1	37	Door/rear upper quadrant
20	0.2	38	Door/rear lower quadrant
6	0.1	41	Door/undetermined location
2830	31.7	88	No intrusion
0	0.0	96	Multiple / other severe intrusions
0	0.0	98	Intrusion of unlisted component(s)
5448	61.1	99	Unknown/No record

 Variable 716 INTRUSION MAGNITUDE (3) Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - INMAG3

Magnitude of intrusion (3)

22Sep11	Prcnt	Code	Value and Description
2830	31.7	0	No intrusion
187	2.1	1	>= 3 centimeters but < 8 centimeters
174	2.0	2	>= 8 centimeters but < 15 centimeters
184	2.1	3	>= 15 centimeters but < 30 centimeters
63	0.7	4	>= 30 centimeters but < 46 centimeters
26	0.3	5	>= 46 centimeters but < 61 centimeters
9	0.1	6	>= 61 centimeters
0	0.0	7	Catastrophic
0	0.0	8	Multiple / other severe intrusions
5448	61.1	9	Unknown/No record

```
-----
Variable 717  CRUSH DIRECTION (3)          Width: 1      Type: Numeric
-----
Dec:      None      Miss: 9
```

NHTSA SAS Variable - CDRIR3

Dominant crush direction (3)

22Sep11	Prcnt	Code	Value and Description
199	2.2	1	Vertical
153	1.7	2	Longitudinal
291	3.3	3	Lateral
2830	31.7	6	No intrusion
0	0.0	8	Multiple / other severe intrusions
5448	61.1	9	Unknown/No record

```
-----
Variable 718  INTRUSION LOCATION (4)       Width: 2      Type: Numeric
-----
Dec:      None      Miss: 99
```

NHTSA SAS Variable - INLOC4

22Sep11	Prcnt	Code	Value and Description
178	2.0	11	Front row - left
62	0.7	12	Front row - middle
141	1.6	13	Front row - right
56	0.6	21	Second row - left
21	0.2	22	Second row - middle
56	0.6	23	Second row - right
2	0.0	31	Third row - left
1	0.0	32	Third row - middle
4	0.0	33	Third row - right
0	0.0	41	Fourth row - left
0	0.0	42	Fourth row - middle
0	0.0	43	Fourth row - right
0	0.0	88	Multiple / other severe intrusions
2940	33.0	96	No intrusion
6	0.1	98	Other enclosed area
5454	61.1	99	Unknown/No record

```
-----
Variable 719  INTRUDING COMPONENT (4)       Width: 2      Type: Numeric
-----
Dec:      None      Miss: 99
```

NHTSA SAS Variable - INCOMP4

22Sep11	Prcnt	Code	Value and Description
Interior components			
3	0.0	1	Steering assembly
13	0.1	2	Instrument panel left
11	0.1	3	Instrument panel center
14	0.2	4	Instrument panel right

Variable 719:INTRUDING COMPONENT (4) (Continued)

22Sep11	Prcnt	Code	Value and Description
16	0.2	5	Toe pan
38	0.4	6	A-pillar (A1/A2)
30	0.3	7	B-pillar
13	0.1	8	C-pillar
1	0.0	9	D-pillar
9	0.1	10	Side panel - forward of A-pillar (A1/A2)
3	0.0	12	Side panel - rear of A-pillar (A1/A2)
86	1.0	13	Roof (or convertible top)
52	0.6	14	Roof side rail
22	0.2	15	Windshield
43	0.5	16	Windshield header
7	0.1	17	Window frame
50	0.6	18	Floor pan (includes sill)
8	0.1	19	Backlight header
12	0.1	20	Front seat back
13	0.1	21	Second seat back
1	0.0	22	Third seat back
0	0.0	23	Fourth seat back
0	0.0	24	Fifth seat back
13	0.1	25	Seat cushion
4	0.0	26	Back door/panel (e.g. tailgate)
7	0.1	27	Other interior component
Exterior components			
2	0.0	30	Hood
2	0.0	31	Outside surface of this vehicle
3	0.0	32	Other exterior object in the environment
0	0.0	33	Unknown exterior object
Interior components (continued)			
0	0.0	34	Grab Handles
9	0.1	35	Door/forward upper quadrant
14	0.2	36	Door/forward lower quadrant
10	0.1	37	Door/rear upper quadrant
14	0.2	38	Door/rear lower quadrant
4	0.0	41	Door/undetermined location
2940	33.0	88	No intrusion
0	0.0	96	Multiple / other severe intrusions
0	0.0	98	Intrusion of unlisted component(s)
5454	61.1	99	Unknown/No record

 Variable 720 INTRUSION MAGNITUDE (4) Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - INMAG4

Magnitude of intrusion (4)

Variable 720:INTRUSION MAGNITUDE (4) (Continued)

22Sep11 Prcnt Code Value and Description

2940	33.0	0	No intrusion
154	1.7	1	>= 3 centimeters but < 8 centimeters
153	1.7	2	>= 8 centimeters but < 15 centimeters
143	1.6	3	>= 15 centimeters but < 30 centimeters
54	0.6	4	>= 30 centimeters but < 46 centimeters
15	0.2	5	>= 46 centimeters but < 61 centimeters
8	0.1	6	>= 61 centimeters
0	0.0	7	Catastrophic
0	0.0	8	Multiple / other severe intrusions
5454	61.1	9	Unknown/No record

 Variable 721 CRUSH DIRECTION (4) Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - CDRIR4

Dominant crush direction (4)

22Sep11 Prcnt Code Value and Description

190	2.1	1	Vertical
113	1.3	2	Longitudinal
224	2.5	3	Lateral
2940	33.0	6	No intrusion
0	0.0	8	Multiple / other severe intrusions
5454	61.1	9	Unknown/No record

 Variable 722 INTRUSION LOCATION (5) Width: 2 Type: Numeric
 ----- Dec: None Miss: 99

NHTSA SAS Variable - INLOC5

22Sep11 Prcnt Code Value and Description

144	1.6	11	Front row - left
72	0.8	12	Front row - middle
124	1.4	13	Front row - right
39	0.4	21	Second row - left
20	0.2	22	Second row - middle
51	0.6	23	Second row - right
2	0.0	31	Third row - left
3	0.0	32	Third row - middle
4	0.0	33	Third row - right
0	0.0	41	Fourth row - left
0	0.0	42	Fourth row - middle
0	0.0	43	Fourth row - right
0	0.0	88	Multiple / other severe intrusions
3007	33.7	96	No intrusion

Variable 722:INTRUSION LOCATION (5) (Continued)

22Sep11 Prcnt Code Value and Description

3 0.0 98 Other enclosed area
 5452 61.1 99 Unknown/No record

 Variable 723 INTRUDING COMPONENT (5) Width: 2 Type: Numeric
 ----- Dec: None Miss: 99

NHTSA SAS Variable - INCOMP5

22Sep11 Prcnt Code Value and Description

Interior components

6	0.1	1	Steering assembly
16	0.2	2	Instrument panel left
13	0.1	3	Instrument panel center
8	0.1	4	Instrument panel right
6	0.1	5	Toe pan
30	0.3	6	A-pillar (A1/A2)
30	0.3	7	B-pillar
11	0.1	8	C-pillar
3	0.0	9	D-pillar
13	0.1	10	Side panel - forward of A-pillar (A1/A2)
1	0.0	12	Side panel - rear of A-pillar (A1/A2)
79	0.9	13	Roof (or convertible top)
35	0.4	14	Roof side rail
30	0.3	15	Windshield
50	0.6	16	Windshield header
4	0.0	17	Window frame
39	0.4	18	Floor pan (includes sill)
8	0.1	19	Backlight header
12	0.1	20	Front seat back
15	0.2	21	Second seat back
1	0.0	22	Third seat back
0	0.0	23	Fourth seat back
0	0.0	24	Fifth seat back
15	0.2	25	Seat cushion
2	0.0	26	Back door/panel (e.g. tailgate)
7	0.1	27	Other interior component

Exterior components

3	0.0	30	Hood
2	0.0	31	Outside surface of this vehicle
0	0.0	32	Other exterior object in the environment
0	0.0	33	Unknown exterior object

Interior components (continued)

0	0.0	34	Grab Handles
2	0.0	35	Door/forward upper quadrant
7	0.1	36	Door/forward lower quadrant
3	0.0	37	Door/rear upper quadrant
9	0.1	38	Door/rear lower quadrant

Variable 723:INTRUDING COMPONENT (5) (Continued)

22Sep11	Prcnt	Code	Value and Description
2	0.0	41	Door/undetermined location
3007	33.7	88	No intrusion
0	0.0	96	Multiple / other severe intrusions
0	0.0	98	Intrusion of unlisted component(s)
5452	61.1	99	Unknown/No record

 Variable 724 INTRUSION MAGNITUDE (5) Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - INMAG5

Magnitude of intrusion (5)

22Sep11	Prcnt	Code	Value and Description
3007	33.7	0	No intrusion
149	1.7	1	>= 3 centimeters but < 8 centimeters
144	1.6	2	>= 8 centimeters but < 15 centimeters
108	1.2	3	>= 15 centimeters but < 30 centimeters
44	0.5	4	>= 30 centimeters but < 46 centimeters
14	0.2	5	>= 46 centimeters but < 61 centimeters
3	0.0	6	>= 61 centimeters
0	0.0	7	Catastrophic
0	0.0	8	Multiple / other severe intrusions
5452	61.1	9	Unknown/No record

 Variable 725 CRUSH DIRECTION (5) Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - CDRIR5

Dominant crush direction (5)

22Sep11	Prcnt	Code	Value and Description
185	2.1	1	Vertical
106	1.2	2	Longitudinal
171	1.9	3	Lateral
3007	33.7	6	No intrusion
0	0.0	8	Multiple / other severe intrusions
5452	61.1	9	Unknown/No record

```
-----
Variable 726  INTRUSION LOCATION (6)      Width: 2      Type: Numeric
-----
Dec:      None  Miss: 99
```

NHTSA SAS Variable - INLOC6

22Sep11	Prcnt	Code	Value and Description
104	1.2	11	Front row - left
41	0.5	12	Front row - middle
105	1.2	13	Front row - right
44	0.5	21	Second row - left
17	0.2	22	Second row - middle
63	0.7	23	Second row - right
3	0.0	31	Third row - left
1	0.0	32	Third row - middle
4	0.0	33	Third row - right
0	0.0	41	Fourth row - left
0	0.0	42	Fourth row - middle
0	0.0	43	Fourth row - right
0	0.0	88	Multiple / other severe intrusions
3081	34.5	96	No intrusion
7	0.1	98	Other enclosed area
5451	61.1	99	Unknown/No record

```
-----
Variable 727  INTRUDING COMPONENT (6)      Width: 2      Type: Numeric
-----
Dec:      None  Miss: 99
```

NHTSA SAS Variable - INCOMP6

22Sep11	Prcnt	Code	Value and Description
Interior components			
6	0.1	1	Steering assembly
7	0.1	2	Instrument panel left
5	0.1	3	Instrument panel center
11	0.1	4	Instrument panel right
8	0.1	5	Toe pan
35	0.4	6	A-pillar (A1/A2)
23	0.3	7	B-pillar
6	0.1	8	C-pillar
3	0.0	9	D-pillar
5	0.1	10	Side panel - forward of A-pillar (A1/A2)
2	0.0	12	Side panel - rear of A-pillar (A1/A2)
73	0.8	13	Roof (or convertible top)
52	0.6	14	Roof side rail
14	0.2	15	Windshield
41	0.5	16	Windshield header
7	0.1	17	Window frame
18	0.2	18	Floor pan (includes sill)
11	0.1	19	Backlight header
12	0.1	20	Front seat back
10	0.1	21	Second seat back
1	0.0	22	Third seat back
0	0.0	23	Fourth seat back

Variable 727:INTRUDING COMPONENT (6) (Continued)

22Sep11	Prcnt	Code	Value and Description
		24	Fifth seat back
10	0.1	25	Seat cushion
3	0.0	26	Back door/panel (e.g. tailgate)
3	0.0	27	Other interior component
Exterior components			
1	0.0	30	Hood
1	0.0	31	Outside surface of this vehicle
0	0.0	32	Other exterior object in the environment
0	0.0	33	Unknown exterior object
Interior components (continued)			
0	0.0	34	Grab Handles
6	0.1	35	Door/forward upper quadrant
6	0.1	36	Door/forward lower quadrant
5	0.1	37	Door/rear upper quadrant
1	0.0	38	Door/rear lower quadrant
2	0.0	41	Door/undetermined location
3081	34.5	88	No intrusion
0	0.0	96	Multiple / other severe intrusions
1	0.0	98	Intrusion of unlisted component(s)
5451	61.1	99	Unknown/No record

 Variable 728 INTRUSION MAGNITUDE (6) Width: 1 Type: Numeric
 ----- ----- Dec: None Miss: 9

NHTSA SAS Variable - INMAG6

Magnitude of intrusion (6)

22Sep11	Prcnt	Code	Value and Description
3081	34.5	0	No intrusion
129	1.4	1	>= 3 centimeters but < 8 centimeters
123	1.4	2	>= 8 centimeters but < 15 centimeters
89	1.0	3	>= 15 centimeters but < 30 centimeters
37	0.4	4	>= 30 centimeters but < 46 centimeters
8	0.1	5	>= 46 centimeters but < 61 centimeters
3	0.0	6	>= 61 centimeters
0	0.0	7	Catastrophic
0	0.0	8	Multiple / other severe intrusions
5451	61.1	9	Unknown/No record

 Variable 729 CRUSH DIRECTION (6) Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - CDRIR6

Dominant crush direction (6)

22Sep11	Prcnt	Code	Value and Description
161	1.8	1	Vertical
81	0.9	2	Longitudinal
147	1.6	3	Lateral
3081	34.5	6	No intrusion
0	0.0	8	Multiple / other severe intrusions
5451	61.1	9	Unknown/No record

 Variable 730 INTRUSION LOCATION (7) Width: 2 Type: Numeric
 ----- Dec: None Miss: 99

NHTSA SAS Variable - INLOC7

22Sep11	Prcnt	Code	Value and Description
89	1.0	11	Front row - left
46	0.5	12	Front row - middle
81	0.9	13	Front row - right
49	0.5	21	Second row - left
16	0.2	22	Second row - middle
40	0.4	23	Second row - right
1	0.0	31	Third row - left
0	0.0	32	Third row - middle
2	0.0	33	Third row - right
0	0.0	41	Fourth row - left
0	0.0	42	Fourth row - middle
0	0.0	43	Fourth row - right
0	0.0	88	Multiple / other severe intrusions
3144	35.2	96	No intrusion
0	0.0	98	Other enclosed area
5453	61.1	99	Unknown/No record

 Variable 731 INTRUDING COMPONENT (7) Width: 2 Type: Numeric
 ----- Dec: None Miss: 99

NHTSA SAS Variable - INCOMP7

22Sep11	Prcnt	Code	Value and Description
Interior components			
4	0.0	1	Steering assembly
1	0.0	2	Instrument panel left
5	0.1	3	Instrument panel center
1	0.0	4	Instrument panel right

Variable 732:INTRUSION MAGNITUDE (7) (Continued)

22Sep11 Prcnt Code Value and Description

3144	35.2	0	No intrusion
115	1.3	1	>= 3 centimeters but < 8 centimeters
103	1.2	2	>= 8 centimeters but < 15 centimeters
72	0.8	3	>= 15 centimeters but < 30 centimeters
29	0.3	4	>= 30 centimeters but < 46 centimeters
3	0.0	5	>= 46 centimeters but < 61 centimeters
2	0.0	6	>= 61 centimeters
0	0.0	7	Catastrophic
0	0.0	8	Multiple / other severe intrusions
5453	61.1	9	Unknown/No record

 Variable 733 CRUSH DIRECTION (7) Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - CDRIR7

Dominant crush direction (7)

22Sep11 Prcnt Code Value and Description

149	1.7	1	Vertical
53	0.6	2	Longitudinal
122	1.4	3	Lateral
3144	35.2	6	No intrusion
0	0.0	8	Multiple / other severe intrusions
5453	61.1	9	Unknown/No record

 Variable 734 INTRUSION LOCATION (8) Width: 2 Type: Numeric
 ----- Dec: None Miss: 99

NHTSA SAS Variable - INLOC8

22Sep11 Prcnt Code Value and Description

77	0.9	11	Front row - left
42	0.5	12	Front row - middle
73	0.8	13	Front row - right
24	0.3	21	Second row - left
17	0.2	22	Second row - middle
39	0.4	23	Second row - right
1	0.0	31	Third row - left
1	0.0	32	Third row - middle
1	0.0	33	Third row - right
0	0.0	41	Fourth row - left
0	0.0	42	Fourth row - middle
0	0.0	43	Fourth row - right
0	0.0	88	Multiple / other severe intrusions
3193	35.8	96	No intrusion

Variable 734:INTRUSION LOCATION (8) (Continued)

22Sep11 Prcnt Code Value and Description

2 0.0 98 Other enclosed area
 5451 61.1 99 Unknown/No record

 Variable 735 INTRUDING COMPONENT (8) Width: 2 Type: Numeric
 ----- Dec: None Miss: 99

NHTSA SAS Variable - INCOMP8

22Sep11 Prcnt Code Value and Description

Interior components

1	0.0	1	Steering assembly
8	0.1	2	Instrument panel left
2	0.0	3	Instrument panel center
4	0.0	4	Instrument panel right
1	0.0	5	Toe pan
24	0.3	6	A-pillar (A1/A2)
13	0.1	7	B-pillar
9	0.1	8	C-pillar
0	0.0	9	D-pillar
3	0.0	10	Side panel - forward of A-pillar (A1/A2)
1	0.0	12	Side panel - rear of A-pillar (A1/A2)
47	0.5	13	Roof (or convertible top)
35	0.4	14	Roof side rail
17	0.2	15	Windshield
36	0.4	16	Windshield header
4	0.0	17	Window frame
13	0.1	18	Floor pan (includes sill)
11	0.1	19	Backlight header
13	0.1	20	Front seat back
6	0.1	21	Second seat back
0	0.0	22	Third seat back
0	0.0	23	Fourth seat back
0	0.0	24	Fifth seat back
7	0.1	25	Seat cushion
0	0.0	26	Back door/panel (e.g. tailgate)
3	0.0	27	Other interior component

Exterior components

0	0.0	30	Hood
0	0.0	31	Outside surface of this vehicle
0	0.0	32	Other exterior object in the environment
0	0.0	33	Unknown exterior object

Interior components (continued)

0	0.0	34	Grab Handles
3	0.0	35	Door/forward upper quadrant
5	0.1	36	Door/forward lower quadrant
5	0.1	37	Door/rear upper quadrant
4	0.0	38	Door/rear lower quadrant

Variable 735:INTRUDING COMPONENT (8) (Continued)

22Sep11	Prcnt	Code	Value and Description
0	0.0	41	Door/undetermined location
3193	35.8	88	No intrusion
0	0.0	96	Multiple / other severe intrusions
2	0.0	98	Intrusion of unlisted component(s)
5451	61.1	99	Unknown/No record

 Variable 736 INTRUSION MAGNITUDE (8) Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - INMAG8

Magnitude of intrusion (8)

22Sep11	Prcnt	Code	Value and Description
3193	35.8	0	No intrusion
109	1.2	1	>= 3 centimeters but < 8 centimeters
78	0.9	2	>= 8 centimeters but < 15 centimeters
66	0.7	3	>= 15 centimeters but < 30 centimeters
20	0.2	4	>= 30 centimeters but < 46 centimeters
2	0.0	5	>= 46 centimeters but < 61 centimeters
2	0.0	6	>= 61 centimeters
0	0.0	7	Catastrophic
0	0.0	8	Multiple / other severe intrusions
5451	61.1	9	Unknown/No record

 Variable 737 CRUSH DIRECTION (8) Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - CDRIR8

Dominant crush direction (8)

22Sep11	Prcnt	Code	Value and Description
124	1.4	1	Vertical
46	0.5	2	Longitudinal
107	1.2	3	Lateral
3193	35.8	6	No intrusion
0	0.0	8	Multiple / other severe intrusions
5451	61.1	9	Unknown/No record

 Variable 738 INTRUSION LOCATION (9) Width: 2 Type: Numeric
 ----- Dec: None Miss: 99

NHTSA SAS Variable - INLOC9

22Sep11	Prcnt	Code	Value and Description
64	0.7	11	Front row - left
37	0.4	12	Front row - middle
61	0.7	13	Front row - right
25	0.3	21	Second row - left
14	0.2	22	Second row - middle
31	0.3	23	Second row - right
1	0.0	31	Third row - left
0	0.0	32	Third row - middle
1	0.0	33	Third row - right
0	0.0	41	Fourth row - left
0	0.0	42	Fourth row - middle
0	0.0	43	Fourth row - right
0	0.0	88	Multiple / other severe intrusions
3235	36.3	96	No intrusion
2	0.0	98	Other enclosed area
5450	61.1	99	Unknown/No record

 Variable 739 INTRUDING COMPONENT (9) Width: 2 Type: Numeric
 ----- Dec: None Miss: 99

NHTSA SAS Variable - INCOMP9

22Sep11	Prcnt	Code	Value and Description
Interior components			
1	0.0	1	Steering assembly
4	0.0	2	Instrument panel left
6	0.1	3	Instrument panel center
1	0.0	4	Instrument panel right
4	0.0	5	Toe pan
12	0.1	6	A-pillar (A1/A2)
10	0.1	7	B-pillar
5	0.1	8	C-pillar
0	0.0	9	D-pillar
2	0.0	10	Side panel - forward of A-pillar (A1/A2)
0	0.0	12	Side panel - rear of A-pillar (A1/A2)
48	0.5	13	Roof (or convertible top)
37	0.4	14	Roof side rail
14	0.2	15	Windshield
29	0.3	16	Windshield header
3	0.0	17	Window frame
15	0.2	18	Floor pan (includes sill)
10	0.1	19	Backlight header
6	0.1	20	Front seat back
7	0.1	21	Second seat back
0	0.0	22	Third seat back
0	0.0	23	Fourth seat back

Variable 739:INTRUDING COMPONENT (9) (Continued)

22Sep11	Prcnt	Code	Value and Description
0	0.0	24	Fifth seat back
7	0.1	25	Seat cushion
0	0.0	26	Back door/panel (e.g. tailgate)
6	0.1	27	Other interior component
Exterior components			
0	0.0	30	Hood
0	0.0	31	Outside surface of this vehicle
0	0.0	32	Other exterior object in the environment
0	0.0	33	Unknown exterior object
Interior components (continued)			
0	0.0	34	Grab Handles
1	0.0	35	Door/forward upper quadrant
3	0.0	36	Door/forward lower quadrant
2	0.0	37	Door/rear upper quadrant
2	0.0	38	Door/rear lower quadrant
0	0.0	41	Door/undetermined location
3235	36.3	88	No intrusion
0	0.0	96	Multiple / other severe intrusions
1	0.0	98	Intrusion of unlisted component(s)
5450	61.1	99	Unknown/No record

 Variable 740 INTRUSION MAGNITUDE (9) Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - INMAG9

Magnitude of intrusion (9)

22Sep11	Prcnt	Code	Value and Description
3235	36.3	0	No intrusion
90	1.0	1	>= 3 centimeters but < 8 centimeters
76	0.9	2	>= 8 centimeters but < 15 centimeters
53	0.6	3	>= 15 centimeters but < 30 centimeters
13	0.1	4	>= 30 centimeters but < 46 centimeters
2	0.0	5	>= 46 centimeters but < 61 centimeters
2	0.0	6	>= 61 centimeters
0	0.0	7	Catastrophic
0	0.0	8	Multiple / other severe intrusions
5450	61.1	9	Unknown/No record

```
-----
Variable 741  CRUSH DIRECTION (9)          Width: 1      Type: Numeric
-----
Dec:      None      Miss: 9
```

NHTSA SAS Variable - CDRIR9

Dominant crush direction (9)

22Sep11	Prcnt	Code	Value and Description
117	1.3	1	Vertical
34	0.4	2	Longitudinal
85	1.0	3	Lateral
3235	36.3	6	No intrusion
0	0.0	8	Multiple / other severe intrusions
5450	61.1	9	Unknown/No record

```
-----
Variable 742  INTRUSION LOCATION (10)       Width: 2      Type: Numeric
-----
Dec:      None      Miss: 99
```

NHTSA SAS Variable - INLOC10

22Sep11	Prcnt	Code	Value and Description
49	0.5	11	Front row - left
28	0.3	12	Front row - middle
47	0.5	13	Front row - right
34	0.4	21	Second row - left
13	0.1	22	Second row - middle
23	0.3	23	Second row - right
0	0.0	31	Third row - left
0	0.0	32	Third row - middle
3	0.0	33	Third row - right
0	0.0	41	Fourth row - left
0	0.0	42	Fourth row - middle
0	0.0	43	Fourth row - right
0	0.0	88	Multiple / other severe intrusions
3271	36.7	96	No intrusion
3	0.0	98	Other enclosed area
5450	61.1	99	Unknown/No record

```
-----
Variable 743  INTRUDING COMPONENT (10)        Width: 2      Type: Numeric
-----
Dec:      None      Miss: 99
```

NHTSA SAS Variable - INCOMP10

22Sep11	Prcnt	Code	Value and Description
Interior components			
0	0.0	1	Steering assembly
3	0.0	2	Instrument panel left
6	0.1	3	Instrument panel center
2	0.0	4	Instrument panel right

Variable 743:INTRUDING COMPONENT (10) (Continued)

22Sep11	Prcnt	Code	Value and Description
1	0.0	5	Toe pan
11	0.1	6	A-pillar (A1/A2)
9	0.1	7	B-pillar
7	0.1	8	C-pillar
1	0.0	9	D-pillar
3	0.0	10	Side panel - forward of A-pillar (A1/A2)
0	0.0	12	Side panel - rear of A-pillar (A1/A2)
34	0.4	13	Roof (or convertible top)
36	0.4	14	Roof side rail
11	0.1	15	Windshield
21	0.2	16	Windshield header
7	0.1	17	Window frame
8	0.1	18	Floor pan (includes sill)
7	0.1	19	Backlight header
7	0.1	20	Front seat back
6	0.1	21	Second seat back
0	0.0	22	Third seat back
0	0.0	23	Fourth seat back
0	0.0	24	Fifth seat back
5	0.1	25	Seat cushion
0	0.0	26	Back door/panel (e.g. tailgate)
10	0.1	27	Other interior component
Exterior components			
0	0.0	30	Hood
1	0.0	31	Outside surface of this vehicle
0	0.0	32	Other exterior object in the environment
0	0.0	33	Unknown exterior object
Interior components (continued)			
0	0.0	34	Grab Handles
1	0.0	35	Door/forward upper quadrant
0	0.0	36	Door/forward lower quadrant
3	0.0	37	Door/rear upper quadrant
0	0.0	38	Door/rear lower quadrant
0	0.0	41	Door/undetermined location
3271	36.7	88	No intrusion
0	0.0	96	Multiple / other severe intrusions
0	0.0	98	Intrusion of unlisted component(s)
5450	61.1	99	Unknown/No record

 Variable 744 INTRUSION MAGNITUDE (10) Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - INMAG10

Magnitude of intrusion (10)

Variable 744:INTRUSION MAGNITUDE (10) (Continued)

22Sep11 Prcnt Code Value and Description

3271	36.7	0	No intrusion
86	1.0	1	>= 3 centimeters but < 8 centimeters
60	0.7	2	>= 8 centimeters but < 15 centimeters
41	0.5	3	>= 15 centimeters but < 30 centimeters
9	0.1	4	>= 30 centimeters but < 46 centimeters
4	0.0	5	>= 46 centimeters but < 61 centimeters
0	0.0	6	>= 61 centimeters
0	0.0	7	Catastrophic
0	0.0	8	Multiple / other severe intrusions
5450	61.1	9	Unknown/No record

 Variable 745 CRUSH DIRECTION (10) Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - CDRIR10

Dominant crush direction (10)

22Sep11 Prcnt Code Value and Description

89	1.0	1	Vertical
30	0.3	2	Longitudinal
81	0.9	3	Lateral
3271	36.7	6	No intrusion
0	0.0	8	Multiple / other severe intrusions
5450	61.1	9	Unknown/No record

 Variable 746 STEERING COLUMN TYPE Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - COLUMTYP

22Sep11 Prcnt Code Value and Description

65	0.7	1	Fixed column
2847	31.9	2	Tilt column
5	0.1	3	Telescoping column
270	3.0	4	Tilt and telescoping column
0	0.0	8	Other column type
5734	64.3	9	Unknown/No record

Variable 747 STEERING COLUMN TILT Width: 1 Type: Numeric
----- Dec: None Miss: 9

NHTSA SAS Variable - COLMTILT

Tilt steering column adjustment

22Sep11	Prcnt	Code	Value and Description
70	0.8	0	No tilt steering column
966	10.8	1	Full up
522	5.9	2	Between full up and center
999	11.2	3	Center
135	1.5	4	Between center and full down
186	2.1	5	Full down
6043	67.7	9	Unknown/No record

Variable 748 STEERING COLUMN TELESCOP Width: 1 Type: Numeric
----- Dec: None Miss: 9

NHTSA SAS Variable - COLMTELE

Telescoping steering column adjustment

22Sep11	Prcnt	Code	Value and Description
2912	32.6	0	No telescoping steering column
59	0.7	1	Full back
10	0.1	2	Between full back and midpoint
34	0.4	3	Midpoint
10	0.1	4	Between midpoint and full forward
113	1.3	5	Full forward
5783	64.8	9	Unknown/No record

Variable 749 RIM/SPOKE DEFORMATION Width: 2 Type: Numeric
----- Dec: None Miss: 99

NHTSA SAS Variable - RIMDEF

Steering rim/spoke deformation

22Sep11	Prcnt	Code	Value and Description
2980	33.4	0	No steering rim deformation
8	0.1	1	Greater than 0 but less than 1.5 centimeters < 0 but > 1.5 cm
		-	Actual measured deformation to nearest centimeters
1	0.0	15	15 centimeters
23	0.3	98	Cannot measure
5795	65.0	99	Unknown/No record

```
-----
Variable 750  RIM/SPOKE DEF LOCATION      Width: 2      Type: Numeric
-----      -----
Dec:      None      Miss: 99
```

NHTSA SAS Variable - RDEFLOC

Location of steering rim/spoke deformation

```
22Sep11 Prcnt  Code Value and Description

2980  33.4    0  No steering rim deformation

                Quarter sections
    6   0.1    1  Section A
    2   0.0    2  Section B
    7   0.1    3  Section C
    3   0.0    4  Section D

                Half sections
   65   0.7    5  Upper half of rim/spoke
   27   0.3    6  Lower half of rim/spoke
   10   0.1    7  Left half of rim/spoke
    5   0.1    8  Right half of rim/spoke

   14   0.2    9  Complete steering wheel collapse
    7   0.1   10  Undetermined location
  5795  65.0   99  Unknown/No record
```

```
-----
Variable 751  ODOMETER READING                    Width: 3      Type: Numeric
-----      -----
Dec:      None      Miss: 999
```

NHTSA SAS Variable - ODOMETER

```
22Sep11 Prcnt  Code Value and Description

    0   0.0    0  No odometer
   18   0.2    1  (less than 1,500 kilometers)
   13   0.1    2
                - Code mileage to nearest 1,000 kilometers
    0   0.0   483
    1   0.0   500  499,500 kilometers
  6760  75.8   999  Unknown/No record
```

```
-----
Variable 752  POST-CRASH INTEGRITY LOS          Width: 1      Type: Numeric
-----      -----
Dec:      None      Miss: None
```

NHTSA SAS Variable - POSTINT

Post-Crash Integrity Loss

```
22Sep11 Prcnt  Code Value and Description

3281  36.8    0  No or unknown
```

Variable 752:POST-CRASH INTEGRITY LOS (Continued)

22Sep11 Prcnt Code Value and Description

194 2.2 1 Yes
 5446 61.0 9 Unknown/No record

 Variable 753 ADAPTIVE TECHNOLOGY Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - ADAPTEQ

Adaptive (Assistive) Driving Equipment

22Sep11 Prcnt Code Value and Description

3374 37.8 0 No adaptive driving equipment
 7 0.1 1 Adaptive driving equipment installed

Investigator's form, any positive response coded '1'

Check all that apply

- 0 [] Hand controls for braking/acceleration
- 0 [] Steering control devices (attached to OEM steering wheel)
- 0 [] Steering knob attached to steering wheel
- 0 [] Low effort power steering (unit or device)
- 0 [] Replacement steering wheel (ie reduced diameter)
- 0 [] Joy-stick steering controls
- 0 [] Wheelchair tie-downs
- 0 [] Modifications to seat belts (specify)
- 0 [] Additional or relocated switches (specify)
- 0 [] Raised roof
- 0 [] Wall mounted head rest (used behind wheelchair)
- 0 [] Pedal extender
- 0 [] Other adaptive device (specify)

5540 62.1 9 Unknown

```

+-----+
|                                     |
|               The OCCUPANT ASSESSMENT Variables               |
|                                     |
|   Variables 801 through 913 describe the motor vehicle       |
|   occupants of sampled vehicles involved in the crash. Vehicles |
|   with BODY TYPE greater than 49 have no occupant records.   |
|                                     |
+-----+
    
```

```

-----
Variable 801  PSU NUMBER                               Width: 2      Type: Numeric
-----
Dec:         None  Miss: None
    
```

NHTSA SAS Variable - PSU

```

22Sep11 Prcnt  Code Value and Description
    305   3.0    2
              -  PSU Number
    342   3.3   82
    
```

```

-----
Variable 802  CASE NUMBER                               Width: 4      Type: Alphabetic
-----
Dec:         None  Miss: None
    
```

NHTSA SAS Variable - CASEID

```

-----
Variable 803  RECORD NUMBER                             Width: 2      Type: Numeric
-----
Dec:         None  Miss: None
    
```

NHTSA SAS Variables Casekey 4 and Casekey 5

```

22Sep11 Prcnt  Code Value and Description
    10215 100.0    9  Occupant assessment record
    
```

```

-----
Variable 804  VERSION NUMBER                           Width: 2      Type: Numeric
-----
Dec:         None  Miss: None
    
```

NHTSA SAS Variable - VERSION

```

22Sep11 Prcnt  Code Value and Description
    10215 100.0   23  Version 23
    
```

```
-----
Variable 805  VEHICLE NUMBER          Width: 2      Type: Numeric
-----
Dec:      None      Miss: None
```

NHTSA SAS Variable - VEHNUM

```
22Sep11 Prcnt  Code Value and Description

 6343  62.1    1  Vehicle #1
 3569  34.9    2  Vehicle #2
  265   2.6    3  Vehicle #3
   34   0.3    4  Vehicle #4
   4    0.0    5  Vehicle #5
```

```
-----
Variable 806  OCCUPANT NUMBER          Width: 2      Type: Numeric
-----
Dec:      None      Miss: None
```

NHTSA SAS Variable - OCCNO

```
22Sep11 Prcnt  Code Value and Description

 6714  65.7    1
          -  Occupant number
   1    0.0   15
```

```
-----
Variable 807  AGE          Width: 2      Type: Numeric
-----
Dec:      None      Miss: 99
```

NHTSA SAS Variable - AGE

```
22Sep11 Prcnt  Code Value and Description

  54   0.5    0  Up to one year
  59   0.6    1
          -  Age in years
   2   0.0   96
   1   0.0   97  97 years or older
 342   3.3   99  Unknown
```

```
-----
Variable 808  SEX          Width: 1      Type: Numeric
-----
Dec:      None      Miss: 9
```

NHTSA SAS Variable - SEX

```
22Sep11 Prcnt  Code Value and Description

 5328  52.2    1  Male
 4657  45.6    2  Female - not reported pregnant
   12   0.1    3  Female - pregnant - 1st trimester (1st-3rd month)
   15   0.1    4  Female - pregnant - 2nd trimester (4th-6th month)
   18   0.2    5  Female - pregnant - 3rd trimester (7th-9th month)
```



```
-----
Variable 816  EJECTION                               Width: 1      Type: Numeric
-----
Dec:  None      Miss: 9
```

NHTSA SAS Variable - EJECTION

22Sep11	Prcnt	Code	Value and Description
6077	59.5	0	No ejection
87	0.9	1	Complete ejection
43	0.4	2	Partial ejection
1	0.0	3	Ejection, unknown degree
3986	39.0	8	Not collected for this occupant
21	0.2	9	Unknown

```
-----
Variable 817  EJECTION AREA                           Width: 1      Type: Numeric
-----
Dec:  None      Miss: 9
```

NHTSA SAS Variable - EJCTAREA

22Sep11	Prcnt	Code	Value and Description
6077	59.5	0	No ejection
3	0.0	1	Windshield
51	0.5	2	Left front
18	0.2	3	Right front
4	0.0	4	Left rear
5	0.0	5	Right rear
11	0.1	6	Rear
9	0.1	7	Roof
4	0.0	8	Other area (e.g., back of pickup, etc.)
4033	39.5	9	Unknown \ not collected for this occupant

```
-----
Variable 818  EJECTION MEDIUM                          Width: 1      Type: Numeric
-----
Dec:  None      Miss: 9
```

NHTSA SAS Variable - EJCTMED

22Sep11	Prcnt	Code	Value and Description
6077	59.5	0	No ejection
4	0.0	1	Door/hatch/tailgate
3	0.0	2	Nonfixed roof structure
15	0.1	3	Fixed glazing
79	0.8	4	Nonfixed glazing
2	0.0	5	Integral structure
3986	39.0	7	Not collected for this occupant
4	0.0	8	Other medium
45	0.4	9	Unknown

```
-----
Variable 819  MEDIUM STATUS                Width: 1    Type: Numeric
-----
Dec:  None    Miss: 9
```

NHTSA SAS Variable - MEDSTA

Medium status (immediately prior to impact)

22Sep11	Prcnt	Code	Value and Description
6077	59.5	0	No ejection
21	0.2	1	Open
81	0.8	2	Closed
2	0.0	3	Integral structure
3986	39.0	8	Not collected for this occupant
48	0.5	9	Unknown

```
-----
Variable 820  ENTRAPMENT                Width: 1    Type: Numeric
-----
Dec:  None    Miss: 9
```

NHTSA SAS Variable - ENTRAP

22Sep11	Prcnt	Code	Value and Description
5642	55.2	0	Not entrapped/exit not inhibited
62	0.6	1	Entrapped/pinned - mechanically restrained
83	0.8	2	Could not exit vehicle due to jammed doors
12	0.1	3	Could not exit vehicle due to external circumstance (ie fire, live electrical wires, high water)
3986	39.0	8	Not collected for this occupant
430	4.2	9	Unknown

```
-----
Variable 821  OCCUPANT MOBILITY            Width: 1    Type: Numeric
-----
Dec:  None    Miss: 9
```

NHTSA SAS Variable - OCCMOBIL

22Sep11	Prcnt	Code	Value and Description
61	0.6	0	Occupant fatal before removed from vehicle
154	1.5	1	Removed from vehicle while unconscious or not oriented to time or place
432	4.2	2	Removed from vehicle due to perceived serious injuries
707	6.9	3	Exited from vehicle with some assistance
3337	32.7	4	Exited from vehicle under own power
87	0.9	5	Occupant fully ejected
3986	39.0	7	Not collected for this occupant
50	0.5	8	Removed from vehicle for other reasons
1401	13.7	9	Unknown

```
-----
Variable 822  MANUAL BELT AVAILABILITY  Width: 1      Type: Numeric
-----
Dec:  None  Miss: 9
```

NHTSA SAS Variable - MANAVAIL

Manual (active) belt system availability

22Sep11	Prcnt	Code	Value and Description
19	0.2	0	Not available
0	0.0	1	Belt removed/destroyed
0	0.0	2	Shoulder belt
34	0.3	3	Lap belt
5678	55.6	4	Lap and shoulder belt
45	0.4	5	Belt available - type unknown
			Integral Belt Partially destroyed
0	0.0	6	Shoulder belt (lap belt destroyed/removed)
0	0.0	7	Lap belt (shoulder belt destroyed/removed)
1	0.0	8	Other belt
4438	43.4	9	Unknown \ not collected for this occupant

```
-----
Variable 823  MANUAL BELT USE  Width: 2      Type: Numeric
-----
Dec:  None  Miss: 99
```

NHTSA SAS Variable - MANUSE

Manual (active) belt system used in this crash?

22Sep11	Prcnt	Code	Value and Description
882	8.6	0	None used, not available, or belt removed/destroyed
1	0.0	1	Inoperative
0	0.0	2	Shoulder belt
19	0.2	3	Lap belt
4384	42.9	4	Lap and shoulder belt
40	0.4	5	Belt used - type unknown
0	0.0	8	Other belt used
0	0.0	12	Shoulder belt used with child safety seat
4	0.0	13	Lap belt used with child safety seat
174	1.7	14	Lap and shoulder belt used with child safety seat
7	0.1	15	Belt used with child safety seat - type unknown
0	0.0	18	Other belt used with child safety seat
3986	39.0	98	Not collected for this occupant
718	7.0	99	Unknown if belt used

```
-----
Variable 824  MANUAL BELT MALFUNCTION      Width: 1      Type: Numeric
-----
Dec:      None      Miss: 9
```

NHTSA SAS Variable - MANFAIL

Manual (active) belt malfunction mode during crash

22Sep11	Prcnt	Code	Value and Description
883	8.6	0	No manual belt used or not available / removed or destroyed
3785	37.1	1	No manual belt malfunction(s)
5	0.0	2	Torn webbing (stretched webbing not included)
0	0.0	3	Broken buckle or latchplate
0	0.0	4	Upper anchorage separated
0	0.0	5	Other anchorage separated
0	0.0	6	Broken retractor
1	0.0	7	Combination of above
0	0.0	8	Other manual belt malfunction
5541	54.2	9	Unknown / not collected for this occupant

```
-----
Variable 825  SHOULDER BELT ANCHOR ADJ      Width: 1      Type: Numeric
-----
Dec:      None      Miss: 9
```

NHTSA SAS Variable - BELTANCH

Manual shoulder belt upper anchorage adjustment

22Sep11	Prcnt	Code	Value and Description
54	0.5	0	No manual shoulder belt
1387	13.6	1	No upper anchorage adjustment for manual shoulder belt
			Adjustable shoulder belt upper anchorage
1506	14.7	2	In full upright position
481	4.7	3	In mid position
1313	12.9	4	In full down position
530	5.2	5	Position unknown
3986	39.0	8	Not collected for this occupant
958	9.4	9	Unknown if position has adjustable shoulder belt anchorage device

```
-----
Variable 826  MANUAL BELT PRETENSIONER      Width: 1      Type: Numeric
-----
Dec:      None      Miss: 9
```

NHTSA SAS Variable - ACTPRET

Pretensioner presence/actuation (SEATLOC/OA)

Variable 826:MANUAL BELT PRETENSIONER (Continued)

22Sep11	Prcnt	Code	Value and Description
0	0.0	0	Not equipped
0	0.0	1	Pretensioner not actuated
0	0.0	2	Retractor type actuated
0	0.0	5	Pretensioner present, unknown if actuated
0	0.0	6	Buckle type actuated
0	0.0	7	Retractor and buckle type actuated
10215	100.0	8	No match from SEATLOC file
0	0.0	9	Unknown if equipped

 Variable 827 BELT POSITIONING DEVICE Width: 2 Type: Numeric
 ----- Dec: None Miss: 99

NHTSA SAS Variable - IPOSPRES

Seat belt positioning device presence

22Sep11	Prcnt	Code	Value and Description
0	0.0	0	None present
0	0.0	1	Buckle Buddy - shoulder belt adjuster
0	0.0	2	Sta-n-Place - shoulder belt adjuster
0	0.0	3	Belt-A-Way - shoulder belt adjuster
0	0.0	4	Shoulder Strap Adjuster - shoulder belt adjuster
0	0.0	5	Child Protector - lap and shoulder belt adjuster
0	0.0	6	SafeFit - shoulder belt adjuster
0	0.0	7	SafeFit Supreme - shoulder belt adjuster
0	0.0	8	Seat Belt Adjuster - shoulder belt adjuster
0	0.0	9	Klunk-Klip - shoulder belt adjuster
0	0.0	10	Child Safer - shoulder belt adjuster
0	0.0	11	Comfort Ride - shoulder belt adjuster
0	0.0	12	Belt Buddy
10215	100.0	88	No match from SEATLOC file
0	0.0	97	OEM device
0	0.0	98	Other (specify)
0	0.0	99	Unknown if present

 Variable 828 SEAT - INTEGRATED BELTS Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - INTGREST

Does the seat have integrated passenger belts?

22Sep11	Prcnt	Code	Value and Description
0	0.0	0	No
0	0.0	1	Yes
10215	100.0	8	No match from SEATLOC file

Variable 828:SEAT - INTEGRATED BELTS (Continued)

22Sep11 Prcnt Code Value and Description

0 0.0 9 Unknown if integrated

 Variable 829 PAR RESTRAINT USE Width: 2 Type: Numeric
 ----- Dec: None Miss: 99

NHTSA SAS Variable - PARUSE

Police reported belt use

22Sep11 Prcnt Code Value and Description

959 9.4 0 None used
 0 0.0 1 Police did not indicate belt use
 85 0.8 2 Shoulder belt
 140 1.4 3 Lap belt
 7420 72.6 4 Lap and shoulder belt
 200 2.0 5 Belt used, type not specified
 321 3.1 6 Child safety seat
 0 0.0 7 Automatic belt
 24 0.2 8 Other type belt
 0 0.0 9 Police indicated "unknown"
 392 3.8 10 Not reported
 674 6.6 99 Missing data

 Variable 830 BELT USE DETERMINATION Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - BELTSOU

Primary source of belt use determination

22Sep11 Prcnt Code Value and Description

63 0.6 0 Not equipped/not available/destroyed or rendered
 inoperative
 4489 43.9 1 Vehicle inspection
 126 1.2 2 Official injury data
 965 9.4 3 Driver/occupant interview
 3986 39.0 7 Not collected for this occupant
 12 0.1 8 Other
 574 5.6 9 Unknown if belt used

```
-----
Variable 831  AIR BAG AVAIL/FUN POLICE  Width: 1      Type: Numeric
-----  -----  Dec:  None  Miss: 9
```

NHTSA SAS Variable - BAGAVRPT

Police reported air bag availability/function

22Sep11	Prcnt	Code	Value and Description
1243	12.2	0	No air bag available
0	0.0	1	Police did not indicate air bag availability/function
3552	34.8	2	Deployed
3386	33.1	3	Not deployed
31	0.3	4	Unknown if deployed
1763	17.3	7	Not reported
240	2.3	9	Police indicated "unknown"

```
-----
Variable 832  AIR BAG AVAIL/FUNCTION  Width: 1      Type: Numeric
-----  -----  Dec:  None  Miss: 9
```

NHTSA SAS Variable - BAGAVAIL

Air bag system available/function

22Sep11	Prcnt	Code	Value and Description
1003	9.8	0	Not equipped/not available
4733	46.3	1	Air bag
			Nonfunctional
6	0.1	2	Air bag disconnected
4	0.0	3	Air bag not reinstalled
3986	39.0	8	Not collected for this occupant
483	4.7	9	Unknown

```
-----
Variable 833  AIR BAG DEPLOYMENT  Width: 1      Type: Numeric
-----  -----  Dec:  None  Miss: 9
```

NHTSA SAS Variable - BAGDEPLY

Air bag system deployment

22Sep11	Prcnt	Code	Value and Description
1013	9.9	0	Not equipped/not available
2018	19.8	1	Air bag deployed during crash (as a result of impact)
0	0.0	2	Air bag deployed inadvertently just prior to crash
51	0.5	3	Air bag deployed, detail unknown
0	0.0	4	Air bag deployed as a result of a noncollision event during crash sequence (e.g. fire, explosion, electrical)
73	0.7	5	Unknown if deployed


```
-----
Variable 836  AIR BAG SYSTEM FAILURE      Width: 1      Type: Numeric
-----      -----
Dec:      None      Miss: 9
```

NHTSA SAS Variable - BAGFAIL

Are there indications of Air Bag system failure?

22Sep11	Prcnt	Code	Value and Description
744	7.3	0	Not equipped/not available
4287	42.0	1	No
9	0.1	2	Yes
3986	39.0	8	Not collected for this occupant
1189	11.6	9	Unknown

```
-----
Variable 837  AB DEPLOY/PREVIOUS CRASH      Width: 1      Type: Numeric
-----      -----
Dec:      None      Miss: 9
```

NHTSA SAS Variable - PREVACC

Had vehicle been in previous crashes?

22Sep11	Prcnt	Code	Value and Description
1013	9.9	0	Not equipped/not available
2737	26.8	1	No previous crashes
			Yes
307	3.0	2	Previous crash(es) without deployment(s)
20	0.2	3	One previous crash with deployment
1	0.0	4	More than one previous crash with at least one deployment
3986	39.0	7	Not collected for this occupant
25	0.2	8	Previous crashes, unknown deployment status
2126	20.8	9	Unknown

```
-----
Variable 838  AIR BAG TYPE      Width: 1      Type: Numeric
-----      -----
Dec:      None      Miss: 9
```

NHTSA SAS Variable - BAGTYPE

22Sep11	Prcnt	Code	Value and Description
1013	9.9	0	Not equipped/not available
2998	29.3	1	Original manufacturer installed system
0	0.0	2	Retrofitted air bag
24	0.2	3	Replacement air bag
5	0.0	5	Unknown if air bag available for this crash
3986	39.0	7	Not collected for this occupant
1706	16.7	8	Unknown type of air bag
483	4.7	9	Unknown

 Variable 839 AIR BAG MAINTENANCE Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - BAGMAINT

Had any prior maintenance/service been performed on this air bag system?

22Sep11	Prcnt	Code	Value and Description
1013	9.9	0	Not equipped/not available
2969	29.1	1	No prior maintenance
32	0.3	2	Yes, prior maintenance (specify)
3986	39.0	7	Not collected for this occupant
2215	21.7	9	Unknown

 Variable 840 AIR BAG EVENT NUMBER Width: 2 Type: Numeric
 ----- Dec: None Miss: 99

NHTSA SAS Variable - BAGEVENT

Air bag deployment crash event sequence number

22Sep11	Prcnt	Code	Value and Description
1013	9.9	0	Not equipped/not available
1561	15.3	1	Event number 1
182	1.8	2	Event number 2
38	0.4	3	Event number 3
12	0.1	4	Event number 4
11	0.1	5	Event number 5
2	0.0	6	Event number 6
2	0.0	7	Event number 7
1	0.0	9	Event number 9
3986	39.0	95	Not collected for this occupant
260	2.5	96	Deployed, unknown event
2591	25.4	97	Not deployed
73	0.7	98	Unknown if deployed
483	4.7	99	Unknown

 Variable 841 CDC OF AIR BAG DEPLOY Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - BAGCDC

CDC for air bag deployment impact

22Sep11	Prcnt	Code	Value and Description
1013	9.9	0	Not equipped/not available
1742	17.1	1	Highest delta-v
60	0.6	2	Second highest delta-v

Variable 841: CDC OF AIR BAG DEPLOY (Continued)

22Sep11	Prcnt	Code	Value and Description
7	0.1	3	Other delta-v (specify)
3986	39.0	5	Not collected for this occupant
260	2.5	6	Deployed, unknown event
2591	25.4	7	Not deployed
73	0.7	8	Unknown if deployed
483	4.7	9	Unknown

 Variable 842 AB ASSOC LONG DELTA-V Width: 4 Type: Numeric
 ----- Dec: None Miss: 999

NHTSA SAS Variable - DV BAG

Longitudinal component of Delta-v for air bag deployment impact
 Note: value range -160kmph to +160kmph

22Sep11	Prcnt	Code	Value and Description
0	0.0	-160	< or = -159.5 kmph
0	0.0	-145	- Code the value of the delta-v for the impact that initiated the air bag deployment
1	0.0	-1	
1013	9.9	0	Not equipped/not available
0	0.0	1	1 kmph
0	0.0	15	15 kmph
0	0.0	160	> or = 159.5 kmph
3986	39.0	995	Not collected for this occupant
849	8.3	996	Deployment, unknown longitudinal delta-v
2591	25.4	997	Not deployed
73	0.7	998	Unknown if deployed
483	4.7	999	Unknown

 Variable 843 AB FLAPS OPEN CORRECTLY Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - BAGFLOPN

Did air bag module cover flap(s) open at designated tear points?

22Sep11	Prcnt	Code	Value and Description
1013	9.9	0	Not equipped/not available
0	0.0	1	No
1782	17.4	2	Yes
287	2.8	3	Deployed, unknown if flaps/seams opened at tear points
3986	39.0	6	Not collected for this occupant
2591	25.4	7	Not deployed
73	0.7	8	Unknown if deployed

Variable 843:AB FLAPS OPEN CORRECTLY (Continued)

22Sep11 Prcnt Code Value and Description

483 4.7 9 Unknown

 Variable 844 AB FLAPS DAMAGED Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - BAGFLDAM

Were air bag module cover flap(s) damaged?

22Sep11 Prcnt Code Value and Description

1013 9.9 0 Not equipped/not available
 1749 17.1 1 No
 4 0.0 2 Yes (specify)
 316 3.1 3 Deployed, unknown if flap(s) damaged
 3986 39.0 6 Not collected for this occupant
 2591 25.4 7 Not deployed
 73 0.7 8 Unknown if deployed
 483 4.7 9 Unknown

 Variable 845 AB DAMAGED Width: 2 Type: Numeric
 ----- Dec: None Miss: 99

NHTSA SAS Variable - BAGDAMAG

Was there damage to the air bag?

22Sep11 Prcnt Code Value and Description

1013 9.9 0 Not equipped/not available
 1695 16.6 1 Not damaged

 Yes - air bag damaged
 1 0.0 2 Ruptured
 1 0.0 3 Cut
 2 0.0 4 Torn
 2 0.0 5 Holed
 3 0.0 6 Burned
 1 0.0 7 Abraded

 1 0.0 88 Other damage (specify)

 3986 39.0 94 Not collected for this occupant
 0 0.0 95 Damaged, details unknown
 363 3.6 96 Deployed, unknown if damaged

 2591 25.4 97 Not deployed

Variable 845:AB DAMAGED (Continued)

22Sep11 Prcnt Code Value and Description

73 0.7 98 Unknown if deployed
 483 4.7 99 Unknown

 Variable 846 AB DAMAGE SOURCE Width: 2 Type: Numeric
 ----- Dec: None Miss: 99

NHTSA SAS Variable - BAGDAMSO

Source of air bag damage

22Sep11 Prcnt Code Value and Description

1013 9.9 0 Not equipped/not available
 1695 16.6 1 Not damaged

 Yes - damaged
 0 0.0 2 Object worn by occupant
 0 0.0 3 Object carried by occupant
 0 0.0 4 Adaptive/assistive controls (specify)
 0 0.0 5 Fire in vehicle
 2 0.0 6 Thermal burns
 0 0.0 7 Rescue or emergency efforts

 1 0.0 88 Other damage source (specify)

 3986 39.0 93 Not collected for this occupant
 13 0.1 94 Post-crash damage
 8 0.1 95 Damaged, unknown source
 350 3.4 96 Deployed, unknown if damaged

 2591 25.4 97 Not deployed

 73 0.7 98 Unknown if deployed
 483 4.7 99 Unknown

 Variable 847 AIRBAG LOCATION (1) Width: 2 Type: Numeric
 ----- Dec: None Miss: 88

NHTSA SAS Variable - BAGLOC

22Sep11 Prcnt Code Value and Description

0 0.0 1 Steering wheel hub
 0 0.0 2 Top instrument panel
 0 0.0 3 Mid instrument panel
 0 0.0 4 Bottom instrument panel
 0 0.0 5 Seat back
 0 0.0 6 Door/panel

Variable 850: AIRBAG TYPE (1) (Continued)

22Sep11	Prcnt	Code	Value and Description
0	0.0	1	Original manufacturer install
0	0.0	2	Retrofitted air bag
0	0.0	3	Replacement air bag
0	0.0	5	Unknown if air bag available for this crash
0	0.0	70	No air bag available for this crash (disconnected/not reinstalled)
10215	100.0	88	No AIRBAG record match

 Variable 851 AIRBAG PREVIOUS CRASH(1) Width: 1 Type: Numeric
 ----- Dec: None Miss: 7

NHTSA SAS Variable - PREVACC

Had the vehicle been in previous crashes (1)?

22Sep11	Prcnt	Code	Value and Description
0	0.0	0	Not equipped/not available
0	0.0	1	No previous crashes
0	0.0	2	Previous crash(es) without deployment(s)
0	0.0	3	One previous crash with deployment
0	0.0	4	More than one previous crash with at least one deployment
10215	100.0	7	No AIRBAG record match
0	0.0	8	Previous crashes, unknown deployment status
0	0.0	9	Unknown

 Variable 852 AIRBAG SWITCH TYPE (1) Width: 1 Type: Numeric
 ----- Dec: None Miss: 8

NHTSA SAS Variable - SWITCHTYPE

Type of cutoff switch

22Sep11	Prcnt	Code	Value and Description
0	0.0	0	None present
0	0.0	1	Originally equipped
0	0.0	2	Retro fit
0	0.0	3	Switch present, type unknown
10215	100.0	8	No AIRBAG record match
0	0.0	9	Unknown if switch present

```
-----
Variable 853  AIRBAG SWITCH SETTING(1)      Width: 1      Type: Numeric
-----
Dec:      None      Miss: 6
```

NHTSA SAS Variable - SWITCHSET

Cutoff switch position status

22Sep11	Prcnt	Code	Value and Description
0	0.0	0	Switch on/automatic
0	0.0	1	Switch off
10215	100.0	6	No AIRBAG record match
0	0.0	7	None present
0	0.0	8	Unknown if switch present
0	0.0	9	Switch status unknown

```
-----
Variable 854  AIRBAG LOCATION (2)           Width: 2      Type: Numeric
-----
Dec:      None      Miss: 88
```

NHTSA SAS Variable - BAGLOC

22Sep11	Prcnt	Code	Value and Description
0	0.0	0	No AIRBAG record match
0	0.0	1	Steering wheel hub
0	0.0	2	Top instrument panel
0	0.0	3	Mid instrument panel
0	0.0	4	Bottom instrument panel
0	0.0	5	Seat back
0	0.0	6	Door/panel
0	0.0	7	Roof side rail
10215	100.0	88	No 2nd AIRBAG record
0	0.0	98	Other (specify)
0	0.0	99	Unknown

```
-----
Variable 855  AIRBAG MAINTENANCE (2)       Width: 1      Type: Numeric
-----
Dec:      None      Miss: 8
```

NHTSA SAS Variable - BAGMAINT

Had any prior maintenance/service been performed on this air bag system?

22Sep11	Prcnt	Code	Value and Description
0	0.0	0	Not equipped/not available
0	0.0	1	No prior maintenance
0	0.0	2	Yes, prior maintenance (specify)
10215	100.0	8	No 2nd AIRBAG record
0	0.0	9	Unknown

```
-----
Variable 856  AIRBAG NUMBER (2)           Width: 2      Type: Numeric
-----
Dec:      None      Miss: 88
```

NHTSA SAS Variable - BAGNO

```
22Sep11 Prcnt  Code Value and Description
    0  0.0    0  No AIRBAG record match
    0  0.0    2  Airbag #2
    0  0.0    3  Airbag #3
    0  0.0    4  Airbag #4
    0  0.0    5  Airbag #5
    0  0.0    6  Airbag #6
    0  0.0    7  Airbag #7
    0  0.0    8  Airbag #8
10215 100.0  88  No 2nd AIRBAG record
    0  0.0    99 Unknown
```

```
-----
Variable 857  AIRBAG TYPE (2)           Width: 2      Type: Numeric
-----
Dec:      None      Miss: 88
```

NHTSA SAS Variable - BAGTYPE

Type Of Air Bag

```
22Sep11 Prcnt  Code Value and Description
    0  0.0    0  No AIRBAG record match
    0  0.0    1  Original manufacturer install
    0  0.0    2  Retrofitted air bag
    0  0.0    3  Replacement air bag
    0  0.0    5  Unknown if air bag available for this crash
    0  0.0   70  No air bag available for this crash (disconnected/not
reinstalled)
10215 100.0  88  No 2nd AIRBAG record
```

```
-----
Variable 858  AIRBAG PREVIOUS CRASH(2)   Width: 1      Type: Numeric
-----
Dec:      None      Miss: 7
```

NHTSA SAS Variable - PREVACC

Had the vehicle been in previous crashes?

```
22Sep11 Prcnt  Code Value and Description
    0  0.0    0  Not equipped/not available
    0  0.0    1  No previous crashes
    0  0.0    2  Previous crash(es) without deployment(s)
    0  0.0    3  One previous crash with deployment
    0  0.0    4  More than one previous crash with at least one deployment
10215 100.0    7  No 2nd AIRBAG record
    0  0.0    8  Previous crashes, unknown deployment status
```

Variable 858: AIRBAG PREVIOUS CRASH(2) (Continued)

22Sep11 Prcnt Code Value and Description

0 0.0 9 Unknown

Variable 859 AIRBAG SWITCH TYPE (2) Width: 1 Type: Numeric
----- Dec: None Miss: 8

NHTSA SAS Variable - SWITCHTYPE

Type of cutoff switch

22Sep11 Prcnt Code Value and Description

0 0.0 0 None present
0 0.0 1 Originally equipped
0 0.0 2 Retro fit
0 0.0 3 Switch present, type unknown
10215 100.0 8 No 2nd AIRBAG record
0 0.0 9 Unknown if switch present

Variable 860 AIRBAG SWITCH SETTING(2) Width: 1 Type: Numeric
----- Dec: None Miss: 6

NHTSA SAS Variable - SWITCHSET

Cutoff switch position status

22Sep11 Prcnt Code Value and Description

0 0.0 0 Switch on/automatic
0 0.0 1 Switch off
10215 100.0 6 No 2nd AIRBAG record
0 0.0 7 None present
0 0.0 8 Unknown if switch present
0 0.0 9 Switch status unknown

Variable 861 AIRBAG LOCATION (3) Width: 2 Type: Numeric
----- Dec: None Miss: 88

NHTSA SAS Variable - BAGLOC

22Sep11 Prcnt Code Value and Description

0 0.0 0 No AIRBAG record match
0 0.0 1 Steering wheel hub
0 0.0 2 Top instrument panel
0 0.0 3 Mid instrument panel
0 0.0 4 Bottom instrument panel

Variable 861: AIRBAG LOCATION (3) (Continued)

22Sep11	Prcnt	Code	Value and Description
0	0.0	5	Seat back
0	0.0	6	Door/panel
0	0.0	7	Roof side rail
10215	100.0	88	No 3rd AIRBAG record
0	0.0	98	Other (specify)
0	0.0	99	Unknown

 Variable 862 AIRBAG MAINTENANCE (3) Width: 1 Type: Numeric
 ----- Dec: None Miss: 8

NHTSA SAS Variable - BAGMAINT

Had any prior maintenance/service been performed on this air bag system?

22Sep11	Prcnt	Code	Value and Description
0	0.0	0	Not equipped/not available
0	0.0	1	No prior maintenance
0	0.0	2	Yes, prior maintenance (specify)
10215	100.0	8	No 3rd AIRBAG record
0	0.0	9	Unknown

 Variable 863 AIRBAG NUMBER (3) Width: 2 Type: Numeric
 ----- Dec: None Miss: 88

NHTSA SAS Variable - BAGNO

22Sep11	Prcnt	Code	Value and Description
0	0.0	0	No AIRBAG record match
0	0.0	3	Airbag #3
0	0.0	4	Airbag #4
0	0.0	5	Airbag #5
0	0.0	6	Airbag #6
0	0.0	7	Airbag #7
0	0.0	8	Airbag #8
10215	100.0	88	No 3rd AIRBAG record
0	0.0	99	Unknown

```
-----
Variable 864   AIRBAG TYPE (3)           Width: 2      Type: Numeric
-----
Dec:   None   Miss: 88
```

NHTSA SAS Variable - BAGTYPE

Type Of Air Bag

22Sep11	Prcnt	Code	Value and Description
0	0.0	0	No AIRBAG record match
0	0.0	1	Original manufacturer install
0	0.0	2	Retrofitted air bag
0	0.0	3	Replacement air bag
0	0.0	5	Unknown if air bag available for this crash
0	0.0	70	No air bag available for this crash (disconnected/not reinstalled)
10215	100.0	88	No 3rd AIRBAG record

```
-----
Variable 865   AIRBAG PREVIOUS CRASH(3)       Width: 1      Type: Numeric
-----
Dec:   None   Miss: 7
```

NHTSA SAS Variable - PREVACC

Had the vehicle been in previous crashes?

22Sep11	Prcnt	Code	Value and Description
0	0.0	0	Not equipped/not available
0	0.0	1	No previous crashes
0	0.0	2	Previous crash(es) without deployment(s)
0	0.0	3	One previous crash with deployment
0	0.0	4	More than one previous crash with at least one deployment
10215	100.0	7	No 3rd AIRBAG record
0	0.0	8	Previous crashes, unknown deployment status
0	0.0	9	Unknown

```
-----
Variable 866   AIRBAG SWITCH TYPE (3)         Width: 1      Type: Numeric
-----
Dec:   None   Miss: 8
```

NHTSA SAS Variable - SWITCHTYPE

Type of cutoff switch

22Sep11	Prcnt	Code	Value and Description
0	0.0	0	None present
0	0.0	1	Originally equipped
0	0.0	2	Retro fit
0	0.0	3	Switch present, type unknown
10215	100.0	8	No 3rd AIRBAG record
0	0.0	9	Unknown if switch present

```
-----
Variable 867  AIRBAG SWITCH SETTING(3)  Width: 1      Type: Numeric
-----
Dec:  None  Miss: 6
```

NHTSA SAS Variable - SWITCHSET

Cutoff switch position status

22Sep11	Prcnt	Code	Value and Description
0	0.0	0	Switch on/automatic
0	0.0	1	Switch off
10215	100.0	6	No 3rd AIRBAG record
0	0.0	7	None present
0	0.0	8	Unknown if switch present
0	0.0	9	Switch status unknown

```
-----
Variable 868  AIRBAG LOCATION (4)      Width: 2      Type: Numeric
-----
Dec:  None  Miss: 88
```

NHTSA SAS Variable - BAGLOC

22Sep11	Prcnt	Code	Value and Description
0	0.0	0	No AIRBAG record match
0	0.0	1	Steering wheel hub
0	0.0	2	Top instrument panel
0	0.0	3	Mid instrument panel
0	0.0	4	Bottom instrument panel
0	0.0	5	Seat back
0	0.0	6	Door/panel
0	0.0	7	Roof side rail
10215	100.0	88	No 4th AIRBAG record
0	0.0	98	Other (specify)
0	0.0	99	Unknown

```
-----
Variable 869  AIRBAG MAINTENANCE (4)   Width: 1      Type: Numeric
-----
Dec:  None  Miss: 8
```

NHTSA SAS Variable - BAGMAINT

Had any prior maintenance/service been performed on this air bag system?

22Sep11	Prcnt	Code	Value and Description
0	0.0	0	Not equipped/not available
0	0.0	1	No prior maintenance
0	0.0	2	Yes, prior maintenance (specify)
10215	100.0	8	No 4th AIRBAG record
0	0.0	9	Unknown

```
-----
Variable 870  AIRBAG NUMBER (4)           Width: 2      Type: Numeric
-----
Dec:      None      Miss: 88
```

NHTSA SAS Variable - BAGNO

22Sep11	Prcnt	Code	Value and Description
0	0.0	0	No AIRBAG record match
0	0.0	4	Airbag #4
0	0.0	5	Airbag #5
0	0.0	6	Airbag #6
0	0.0	7	Airbag #7
0	0.0	8	Airbag #8
0	0.0	9	Airbag #9
0	0.0	10	Airbag #10
10215	100.0	88	No 4th AIRBAG record
0	0.0	99	Unknown

```
-----
Variable 871  AIRBAG TYPE (4)           Width: 2      Type: Numeric
-----
Dec:      None      Miss: 88
```

NHTSA SAS Variable - BAGTYPE

Type Of Air Bag

22Sep11	Prcnt	Code	Value and Description
0	0.0	0	No AIRBAG record match
0	0.0	1	Original manufacturer install
0	0.0	2	Retrofitted air bag
0	0.0	3	Replacement air bag
0	0.0	5	Unknown if air bag available for this crash
0	0.0	70	No air bag available for this crash (disconnected/not reinstalled)
10215	100.0	88	No 4th AIRBAG record

```
-----
Variable 872  AIRBAG PREVIOUS CRASH(4)   Width: 1      Type: Numeric
-----
Dec:      None      Miss: 7
```

NHTSA SAS Variable - PREVACC

Had the vehicle been in previous crashes?

22Sep11	Prcnt	Code	Value and Description
0	0.0	0	Not equipped/not available
0	0.0	1	No previous crashes
0	0.0	2	Previous crash(es) without deployment(s)
0	0.0	3	One previous crash with deployment
0	0.0	4	More than one previous crash with at least one deployment
10215	100.0	7	No 4th AIRBAG record
0	0.0	8	Previous crashes, unknown deployment status

Variable 872: AIRBAG PREVIOUS CRASH(4) (Continued)

22Sep11	Prcnt	Code	Value and Description
0	0.0	9	Unknown

 Variable 873 AIRBAG SWITCH TYPE (4) Width: 1 Type: Numeric
 ----- Dec: None Miss: 8

NHTSA SAS Variable - SWITCHTYPE

Type of cutoff switch

22Sep11	Prcnt	Code	Value and Description
0	0.0	0	None present
0	0.0	1	Originally equipped
0	0.0	2	Retro fit
0	0.0	3	Switch present, type unknown
0	0.0	7	No AIRBAG record match
10215	100.0	8	No 4th AIRBAG record
0	0.0	9	Unknown if switch present

 Variable 874 AIRBAG SWITCH SETTING(4) Width: 1 Type: Numeric
 ----- Dec: None Miss: 6

NHTSA SAS Variable - SWITCHSET

Cutoff switch position status

22Sep11	Prcnt	Code	Value and Description
0	0.0	0	Switch on/automatic
0	0.0	1	Switch off
10215	100.0	6	No 4th AIRBAG record
0	0.0	7	None present
0	0.0	8	Unknown if switch present
0	0.0	9	Switch status unknown

 Variable 875 ROLLOVER PROTECTION Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - ROLLPROT

22Sep11	Prcnt	Code	Value and Description
6229	61.0	0	No or unknown
0	0.0	1	Yes
3986	39.0	8	Not collected for this occupant
0	0.0	9	Unknown

```
-----
Variable 876  EYEWEAR WORN                Width: 1      Type: Numeric
-----
Dec:  None      Miss: 9
```

NHTSA SAS Variable - EYEWEAR

Was this occupant wearing eyewear?

22Sep11	Prcnt	Code	Value and Description
4999	48.9	0	Not air bag equipped/not available
1027	10.1	1	No
413	4.0	2	Eyeglasses/sunglasses
114	1.1	3	Contact lenses
515	5.0	4	Deployed, unknown if eyewear worn
2591	25.4	7	Not deployed
73	0.7	8	Unknown if deployed
483	4.7	9	Unknown

```
-----
Variable 877  HEAD RESTRAINT TYPE/DAM      Width: 1      Type: Numeric
-----
Dec:  None      Miss: 9
```

NHTSA SAS Variable - HEADREST

Head restraint type/damage by occupant at this position

22Sep11	Prcnt	Code	Value and Description
168	1.6	0	No head restraints
498	4.9	1	Integral - no damage
1	0.0	2	Integral - damaged during crash
4316	42.3	3	Adjustable - no damage
25	0.2	4	Adjustable - damaged during crash
1	0.0	5	Add-on - no damage
0	0.0	6	Add-on - damaged during crash
3986	39.0	7	Not collected for this occupant
12	0.1	8	Other
1208	11.8	9	Unknown

```
-----
Variable 878  HEAD RESTRAINT ACTIVE              Width: 1      Type: Numeric
-----
Dec:  None      Miss: 9
```

NHTSA SAS Variable - HEADACT

Active head restraint

22Sep11	Prcnt	Code	Value and Description
0	0.0	1	None present
0	0.0	2	Present
10215	100.0	8	No SEATLOC record match
0	0.0	9	Unknown

```
-----
Variable 879 SEAT TYPE Width: 2 Type: Numeric
----- Dec: None Miss: 99
```

NHTSA SAS Variable - SEATTYPE

Seat Type (this Occupant's Position)

22Sep11	Prcnt	Code	Value and Description
24	0.2	0	Occupant not seated or no seat
3371	33.0	1	Bucket
498	4.9	2	Bucket with folding back
150	1.5	3	Bench
50	0.5	4	Bench with separate back cushions
272	2.7	5	Bench with folding back(s)
255	2.5	6	Split bench with separate back cushions
281	2.8	7	Split bench with folding back(s)
1	0.0	8	Pedestal (i.e., column supported)
139	1.4	9	Box mounted seat (i.e., van type)
12	0.1	10	Other seat type
3986	39.0	98	Not collected for this occupant
1176	11.5	99	Unknown seat type / location

```
-----
Variable 880 SEAT ORIENTATION Width: 1 Type: Numeric
----- Dec: None Miss: 9
```

NHTSA SAS Variable - STORIENT

Seat Orientation (this Occupant's Position)

22Sep11	Prcnt	Code	Value and Description
24	0.2	0	Occupant not seated or no seat
4998	48.9	1	Forward facing seat
3	0.0	2	Rear facing seat
5	0.0	3	Side facing seat (inward)
0	0.0	4	Side facing seat (outward)
3986	39.0	7	Not collected for this occupant
0	0.0	8	Other
1199	11.7	9	Unknown

```
-----
Variable 881 SEAT TRACK Width: 1 Type: Numeric
----- Dec: None Miss: 9
```

NHTSA SAS Variable - SEATRACK

Seat track adjusted position prior to impact

22Sep11	Prcnt	Code	Value and Description
24	0.2	0	Occupant not seated or no seat
723	7.1	1	Nonadjustable seat track

Variable 881:SEAT TRACK (Continued)

22Sep11	Prcnt	Code	Value and Description
			Adjustable seat track
129	1.3	2	Seat at forward most track position
447	4.4	3	Seat between forward most and middle track position
1148	11.2	4	Seat at middle track position
1101	10.8	5	Seat between middle and rear most track position
1041	10.2	6	Seat at rear most track position
3986	39.0	8	Not collected for this occupant
1616	15.8	9	Unknown seat track position

 Variable 882 SEAT BACK INCLINE Width: 2 Type: Numeric
 ----- Dec: None Miss: 99

NHTSA SAS Variable - STBACINC

Seat back incline prior and post impact

22Sep11	Prcnt	Code	Value and Description
24	0.2	0	Occupant not seated or no seat
671	6.6	1	Nonadjustable
			Upright prior to impact
4	0.0	11	Moved to completely rearward position
6	0.1	12	Moved to rearward midrange position
8	0.1	13	Moved to partially rearward position
864	8.5	14	Retained pre-impact position
4	0.0	15	Moved to partially forward position
1	0.0	16	Moved to forward midrange position
1	0.0	17	Moved to completely forward position
			Partially reclined prior to impact
23	0.2	21	Moved to completely rearward position
70	0.7	22	Moved to rearward midrange position
2973	29.1	23	Retained pre-impact position
4	0.0	24	Moved to upright position
19	0.2	25	Moved to partially forward position
5	0.0	26	Moved to forward midrange position
2	0.0	27	Moved to completely forward position
			Completely reclined prior to impact
9	0.1	31	Retained pre-impact position
0	0.0	32	Moved to rearward midrange position
0	0.0	33	Moved to slightly rearward position
0	0.0	34	Moved to upright position
0	0.0	35	Moved to partially forward position
0	0.0	36	Moved to forward midrange position
0	0.0	37	Moved to completely forward position
3986	39.0	98	Not collected for this occupant
1541	15.1	99	Unknown

```
-----
Variable 883 SEAT PERFORMANCE Width: 2 Type: Numeric
----- Dec: None Miss: 99
```

NHTSA SAS Variable - SEATPERF

Seat Performance (this Occupant's Position)

22Sep11	Prcnt	Code	Value and Description
24	0.2	0	Occupant not seated or no seat
4426	43.3	1	No seat performance failure(s)
1	0.0	2	Seat adjusters failed
0	0.0	3	Seat back folding locks or "seat back" failed
2	0.0	4	Seat track/anchors failed
119	1.2	5	Deformed by occupant of this seat
110	1.1	6	Deformed by passenger compartment intrusion
24	0.2	7	Combination of above
5	0.0	10	Deformed by cargo
30	0.3	11	Deformed by other occupant
3986	39.0	97	Not collected for this occupant
10	0.1	98	Other
1478	14.5	99	Unknown

```
-----
Variable 884 CHILD SEAT USED Width: 1 Type: Numeric
----- Dec: None Miss: 9
```

NHTSA SAS Variable - CHUSED

22Sep11	Prcnt	Code	Value and Description
9757	95.5	0	No
355	3.5	1	Yes
103	1.0	9	Unknown

```
-----
Variable 885 CHILD SEAT MAKE/MODEL Width: 3 Type: Numeric
----- Dec: None Miss: 999
```

NHTSA SAS Variable - CHMAKE

Child Safety Seat Make/Model

22Sep11	Prcnt	Code	Value and Description
5978	58.5	0	No child safety seat
1	0.0	141	Safe Seat Step 1 - Make: Graco
2	0.0	142	Flex Loc - Make: Baby Trend
1	0.0	145	Infant Safe Seat - Make: Graco
2	0.0	265	Boulevard - Make: Britax
3	0.0	266	Decathlon - Make: Britax
7	0.1	272	Cosco/Doral Scenera
1	0.0	278	Cosco/Doral Eddie Bauer

Variable 885:CHILD SEAT MAKE/MODEL (Continued)

22Sep11	Prcnt	Code	Value and Description
1	0.0	282	Como - Make:Recaro
1	0.0	288	Symphony-Evenflo
2	0.0	324	Cosco/Doral Commuter High Back Booster
3	0.0	325	Cosco/Doral Ambassador
2	0.0	328	Cosco/Doral Highrise
8	0.1	330	Evenflo Big Kid
1	0.0	331	Britax Parkway
4	0.0	362	Pronto BSS - Make: Cosco/Dorel
3	0.0	506	Alpha Omega Elite - Make: Cosco/Dorel
3	0.0	550	High Backed Booster - Make: Cosco
1	0.0	554	Commuter - Make: Cosco
2	0.0	581	Touriva - Make: Cosco
1	0.0	586	Ventura/Vision - Make: Cosco:
2	0.0	599	Breverra - Make: Century Products
1	0.0	624	Booster Seat - Make: Evenflo
3	0.0	629	Discovery - Make: Evenflo
1	0.0	705	Sienna Integrated Seat - Make: Toyota
5	0.0	749	Snug Ride - Make: Graco
2	0.0	795	ComfortSport - Make: Graco
2	0.0	797	Summit - Make: Cosco
3	0.0	799	Triumph
15	0.1	802	TurboBooster - Make: Graco
4	0.0	812	Marathon - Make: Britax
1	0.0	817	Tribute - Make: Evenflo
3	0.0	818	Tribute 5 - Make: Evenflo
2	0.0	819	Vantage Point - Make: Safety 1st
2	0.0	859	CarGo - Make: Graco
1	0.0	860	Generations - Make: Evenflo
1	0.0	861	Safe Seat Step 2- Make: Graco
2	0.0	862	Chase DLX - Make: Evenflo
2	0.0	864	Eddie Bauer High Back Booster - Make: Cosco/Dorel
3	0.0	865	Nautilus - Make: Graco
0	0.0	950	Built-in child safety seat
3986	39.0	996	Not collected for this occupant
0	0.0	997	Other make/model
127	1.2	998	Unknown make/model
20	0.2	999	Unknown if child safety seat used

 Variable 886 CHILD SEAT TYPE Width: 2 Type: Numeric
 ----- Dec: None Miss: 99

NHTSA SAS Variable - CHTYPE

Type of child safety seat

22Sep11	Prcnt	Code	Value and Description
5978	58.5	0	No child safety seat
20	0.2	1	Infant seat (ISS)

Variable 886:CHILD SEAT TYPE (Continued)

22Sep11	Prcnt	Code	Value and Description
	34	0.3	2 Toddler seat
	51	0.5	3 Convertible seat (CSS)
	74	0.7	4 Booster seat - with shield
	0	0.0	5 Booster seat - without shield
	5	0.0	7 Other child safety seat
	47	0.5	8 Unknown child safety seat type
	3986	39.0	98 Not collected for this occupant
	20	0.2	99 Unknown if child safety seat used

 Variable 887 CHILD SEAT ORIENTATION Width: 2 Type: Numeric
 ----- Dec: None Miss: 99

NHTSA SAS Variable - CHORIENT

Child safety seat orientation

22Sep11	Prcnt	Code	Value and Description
	5978	58.5	0 No child safety seat
			Designed for rear facing for this age/weight
	26	0.3	1 Rear facing
	48	0.5	2 Forward facing
	0	0.0	8 Other orientation
	2	0.0	9 Unknown orientation
			Designed for forward facing for this age/weight
	1	0.0	11 Rear facing
	104	1.0	12 Forward facing
	0	0.0	18 Other orientation
	3	0.0	19 Unknown orientation
			Unknown design or orientation, or unknown age/weight
	2	0.0	21 Rear facing
	10	0.1	22 Forward facing
	0	0.0	28 Other orientation
	35	0.3	29 Unknown orientation
	3986	39.0	98 Not collected for this occupant
	20	0.2	99 Unknown if child safety seat used

 Variable 888 CHILD SEAT HARNESS USE Width: 2 Type: Numeric
 ----- Dec: None Miss: 99

NHTSA SAS Variable - CHHARNES

Child safety seat harness usage

Variable 888:CHILD SEAT HARNESS USE (Continued)

22Sep11	Prcnt	Code	Value and Description
5978	58.5	0	No child safety seat
			Not designed with harness
71	0.7	1	After market harness added, not used
0	0.0	2	After market harness used
0	0.0	3	Child safety seat used, but no after market harness added
0	0.0	9	Unknown if harness added or used
			Designed with harness
2	0.0	11	Harness not used
106	1.0	12	Harness used
1	0.0	19	Unknown if harness used
			Unknown if designed with harness
0	0.0	21	Harness not used
3	0.0	22	Harness used
48	0.5	29	Unknown if harness used
3986	39.0	98	Not collected for this occupant
20	0.2	99	Unknown if child safety seat used

 Variable 889 CHILD SEAT SHIELD USE Width: 2 Type: Numeric
 ----- Dec: None Miss: 99

NHTSA SAS Variable - CHSHIELD

Child safety seat shield usage

22Sep11	Prcnt	Code	Value and Description
5978	58.5	0	No child safety seat
			Not designed with shield
71	0.7	1	After market shield added, not used
1	0.0	2	After market shield used
107	1.0	3	Child safety seat used, but no after market shield added
0	0.0	9	Unknown if shield added or used
			Designed with shield
0	0.0	11	Shield not used
1	0.0	12	Shield used
0	0.0	19	Unknown if shield used
			Unknown if designed with shield
3	0.0	21	Shield not used
0	0.0	22	Shield used
48	0.5	29	Unknown if shield used
3986	39.0	98	Not collected for this occupant
20	0.2	99	Unknown if child safety seat used

```
-----
Variable 890  CHILD SEAT TETHER USE          Width: 2      Type: Numeric
-----          -----
Dec:  None      Miss: 99
```

NHTSA SAS Variable - CHTETHER

Child safety seat tether usage

22Sep11	Prcnt	Code	Value and Description
5978	58.5	0	No child safety seat
			Not designed with tether
0	0.0	1	After market tether added, not used
0	0.0	2	After market tether used
82	0.8	3	Child safety seat used, but no after market tether added
0	0.0	9	Unknown if tether added or used
			Designed with tether
40	0.4	11	Tether not used
42	0.4	12	Tether used
2	0.0	19	Unknown if tether used
			Unknown if designed with tether
12	0.1	21	Tether not used
0	0.0	22	Tether used
53	0.5	29	Unknown if tether used
3986	39.0	98	Not collected for this occupant
20	0.2	99	Unknown if child safety seat used

```
-----
Variable 891  SEAT - LATCH ANCHOR              Width: 1      Type: Numeric
-----          -----
Dec:  None      Miss: 9
```

NHTSA SAS Variable - LATANCH

Latch lower anchor availability

22Sep11	Prcnt	Code	Value and Description
0	0.0	0	No
0	0.0	1	Yes
10215	100.0	8	No match from SEATLOC file
0	0.0	9	Unknown if anchor

```
-----
Variable 892  SEAT - LATCH TETHER                      Width: 1      Type: Numeric
-----          -----
Dec:  None      Miss: 9
```

NHTSA SAS Variable - LATTETH

Latch tether availability


```
-----
Variable 895  TYPE OF MEDICAL FACILITY      Width: 1      Type: Numeric
-----
Dec:      None      Miss: 9
```

NHTSA SAS Variable - MEDFACIL

22Sep11	Prcnt	Code	Value and Description
3008	29.4	0	Not treated at a medical facility
1683	16.5	1	Trauma center
1151	11.3	2	Hospital
8	0.1	3	Medical clinic
4	0.0	4	Physician's office
229	2.2	5	Treatment later at medical facility
3986	39.0	7	Not collected for this occupant
1	0.0	8	Other
145	1.4	9	Unknown

```
-----
Variable 896  HOSPITAL STAY                          Width: 2      Type: Numeric
-----
Dec:      None      Miss: 99
```

NHTSA SAS Variable - HOSPSTAY

22Sep11	Prcnt	Code	Value and Description
5289	51.8	0	Not hospitalized
190	1.9	1	- Actual number of days that the occupant stayed in hospital
1	0.0	60	
1	0.0	61	61 days or more
3986	39.0	98	Not collected for this occupant
232	2.3	99	Unknown

```
-----
Variable 897  WORKING DAYS LOST                        Width: 2      Type: Numeric
-----
Dec:      None      Miss: 99
```

NHTSA SAS Variable - WORKDAYS

22Sep11	Prcnt	Code	Value and Description
1630	16.0	0	No working days lost
258	2.5	1	- Actual number of days that the occupant lost from work due to the crash
2	0.0	60	
0	0.0	61	61 days or more
168	1.6	62	Fatally injured
1981	19.4	97	Not working prior to crash
3986	39.0	98	Not collected for this occupant
1662	16.3	99	Unknown

```
-----
Variable 898  TIME TO DEATH                Width: 2      Type: Numeric
-----
Dec:      None  Miss: 99
```

NHTSA SAS Variable - DEATH

```
22Sep11 Prcnt  Code Value and Description

 6061  59.3    0  Not fatal

                                Time in Hours
   58   0.6    1  Less than 1 and 1/2 hours from the time of the crash
    8   0.1    2
                                - Actual time to nearest hour
    1   0.0   23
    2   0.0   24  From 23 1/2 to 24 hours after the crash

                                Time in Days
    2   0.0   31
                                - Actual time to nearest day (one day=31, 2 days=32, etc.)
    0   0.0   55
    1   0.0   56
    1   0.0   58
    0   0.0   60  From 29 1/2 to 30 days after the crash

    8   0.1   96  Fatal, ruled disease
 3986  39.0   98  Not collected for this occupant
    55   0.5   99  Unknown
```

```
-----
Variable 899  CAUSE OF DEATH-1-MED REP            Width: 2      Type: Numeric
-----
Dec:      None  Miss: 99
```

NHTSA SAS Variable - CAUSE1

Injury number of medically reported cause of death (1)

```
22Sep11 Prcnt  Code Value and Description

 6061  59.3    0  Not fatal or no additional causes
    61   0.6    1
                                - Injury number
    0   0.0   25
    1   0.0   31
    7   0.1   96  Mode of death given but specific injuries are not linked
                                to cause of death
    8   0.1   97  Other result (includes fatal ruled disease)
 3986  39.0   98  Not collected for this occupant
    37   0.4   99  Unknown
```

```
-----
Variable 900 CAUSE OF DEATH-2-MED REP Width: 2 Type: Numeric
----- Dec: None Miss: 99
```

NHTSA SAS Variable - CAUSE2

Injury number of medically reported cause of death (2)

22Sep11	Prcnt	Code	Value and Description
6136	60.1	0	Not fatal or no additional causes
6	0.1	1	- Injury number
0	0.0	27	
1	0.0	33	
3986	39.0	98	Not collected for this occupant

```
-----
Variable 901 CAUSE OF DEATH-3-MED REP Width: 2 Type: Numeric
----- Dec: None Miss: 99
```

NHTSA SAS Variable - CAUSE3

Injury number of medically reported cause of death (3)

22Sep11	Prcnt	Code	Value and Description
6155	60.3	0	Not fatal or no additional causes
2	0.0	1	- Injury number
0	0.0	25	
1	0.0	28	
3986	39.0	98	Not collected for this occupant

```
-----
Variable 902 NUM RECORDED INJURIES Width: 2 Type: Numeric
----- Dec: None Miss: 99
```

NHTSA SAS Variable - INJNUM

Number of recorded injuries

22Sep11	Prcnt	Code	Value and Description
2631	25.8	0	No recorded injuries
891	8.7	1	- Actual number of injuries recorded for this occupant
0	0.0	40	
1	0.0	49	
166	1.6	97	Injured, details unknown
3986	39.0	98	Not collected for this occupant
143	1.4	99	Unknown if injured

```
-----
Variable 903  GLASGOW COMA SCALE SCORE      Width: 2      Type: Numeric
-----      -----
Dec:  None   Miss: 99
```

NHTSA SAS Variable - GLASGOW

Glasgow Coma Scale (GCS) Score

22Sep11	Prcnt	Code	Value and Description
2626	25.7	0	Not injured
626	6.1	1	Injured - not treated at medical facility
559	5.5	2	No GCS score at medical facility
46	0.5	3	- Actual value of the initial GCS score recorded at medical facility
1950	19.1	15	
166	1.6	97	Injured, details unknown
3986	39.0	98	Not collected for this occupant
143	1.4	99	Unknown if injured

```
-----
Variable 904  WAS OCCUPANT GIVEN BLOOD      Width: 1      Type: Numeric
-----      -----
Dec:  None   Miss: 9
```

NHTSA SAS Variable - BLOOD

22Sep11	Prcnt	Code	Value and Description
5692	55.7	1	No - blood not given
85	0.8	2	Yes - blood given (specify units)
3986	39.0	8	Not collected for this occupant
452	4.4	9	Unknown if blood given

```
-----
Variable 905  ARTERIAL BLOOD GASES      Width: 2      Type: Numeric
-----      -----
Dec:  None   Miss: 99
```

NHTSA SAS Variable - BICARB

Arterial blood gases (ABG) - HCO3

22Sep11	Prcnt	Code	Value and Description
2626	25.7	0	Not injured
3083	30.2	1	Injured - ABGs not measured or reported
0	0.0	5	- Actual value of HCO3
0	0.0	33	
1	0.0	37	
13	0.1	96	ABGs reported, HCO3 unknown
166	1.6	97	Injured, details unknown
3986	39.0	98	Not collected for this occupant
143	1.4	99	Unknown if injured

```
-----
Variable 906  MAXIMUM KNOWN AIS          Width: 1      Type: Numeric
-----          -----
Dec:  None      Miss: 9
```

NHTSA SAS Variable - MAIS (AIS 98 FORMAT)

22Sep11	Prcnt	Code	Value and Description
2631	25.8	0	Not injured
2260	22.1	1	Minor injury
488	4.8	2	Moderate injury
284	2.8	3	Serious injury
128	1.3	4	Severe injury
80	0.8	5	Critical injury
32	0.3	6	Maximum (untreatable) injury
183	1.8	7	Injured, unknown severity
3986	39.0	8	Not collected for this occupant
143	1.4	9	Unknown if injured

```
-----
Variable 907  INJURY SEVERITY SCORE          Width: 2      Type: Numeric
-----          -----
Dec:  None      Miss: 99
```

NHTSA SAS Variable - ISS (AIS 98 FORMAT)

Injury Severity Score (ISS)

22Sep11	Prcnt	Code	Value and Description
2957	28.9	0	Not injured
1618	15.8	1	ISS 1
		-	
33	0.3	75	Maximum ISS
3986	39.0	98	Not collected for this occupant
0	0.0	99	Unknown ISS

```
-----
Variable 908  FETAL DEATH          Width: 1      Type: Numeric
-----          -----
Dec:  None      Miss: 9
```

NHTSA SAS Variable - FETALDOA

Indication that this pregnant occupant lost the fetus

22Sep11	Prcnt	Code	Value and Description
4	0.0	1	Yes, lost fetus
44	0.4	2	No or unknown
10167	99.5	8	Not applicable

```
-----
Variable 909  MAXIMUM KNOWN AIS 08          Width: 2      Type: Numeric
-----          -----
Dec:  None      Miss: 99
```

NHTSA SAS Variable - MAIS08 (AIS 2008 FORMAT)

22Sep11	Prcnt	Code	Value and Description
2626	25.7	0	Not injured
2378	23.3	1	Minor injury
429	4.2	2	Moderate injury
265	2.6	3	Serious injury
94	0.9	4	Severe injury
79	0.8	5	Critical injury
32	0.3	6	Maximum (untreatable) injury
0	0.0	7	Injured, unknown severity
0	0.0	8	Not collected for this occupant
183	1.8	9	Unknown if injured
4129	40.4	99	Unknown

```
-----
Variable 910  INJURY SEVERITY SCORE 08          Width: 2      Type: Numeric
-----          -----
Dec:  None      Miss: 99
```

NHTSA SAS Variable - ISS08 (AIS 2008 FORMAT)

Injury Severity Score (ISS)

22Sep11	Prcnt	Code	Value and Description
2952	28.9	0	Not injured
1626	15.9	1	ISS 1
-	-	-	-
32	0.3	75	Maximum ISS
0	0.0	98	Not collected for this occupant
3986	39.0	99	Unknown ISS

```
-----
Variable 911  NUM RECORDED AIS 08 INJ          Width: 2      Type: Numeric
-----          -----
Dec:  None      Miss: 99
```

NHTSA SAS Variable - INJNUM08 (AIS 2008 FORMAT)

Number of recorded injuries

22Sep11	Prcnt	Code	Value and Description
2626	25.7	0	No recorded injuries
889	8.7	1	-
-	-	-	-
0	0.0	40	Actual number of injuries recorded for this occupant
1	0.0	49	-
166	1.6	97	Injured, details unknown
0	0.0	98	Not collected for this occupant
4129	40.4	99	Unknown if injured

The OCCUPANT INJURY Variables

 Variables 1001 through 10xx describe the injuries received by sampled vehicle occupants involved in the crash. Vehicles with BODY TYPE greater than 49 or are over 10 years old have no injury records.

 Variable 1001 PSU NUMBER Width: 2 Type: Numeric
 ----- Dec: None Miss: None

NHTSA SAS Variable - PSU

22Sep11 Prcnt	Code	Value and Description
516 3.6	2	- PSU Number
389 2.7	82	

 Variable 1002 CASE NUMBER Width: 4 Type: Alphabetic
 ----- Dec: None Miss: None

NHTSA SAS Variable - CASEID

 Variable 1003 RECORD NUMBER Width: 2 Type: Numeric
 ----- Dec: None Miss: None

NHTSA SAS Variables Casekey 4 and Casekey 5

22Sep11 Prcnt	Code	Value and Description
14276 100.0	10	Occupant injury record

 Variable 1004 VERSION NUMBER Width: 2 Type: Numeric
 ----- Dec: None Miss: None

NHTSA SAS Variable - VERSION

22Sep11 Prcnt	Code	Value and Description
14276 100.0	23	Version 23

```
-----
Variable 1005  VEHICLE NUMBER           Width: 2      Type: Numeric
-----
Dec:      None  Miss: None
```

NHTSA SAS Variable - VEHNUM

```
22Sep11 Prcnt  Code Value and Description

 9541  66.8    1  Vehicle #1
 4443  31.1    2  Vehicle #2
  263   1.8    3  Vehicle #3
   28   0.2    4  Vehicle #4
    1   0.0    5  Vehicle #5
```

```
-----
Variable 1006  OCCUPANT NUMBER           Width: 2      Type: Numeric
-----
Dec:      None  Miss: None
```

NHTSA SAS Variable - OCCNO

```
22Sep11 Prcnt  Code Value and Description

10072  70.6     1
        -  Occupant number
    1   0.0   10
    1   0.0   11
```

```
-----
Variable 1007  INJURY NUMBER           Width: 2      Type: Numeric
-----
Dec:      None  Miss: None
```

NHTSA SAS Variable - INJNO

```
22Sep11 Prcnt  Code Value and Description

 3294  23.1     1
        -  Injury number
    1   0.0   40
    1   0.0   41
    1   0.0   42
    1   0.0   43
    1   0.0   44
    1   0.0   45
    1   0.0   46
    1   0.0   47
    1   0.0   48
    1   0.0   49
```

```
-----
Variable 1008  INJURY DATA SOURCE          Width: 2      Type: Numeric
-----          -----
Dec:      None      Miss: None
```

NHTSA SAS Variable - SOUDAT

```
22Sep11 Prcnt  Code Value and Description

                Official Sources
3188  22.3      2  Hospital/medical records other than emergency room (e.g.,
                discharge summary)
6406  44.9      3  Emergency room records only (including associated x-rays
                or other lab reports)
    11  0.1      4  Private physician - walk-in or emergency clinic

                Unofficial Sources
    0  0.0      5  Lay coroner report
   110  0.8      6  E.M.S. personnel
2367  16.6      7  Interviewee
    16  0.1      8  Other source
    39  0.3      9  Police

1711  12.0     16  Autopsy - Internal
   428  3.0     17  Autopsy - External Only
```

```
-----
Variable 1009  BODY REGION - AIS90          Width: 1      Type: Numeric
-----          -----
Dec:      None      Miss: 9
```

NHTSA SAS Variable - REGION90

```
22Sep11 Prcnt  Code Value and Description

    52  0.4      0  Not applicable to AIS 98
1804  12.6      1  Head
1904  13.3      2  Face
   227  1.6      3  Neck
2003  14.0      4  Thorax
   840  5.9      5  Abdomen
1466  10.3      6  Spine
2823  19.8      7  Upper Extremity
3041  21.3      8  Lower Extremity
   116  0.8      9  Unspecified
```

```
-----
Variable 1010  ASPECT - AIS90              Width: 1      Type: Numeric
-----          -----
Dec:      None      Miss: 9
```

NHTSA SAS Variable - ASPECT90

```
22Sep11 Prcnt  Code Value and Description

    619  4.3      0  Whole region
3487  24.4      1  Right
4216  29.5      2  Left
```

Variable 1010:ASPECT - AIS90 (Continued)

22Sep11 Prcnt	Code Value and Description		
1099	7.7	3	Bilateral
734	5.1	4	Central
261	1.8	5	Anterior/front/ventral
1136	8.0	6	Posterior/back/dorsal
922	6.5	7	Superior/upper
1021	7.2	8	Inferior/lower
781	5.5	9	Unknown/not applicable to AIS98

 Variable 1011 TYPE OF ANATOMIC STRUCT Width: 1 Type: Numeric
 ----- Dec: None Miss: None

NHTSA SAS Variable - STRUTYPE

22Sep11 Prcnt	Code Value and Description		
			Type of Anatomic Structure - AIS90
347	2.4	1	Whole Area
86	0.6	2	Vessels
20	0.1	3	Nerves
2359	16.5	4	Organs (includes muscles/ligaments)
2770	19.4	5	Skeletal (includes joints)
310	2.2	6	Head - LOC (Level of Consciousness)
52	0.4	8	Not applicable to AIS 98
8332	58.4	9	Skin

 Variable 1012 SPECIFIC ANATOMIC STRUCT Width: 2 Type: Numeric
 ----- Dec: None Miss: None

NHTSA SAS Variable - STRUSPEC

Valid only in combination with Body Region and Type of Structure
 - AIS90 Some examples are:

22Sep11 Prcnt	Code Value and Description		
			WHOLE AREA
		2	Skin - Abrasion
		4	Skin - Contusion
		6	Skin - Laceration
		8	Skin - Avulsion
		10	Amputation
		20	Burn
		30	Crush
		40	Degloving
		50	Injury - NFS
		90	Trauma, other than mechanical

Variable 1012:SPECIFIC ANATOMIC STRUCT (Continued)

22Sep11 Prcnt Code Value and Description

HEAD - LOC

2 Length of LOC
4 Level of Consciousness
6 Level of Consciousness
8 Level of Consciousness
10 Concussion

SPINE

2 Cervical
4 Thoracic
6 Lumbar
99 Not Applicable to AIS 98

8	0.1	0
4208	29.5	2
5140	36.0	4
2114	14.8	6
247	1.7	8
364	2.5	10
64	0.4	12
1	0.0	13
294	2.1	14
177	1.2	16

```
-----
Variable 1013 LEVEL OF INJURY          Width: 2      Type: Numeric
-----
Dec:      None      Miss: None
```

NHTSA SAS Variable - INJLEVEL

Valid only in combination with Body Region and Type of Structure
 Specific injuries are assigned consecutive numbers

22Sep11 Prcnt	Code Value and Description	
1069	7.5	0
		- Injury Level
152	1.1	99

```
-----
Variable 1014 AIS SEVERITY             Width: 1      Type: Numeric
-----
Dec:      None      Miss: 7
```

NHTSA SAS Variable - AIS

22Sep11 Prcnt	Code Value and Description	
10166	71.2	1 Minor injury
2218	15.5	2 Moderate injury
1235	8.7	3 Serious injury
319	2.2	4 Severe injury
156	1.1	5 Critical injury
36	0.3	6 Maximum (untreatable)
94	0.7	7 Injured, unknown severity
52	0.4	9 Not Applicable to AIS 98

```
-----
Variable 1015 INJURY SOURCE            Width: 3      Type: Numeric
-----
Dec:      None      Miss: 697
```

NHTSA SAS Variable - INJSOU

22Sep11 Prcnt	Code Value and Description	
		Front
254	1.8	1 Windshield
74	0.5	2 Mirror

Variable 1015:INJURY SOURCE (Continued)

22Sep11	Prcnt	Code	Value and Description
52	0.4	3	Sunvisor
381	2.7	4	Steering wheel rim
16	0.1	5	Steering wheel hub/spoke
677	4.7	6	Steering wheel (combination of rim, hub/spoke)
33	0.2	7	Steering column, transmission selector lever, other attachment
0	0.0	8	Cellular telephone or CB radio
3	0.0	9	Add-on equipment (e.g., tape deck, air conditioner)
141	1.0	13	Glove compartment door
13	0.1	15	Windshield + 1 or more from: front header,A-pillar (A1/A2),instr panel,mirror,steering assembly-driver side
32	0.2	16	Windshield + 1 or more from: front header,A-pillar (A1/A2),instr panel,mirror,-passenger side
0	0.0	17	Windshield reinforced by exterior object
6	0.0	19	Other front object
26	0.2	20	Sunvisor reinforced by exterior object
225	1.6	21	Left instrument panel
226	1.6	22	Center instrument panel
171	1.2	23	Right instrument panel
989	6.9	24	Left lower instrument panel (includes knee bolster)
109	0.8	25	Center lower instrument panel (includes knee bolster)
88	0.6	26	Right lower instrument panel (includes knee bolster)
			Left Side
103	0.7	53	Left A-pillar (A1/A2)
248	1.7	54	Left B-pillar
22	0.2	55	Other left pillar
47	0.3	56	Left side window glass
53	0.4	57	Left side window frame
0	0.0	58	Left side window sill
0	0.0	59	Left side window glass + 1 or more from: frame>window sill,A-pillar (A1/A2),B-pillar,roof side rail
4	0.0	60	Left side glass (laminated) reinforced by exterior object (specify)
0	0.0	61	Other left side object (specify):
23	0.2	62	Left side panel forward of A1/A2 pillar
3	0.0	63	Left side panel rear of the B-pillar
			Left Door Panel
240	1.7	73	Left forward upper quadrant
84	0.6	74	Left forward lower quadrant
343	2.4	75	Left rear upper quadrant
130	0.9	76	Left rear lower quadrant
13	0.1	77	Left hardware/armrest forward upper quadrant
15	0.1	78	Left hardware/armrest forward lower quadrant
38	0.3	79	Left hardware/armrest rear upper quadrant
159	1.1	80	Left hardware/armrest rear lower quadrant
			Right Side
48	0.3	103	Right A-pillar (A1/A2)
107	0.7	104	Right B-pillar
12	0.1	105	Other right pillar

Variable 1015:INJURY SOURCE (Continued)

22Sep11	Prcnt	Code	Value and Description
17	0.1	106	Right side window glass
24	0.2	107	Right side window frame
0	0.0	108	Right side window sill
0	0.0	109	Right side window glass + 1 or more from: frame,window sill,A-pillar (A1/A2),B-pillar,roof side rail
0	0.0	110	Right side glass
0	0.0	111	Other right side object
3	0.0	112	Right side panel forward of A1/A2 pillar
8	0.1	113	Right side panel rear of the B-pillar
Right Door Panel			
75	0.5	121	Right forward upper quadrant
32	0.2	122	Right forward lower quadrant
177	1.2	123	Right rear upper quadrant
38	0.3	124	Right rear lower quadrant
5	0.0	125	Right hardware/armrest forward upper quadrant
11	0.1	126	Right hardware/armrest forward lower quadrant
13	0.1	127	Right hardware/armrest rear upper quadrant
57	0.4	128	Right hardware/armrest rear lower quadrant
Interior			
753	5.3	151	Seat, back support
2381	16.7	152	Belt restraint webbing/buckle
22	0.2	153	Belt restraint B pillar or door frame attachment point
4	0.0	154	Other restraint system component
207	1.4	155	Head restraint system
165	1.2	160	Other occupants
22	0.2	161	Interior loose objects
80	0.6	163	Other interior object
0	0.0	164	Center console - first row
0	0.0	165	Center console - second row
0	0.0	166	Center console - other row
0	0.0	167	Fold down armrest - first row
0	0.0	168	Fold down armrest - second row
0	0.0	169	Fold down armrest - other row
Air Bag			
564	4.0	170	Air bag - driver side
43	0.3	171	Air bag - driver side and eyewear
2	0.0	172	Air bag - driver side and jewelry
0	0.0	173	Air bag - driver side and object held
0	0.0	174	Air bag - driver side and object in mouth
3	0.0	175	Air bag compartment cover - driver side
0	0.0	176	Air bag compartment cover - driver side and eyewear
0	0.0	177	Air bag compartment cover - driver side and jewelry
0	0.0	178	Air bag compartment cover - driver side and object held
0	0.0	179	Air bag compartment cover - driver side and object in mouth
103	0.7	180	Air bag - passenger side
5	0.0	181	Air bag - passenger side and eyewear
0	0.0	182	Air bag - passenger side and jewelry
0	0.0	183	Air bag - passenger side and object held

Variable 1015:INJURY SOURCE (Continued)

22Sep11	Prcnt	Code	Value and Description
0	0.0	184	Air bag - passenger side and object in mouth
3	0.0	185	Air bag compartment cover - passenger side
0	0.0	186	Air bag compartment cover - passenger side and eyewear
0	0.0	187	Air bag compartment cover - passenger side and jewelry
0	0.0	188	Air bag compartment cover - passenger side and object held
0	0.0	189	Air bag compartment cover - passenger side and object in mouth
97	0.7	190	Other air bag
8	0.1	195	Other air bag compartment cover
Roof			
37	0.3	201	Front header
17	0.1	202	Rear header
124	0.9	203	Roof left side rail
59	0.4	204	Roof right side rail
408	2.9	205	Roof or convertible top
18	0.1	206	Roof maplight/console
23	0.2	207	Sunroof/components
2	0.0	208	Roll-bar
Floor			
343	2.4	251	Floor including toe pan
256	1.8	252	Floor or console-mounted transmission lever (including console)
0	0.0	253	Parking brake handle
167	1.2	254	Foot controls (including parking brake)
Child Safety Seat			
27	0.2	271	Child safety seat shell, (ie, shell interior, exterior, base, cup holder, padding, head restraint, handle)
29	0.2	272	Child safety seat harness system, (ie, harness system straps, retainer clip, t-shield, tray-shield, shield, latchplate, buckle
0	0.0	273	Unknown child safety seat component
Rear			
4	0.0	301	Backlight (rear window)
0	0.0	302	Backlight storage rack, door, etc.
0	0.0	303	Other rear object
Air bag			
0	0.0	320	Air bag
0	0.0	321	Air bag and eyewear
0	0.0	322	Air bag and jewelry
0	0.0	323	Air bag and object held
0	0.0	324	Air bag and object in mouth
0	0.0	325	Air bag compartment cover
0	0.0	326	Air bag compartment cover and eyewear
0	0.0	327	Air bag compartment cover and jewelry
0	0.0	328	Air bag compartment cover and object held
0	0.0	329	Air bag compartment cover and object in mouth

Variable 1015:INJURY SOURCE (Continued)

22Sep11	Prcnt	Code	Value and Description
			Adaptive (Assistive) Driving Equipment
0	0.0	401	Hand controls for braking/acceleration
0	0.0	402	Steering control devices (attached to OEM steering wheel)
0	0.0	403	Steering knob attached to steering wheel
0	0.0	405	Replacement steering wheel (ie reduced diameter)
0	0.0	406	Joy-stick steering controls
0	0.0	407	Wheelchair tie-downs
0	0.0	408	Modifications to seat belts (specify)
0	0.0	409	Additional or relocated switches (specify)
0	0.0	410	Raised roof
0	0.0	411	Wall mounted head rest (used behind wheelchair)
0	0.0	412	Other adaptive device (specify)
			Exterior of Occupant's Vehicle
3	0.0	451	Hood
11	0.1	452	Outside hardware (outside mirror, antenna)
21	0.1	453	Other exterior surface or tires
46	0.3	454	Unknown exterior objects
			Exterior of Other Motor Vehicle
0	0.0	501	Front bumper
9	0.1	502	Hood edge
20	0.1	503	Other front of vehicle
27	0.2	504	Hood
0	0.0	505	Hood ornament
0	0.0	506	Windshield, roof rail, A-pillar
25	0.2	507	Side surface
0	0.0	508	Side mirrors
0	0.0	509	Other side protrusions
38	0.3	510	Rear surface
0	0.0	511	Undercarriage
0	0.0	512	Tires and wheels
0	0.0	513	Other exterior of other motor vehicle
4	0.0	514	Unknown exterior of other motor vehicle
			Other Vehicle or Object in the Environment
911	6.4	551	Ground
34	0.2	570	Same occupant contact (specify)
0	0.0	571	Interior loose object
0	0.0	572	Seat latch points for child restraint
30	0.2	573	Grab handles
2	0.0	574	Engine shroud/cover
0	0.0	575	Seatback trays
0	0.0	576	Cargo in vehicle
138	1.0	598	Other object (tree, pole, traffic barrier (includes: jersey barrier, guardrail, etc.))
1	0.0	599	Unknown vehicle or object
			Noncontact Injury
9	0.1	601	Fire in vehicle
253	1.8	602	Flying glass

Variable 1015:INJURY SOURCE (Continued)

22Sep11	Prcnt	Code	Value and Description
167	1.2	603	Other noncontact injury source
32	0.2	604	Air bag exhaust gases
851	6.0	697	Injured, unknown source

 Variable 1016 CONFIDENCE LEVEL Width: 1 Type: Numeric
 ----- Dec: None Miss: 9

NHTSA SAS Variable - SOUCON

Injury source confidence level

22Sep11	Prcnt	Code	Value and Description
2226	15.6	1	Certain
8433	59.1	2	Probable
2766	19.4	3	Possible
851	6.0	9	Unknown

 Variable 1017 DIRECT/INDIRECT INJURY Width: 1 Type: Numeric
 ----- Dec: None Miss: 7

NHTSA SAS Variable - DIRINJ

22Sep11	Prcnt	Code	Value and Description
11775	82.5	1	Direct contact injury
1189	8.3	2	Indirect contact injury
461	3.2	3	Noncontact injury
851	6.0	7	Injured, unknown source

 Variable 1018 INTRUSION NUMBER Width: 2 Type: Numeric
 ----- Dec: None Miss: 99

NHTSA SAS Variable - INTRUNO

Occupant area intrusion number

22Sep11	Prcnt	Code	Value and Description
10563	74.0	0	No intrusion or injury not associated with a documented intrusion
540	3.8	1	- Intrusion number
11	0.1	10	
284	2.0	97	Injury associated with a noncoded intrusion

Variable 1018:INTRUSION NUMBER (Continued)

22Sep11	Prcnt	Code	Value and Description
1587	11.1	99	Unknown

```

-----
Variable 1019  OIC - BODY REGION           Width: 2      Type: Numeric
-----
Dec:      None      Miss: 21
    
```

NHTSA SAS Variable - BODYREG

OIC Body Region - AIS-85

22Sep11	Prcnt	Code	Value and Description
61	0.4	1	A - Arm (upper)
643	4.5	2	B - Back - thoracolumbar spine
1997	14.0	3	C - Chest
29	0.2	5	E - Elbow
1902	13.3	6	F - Face
1806	12.7	8	H - Head - skull
81	0.6	11	K - Knee
141	1.0	12	L - Leg (lower)
846	5.9	13	M - Abdomen
1050	7.4	14	N - Neck - cervical spine
213	1.5	16	P - Pelvis - hip
330	2.3	17	Q - Ankle - foot
99	0.7	18	R - Forearm
195	1.4	19	S - Shoulder
122	0.9	20	T - Thigh
116	0.8	21	U - Injured, unknown region
179	1.3	23	W - Wrist - hand
2260	15.8	24	X - Upper limb(s) (whole or unknown part)
2154	15.1	25	Y - Lower limb(s) (whole or unknown part)
52	0.4	99	Not Applicable to AIS 98

```

-----
Variable 1020  OIC - LESION                 Width: 2      Type: Numeric
-----
Dec:      None      Miss: 21
    
```

NHTSA SAS Variable - LESION

OIC Lesion - AIS-85

22Sep11	Prcnt	Code	Value and Description
2703	18.9	1	A - Abrasion
48	0.3	2	B - Burn
5010	35.1	3	C - Contusion
174	1.2	4	D - Dislocation
5	0.0	5	E - Total severance, transection
2292	16.1	6	F - Fracture
21	0.1	7	G - Detachment, separation

Variable 1020:OIC - LESION (Continued)

22Sep11	Prcnt	Code	Value and Description
306	2.1	11	K - Concussion
1618	11.3	12	L - Laceration
14	0.1	13	M - Amputation
4	0.0	14	N - Crush
8	0.1	15	O - Other
17	0.1	18	R - Rupture
188	1.3	19	S - Sprain
921	6.5	20	T - Strain
788	5.5	21	U - Injured, unknown lesion
107	0.7	22	V - Avulsion
52	0.4	99	Not Applicable to AIS 98

 Variable 1021 OIC - SYSTEM ORGAN Width: 2 Type: Numeric
 ----- ----- Dec: None Miss: 21

NHTSA SAS Variable - SYSORG

OIC System Organ - AIS-85

22Sep11	Prcnt	Code	Value and Description
86	0.6	1	A - Arteries - veins
774	5.4	2	B - Brain
39	0.3	3	C - Spinal cord
109	0.8	4	D - Digestive
2	0.0	5	E - Ears
17	0.1	7	G - Urogenital
64	0.4	8	H - Heart
8592	60.2	9	I - Integumentary
396	2.8	10	J - Joints
38	0.3	11	K - Kidneys
93	0.7	12	L - Liver
996	7.0	13	M - Muscles
20	0.1	14	N - Nervous system
39	0.3	15	O - Eye
189	1.3	16	P - Pulmonary - lungs
66	0.5	17	Q - Spleen
17	0.1	18	R - Respiratory
2354	16.5	19	S - Skeletal
10	0.1	20	T - Thyroid, other endocrine gland
277	1.9	21	U - Injured, unknown system
22	0.2	22	V - Vertebrae
24	0.2	23	W - All systems in region
52	0.4	99	Not Applicable to AIS 98

```
-----
Variable 1022 BODY REGION - AIS08          Width: 1      Type: Numeric
-----          -----
Dec:      None      Miss: 9
```

NHTSA SAS Variable - REGION08

22Sep11 Prcnt Code Value and Description

Prcent	Code	Description
4	0	Whole Body
1805	1	Head
1905	2	Face
227	3	Neck
2025	4	Thorax
840	5	Abdomen
1466	6	Spine
2839	7	Upper Extremity
3049	8	Lower Extremity
116	9	Unspecified

```
-----
Variable 1023 TYPE OF ANATOMIC STRUC08    Width: 1      Type: Numeric
-----          -----
Dec:      None      Miss: None
```

NHTSA SAS Variable - STRTYP08

22Sep11 Prcnt Code Value and Description

Prcent	Code	Description
		Type of Anatomic Structure - AIS08
93	0	Injured - unknown details
8633	1	Whole Area
94	2	Vessels
21	3	Nerves
2380	4	Organs (includes muscles/ligaments)
2443	5	Skeletal (includes joints)
266	6	Head - LOC (Level of Consciousness)
346	7	Joint (Extremities)
0	8	Not applicable to AIS
0	9	Skin

```
-----
Variable 1024 SPECIFIC ANATOMIC STRU08    Width: 2      Type: Numeric
-----          -----
Dec:      None      Miss: None
```

NHTSA SAS Variable - STRSPC08

Valid only in combination with Body Region and Type of Structure
 - AIS90 Some examples are:

22Sep11 Prcnt Code Value and Description

Code	Description
	WHOLE AREA
2	Skin - Abrasion
4	Skin - Contusion
6	Skin - Laceration
8	Skin - Avulsion

Variable 1024:SPECIFIC ANATOMIC STRU08 (Continued)

22Sep11 Prcnt	Code	Value and Description
	10	Amputation
	20	Burn
	30	Crush
	40	Degloving
	50	Injury - NFS
	90	Trauma, other than mechanical
		HEAD - LOC
	2	Length of LOC
	4	Level of Consciousness
	6	Level of Consciousness
	8	Level of Consciousness
	10	Concussion
		SPINE
	2	Cervical
	4	Thoracic
	6	Lumbar
	99	Not Applicable

162	1.1	0
4035	28.3	2
2	0.0	3
4988	34.9	4
28	0.2	5
2117	14.8	6
25	0.2	7
203	1.4	8
45	0.3	9
544	3.8	10

```

-----
Variable 1025 LEVEL OF INJURY 08          Width: 2      Type: Numeric
-----
Dec:      None      Miss: None
    
```

NHTSA SAS Variable - INJLVL08

Valid only in combination with Body Region and Type of Structure
 Specific injuries are assigned consecutive numbers

22Sep11 Prcnt	Code Value and Description	
690	4.8	0
		- Injury Level
190	1.3	99

```

-----
Variable 1026 AIS SEVERITY 08          Width: 1      Type: Numeric
-----
Dec:      None      Miss: 7
    
```

NHTSA SAS Variable - AIS08

22Sep11 Prcnt	Code Value and Description	
10372	72.7	1 Minor injury
2450	17.2	2 Moderate injury
932	6.5	3 Serious injury
220	1.5	4 Severe injury
150	1.1	5 Critical injury
36	0.3	6 Maximum (untreatable)
0	0.0	7 Injured, unknown severity
116	0.8	9 Not Applicable