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National Automotive Sampling System – Crashworthiness Data System

2015 Analytical User's Manual

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16. Abstract

The NASS CDS provides an automated, comprehensive national traffic crash database. Data collection is accomplished at 24 geographic sites, called Primary Sampling Units (PSUs). These data are weighted to represent all police reported motor vehicle crashes occurring in the USA during the year involving passenger cars, light trucks and vans that were towed due to damage.

This manual and the NASS 2014 Crashworthiness Data System's Data Collection, Coding and Editing Manual (a separate 2015 manual wasn't created) are the primary documentation supporting the automated 2015 file.

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SECTION 1

INTRODUCTION

The National Automotive Sampling System (NASS) Crashworthiness Data System (CDS) is a nationwide crash data collection program sponsored by the U.S. Department of Transportation. It is operated by the National Center for Statistics and Analysis (NCSA) of the National Highway Traffic Safety Administration (NHTSA). NASS began data collection in 1979.

The NASS program was re-evaluated in the mid-1980's. This re-evaluation resulted in changes, which were implemented by NHTSA in January 1988. NASS now has two major operating components: (1) the General Estimates System (GES) which collects data on a sample of all police-reported motor vehicle traffic crash reports; and (2) the Crashworthiness Data System (CDS) which collects additional detailed information on a sample of all police-reported light]motor vehicle traffic crashes.

The NASS CDS provides an automated, comprehensive national traffic crash database. Data collection is accomplished at 24 geographic sites, called Primary Sampling Units (PSUs). These data are weighted to represent all police reported motor vehicle crashes occurring in the USA during the year involving passenger cars, light trucks and vans that were towed due to damage.

Comparing the 1988-2015 files with files from years prior to 1988 is not recommended. The principal attributes of the NASS CDS 1988-2015 files include: focusing on crashes involving automobiles and automobile derivatives, light trucks and vans with gross vehicle weight less than 10,000 pounds (4,537 kg); giving special consideration to late model year vehicles (the five most recent model years [four, beginning in 1996]); emphasizing the more serious injury crashes; eliminating the pedestrian and non-motorist record, the driver record and vehicle registration information. A revised set of data collection forms was designed in 1988 for the Crashworthiness Data System. Some features are: the introduction of an Accident Event Record to capture all events in the crash; the creation of three new vehicle records (General Vehicle, Exterior Vehicle, Interior Vehicle); and the separation of occupant records into an Occupant Assessment Record and an Occupant Injury Record, wherein all injuries are coded.

The NASS CDS file is available in a Statistical Analysis System (SAS) dataset. Hard copy data collection records, sanitized to protect privacy, are available for review through data collection year 1996. An electronic version of these records is available beginning with data collection year 1997. These records contain photographic images, scene diagrams, and vehicle damage diagrams.

This manual and the NASS 2014 Crashworthiness Data System's Data Collection, Coding and Editing Manual (a 2015 manual was not created) are the primary documentation supporting the automated file. When using this file one should be careful to understand the coding conventions of all variables used thoroughly. In addition, the user may find the following documents helpful:

CRASH3 Technical Manual, July 1986

Collision Deformation Classification (SAE J224 MAR 80)

2000 Injury Coding Manual

AAAM Abbreviated Injury Scale (AIS) 2005 – Update 2008

NASS Design for Crashworthiness Research, April 1986 (Internal Working Paper)

General Description of the NASS Crashworthiness Data System Sample Design, April 1987 (Internal Working Paper)

The first document is available from the DOT/Volpe National Transportation Systems Center (VNTSC), DTS-64, 55 Broadway, Cambridge, Massachusetts 02142-1093. The second document is available from the Society of Automotive Engineers (SAE), Warrendale, Pennsylvania 15096. The third document is internal and cannot be distributed; however users may contact the Association for the Advancement of Automotive Medicine (AAAM) to order a copy of the "Abbreviated Injury Scale (AIS) 1990 - Update 98" which previously had been the basis for NASS injury coding. AIS 1990/98 codes are now derived from the current coding scheme using the AIS 2005/08 derivation. The fourth document is available thru the Association for the Advancement of Automotive Medicine (AAAM). The "Abbreviated Injury Scale (AIS) 2005 – Update 2008" is the basis for current and future NASS injury coding. The last two documents are available from the National Highway Traffic Safety Administration at the address below.

Comments on the content and utility of the files and primary documentation are appreciated. Please address them to the National Center for Statistics and Analysis - NVS-410, National Highway Traffic Safety Administration, U.S. Department of Transportation, 1200 New Jersey Avenue, SE, Washington, D.C. 20590. Comments may also be e-mailed to: NCSA.webmaster@dot.gov.

SECTION 2

CHANGES IN 2015

GENERAL VEHICLE RECORD

The following new models were added in 2015:

Vehicle Make	SAS Code	Vehicle Model	SAS Code
Audi	32	S5	052
Lexus	59	NX	405
Land Rover	62	Discovery Sport	405

OCCUPANT ASSESSMENT RECORD

CHILD SAFETY SEAT MAKE/MODEL (SAS: CHMAKE)
Additions for 2015**:**

SAS CODE	MANUFACTURER	MODEL
298	GRACO	4Ever All-in-one
299	GRACO	My Size (70)

SECTION 3

THE SAMPLING SYSTEM AND SAMPLE DESIGN

The crashes investigated in NASS CDS are a probability sample of all police reported crashes in the U.S. A NASS CDS crash must fulfill the following requirements: must be police reported, must involve a harmful event (property damage and/or personal injury) resulting from a crash and must involve at least one towed passenger car or light truck or van in transport on a trafficway. Every crash, which meets these conditions, has a chance of being selected. This type of sample design makes it possible to compute estimates, which are representative of the entire country.

The selection of sample crashes in NASS is accomplished in three stages: (1) selection of Primary Sampling Units (PSU's), (2) selection of police jurisdictions and (3) selection of crashes.

Stage 1 - Select PSU's

For the first stage of selection, the country was divided into 1195 geographic areas called PSU's. Each PSU consisted of a central city, a county surrounding a central city, an entire county or a group of contiguous counties. The PSU's were defined so that their minimum population was approximately 50,000.

The 1195 PSU's were grouped into 12 strata based on geographic region and type, e.g., central cities, suburban counties, and other PSU's. The 24 PSU's to be sampled were allocated to each stratum roughly proportional to the number of crashes in each stratum. At least two PSU's were selected from each stratum.

Stage 2 - Select Police Jurisdictions

If every crash in each PSU were investigated, a national estimate could be obtained by weighting each crash by the inverse of the probability of selecting the PSU. Because it is uneconomical and impractical to investigate every crash in each sample PSU, a second and third stage of sampling are performed. Each PSU contains a number of police jurisdictions which process reports of crashes that occur within the PSU's boundaries. These police jurisdictions form the frame of the second stage of sampling. Each jurisdiction is assigned a measure of size based on the number, severity and type of its crashes. A sample of jurisdictions is selected which over-samples those having a larger measure of size.

Stage 3 - Select Crashes

The final stage of sampling is the selection of crashes within the sampled jurisdictions. Each week, the police jurisdictions are contacted and all crashes that qualify for the NASS CDS for which a police crash report has been filed since the last date that jurisdiction was contacted are listed. While being listed, each crash is classified into a stratum based on type of vehicle; most severe police reported injury, disposition of the injured, tow status of the vehicles and model year of the vehicles. All qualifying crashes are listed, except in a few of the largest police jurisdictions. In these jurisdictions only crashes with either an even or an odd police crash report number are listed.

To select crashes, each team is assigned a fixed number of crashes to investigate each week. The number of crashes a team selects for investigation is governed by the number of researchers on a team. Sampling weights for the strata are assigned so that a larger percentage of the higher severity crashes are selected than of the lower severity crashes. Also, crashes in the same stratum have the same probability of being selected, regardless of the PSU.

To select the sample, each crash is assigned a weight equal to the inverse of the probability of selecting the police jurisdiction in which it was listed.

SAMPLING VARIABLES

The stratification category (1) by type of vehicle is [a] "CDS applicable"---passenger cars, light trucks and vans and [b] "Non-CDS Applicable vehicles"---all other vehicle types; (2) by injury is "fatal injury"---K, "serious injury"---A or "minor injury, not injured or unknown"---B,C,O,U; (3) by disposition of the injured is "transported to a medical facility" or "not transported"; (4) by hospitalization is "occupant admitted at least overnight"; (5) by tow status is "towed due to damage" or "not towed"; (6) by model year of the vehicle is "late model year"---2011 through 2015 or "non-late model year"---2010 or before.

SAMPLING STRATA

The ten PAR sampling Strata used by the CDS are listed below and shown in Table 3-1:

Stratum A-NASS crashes in which at least one occupant of a towed CDS applicable late model year vehicle had a police reported injury of "K" (fatal injury).

Stratum B-NASS crashes not qualifying for Stratum A in which at least one occupant of a towed CDS applicable non-late model year vehicle had a police reported injury of "K" (fatal injury).

Stratum J-NASS crashes not qualifying for Strata A or B in which at least one occupant of a towed CDS applicable late model year vehicle had a police reported injury of "A" (incapacitating injury) AND was transported to a treatment facility for treatment AND was admitted overnight to the hospital. If the crash involved more than one CDS applicable vehicle, at least two of the CDS applicable vehicles must be towed.

Stratum K-NASS crashes not qualifying for Strata A, B or J in which at least one occupant of a towed CDS applicable non late model year vehicle had a police reported injury of "A" (incapacitating injury) AND was transported to a treatment facility for treatment AND was admitted overnight to the hospital. If the crash involved more than one CDS applicable vehicle, at least two of the CDS applicable vehicles must be towed.

Stratum C-NASS crashes not qualifying for Strata A, B, J or K in which at least one occupant of a towed CDS applicable late model year vehicle had a police reported injury of "A" (incapacitating injury) AND was transported to a treatment facility for treatment. If the crash involved more than one CDS applicable vehicle, then at least two of the CDS applicable vehicles must be towed.

Stratum D-NASS crashes not qualifying for Strata A, B, J, K or C in which at least one occupant of a towed CDS applicable non-late model year vehicle had a police reported injury of "A" (incapacitating injury) AND was transported to a treatment facility for treatment. If the crash involved more than one CDS applicable vehicle, then at least two of the CDS applicable vehicles must be towed.

Stratum E-NASS crashes not qualifying for Strata A, B, J, K, C or D in which at least one occupant of a towed CDS applicable late model vehicle was transported from the scene to a treatment facility for treatment.

Stratum F-NASS crashes not qualifying for Strata A, B, J, K, C, D or E in which at least one occupant of a towed CDS applicable non-late model vehicle was transported from the scene to a treatment facility for treatment.

Stratum G-NASS crashes not qualifying for Strata A, B, J, K, C, D, E or F which involve at least one CDS applicable late model vehicle that was towed, according to the police report, from the scene due to damage.

Stratum H-NASS crashes not qualifying for Strata A, B, J, K, C, D, E, F or G which involve at least one CDS applicable non-late model vehicle that was towed, according to the police report, from the scene due to damage.

Example of Crash Stratification: A CDS applicable non-late model year vehicle and a bicycle crash. The CDS applicable vehicle is towed with minor injuries to the occupants, who are not transported. The bicyclist receives a serious injury---"A". The crash is classified as Stratum H because of the minor injuries to the occupants of the towed CDS applicable non-late model year vehicle.

Table 3-1
2015 NASS CDS Strata

Late Model Year (LMY) Vehicle Involvement	Most Severe Police Reported Injury								
	Fatal Injury K	Transported						Non-transported	
		Serious Injury A					Minor Injury or Unk. B, C, or U	Minor Injury, Not injured or Unknown	
		Single CDS Veh.		Multiple CDS Applicable Vehicles				At Least one Towed CDS Veh.	No Towed CDS Appli. Veh.
		Towed		Two or More Towed		Only One Towed			
		Hosp-ital-ized	Not Hosp-ital-ized	Hosp-ital-ized	Not Hosp-ital-ized				
Injury in Towed LMY CDS Veh.	A	J	C	J	C	E		G	Not in Scope
Injury not in Towed LMY CDS Veh.	B	K	D	K	D	F		H	

Note: Late Model Year refers to 2011 through 2015 model years.

Sampling

Because the crashes selected in NASS CDS are a probability sample of all crashes occurring in the survey year, the data from these crashes are "weighted" to produce National Estimates. The weights result from the stages of selection, reflecting that crash's probability of selection. The analysis file contains only one weight.

National Inflation Factor

The National Inflation Factor is the overall sampling weight for each crash selected in the NASS sample and the inverse of the probability of selection of that crash. It is equal to product of the PSU Inflation Factor and the inverse of the probability of selection of the PSU (Stage 1).

The sum of the National Inflation Factors for all sampled NASS crashes in a year is an unbiased estimate of the total number of crashes, which occurred during the year in the U.S. If restricted to a crash stratum, the sum is an estimate of the total number of that type of crash, which occurred in that year. Unbiased estimates of National totals of crash characteristics can be obtained by multiplying the value of the characteristic for each crash in the NASS sample by the National Inflation Factor for that crash.

Ratio Inflation Factor

The Ratio Inflation Factor (SAS: RATWGT) is the product of the National Inflation Factor and a rate, which adjusts for differences between actual and estimated totals. This ratio is calculated using crash totals from both the sampled and non-sampled police jurisdictions. The totals for the sampled jurisdictions come from the Stage 3 frame. The totals for the non-sampled jurisdictions are collected annually. The PSU's are grouped into predetermined sets. Dividing the total crashes in each stratum and in each set of PSU's by the estimated total forms ratios. Those estimated totals are sums of the National Inflation Factors for each crash in the crash strata and set of PSU's.

Estimates of National totals for crash characteristics can be obtained using the Ratio Inflation Factor (RIF). However, because the RIFs have been adjusted to actual crash counts, some of the sampling variation has been removed. Therefore they will produce more precise estimates than the National Inflation Factor. It is for this reason that the RIF or Ratio Weight is the only weight on the analysis file. Less than one percent of the cases have RIFs greater than 5000. This is the result of listing at least twice the number of expected serious injury crashes on a given sampling day.

SECTION 4

DERIVED VARIABLES

Most of the data presented in the NASS record layout can be identified easily as coming from crash investigation and other activities of NASS field teams. The following data elements, however, are by-products of sampling procedures used by NASS or are derived from data processing applications, such as totaling the number of injured persons in a given crash. The following list identifies the specific data elements, lists their SAS Label (field name) and explains their derivation:

ACCIDENT RECORD

MAXIMUM TREATMENT IN THIS ACCIDENT (SAS: ATREAT)

This single place numeric value indicates the most intensive treatment given to any occupant of a towed in-transport CDS applicable vehicle in the crash, using the following order of codes:

1	FATAL
3	HOSPITALIZED
4	TRANSPORTED AND RELEASED
5	TREATMENT AT SCENE, NOT TRANSPORTED
6	TREATMENT-LATER
7	TREATMENT-OTHER
8	TRANSPORTED TO A MEDICAL FACILITY - UNK IF TREATED
2	FATAL - RULED DISEASE
9	UNKNOWN
0	NO TREATMENT
.	NOT COLLECTED

This variable is derived by scanning the TREATMENT-MORTALITY (SAS: TREATMNT) variable in each occupant assessment record in the crash.

Source: TREATMENT-MORTALITY (SAS: TREATMNT).
Missing Values: Occupant assessment records will be missing for:

(1) Non CDS applicable vehicles-BODY TYPE (SAS: BODYTYPE) equals 50-99;
(2) Non-towed CDS applicable vehicles -BODY TYPE (SAS: BODYTYPE) equals 01-49 AND POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 0 or 9;
(3) Towed CDS applicable vehicles with no occupants-BODY TYPE (SAS: BODYTYPE) equals 01-49 and POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 1 and NUMBER OF OCCUPANT FORMS SUBMITTED (SAS: OCCFORMS) equals 0.

If there are no occupants in any towed CDS applicable vehicle in the crash, or all CDS applicable vehicles' MODEL YEAR (SAS: MODELYR) is less than 2006, then code ".N" (Not Collected) is used on the SAS file.
SAS Codes: .N for Blank (Not Collected) and .U for 9 (Unknown).

MAXIMUM KNOWN AIS IN THIS CRASH (AIS98 FORMAT) (SAS: AAIS)

This single place numeric value indicates the single most severe injury level reported for any occupant of a towed in-transport CDS applicable vehicle in the crash based upon AIS98 injury codes, using the following order of codes:

6	MAXIMUM (UNTREATABLE) INJURY
5	CRITICAL INJURY
4	SEVERE INJURY
3	SERIOUS INJURY
2	MODERATE INJURY
1	MINOR INJURY
7	INJURY, UNKNOWN SEVERITY
0	NOT INJURED
.U	UNKNOWN IF INJURED
.N	NOT COLLECTED

This variable is derived by scanning the A.I.S. SEVERITY (AIS98 FORMAT) (SAS: AIS) variable on each occupant injury record in the crash. If none of the occupants in the crash has an occupant injury record, then scan the NUMBER OF RECORDED INJURIES FOR THIS OCCUPANT (AIS98 FORMAT) (SAS: INJNUM) variable on the occupant assessment record. Use the following order of codes: if "97", then code "7"; if "99", then code "9"; if "00", then code "0".

Source: A.I.S. SEVERITY (AIS98 FORMAT) (SAS: AIS) and NUMBER OF RECORDED INJURIES FOR THIS OCCUPANT (AIS98 FORMAT) (SAS: INJNUM).
Missing Values:
Occupant injury and occupant assessment records will be missing for:

(1) Non CDS applicable vehicles-BODY TYPE (SAS: BODYTYPE) equals 50-99;
(2) Non-towed CDS applicable vehicles -BODY TYPE (SAS: BODYTYPE) equals 01-49 AND POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 0 or 9;
(3) Towed CDS applicable vehicles with no occupants-BODY TYPE (SAS: BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 1 and NUMBER OF OCCUPANT FORMS SUBMITTED (SAS: OCCFORMS) equals 0.

Occupant injury records will be missing for Towed CDS applicable vehicles with no known occupant injuries-BODY TYPE (SAS: BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 1 and NUMBER OF RECORDED INJURIES THIS OCCUPANT (AIS08 FORMAT) (SAS: INJNUM08) equals 97, 99 or 00. If there are no occupants in any towed CDS applicable vehicle in the crash, or all CDS

applicable vehicles' MODEL YEAR (SAS: MODELYR) is less than 2006, then code ".N" (Not Collected) is used on the SAS file.

MAXIMUM KNOWN AIS IN THIS CRASH (AIS08 FORMAT) (SAS: AAIS08)

This single place numeric value indicates the single most severe injury level reported for any occupant of a towed in-transport CDS applicable vehicle in the crash based upon AIS08 injury codes, using the following order of codes:

6	MAXIMUM (UNTREATABLE) INJURY
5	CRITICAL INJURY
4	SEVERE INJURY
3	SERIOUS INJURY
2	MODERATE INJURY
1	MINOR INJURY
7	INJURY, UNKNOWN SEVERITY
0	NOT INJURED
.U	UNKNOWN IF INJURED
.N	NOT COLLECTED

This variable is derived by scanning the A.I.S. SEVERITY (AIS08 FORMAT) (SAS: AIS08) variable on each occupant injury record in the crash. If none of the occupants in the crash has an occupant injury record, then scan the NUMBER RECORDED AIS2008 INJURIES THIS OCCUPANT (SAS: INJNUM08) variable on the occupant assessment record. Use the following order of codes: if "97", then code "7"; if "99", then code "9"; if "00", then code "0".

Source: A.I.S. SEVERITY (AIS08 FORMAT) (SAS: AIS08) and NUMBER OF RECORDED INJURIES FOR THIS OCCUPANT (AIS08 FORMAT) (SAS: INJNUM08).

Missing Values:

Occupant injury and occupant assessment records will be missing for:

(1) Non CDS applicable vehicles-BODY TYPE (SAS: BODYTYPE) equals 50-99;
(2) Non-towed CDS applicable vehicles -BODY TYPE (SAS: BODYTYPE) equals 01-49 AND POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 0 or 9;
(3) Towed CDS applicable vehicles with no occupants-BODY TYPE (SAS: BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 1 and NUMBER OF OCCUPANT FORMS SUBMITTED (SAS: OCCFORMS) equals 0.

Occupant injury records will be missing for Towed CDS applicable vehicles with no known occupant injuries-BODY TYPE (SAS: BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 1 and NUMBER OF RECORDED INJURIES THIS OCCUPANT (AIS08 FORMAT) (SAS: INJNUM08) equals 97, 99 or 00. If there are no occupants in any towed CDS applicable vehicle in the crash, or all CDS applicable vehicles' MODEL YEAR (SAS: MODELYR) is less than 2006, then code ".N" (Not Collected) is used on the SAS file.

NUMBER OF SERIOUSLY INJURED OCCUPANTS IN THIS ACCIDENT (AIS98 FORMAT) (SAS: AINJSER)

This two place numeric value indicates the total number of fatally and other seriously injured occupants of towed CDS applicable vehicles involved in the crash. It is derived by totaling for the crash either the number of occupant assessment records in which the TREATMENT-MORTALITY (SAS: TREATMNT) value is coded "1" (Fatal) or the number of occupant injury records in which the A.I.S. SEVERITY (AIS98 FORMAT) (SAS: AIS) value is coded "3-6". (Add together "1"s in TREATMENT-MORTALITY (SAS: TREATMNT) and if the code in TREATMENT-MORTALITY is not equal to "1", add one injury per occupant where AIS is "3-6").

Source: TREATMENT-MORTALITY (SAS: TREATMNT) and A.I.S. SEVERITY (AIS98 FORMAT) (SAS: AIS).
Missing Values:
Occupant injury and occupant assessment records will be missing for:

(1) Non CDS applicable vehicles-BODY TYPE (SAS: BODYTYPE) equals 50-99;
(2) Non-towed CDS applicable vehicles -BODY TYPE (SAS: BODYTYPE) equals 01-49 AND POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 0 or 9;
(3) Towed CDS applicable vehicles with no occupants-BODY TYPE (SAS: BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 1 and NUMBER OF OCCUPANT FORMS SUBMITTED (SAS: OCCFORMS) equals 0.

Occupant injury records will be missing for Towed CDS applicable vehicles with no known occupant injuries, BODY TYPE (SAS: BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 1 and NUMBER OF RECORDED INJURIES THIS OCCUPANT (AIS98 FORMAT) (SAS: INJNUM) equals 97, 99 or 00. If none of the occupants in the crash has an occupant injury record, or if none of the coded injuries are AIS98 applicable, or if on all the occupant assessment records the only codes in NUMBER OF RECORDED AIS98 INJURIES FOR THIS OCCUPANT are equal to "97, 99 or 00", then use code "00" (None) for this derived variable. If there are no occupants in any towed CDS applicable vehicle in the crash, or all CDS applicable vehicles' MODEL YEAR (SAS: MODELYR) is less than 2006, then code ".N" (Not Collected) is used on the SAS file.
SAS Codes: .N for Blank (Not Collected). Unknown is not a valid code.

NUMBER OF SERIOUSLY INJURED OCCUPANTS IN THIS ACCIDENT (AIS08 FORMAT) (SAS: AINJSER8)

This two place numeric value indicates the total number of fatally and other seriously injured occupants of towed CDS applicable vehicles involved in the crash. It is derived by totaling for the crash either the number of occupant assessment records in which the TREATMENT-MORTALITY (SAS: TREATMNT) value is coded "1" (Fatal) or the number of occupant injury records in which the A.I.S. SEVERITY (AIS08 FORMAT)

value is coded "3-6". (Add together "1"s in TREATMENT-MORTALITY and if the code in TREATMENT-MORTALITY is not equal to "1", add one injury per occupant where A.I.S. SEVERITY (AIS08 FORMAT) equals "3-6").

Source: TREATMENT-MORTALITY (SAS: TREATMNT) and A.I.S. SEVERITY (AIS08 FORMAT) (SAS: AIS08).
Missing Values:
Occupant injury and occupant assessment records will be missing for:

(1) Non CDS applicable vehicles-BODY TYPE (SAS: BODYTYPE) equals 50-99;
(2) Non-towed CDS applicable vehicles -BODY TYPE (SAS: BODYTYPE) equals 01-49 AND POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 0 or 9;
(3) Towed CDS applicable vehicles with no occupants-BODY TYPE (SAS: BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 1 and NUMBER OF OCCUPANT FORMS SUBMITTED (SAS: OCCFORMS) equals 0.

Occupant injury records will be missing for Towed CDS applicable vehicles with no known occupant injuries, BODY TYPE (SAS: BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 1 and NUMBER OF RECORDED INJURIES THIS OCCUPANT (AIS08 FORMAT) (SAS: INJNUM08) equals 97, 99 or 00. If none of the occupants in the crash has an occupant injury record, or if on all the occupant assessment records the only codes in NUMBER OF RECORDED AIS08 INJURIES FOR THIS OCCUPANT are equal to "97, 99 or 00", then use code "00" (None) for this derived variable. If there are no occupants in any towed CDS applicable vehicle in the crash, or all CDS applicable vehicles' MODEL YEAR (SAS: MODELYR) is less than 2006, then code ".N" (Not Collected) is used on the SAS file.
SAS Codes: .N for Blank (Not Collected). Unknown is not a valid code.

NUMBER OF INJURED OCCUPANTS (AIS98 FORMAT) (SAS: AINJURED)

This two place numeric value indicates the total number of injured occupants of towed CDS applicable vehicles involved in the crash. It is derived by totaling the number of occupant assessment records in which the variable NUMBER OF RECORDED INJURIES FOR THIS OCCUPANT (AIS98 FORMAT) (SAS: INJNUM) has a value of 01-97.

Source: NUMBER OF RECORDED INJURIES FOR THIS OCCUPANT (AIS98 FORMAT) (SAS: INJNUM).
Missing Values:
Occupant Assessment records will be missing for:

(1) Non CDS applicable vehicles - BODY TYPE (SAS: BODYTYPE) equals 50-99;
(2) Non-towed CDS applicable vehicles with - BODY TYPE (SAS: BODYTYPE) equals 01-49 AND POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 0 or 9;

(3) Towed CDS applicable vehicles with no occupants-BODY TYPE (SAS: BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 1 and NUMBER OF OCCUPANT FORMS SUBMITTED (SAS: OCCFORMS) equals 0.

Towed CDS applicable vehicles with no known occupant injuries will have codes-BODY TYPE (BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (TOWPAR) equals 1 and NUMBER OF RECORDED INJURIES THIS OCCUPANT (AIS98 FORMAT) (SAS: INJNUM) equals 99 or 00. If, on all the occupant assessment records in the crash, the only codes in NUMBER OF RECORDED INJURIES THIS OCCUPANT (AIS98 FORMAT) are equal to "99" or "00," then code "00" (None) is used for this derived variable. If there are no occupants in any towed CDS applicable vehicle in the crash, or all towed CDS applicable vehicles' MODEL YEAR (SAS: MODELYR) is less than 2006, then code ".N" (Not Collected) is used on the SAS file.
SAS Codes: .N (Not Collected). Unknown is not a valid code.

NUMBER OF INJURED OCCUPANTS (AIS08 FORMAT) (SAS: AINJURD8)

This two place numeric value indicates the total number of injured occupants of towed CDS applicable vehicles involved in the crash. It is derived by totaling the number of occupant assessment records in which the variable NUMBER OF RECORDED INJURIES FOR THIS OCCUPANT (AIS08 FORMAT) (SAS: INJNUM08) has a value of 01-97.

Source: NUMBER OF RECORDED INJURIES FOR THIS OCCUPANT (AIS08 FORMAT) (SAS: INJNUM08).
Missing Values:
Occupant Assessment records will be missing for:

(1) Non CDS applicable vehicles - BODY TYPE (SAS: BODYTYPE) equals 50-99;
(2) Non-towed CDS applicable vehicles with - BODY TYPE (SAS: BODYTYPE) equals 01-49 AND POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 0 or 9;
(3) Towed CDS applicable vehicles with no occupants-BODY TYPE (SAS: BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 1 and NUMBER OF OCCUPANT FORMS SUBMITTED (SAS: OCCFORMS) equals 0.

Towed CDS applicable vehicles with no known occupant injuries will have codes-BODY TYPE (BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (TOWPAR) equals 1 and NUMBER OF RECORDED INJURIES THIS OCCUPANT (AIS08 FORMAT) (INJNUM08) equals 99 or 00. If, on all the occupant assessment records in the crash, the only codes in NUMBER OF RECORDED INJURIES THIS OCCUPANT (AIS08 FORMAT) are equal to "99" or "00," then code "00" (None) is used for this derived variable. If there are no occupants in any towed CDS applicable vehicle in the crash, or all towed CDS applicable vehicles' MODEL YEAR is less than 2006, then code ".N" (Not Collected) is used on the SAS file.
SAS Codes: .N (Not Collected). Unknown is not a valid code.

ALCOHOL INVOLVEMENT IN THIS ACCIDENT (SAS: ALCINV)

This single place numeric value indicates if any involved driver were reported to have had some alcohol involvement at the time of the crash, using the following order of codes:

1 YES
2 NO
9 UNKNOWN

This variable is derived by scanning the POLICE REPORTED ALCOHOL PRESENCE FOR DRIVER (SAS: DRINKING) and ALCOHOL TEST RESULT FOR DRIVER (SAS: ALCTEST) variables on each general vehicle record in the crash. The ALCOHOL INVOLVEMENT codes are derived as follows:

(YES) 1 - If POLICE REPORTED ALCOHOL PRESENCE FOR DRIVER equals 1 (YES- ALCOHOL PRESENT) or ALCOHOL TEST RESULT FOR DRIVER equals 01-49 (positive result).

(NO) 2 - If POLICE REPORTED ALCOHOL PRESENCE FOR DRIVER equals 0 (NO ALCOHOL PRESENT) and ALCOHOL TEST RESULT FOR DRIVER equals 00 (NONE) or 96 (NONE GIVEN).

(UNKNOWN) 9 - If the variables shown above have any other combination of values.

Source: POLICE REPORTED ALCOHOL PRESENCE FOR DRIVER (SAS: DRINKING) and ALCOHOL TEST RESULT FOR DRIVER (SAS: ALCTEST).
Missing Values: None (must have at least one general vehicle record coded through the variable ACCIDENT TYPE (SAS: ACCTYPE) in the crash).
SAS Codes: .U for 9 (Unknown).

DAY OF WEEK OF ACCIDENT (SAS: DAYWEEK)

This two place numeric value indicates on which day of the week the crash occurred. To protect the confidentiality of records concerning specific crashes used by NASS, the crash date is not provided. Instead, the crash record indicates year, month and DAY OF WEEK of crash occurrence. DAY OF WEEK values are coded as follows:

01	Sunday	05	Thursday
02	Monday	06	Friday
03	Tuesday	07	Saturday
04	Wednesday		

Source: DATE OF ACCIDENT.
Missing Values: None.
SAS codes: Unknown is not a valid code.

RATIO INFLATION FACTOR (SAS: RATWGT)

This eight place numeric value has three implied decimal places. It is the product of the National Inflation Factor and a ratio which adjusts for differences between actual and estimated totals.

Source: Computed by NHTSA Headquarters.
Missing Values: None.
SAS Codes: None. Unknown is not a valid code.

DRUG INVOLVEMENT IN THIS ACCIDENT (SAS: DRGINV)

This single place numeric value indicates if any involved driver were reported to have had some drug involvement at the time of the crash, using the following order of codes:

1 YES
2 NO
3 UNKNOWN

This variable is derived by scanning the POLICE REPORTED OTHER DRUG PRESENCE FOR DRIVER (GV15) and OTHER DRUG SPECIMEN TEST RESULT (GV16) variables on each general vehicle record in the crash. The DRUG INVOLVEMENT codes are derived as follows:

(YES) 1 - If POLICE REPORTED OTHER DRUG PRESENCE FOR DRIVER equals 1 (YES - OTHER DRUG PRESENT) or OTHER DRUG SPECIMEN TEST RESULT equals 2 (DRUG FOUND IN SPECIMEN).

(NO) 2 -If POLICE REPORTED OTHER DRUG PRESENCE FOR DRIVER equals 0 (NO OTHER DRUGS PRESENT) and OTHER DRUG SPECIMEN TEST RESULT equals 0 (NO SPECIMEN TEST GIVEN) or 1 (DRUG NOT FOUND IN SPECIMEN).

(UNKNOWN) 9 - If the variables shown above have any other combination of values.

Source: POLICE REPORTED OTHER DRUG PRESENCE FOR DRIVER (GV15) and OTHER DRUG SPECIMEN TEST RESULT (GV16).
Missing Values: None (must have at least one general vehicle record coded through the variable ACCIDENT TYPE (GV36) in the crash).
SAS Codes: .U for 9 (Unknown).

MANNER OF COLLISION (SAS: MANCOLL)

This single place numeric value indicates the configuration of the crash based on the first harmful event, using the following codes:

0 NOT COLLISION WITH VEHICLE IN TRANSPORT
1 REAR-END
2 HEAD-ON
4 ANGLE
5 SIDESWIPE, SAME DIRECTION
6 SIDESWIPE, OPPOSITE DIRECTION
9 UNKNOWN

This variable is derived by scanning the OBJECT CONTACTED (SAS: OBJCONT) variable on the crash event record and the ACCIDENT TYPE (SAS: ACCTYPE) variable on the general vehicle record, where VEHICLE NUMBER (SAS: EVENTS.VEHNO) equals VEHICLE NUMBER (SAS: GV.VEHNO). The MANNER OF COLLISION codes are derived as follows:

0 (NOT COLLISION WITH VEHICLE IN TRANSPORT) - If OBJECT CONTACTED equals 31-99.
1 (REAR-END) - If OBJECT CONTACTED equals 01-30 and ACCIDENT TYPE equals 20-43.
2 (HEAD-ON) - If OBJECT CONTACTED equals 01-30 and ACCIDENT TYPE equals 50-63.
4 (ANGLE) - If OBJECT CONTACTED equals 01-30 and ACCIDENT TYPE equals 68-91.
5 (SIDESWIPE, SAME DIRECTION) - If OBJECT CONTACTED equals 01-30 and ACCIDENT TYPE equals 44-49.
6 (SIDESWIPE, OPPOSITE DIRECTION) - If OBJECT CONTACTED equals 01-30 and ACCIDENT TYPE equals 64-67.
9 (UNKNOWN) - If OBJECT CONTACTED equals 01-30 and ACCIDENT TYPE equals 92-99.

Source: OBJECT CONTACTED (SAS: EVENTS.OBJCONT) and ACCIDENT TYPE (SAS: GV.ACCTYPE).
Missing Values: None (must have at least one general vehicle record coded through the variable ACCIDENT TYPE (SAS: GV.ACCTYPE) in the crash.
SAS Codes: .U for 9 (Unknown).

PSU STRATA (SAS: PSUSTRAT)

This two place numeric variable indicates the stratum into which each PSU is grouped in the first stage of selection of sample crashes. It is used for calculating variance by analysts using the SUDAAN statistical system. Values are coded as follows:

01 - 12

This variable is derived by scanning a coded table consisting of PSU number and stratum number.

Source: PRIMARY SAMPLING UNIT NUMBER (SAS: PSU) and coded table.
Missing Values: None.
SAS Codes: None.

GENERAL VEHICLE RECORD

MAXIMUM TREATMENT IN THIS VEHICLE (SAS: VTREAT)

This single place numeric value indicates the most intensive treatment given to any occupant of this towed CDS applicable vehicle using the following order of codes:

1	FATAL
3	HOSPITALIZED
4	TRANSPORTED AND RELEASED
5	TREATMENT AT SCENE
6	TREATMENT LATER
7	TREATMENT - OTHER
8	TRANSPORTED TO A MEDICAL FACILITY - UNKNOWN IF TREATED
2	FATAL - RULED DISEASE
9	UNKNOWN
0	NO TREATMENT
.N	NOT COLLECTED
.	NOT COLLECTED FOR THIS OCCUPANT

This variable is derived by scanning the TREATMENT-MORTALITY (SAS: TREATMNT) variable in each occupant assessment record in this vehicle.

Source: TREATMENT-MORTALITY (SAS: TREATMNT).
Missing Values: Occupant assessment records will be missing for:

(1) Non CDS applicable vehicles-BODY TYPE (SAS: BODYTYPE) equals 50-99;
(2) Non-towed CDS applicable vehicles with -BODY TYPE (SAS: BODYTYPE) equals 01-49 AND POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 0 or 9;
(3) Towed CDS applicable vehicles with no occupants-BODY TYPE (SAS: BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 1 and NUMBER OF OCCUPANT FORMS SUBMITTED (SAS: OCCFORMS) equals 0.

If none of the occupants in the vehicle has an occupant assessment record, or the vehicle's MODEL YEAR (SAS: MODELYR) is less than 2006, then code ".N" (Not Collected) is used on the SAS file.
SAS Codes: .N for Blank (Not Collected) and .U for 9 (Unknown).

MAXIMUM KNOWN A.I.S. IN THIS VEHICLE (AIS98 FORMAT) (SAS: VAIS)

This single place numeric value indicates the single most severe injury level reported for any occupant in this towed CDS applicable vehicle using the following order of codes:

6	MAXIMUM (UNTREATABLE) INJURY
5	CRITICAL INJURY
4	SEVERE INJURY

3 SERIOUS INJURY
2 MODERATE INJURY
1 MINOR INJURY
7 INJURY, UNKNOWN SEVERITY
9 UNKNOWN IF INJURED
0 NOT INJURED
. NOT COLLECTED

This variable is derived by scanning the A.I.S. SEVERITY (AIS98 FORMAT) (SAS: AIS) variable on each occupant injury record in this towed CDS applicable vehicle. If none of the occupants in this vehicle has an occupant injury record or there are no AIS98 applicable injuries, then scan the NUMBER OF RECORDED INJURIES FOR THIS OCCUPANT (AIS98 FORMAT) (INJNUM) variable on the occupant assessment record. Use the following order of codes: if "97", then code "7"; if "99", then code "9"; if "00", then code "0".

Source: A.I.S. SEVERITY (AIS98 FORMAT) (SAS: AIS) and NUMBER OF RECORDED INJURIES FOR THIS OCCUPANT (AIS98 FORMAT) (SAS: INJNUM).
Missing Values:
Occupant injury and occupant assessment records will be missing for:

(1) Non CDS applicable vehicles-BODY TYPE (SAS: BODYTYPE) equals 50-99;
(2) Non-towed CDS vehicles - BODY TYPE (SAS: BODYTYPE) equals 01-49 AND POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 0 or 9;
(3) Towed CDS applicable vehicles with no occupants-BODY TYPE (SAS: BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 1 and NUMBER OF OCCUPANT FORMS SUBMITTED (SAS: OCCFORMS) equals 0.

Occupant injury records will be missing for towed CDS applicable vehicles with no known occupant injuries-BODY TYPE (SAS: BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 1 and NUMBER OF RECORDED INJURIES THIS OCCUPANT (AIS98 FORMAT) (SAS: INJNUM) equals 97, 99 or 00;

If none of the occupants in the vehicle has an occupant assessment record, or the vehicle's MODEL YEAR (SAS: MODELYR) is less than 2006, then code ".N" (Not Collected) is used on the SAS file.
SAS Codes: .N for Blank (Not Collected) and .U for 9 (Unknown).

MAXIMUM KNOWN A.I.S. IN THIS VEHICLE (AIS08 FORMAT) (SAS: VAIS08)

This single place numeric value indicates the single most severe injury level reported for any occupant in this towed CDS applicable vehicle using the following order of codes:

6 MAXIMUM (UNTREATABLE) INJURY
5 CRITICAL INJURY
4 SEVERE INJURY
3 SERIOUS INJURY

2 MODERATE INJURY
1 MINOR INJURY
7 INJURY, UNKNOWN SEVERITY
9 UNKNOWN IF INJURED
0 NOT INJURED
. NOT COLLECTED

This variable is derived by scanning the A.I.S. SEVERITY (AIS08 FORMAT) (SAS: AIS08) variable on each occupant injury record in this towed CDS applicable vehicle. If none of the occupants in this vehicle has an occupant injury record, then scan the NUMBER OF RECORDED INJURIES FOR THIS OCCUPANT (AIS08 FORMAT) (INJNUM08) variable on the occupant assessment record. Use the following order of codes: if "97", then code "7"; if "99", then code "9"; if "00", then code "0".

Source: A.I.S. SEVERITY (AIS08 FORMAT) (SAS: AIS08) and NUMBER OF RECORDED INJURIES FOR THIS OCCUPANT (AIS08 FORMAT) (SAS: INJNUM08).
Missing Values:
Occupant injury and occupant assessment records will be missing for:

(1) Non CDS applicable vehicles-BODY TYPE (SAS: BODYTYPE) equals 50-99;
(2) Non-towed CDS vehicles - BODY TYPE (SAS: BODYTYPE) equals 01-49 AND POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 0 or 9;
(3) Towed CDS applicable vehicles with no occupants-BODY TYPE (SAS: BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 1 and NUMBER OF OCCUPANT FORMS SUBMITTED (SAS: OCCFORMS) equals 0.

Occupant injury records will be missing for towed CDS applicable vehicles with no known occupant injuries-BODY TYPE (SAS: BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 1 and NUMBER OF RECORDED INJURIES THIS OCCUPANT (AIS08 FORMAT) (SAS: INJNUM08) equals 97, 99 or 00;

If none of the occupants in the vehicle has an occupant assessment record, or the vehicle's MODEL YEAR (SAS: MODELYR) is less than 2006, then code ".N" (Not Collected) is used on the SAS file.
SAS Codes: .N for Blank (Not Collected) and .U for 9 (Unknown).

NUMBER SERIOUSLY INJURED IN THIS VEHICLE (AIS98 FORMAT) (SAS: VINJSER)

This two place numeric value indicates the total number of fatally and other seriously injured occupants of this towed CDS applicable vehicle. It is derived by totaling for the vehicle either the number of occupant assessment records in which the TREATMENT-MORTALITY (SAS: TREATMNT) value is coded "1" (Fatal) or the number of occupant injury records in which the A.I.S. SEVERITY (AIS98 FORMAT) (SAS: AIS) value equals "3-6." (Add together "1"s in TREATMNT and if the code in TREATMNT is not equal to "1", add one injury per occupant where AIS equals "3-6").

Source: TREATMENT-MORTALITY (SAS: TREATMNT) and A.I.S. SEVERITY (AIS98 FORMAT) (SAS: AIS).
Missing Values:
Occupant injury and occupant assessment records will be missing for:

(1) Non CDS applicable vehicles-BODY TYPE (SAS: BODYTYPE) equals 50-99;
(2) Non towed CDS applicable vehicles -BODY TYPE (SAS: BODYTYPE) equals 01-49 AND POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 0 or 9;
(3) Towed CDS applicable vehicles with no occupants-BODY TYPE (SAS: BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 1 and NUMBER OF OCCUPANT FORMS SUBMITTED (SAS: OCCFORMS) equals 0.

Occupant injury records will be missing for Towed CDS applicable vehicles with no known occupant injuries-BODY TYPE (SAS: BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 1 and NUMBER OF RECORDED INJURIES THIS OCCUPANT (AIS98 FORMAT) (SAS: INJNUM) equals 97, 99 or 00.

If none of the occupants in the vehicle has an occupant assessment record, or the vehicle's MODEL YEAR (SAS: MODELYR) is less than 2006, then code ".N" (Not Collected) is used in the SAS file. If, on all the occupant assessment records in the vehicle, the only codes in INJNUM are equal to "97", "99" or "00", then use code "00" (None) for this derived variable.
SAS Codes: .N for Blank (Not Collected). Unknown is not a valid code.

NUMBER SERIOUSLY INJURED IN THIS VEHICLE (AIS08 FORMAT) (SAS: VINJSER8)

This two place numeric value indicates the total number of fatally and other seriously injured occupants of this towed CDS applicable vehicle. It is derived by totaling for the vehicle either the number of occupant assessment records in which the TREATMENT-MORTALITY (SAS: TREATMNT) value is coded "1" (Fatal) or the number of occupant injury records in which the A.I.S. SEVERITY (AIS08 FORMAT) (SAS: AIS08) value equals "3-6." (Add together "1"s in TREATMNT and if the code in TREATMNT is not equal to "1", add one injury per occupant where AIS equals "3-6").

Source: TREATMENT-MORTALITY (SAS: TREATMNT) and A.I.S. SEVERITY (AIS08 FORMAT) (SAS: AIS08).
Missing Values:
Occupant injury and occupant assessment records will be missing for:

(1) Non CDS applicable vehicles-BODY TYPE (SAS: BODYTYPE) equals 50-99;
(2) Non towed CDS applicable vehicles -BODY TYPE (SAS: BODYTYPE) equals 01-49 AND POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 0 or 9;

(3) Towed CDS applicable vehicles with no occupants-BODY TYPE (SAS: BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 1 and NUMBER OF OCCUPANT FORMS SUBMITTED (SAS: OCCFORMS) equals 0.

Occupant injury records will be missing for Towed CDS applicable vehicles with no known occupant injuries-BODY TYPE (SAS: BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 1 and NUMBER OF RECORDED INJURIES THIS OCCUPANT (AIS08 FORMAT) (SAS: INJNUM08) equals 97, 99 or 00.

If none of the occupants in the vehicle has an occupant assessment record, or the vehicle's MODEL YEAR (SAS: MODELYR) is less than 2006, then code ".N" (Not Collected) is used in the SAS file. If, on all the occupant assessment records in the vehicle, the only codes in INJNUM08 are equal to "97, 99 or 00", then use code "00" (None) for this derived variable.
SAS Codes: .N for Blank (Not Collected). Unknown is not a valid code.

NUMBER INJURED IN THIS VEHICLE (AIS98 FORMAT) (SAS: VINJURED)

This two place numeric value indicates the total number of injured occupants of this towed CDS applicable vehicle. It is derived by totaling the number of occupant assessment records in which the variable NUMBER OF RECORDED INJURIES FOR THIS OCCUPANT (AIS98 FORMAT) (SAS: INJNUM) has a value of 01-97.

Source: NUMBER OF RECORDED INJURIES FOR THIS OCCUPANT (AIS98 FORMAT) (INJNUM).
Missing Values:
Occupant assessment records will be missing for:

(1) Non CDS applicable vehicles-BODY TYPE (SAS: BODYTYPE) equals 50-99;
(2) Non-towed CDS applicable vehicles -BODY TYPE (SAS: BODYTYPE) equals 01-49 AND POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 0 or 9;
(3) Towed CDS applicable vehicles with no occupants-BODY TYPE (SAS: BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 1 and NUMBER OF OCCUPANT FORMS SUBMITTED (OCCFORMS) equals 0.

Towed CDS applicable vehicles with no known occupant injuries will have codes-BODY TYPE (SAS: BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 1 and NUMBER OF RECORDED INJURIES THIS OCCUPANT (SAS: INJNUM) equals 99 or 00. Non-towed CDS applicable vehicles with no known occupant injuries will have codes-BODY TYPE (SAS: BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 0 or 9 and NUMBER OF RECORDED INJURIES THIS OCCUPANT (AIS98 FORMAT) (INJNUM) equals 99 or 00. If none of the occupants in the vehicle has

an occupant assessment record, or the vehicle's MODEL YEAR (SAS: MODELYR) is less than 2006, then code ".N" (Not Collected) is used on the SAS file. If, on all the occupant assessment records in the vehicle, the only codes in INJNUM are equal to "99" or "00", then use code "00" (None) for this derived variable.
SAS Codes: .N for Blank (Not Collected). Unknown is not a valid code.

NUMBER INJURED IN THIS VEHICLE (AIS08 FORMAT) (SAS: VINJURD8)

This two place numeric value indicates the total number of injured occupants of this towed CDS applicable vehicle. It is derived by totaling the number of occupant assessment records in which the variable NUMBER OF RECORDED INJURIES FOR THIS OCCUPANT (AIS08 FORMAT) (SAS: INJNUM08) has a value of 01-97.

Source: NUMBER OF RECORDED INJURIES FOR THIS OCCUPANT (AIS08 FORMAT) (INJNUM08).
Missing Values:
Occupant assessment records will be missing for:

(1) Non CDS applicable vehicles-BODY TYPE (SAS: BODYTYPE) equals 50-99;
(2) Non-towed CDS applicable vehicles -BODY TYPE (SAS: BODYTYPE) equals 01-49 AND POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 0 or 9;
(3) Towed CDS applicable vehicles with no occupants-BODY TYPE (SAS: BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 1 and NUMBER OF OCCUPANT FORMS SUBMITTED (OCCFORMS) equals 0.

Towed CDS applicable vehicles with no known occupant injuries will have codes-BODY TYPE (SAS: BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 1 and NUMBER OF RECORDED INJURIES THIS OCCUPANT (SAS: INJNUM08) equals "99" or "00". Non-towed CDS applicable vehicles with no known occupant injuries will have codes-BODY TYPE (SAS: BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 0 or 9 and NUMBER OF RECORDED INJURIES THIS OCCUPANT (AIS08 FORMAT) (INJNUM08) equals "99" or "00". If none of the occupants in the vehicle has an occupant assessment record, or the vehicle's MODEL YEAR (SAS: MODELYR) is less than 2006, then code ".N" (Not Collected) is used on the SAS file. If, on all the occupant assessment records in the vehicle, the only codes in INJNUM08 are equal to "99" or "00", then use code "00" (None) for this derived variable.
SAS Codes: .N for Blank (Not Collected). Unknown is not a valid code.

VIN LENGTH (SAS: VINLNGTH)

This two place numeric value indicates the number of characters in the Vehicle Identification Number (VIN) as originally recorded.

Source: VEHICLE IDENTIFICATION NUMBER (SAS: VIN).

Missing Values: None.
SAS Codes: .U for 99 (Unknown).

WEIGHT OF THE OTHER VEHICLE (SAS: OTVEHWGT)

This three place numeric value indicates the weight (in kilograms) of the other vehicle, if the most severe impact is with another CDS applicable vehicle. (This vehicle must be an inspected CDS applicable vehicle, the other vehicle need only be a CDS applicable vehicle). Values are coded as follows:

045	LESS THAN 450 KILOGRAMS
046 - 609	460-6,090 KILOGRAMS
610	6,100 KILOGRAMS OR MORE
998	NOT APPLICABLE (MOST SEVERE IMPACT NOT WITH ANOTHER VEHICLE OR WITH VEHICLE HITTING ITSELF)
999	UNKNOWN
.	NOT COLLECTED

This variable is derived by scanning the OBJECT CONTACTED (EV05) variable from the HIGHEST DELTA "V" as coded on the exterior vehicle record. If the object contacted is another CDS applicable vehicle, then the weight is derived by scanning the VEHICLE CURB WEIGHT variable as coded on the general vehicle record for the other CDS applicable vehicle.

Source: OBJECT CONTACTED (EV05), BODY TYPE (BODYTYPE) & VEHICLE CURB WEIGHT.
Missing Values: Exterior vehicle records will be missing and variables on general vehicle records will not be coded for Non-CDS applicable vehicles-BODY TYPE (BODYTYPE) equals 50-99. If the most severe impact is between an inspected CDS applicable vehicle and a non CDS applicable vehicle, then ".N" (Not Collected) on the SAS file. Exterior vehicle records will be missing for CDS applicable vehicles which are not inspected-BODY TYPE (BODYTYPE) equals 01-49 and TYPE OF VEHICLE INSPECTION equals 0. Code ".N" (Not Collected) is used on the SAS file. If the OBJECT CONTACTED variable is blank (non-collision event) for an inspected CDS applicable vehicle, then use code 998 (Not Applicable).
SAS Codes: .N for Blank (Not Collected) and .U for 999 (Unknown)

BODY TYPE OF THE OTHER VEHICLE (SAS: OTBDYTYP)

This two place numeric value indicates the body type of the other vehicle if the most severe impact is with another vehicle. (This vehicle must be an inspected CDS applicable vehicle, the other vehicle may be any vehicle type). If the impact is not with another vehicle, the value is coded as follows:

98	NOT APPLICABLE (MOST SEVERE IMPACT NOT WITH ANOTHER VEHICLE OR WITH VEHICLE HITTING ITSELF)
.	NOT COLLECTED

This variable is derived by scanning the OBJECT CONTACTED variable from the HIGHEST DELTA V as coded on the exterior vehicle record. If the object contacted is another vehicle, then the body type is derived by scanning the BODY TYPE (BODYTYPE) variable as coded on the general vehicle record for the other vehicle.

Source: OBJECT CONTACTED (SAS: OBJCONT1) and BODY TYPE (BODYTYPE).
Missing Values:
Exterior vehicle records will be missing for:

(1) Non CDS applicable vehicles-BODY TYPE (SAS: BODYTYPE) equals 50-99;
(2) Not Inspected CDS applicable vehicles-BODY TYPE (SAS: BODYTYPE) equals 01-49 and TYPE OF VEHICLE INSPECTION (SAS: INSPTYPE) equals 0.

For these vehicle types, use code ".N" (Not Collected) on the SAS file. If the OBJECT CONTACTED (SAS: OBJCONT1) variable is blank (noncollision event) for an inspected CDS applicable vehicle, then code 98 (Not Applicable) is used.
SAS Codes: .N for Blank (Not Collected) and .U for 99 (Unknown).

(**Note:** The following 20 data elements are supplied by PC VINA. The value "9" in a variable indicates an unknown VIN. A "Blank" in an alphanumeric variable or a "." in a numeric variable indicates an error in the VIN.)

VINA MAKE (SAS: VINMAKE)

This five place alphanumeric value indicates the National Crime Information Center (NCIC) code for vehicle make. 99999 denotes unknown.

This variable is derived by the VINA analysis system scanning the Vehicle Identification Number (VIN).

Source: VEHICLE IDENTIFICATION NUMBER (SAS: VIN).
Missing Values: If VINA VEHICLE TYPE is unknown (U), then VINA MAKE will be blank.
SAS Codes: None.

VINA MODEL (PASSENGER VEHICLE) (SAS: VINAMOD)

The Polk series code is a 6 place alphanumeric code (for a listing of these codes please refer to the Polk PC VINA manual). VINA MODEL contains the first three digits of the Polk series code. ****** NOTE: This is in conflict with the NASS-GES and FARS programs when VINA TYPE OF VEHICLE (SAS: VEHTYPE) equals Trucks (T). NASS-GES and FARS use the second three digits for Trucks.***

This variable is derived by VINA analysis scanning the Vehicle Identification Number (VIN).

Source: VEHICLE IDENTIFICATION NUMBER (SAS: VIN).

Missing Value: If VINA VEHICLE TYPE is unknown (.U), then VINA MODEL (SAS: PASS. VEH.) will be blank.
SAS Codes: None.

VINA SERIES (TRUCKS) (SAS: SERTR)

The Polk series code is a 6 place alphanumeric code (for a listing of these codes please refer to the Polk PC VINA manual). VINA SERIES contains the second three digits of the Polk series code. ****** NOTE: This is in conflict with the NASS-GES and FARS programs when VINA TYPE OF VEHICLE (SAS: VEHTYPE) equals Trucks (T). NASS-GES and FARS use the first three digits for Trucks.***

This variable is derived by the VINA analysis scanning the Vehicle Identification Number (VIN).

Source: VEHICLE IDENTIFICATION NUMBER (SAS: VIN).
Missing Value: If VINA VEHICLE TYPE is equal to Passenger Vehicle (P), Motorcycle (M) or Unknown (U), then VINA SERIES (TRUCKS) will be blank.
SAS Codes: None.

VIN BODY TYPE (SAS: VINBT)

This two place alphanumeric value indicates the vehicle's body type. The applicable codes and their descriptors are listed in the following table:

Body Type Codes

Passenger Vehicles			
AM	Ambulance	UT	Utility **
CB	Cab & Chassis (Luv)	WW	Wide Wheel Wagon
CP	Coupe	2D	Sedan 2 Dr.
CV	Convertible	2F	Formal Hardtop 2 Dr.
C4	Coupe 4 Dr.		
HB	Hatchback*	2H (81-03)	Hatchback 2 Dr.
HR	Hearse	2L	Liftback 3 Dr.
HT	Hardtop *	2P	Pillard Hardtop 2 Dr.
IN	Incomplete Passenger	2T	Hardtop 2 Dr.
LB	Liftback	2W	Wagon 2 Dr.
LM	Limousine	3D	Runabout 3 Dr.
NB	Notchback	3P	Coupe 3 Dr.
PK	Pickup **	4D	Sedan 4 Dr.
PN	Panel **	4H (81-03)	Hatchback 4 Dr.
P2	2 Passenger Low	4L	Liftback 5 Dr.
P4	4 Passenger Low	4P	Pillard Hardtop 4 Dr.
RD	Roadster	4T	Hardtop 4 Dr.
SB	Sport Hatchback	4W	Wagon 4 Dr.
SC	Sport Coupe	5D	Sedan 5 Dr.
SD	Sedan *		
SV	Sport Van		
SW	Station Wagon		

* Used only when number of doors is unknown

** To code trucks commonly registered as passenger vehicles

Trucks			
AC	Auto Carrier	MV	Maxi Van
AR	Armored Truck	MW	Maxi Wagon
BU	Bus	MY	Motorized Cutaway
CB	Chassis and Cab	PC	Club Cab Pickup
CC	Conventional Cab	PD	Parcel Delivery
CG	Cargo Van	PK	Pickup
CH	Crew Chassis	PM	Pickup with Camper mounted on bed
CL	Club Chassis	PN	Panel
CM	Concrete or Transit Mixer	PS	Super Cab Pickup
CR	Crane	RD	Roadster (Jeep, Jeep Commando)
CS	Super Cab/Chassis Pickup	SN	Step Van
CU	Custom Pickup	SP	Sport Pickup
CV	Convertible (Jeep Commando, Suzuki Samarai, Dodge Dakota)	ST	Stake or Rack
CW	Crew Pickup	SV	Sports Van
CY	Cargo Cutaway	SW	Station Wagon (Jeep Wagonneer, Dodge Sportsman A100, Toyota Landcruiser)
DP	Dump	TL	Tilt Tandem
DS	Tractor Truck (diesel)	TM	Tandem
EC	Extended Cargo Van	TN	Tank
ES	Extended Sport Van	TR	Tractor Truck (Gasoline)
EV	Ext Van	UT	Utility (Blazer, Jimmy, Scout, etc.)
EW	Extended Window Van	VC	Van Camper
FB	Flat-bed or Platform	VD	Display Van
FC	Forward Control	VN	Van

FT	Fire Truck	VT	Vanette (including Metro and Handy Van)
GG	Garbage or Refuse	VW	Window Van
GL	Gliders	WK	Tow Truck Wrecker
GN	Grain	WW	Wide Wheel Wagon
HO	Hopper	XT	Travelall
IC	Incomplete Chassis	YY	Cutaway
IE	Incomplete Ext Van	2W	2 Dr. Wagon
LG	Logger	3B	3 Dr. Extended Cab / Chassis
LL	Suburban & Carry All	3C	4 Dr. Extended Cab Pickup
LM	Limousine		
MH	Motorized Home	4B	4 Dr. Extended Cab / Chassis
MP	Multi-purpose	4C	4 Dr. Extended Cab Pickup
S1	One Seat	4W	4 Dr. Wagon
S2	Two Seat	8V	8 Passenger Sport Van
TB	Tilt Cab		

Motorcycles			
AT	All terrain	MY	Mini Cycle
EN	Enduro	RC	Racer
MK	Mini Bike	RS	Road/Street
MM	Mini Moto Cross	RT	Road/Trail
MP	Moped	T	Dirt
MR	Mini Road/Trail	TL	Trail/Dirt
MS	Motor Scooter	TR	Trails
MX	Moto Cross		

This variable is derived by the VINA analysis scanning the Vehicle Identification Number (VIN).

Source: VEHICLE IDENTIFICATION NUMBER (SAS: VIN).
Missing Value: If TYPE OF VEHICLE (SAS: VEHTYPE) is unknown (U), then VIN BODY TYPE (SAS: VINBT) will be blank.
SAS Codes: None.

ROOF TYPE (SAS: ROOF1)

This single place numeric value indicates the type of roof on the vehicle (model years 1985 and later) using the following codes:

1 None/not available
2 Manual sun/moon roof
3 Power sun/moon roof
4 Removable panels
5 Removable roof
6 retractable roof panel
7 Other/unknown

This variable is derived by the VINA analysis system scanning the Vehicle Identification Number (VIN).

Source: VEHICLE IDENTIFICATION NUMBER (SAS: VIN).
Missing Value: If TYPE OF VEHICLE (SAS: VEHTYPE) is unknown (U), then ROOF TYPE will be blank.
SAS Codes: "." for Blank.

OPTIONAL ROOF 1 (SAS: ROOF2)

This single place numeric value indicates the optional type of roof for the vehicle (model year 1985 and later) using the following codes:

1 None/not available
2 Manual sun/moon roof
3 Power sun/moon roof
4 Removable panels
5 Removable roof
6 retractable roof panel
7 Other/unknown

This variable is derived by the VINA analysis system scanning the Vehicle Identification Number (VIN).

Source: VEHICLE IDENTIFICATION NUMBER (SAS: VIN).
Missing Value: If TYPE OF VEHICLE (SAS: VEHTYPE) is unknown (U), then OPTIONAL ROOF 1 will be blank.
SAS Codes: "." for Blank.

OPTIONAL ROOF 2 (SAS: ROOF3)

This single place numeric value indicates the optional type of roof for the vehicle (model year 1985 and later) using the following codes:

1 None/not available
2 Manual sun/moon roof
3 Power sun/moon roof
4 Removable panels
5 Removable roof
6 retractable roof panel
7 Other/unknown

This variable is derived by the VINA analysis system scanning the Vehicle Identification Number (VIN).

Source: VEHICLE IDENTIFICATION NUMBER (VIN).
Missing Value: If TYPE OF VEHICLE (SAS: VEHTYPE) is unknown (U), then OPTIONAL ROOF 2 will be blank.
SAS Codes: "." for Blank.

ANTILOCK BRAKES (SAS: ANTILOCK)

This single place numeric value indicates if anti-lock brakes are available in the vehicle (model year 1985 and later) and if so, which axles have the system (if known). The following codes are used:

1 Not Available
2 4 wheel standard
3 Rear only standard
4 ABS standard, wheels unknown
5 4 wheel optional
6 Rear only optional
7 ABS optional, wheels unknown
9 Unknown

This variable is derived by the VINA analysis system scanning the Vehicle Identification Number (VIN).

Source: VEHICLE IDENTIFICATION NUMBER (SAS: VIN).
Missing Value: If TYPE OF VEHICLE (SAS: VEHTYPE) is unknown (U), then ANTILOCK BRAKES will be blank.
SAS Codes: "." for Blank.

FRONT WHEEL DRIVE (SAS: FRTWHLDR)

This single place alphanumeric value indicates if the vehicle (model year 1985 and later) is front wheel drive using the following codes.

N	No
Y	Yes
*	Some vehicles of this series

This variable is derived by the VINA analysis system scanning the Vehicle Identification Number (VIN).

Source: VEHICLE IDENTIFICATION NUMBER (VIN).
Missing Value: If TYPE OF VEHICLE (SAS: VEHTYPE) is unknown (U), then FRONT WHEEL DRIVE will be blank.
SAS Codes: None.

FOUR WHEEL DRIVE (SAS: FOURWHDR)

This single place alphanumeric value indicates if the vehicle (model year 1985 and later) is four wheel drive using the following codes.

N	No
Y	Yes
*	Some vehicles of this series

This variable is derived by the VINA analysis system scanning the Vehicle Identification Number (VIN).

Source: VEHICLE IDENTIFICATION NUMBER (VIN).
Missing Value: If TYPE OF VEHICLE (SAS: VEHTYPE) is unknown (U), then FOUR WHEEL DRIVE will be blank.
SAS Codes: None.

RESTRAINT TYPE (SAS: RESTYPE)

This single place alphanumeric value indicates the actual presence of the restraint type in the vehicle. The code cannot be used to determine whether the restraint is an optional or a standard feature of the vehicle. The codes are valid for model years 1985 to the current model year. The following codes are used:

A	Active (manual) belts
B	Driver front air bag/passenger side belt unknown
C	Dual front air bags/belt system unknown
D	Dual front air bag/passenger side passive belts
E	Dual front air bags/active belts
F	Dual front air bags/passive belts
G	Dual air bags front and side/belts unknown
H	Dual air bags front, head and sides/belts unknown
I	Dual air bags front, head and sides/passive belts

J Dual air bags front and sides/passive belts
K Dual air bags front and sides/active belts
L Dual air bags front, head and sides/active belt
M Driver front air bag/passenger side active belt
N If unable to determine
P Passive (automatic) belts
R Dual air bags front and side/active belts w/ automatic passenger sensor
S Dual air bags front, head, and side/active belts w/ automatic passenger sensor
T Dual air bags front/active belts/rear passenger side air bag
U (1985-1998) Unknown restraint type
U (1999-Present) Dual front air bags/active belts with passenger side deactivation cutoff switch
V Dual air bags front, head and side/active belts/rear dual side air bags
W Dual air bags front, head and side/active belts w/ automatic passenger sensor/ rear dual side airbags
X Dual air bags front/side air bag, driver-side only/active belts
Y Dual front and side air bags with passenger deactivation switch
3 Dual front & head airbags with passenger sensor; active belts
4 Dual front airbags with passenger sensor; active belts
7 Dual front, side & head airbags, Rear head airbags; active belts
9 Unknown

This variable is derived by the VINA analysis system scanning the Vehicle Identification Number (VIN).

Source: VEHICLE IDENTIFICATION NUMBER (VIN).
Missing Value: If TYPE OF VEHICLE (SAS: VEHTYPE) is unknown (U), then RESTRAINT TYPE will be blank.
SAS Codes: None.

CARBURETION (PASS VEH) (SAS: CARBUR)

This single place alphanumeric value contains the number of barrels for the engine or a descriptive code indicating that the engine is high performance, fuel-injected, turbo, or electronically controlled. The codes are for passenger vehicles only. The codes and their meanings are listed in the following table:

Carburetion Codes and Meanings		
Code	Number of BBL	Description of Engine
(a number)	Number specified by the code	Number of barrels for the engine (e.g. 4)
A*	1	Lower HP

B*	1	Higher HP
C	1	Turbo
D*	1	Turbo Low HP
E*	1	Turbo High HP
F	Unknown	A fuel injection rating code used when the manufacturer=s specifications do not show the number of barrels.
G	1	Electronically controlled
H	Unknown	A high performance rating code used when the manufacturer=s specifications do not show the number of barrels.
J*	2	Lower HP
K*	2	Higher HP
L	2	Turbo
M*	2	Turbo Low HP
N*	2	Turbo High HP
P	2	Electronically controlled
Q	Unknown	Electronically controlled
R	4	Electronically controlled
S*	4	Lower HP
T	1,2 or 4	Turbo Fuel Injected
U*	4	Higher HP
V	4	Turbo
W*	4	Turbo Low HP
X*	4	Turbo High HP
Y	Unknown	Turbo
Z	Unknown	Super Charged

*NOTE: These values are coded only when necessary to apply correct insurance symbol.

This variable is derived by the VINA analysis system scanning the Vehicle Identification Number (VIN).

Source: VEHICLE IDENTIFICATION NUMBER (VIN).

Missing Value: If TYPE OF VEHICLE (SAS: VEHTYPE) equals Trucks (T), Motorcycle (M) or unknown (U), then VINA CARBURETION (PASS VEH) will be blank.
SAS Codes: None.

FUEL CODE (SAS: FUELCODE)

This single place alphanumeric value indicates the type of fuel suggested by the manufacturer for the engine. The descriptive codes and their meanings are as follows:

B	Electric and gasoline hybrid engine
C	Gasoline engine that can be easily converted to a gaseous powered engine (powered by natural gas, propane, etc.)
D	Diesel
E	Electric
F	Flexible Fuel
G	Gas
H	Ethanol Fuel Only
M	Methanol Fuel Only
N	Compressed Natural Gas
P	Propane

This variable is derived by the VINA analysis system scanning the Vehicle Identification Number (VIN).

Source: VEHICLE IDENTIFICATION NUMBER (VIN).
Missing Value: If TYPE OF VEHICLE (SAS: VEHTYPE) is unknown (U), then VINA FUEL CODE will be blank.
SAS Codes: None.

TRUCK WEIGHT CODE (SAS: WGTCDTR)

This single place numeric value indicates the manufacturer's Gross Vehicle Weight Rating (GVWR). The descriptive codes and their meanings are as follows:

1	6,000 and less
2	6,001 - 10,000
3	10,001 - 14,000
4	14,001 - 16,000
5	16,001 - 19,500
6	19,501 - 26,000
7	26,001 - 33,000
8	33,001 - and more
9	weight unknown

This variable is derived by the VINA analysis system scanning the Vehicle Identification Number (VIN).

Source: VEHICLE IDENTIFICATION NUMBER (VIN).

Missing Value: If TYPE OF VEHICLE (SAS: VEHTYPE) equals Passenger Vehicle (P), Motorcycle (M) or unknown (U), then TRUCK WEIGHT CODE will be blank.
SAS Codes: "." for Blank.

VINA VEHICLE TYPE (SAS: VEHTYPE)

This single place alphanumeric value indicates the type of vehicle using the following values:

P	Passenger Vehicle
T	Truck
M	Motorcycle
U	Unknown

This variable is derived by the VINA analysis system scanning the Vehicle Identification Number (VIN).

Source: VEHICLE IDENTIFICATION NUMBER (VIN).
Missing Value: None.
SAS Codes: None.

NUMBER WHEELS/NUMBER OF DRIVE WHEELS (SAS: WHLDRWHL)

This two place numeric value contains information about truck wheels. The first position contains the total number of wheels. The second position contains the number of driving wheels.

This variable is derived by the VINA analysis system scanning the Vehicle Identification Number (VIN).

Source: VEHICLE IDENTIFICATION NUMBER (VIN).
Missing Value: If TYPE OF VEHICLE (SAS: VEHTYPE) equals Passenger Vehicle (P), Motorcycle (M) or unknown (U), then NUMBER WHEELS/NUMBER OF DRIVE WHEELS will be blank.
SAS Codes: "." for Blank.

DAYTIME RUNNING LIGHTS (SAS: DAYRUNLT)

This single place alphanumeric value indicates the availability of Daytime Running Lights. Values are coded as follows:

S	Standard
O	Optional
N	Not Available
U	Unknown

This variable is derived by the VINA analysis system scanning the Vehicle Identification Number (VIN).

Source: VEHICLE IDENTIFICATION NUMBER (VIN).

Missing Value: If TYPE OF VEHICLE (SAS: VEHTYPE) equals unknown (U), then DAYTIME RUNNING LIGHTS will be blank.
SAS Codes: None.

VIN VEHICLE WEIGHT (PASS VEH & M/C) (SAS: VEHWGT)

This four place numeric value indicates the base shipping weight (dry weight) of passenger vehicles and motorcycles.

This variable is derived by the VINA analysis system scanning the Vehicle Identification Number (VIN).

Source: VEHICLE IDENTIFICATION NUMBER (VIN).
Missing Value: If TYPE OF VEHICLE (SAS: VEHTYPE) equals unknown (U), then VIN VEHICLE WEIGHT (PASS VEH & M/C) will be blank.
SAS Codes: "." for Blank.

MOTORCYCLE ENGINE DISPLACEMENT (SAS: MCYCLDS)

This four place numeric value indicates the manufacturer's cubic centimeter (CC) displacement of the model.

This variable is derived by the VINA analysis system scanning the Vehicle Identification Number (VIN).

Source: VEHICLE IDENTIFICATION NUMBER (VIN).
Missing Value: If TYPE OF VEHICLE (SAS: VEHTYPE) equals Passenger Vehicle (P), Truck (T) or unknown (U), then MOTORCYCLE ENGINE DISPLACEMENT will be blank.
SAS Codes: "." for Blank.

VIN MODEL YEAR (SAS: VINMODYR)

This four place numeric value indicates the vehicle's model year.

This variable is derived by the VINA analysis system scanning the Vehicle Identification Number (VIN).

Source: VEHICLE IDENTIFICATION NUMBER (VIN).
Missing Value: If TYPE OF VEHICLE (SAS: VEHTYPE) equals unknown (U), then VIN MODEL YEAR will be blank.
SAS Codes: "." for Blank.

OCCUPANT ASSESSMENT RECORD

NUMBER OF RECORDED INJURIES (AIS98 FORMAT) (INJNUM)
This two digit numeric value indicates the number of AIS98 applicable injuries suffered by the occupant during the crash.

This variable is derived by scanning the Occupant Injury record. While the Occupant Injury record records all AIS08 injuries, only those injuries which can be mapped to an AIS98 code are counted. The mapping to AIS98 codes is done by scanning the scheme found in the AAAM Abbreviated Injury Scale (AIS) 2005 – Update 2008 manual. If no AIS98 applicable injuries exist, but AIS08 injuries exist, "0" is coded. If no injury codes exist on the Occupant Injury record, the value found in GLASGOW COMA SCALE (GCS) SCORE (SAS: GLASGOW) is used which will be either "0" (Not injured), "97" (Injured, details unknown) or ".U" (Unknown if injured)

Source: Occupant Injury record (SAS: OI) and GLASGOW COMA SCALE (GCS) SCORE (SAS: GLASGOW).
Missing Values: "." is used when MODEL YEAR (SAS: MODELYR) is less than 2006.

Occupant Injury and Occupant Assessment records will be missing for:

(1) Non CDS applicable vehicles BODY TYPE (SAS: BODYTYPE) equals 50-99;
(2) Non-towed CDS applicable vehicles BODY TYPE (SAS: BODYTYPE) equals 01-49 AND POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 0 or 9.

Occupant Injury records will be missing for:

(1) Towed CDS applicable vehicles with no known occupant injuries BODY TYPE (SAS: BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 1 and NUMBER OF RECORDED INJURIES THIS OCCUPANT (AIS08 FORMAT) (INJNUM08) equals 97, 99 or 00;
(2) Towed CDS applicable vehicles with a model year less than 2006 BODY TYPE (SAS: BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 1 and MODEL YEAR (SAS: MODELYR) less than 2006;

SAS Codes: .U for 99 (Unknown).

NUMBER OF RECORDED INJURIES (AIS08 FORMAT) (INJNUM08)

This two digit numeric value indicates the number of AIS08 applicable injuries suffered by the occupant during the crash.

This variable is derived by scanning the Occupant Injury record. If no records exist in the Occupant Injury dataset the value found in GLASGOW COMA SCALE (GCS) SCORE (SAS: GLASGOW) is used which will be either "0" (Not injured), "97" (Injured, details unknown) or ".U" (Unknown if injured)

Source: Occupant Injury record (SAS: OI) and GLASGOW COMA SCALE (GCS) SCORE (SAS: GLASGOW).

Missing Values: "." is used when MODEL YEAR (SAS: MODELYR) is less than 2006.

Occupant Injury and Occupant Assessment records will be missing for:

(1) Non CDS applicable vehicles BODY TYPE (SAS: BODYTYPE) equals 50-99;
(2) Non-towed CDS applicable vehicles BODY TYPE (SAS: BODYTYPE) equals 01-49 AND POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 0 or 9.

Occupant Injury records will be missing for:
(1) Towed CDS applicable vehicles with no known occupant injuries BODY TYPE (SAS: BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 1 and NUMBER OF RECORDED INJURIES THIS OCCUPANT (AIS08 FORMAT) (INJNUM08) equals 97, 99 or 00;
(2) Towed CDS applicable vehicles with a model year less than 2006 BODY TYPE (SAS: BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 1 and MODEL YEAR (SAS: MODELYR) less than 2006;

SAS Codes: .U for 99 (Unknown).

MAXIMUM KNOWN OCCUPANT AIS (AIS98 FORMAT) (SAS: MAIS)

This single place numeric value indicates the single most severe injury level reported for this occupant of a towed CDS applicable vehicle using the following order of codes:

6	MAXIMUM (UNTREATABLE) INJURY
5	CRITICAL INJURY
4	SEVERE INJURY
3	SERIOUS INJURY
2	MODERATE INJURY
1	MINOR INJURY
7	INJURED, UNKNOWN SEVERITY
9	UNKNOWN IF INJURED
0	NOT INJURED

This variable is derived by scanning the A.I.S. SEVERITY (AIS98 FORMAT) (SAS: AIS) variable on the Occupant Injury record. If this occupant does not have an Occupant Injury record or does not have any AIS98 codeable injuries, then scan the NUMBER OF RECORDED INJURIES FOR THIS OCCUPANT (AIS98 FORMAT) (SAS: INJNUM) variable on the Occupant Assessment record. Use the following order of codes: if "97," then code "7;" if "99," then code "9;" if "00," then code "0."

Source: A.I.S. SEVERITY (AIS98 FORMAT) (SAS: AIS) and NUMBER OF RECORDED INJURIES FOR THIS OCCUPANT (AIS98 FORMAT) (INJNUM).

Missing Values: "." is used when MODEL YEAR (SAS: MODELYR) is less than 2006.

Occupant Injury and Occupant Assessment records will be missing for:
(3) Non CDS applicable vehicles BODY TYPE (SAS: BODYTYPE) equals 50-99;

(4) Non-towed CDS applicable vehicles BODY TYPE (SAS: BODYTYPE) equals 01-49 AND POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 0 or 9.

Occupant Injury records will be missing for:

(3) Towed CDS applicable vehicles with no known occupant injuries BODY TYPE (SAS: BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 1 and NUMBER OF RECORDED INJURIES THIS OCCUPANT (AIS08 FORMAT) (INJNUM08) equals 97, 99 or 00;
(4) Towed CDS applicable vehicles with a model year less than 2006 BODY TYPE (SAS: BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 1 and MODEL YEAR (SAS: MODELYR) less than 2006;

SAS Codes: .U for 9 (Unknown).

MAXIMUM KNOWN OCCUPANT AIS (AIS08 FORMAT) (SAS: MAIS08)

This single place numeric value indicates the single most severe injury level reported for this occupant of a towed CDS applicable vehicle using the following order of codes:

6	MAXIMUM (UNTREATABLE) INJURY
5	CRITICAL INJURY
4	SEVERE INJURY
3	SERIOUS INJURY
2	MODERATE INJURY
1	MINOR INJURY
7	INJURED, UNKNOWN SEVERITY
9	UNKNOWN IF INJURED
0	NOT INJURED

This variable is derived by scanning the A.I.S. SEVERITY (AIS08 FORMAT) (SAS: AIS08) variable on the Occupant Injury record. If this occupant does not have an Occupant Injury record, then scan the NUMBER OF RECORDED INJURIES FOR THIS OCCUPANT (AIS08 FORMAT) (SAS: INJNUM08) variable on the Occupant Assessment record. Use the following order of codes: if "97," then code "7;" if "99," then code "9;" if "00," then code "0."

Source: A.I.S. SEVERITY (AIS08 FORMAT) (SAS: AIS08) and NUMBER OF RECORDED INJURIES FOR THIS OCCUPANT (AIS08 FORMAT) (INJNUM08).

Missing Values: "." is used when MODEL YEAR (SAS: MODELYR) is less than 2006.

Occupant Injury and Occupant Assessment records will be missing for:

(1) Non CDS applicable vehicles BODY TYPE (SAS: BODYTYPE) equals 50-99;
(2) Non-towed CDS applicable vehicles BODY TYPE (SAS: BODYTYPE) equals 01-49 AND POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 0 or 9.

Occupant Injury records will be missing for:

(1) Towed CDS applicable vehicles with no known occupant injuries BODY TYPE (SAS: BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 1 and NUMBER OF RECORDED INJURIES THIS OCCUPANT (AIS08 FORMAT) (INJNUM08) equals 97, 99 or 00;

(2) Towed CDS applicable vehicles with a model year less than 2006 BODY TYPE (SAS: BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 1 and MODEL YEAR (SAS: MODELYR) less than 2006;

SAS Codes: .U for 9 (Unknown).

INJURY SEVERITY SCORE (AIS98 FORMAT) (SAS: ISS)

This two place numeric value provides an index score indicating the relative severity of overall injury to the individual vehicle occupant of a towed CDS applicable vehicle using the following order of codes:

6	MAXIMUM (UNTREATABLE) INJURY
5	CRITICAL INJURY
4	SEVERE INJURY
3	SERIOUS INJURY
2	MODERATE INJURY
1	MINOR INJURY
0	NOT INJURED

It is derived by scanning the BODY REGION (AIS98 FORMAT) (SAS: REGION90) and the A.I.S. SEVERITY (AIS98 FORMAT) (SAS: AIS) variables on the Occupant Injury record. The I.S.S. score is calculated by adding the squares of the highest A.I.S. SEVERITY entries for each of the three most severely injured body regions. For A.I.S. Code "7" (Injury, Unknown Severity), use code "0". If the Occupant Injury record is missing, scan the NUMBER OF RECORDED INJURIES FOR THIS OCCUPANT (AIS98 FORMAT) (SAS: INJNUM) variable on the Occupant Assessment record. If the code in INJNUM equals "97," "99" or "00," then use code "0." An example of calculating an I.S.S. score is the following:

An occupant suffered serious injury (A.I.S.=3) to the legs (Body Region 5), moderate injury (A.I.S.=2) to the pelvic area (Body Region 4) and moderate to minor injuries elsewhere (A.I.S.=2). The resulting I.S.S. is the sum of the squares of these three A.I.S. Severity scores: (3**2) + (2**2) + (2**2) or 17.

Source: BODY REGION (AIS98 FORMAT) (SAS: REGION90) and A.I.S. SEVERITY (AIS98 FORMAT) (SAS: AIS).

Missing Values: "." is used when MODEL YEAR (SAS: MODELYR) is less than 2006.

Occupant Injury and Occupant Assessment records will be missing for:

(1) Non CDS applicable vehicles. BODY TYPE (BODYTYPE) equals 50-99;
(2) Non-towed CDS applicable vehicles. BODY TYPE (SAS: BODYTYPE) equals 01-49 and POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 0 or 9.

Occupant Injury records will be missing for:

(1) Towed CDS applicable vehicles with no known occupant injuries. BODY TYPE (SAS: BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 1 and NUMBER OF RECORDED INJURIES THIS OCCUPANT (AIS98 FORMAT) (SAS: INJNUM) equals 97, 99 or 00;
(2) Towed CDS applicable vehicles with a model year less than 2006. BODY TYPE (SAS: BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 1 and MODEL YEAR (SAS: MODELYR) is less than 2006.

SAS Codes: "." for Not Collected. Unknown is not a valid code.

INJURY SEVERITY SCORE (AIS08 FORMAT) (SAS: ISS08)

This two place numeric value provides an index score indicating the relative severity of overall injury to the individual vehicle occupant of a towed CDS applicable vehicle using the following order of codes:

6	MAXIMUM (UNTREATABLE) INJURY
5	CRITICAL INJURY
4	SEVERE INJURY
3	SERIOUS INJURY
2	MODERATE INJURY
1	MINOR INJURY
0	NOT INJURED

It is derived by scanning the BODY REGION (AIS08 FORMAT) (SAS: REGION08) and the A.I.S. SEVERITY (AIS08 FORMAT) (SAS: AIS08) variables on the Occupant Injury record. The I.S.S. score is calculated by adding the squares of the highest A.I.S. SEVERITY entries for each of the three most severely injured body regions. For A.I.S. Code "9" (Injury, Unknown Severity), use code "0". If the Occupant Injury record is missing, scan the NUMBER OF RECORDED INJURIES FOR THIS OCCUPANT (AIS08 FORMAT) (INJNUM08) variable on the Occupant Assessment record. If the code in INJNUM08 equals "97," "99" or "00," then use code "0." An example of calculating an I.S.S. score is the following:

An occupant suffered serious injury (A.I.S.=3) to the legs (Body Region 5), moderate injury (A.I.S.=2) to the pelvic area (Body Region 4) and moderate to minor injuries elsewhere (A.I.S.=2). The resulting I.S.S. is the sum of the squares of these three A.I.S. Severity scores: (3**2) + (2**2) + (2**2) or 17.

Source: BODY REGION (AIS08 FORMAT) (SAS: REGION08) and A.I.S. SEVERITY (AIS08 FORMAT) (SAS: AIS08).

Missing Values: "." is used when MODEL YEAR (SAS: MODELYR) is less than 2006.

Occupant Injury and Occupant Assessment records will be missing for:

(1) Non CDS applicable vehicles. BODY TYPE (SAS: BODYTYPE) equals 50-99;
(2) Non-towed CDS applicable vehicles. BODY TYPE (SAS: BODYTYPE) equals 01-49 and POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 0 or 9.

Occupant Injury records will be missing for:

(1) Towed CDS applicable vehicles with no known occupant injuries. BODY TYPE (SAS: BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 1 and NUMBER OF RECORDED INJURIES THIS OCCUPANT (AIS98 FORMAT) (SAS: INJNUM) equals 97, 99 or 00;
(2) Towed CDS applicable vehicles with a model year less than 2006. BODY TYPE (SAS: BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 1 and MODEL YEAR (SAS: MODELYR) is less than 2006.

SAS Codes: "." for Not Collected. Unknown is not a valid code.

OCCUPANT INJURY RECORD

BODY REGION (O.I.C. - A.I.S.) (SAS: BODYREG)

This single place alphanumeric value captures the body regions as defined in the 1988 Injury Coding Manual in accordance with the coding conventions of AIS-85. Values are coded as follows:

M	Abdomen	K	Knee
Q	Ankle - foot	L	Leg (lower)
A	Arm (upper)	Y	Lower limb(s) (whole or unknown part)
B	Back - thoracolumbar spine	N	Neck - cervical spine
C	Chest	P	Pelvic - hip
E	Elbow	S	Shoulder
F	Face	T	Thigh
R	Forearm	X	Upper limb (s) (whole or unknown part)
H	Head - skull	O	Whole body
U	Injured, unknown region	W	Wrist - hand

This variable is derived by scanning a coded table which converts AIS-98 injury codes to OIC (AIS-85) codes.

Source: BODY REGION (AIS98 FORMAT) (SAS: REGION90), TYPE OF ANATOMIC STRUCTURE (AIS98 FORMAT) (SAS: STRUTYPE), SPECIFIC ANATOMIC STRUCTURE (AIS98 FORMAT) (SAS: STRUSPEC), LEVEL OF INJURY (AIS98 FORMAT) (SAS: INJLEVEL) and coded table.

Missing Values: Blank is used in instances where there is no AIS98 injury translation found in the AAAM Abbreviated Injury Scale (AIS) 2005 – Update 2008 manual.

Occupant Injury records will be missing for:

(1) Non CDS applicable vehicles. BODY TYPE (SAS: BODYTYPE) equals 50-99;
(2) Non-towed CDS applicable vehicles. BODY TYPE (SAS: BODYTYPE) equals 01-49 AND POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 0 or 9;
(3) Towed CDS applicable vehicles with no known occupant injuries. BODY TYPE (SAS: BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 1 and NUMBER OF RECORDED INJURIES THIS OCCUPANT (AIS08 FORMAT) (SAS: INJNUM08) equals 99 or 00.

SAS Codes: None.

LESION (O.I.C. - A.I.S.) (SAS: LESION)

This single place alphanumeric value captures the lesions as defined in the 1988 Injury Coding Manual in accordance with the coding conventions of AIS-85.
Values are coded as follows:

A	Abrasion	Z	Fracture and dislocation
M	Amputation	U	Injured, unknown lesion
V	Avulsion	L	Laceration
B	Burn	O	Other
K	Concussion	P	Perforation, puncture
C	Contusion	R	Rupture
N	Crush	S	Sprain
G	Detachment, separation	T	Strain
D	Dislocation	E	Total severance, transection
F	Fracture		

This variable is derived by scanning a coded table which converts AIS-98 injury codes to OIC (AIS-85) codes.

Source: BODY REGION (AIS98 FORMAT) (SAS: REGION90), TYPE OF ANATOMIC STRUCTURE (AIS98 FORMAT) (SAS: STRUTYPE), SPECIFIC ANATOMIC STRUCTURE (AIS98 FORMAT) (SAS: STRUSPEC), LEVEL OF INJURY (AIS98 FORMAT) (SAS: INJLEVEL) and coded table.

Missing Values: Blank is used in instances where there is no AIS98 injury translation found in the AAAM Abbreviated Injury Scale (AIS) 2005 – Update 2008 manual.

Occupant Injury records will be missing for:

(1) Non CDS applicable vehicles. BODY TYPE (SAS: BODYTYPE) equals 50-99;
(2) Non-towed CDS applicable vehicles. BODY TYPE (SAS: BODYTYPE) equals 01-49 AND POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 0 or 9;
(3) Towed CDS applicable vehicles with no known occupant injuries. BODY TYPE (SAS: BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 1 and NUMBER OF RECORDED INJURIES THIS OCCUPANT (AIS08 FORMAT) (SAS: INJNUM08) equals 99 or 00.

SAS Codes: None.

SYSTEM ORGAN - AIS-85 (SAS: SYSORG)

This single place alphanumeric value captures the system organs as defined in the 1988 Injury Coding Manual in accordance with the coding conventions of AIS-85. Values are as follows:

W	All systems in region	L	Liver
A	Arteries - veins	M	Muscles
B	Brain	N	Nervous system
D	Digestive	P	Pulmonary - lungs
E	Ears	R	Respiratory
O	Eye	S	Skeletal
H	Heart	C	Spinal Cord
U	Injured, unknown system	Q	Spleen
I	Integumentary	T	Thyroid, other endocrine gland
J	Joints	G	Urogenital
K	Kidneys	V	Vertebrae

This variable is derived by scanning a coded table which converts AIS-98 injury codes to OIC (AIS-85) codes.

Source: BODY REGION (AIS98 FORMAT) (SAS: REGION90), TYPE OF ANATOMIC STRUCTURE (AIS98 FORMAT) (SAS: STRUTYPE), SPECIFIC ANATOMIC STRUCTURE (AIS98 FORMAT) (SAS: STRUSPEC), LEVEL OF INJURY (AIS98 FORMAT) (SAS: INJLEVEL) and coded table.

Missing Values: Blank is used in instances where there is no AIS98 injury translation found in the AAAM Abbreviated Injury Scale (AIS) 2005 – Update 2008 manual.

Occupant Injury records will be missing for:

(1) Non CDS applicable vehicles. BODY TYPE (SAS: BODYTYPE) equals 50-99;
(2) Non-towed CDS applicable vehicles. BODY TYPE (SAS: BODYTYPE) equals 01-49 AND POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 0 or 9;

(3) Towed CDS applicable vehicles with no known occupant injuries. BODY TYPE (SAS: BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 1 and NUMBER OF RECORDED INJURIES THIS OCCUPANT (AIS08 FORMAT) (SAS: INJNUM08) equals 99 or 00.

SAS Codes: None.

BODY REGION (AIS98 FORMAT) (SAS: REGION90)

This single place alphanumeric value captures the translated AIS98 scheme body region (code position 1) found in the "AAAM Abbreviated Injury Scale (AIS) 1990 - Update 98" manual. This code is assigned based upon the translation found in the "AAAM Abbreviated Injury Scale (AIS) 2005 – Update 2008" manual.

Source: BODY REGION (AIS08 FORMAT) (SAS: REGION08), TYPE OF ANATOMIC STRUCTURE (AIS08 FORMAT) (SAS: STRTYP08), SPECIFIC ANATOMIC STRUCTURE (AIS08 FORMAT) (SAS: STRSPC08), LEVEL OF INJURY (AIS08 FORMAT) (SAS: INJLVL08) and AAAM Abbreviated Injury Scale (AIS) 2005 – Update 2008 translation.

Missing Values: ".A" is used in instances where there is no AIS98 injury translation found in the AAAM Abbreviated Injury Scale (AIS) 2005 – Update 2008 manual.

Occupant Injury records will be missing for:

(1) Non CDS applicable vehicles. BODY TYPE (SAS: BODYTYPE) equals 50-99;
(2) Non-towed CDS applicable vehicles. BODY TYPE (SAS: BODYTYPE) equals 01-49 AND POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 0 or 9;
(3) Towed CDS applicable vehicles with no known occupant injuries. BODY TYPE (SAS: BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 1 and NUMBER OF RECORDED INJURIES THIS OCCUPANT (AIS08 FORMAT) (SAS: INJNUM08) equals 99 or 00.

SAS Codes: None.

TYPE OF ANATOMIC STRUCTURE (AIS98 FORMAT) (SAS: STRUTYPE)

This single place alphanumeric value captures the translated AIS98 scheme anatomic structure (code position 2) found in the "AAAM Abbreviated Injury Scale (AIS) 1990 - Update 98" manual. This code is assigned based upon the translation found in the "AAAM Abbreviated Injury Scale (AIS) 2005 – Update 2008" manual.

Source: BODY REGION (AIS08 FORMAT) (SAS: REGION08), TYPE OF ANATOMIC STRUCTURE (AIS08 FORMAT) (SAS: STRTYP08), SPECIFIC ANATOMIC STRUCTURE (AIS08 FORMAT) (SAS: STRSPC08), LEVEL OF INJURY (AIS08 FORMAT) (SAS: INJLVL08) and AAAM Abbreviated Injury Scale (AIS) 2005 – Update 2008 translation.

Missing Values: ".A" is used in instances where there is no AIS98 injury translation found in the AAAM Abbreviated Injury Scale (AIS) 2005 – Update 2008 manual.

Occupant Injury records will be missing for:

(1) Non CDS applicable vehicles. BODY TYPE (SAS: BODYTYPE) equals 50-99;
(2) Non-towed CDS applicable vehicles. BODY TYPE (SAS: BODYTYPE) equals 01-49 AND POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 0 or 9;
(3) Towed CDS applicable vehicles with no known occupant injuries. BODY TYPE (SAS: BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 1 and NUMBER OF RECORDED INJURIES THIS OCCUPANT (AIS08 FORMAT) (SAS: INJNUM08) equals 99 or 00.

SAS Codes: None.

SPECIFIC ANATOMIC STRUCTURE (AIS98 FORMAT) (SAS: STRUSPEC)

This single place alphanumeric value captures the translated AIS98 scheme anatomic structure (code positions 3 and 4) found in the "AAAM Abbreviated Injury Scale (AIS) 1990 - Update 98" manual. This code is assigned based upon the translation found in the "AAAM Abbreviated Injury Scale (AIS) 2005 – Update 2008" manual.

Source: BODY REGION (AIS08 FORMAT) (SAS: REGION08), TYPE OF ANATOMIC STRUCTURE (AIS08 FORMAT) (SAS: STRTYP08), SPECIFIC ANATOMIC STRUCTURE (AIS08 FORMAT) (SAS: STRSPC08), LEVEL OF INJURY (AIS08 FORMAT) (SAS: INJLVL08) and AAAM Abbreviated Injury Scale (AIS) 2005 – Update 2008 translation.

Missing Values: ".A" is used in instances where there is no AIS98 injury translation found in the AAAM Abbreviated Injury Scale (AIS) 2005 – Update 2008 manual.

Occupant Injury records will be missing for:

(1) Non CDS applicable vehicles. BODY TYPE (SAS: BODYTYPE) equals 50-99;

(2) Non-towed CDS applicable vehicles. BODY TYPE (SAS: BODYTYPE) equals 01-49 AND POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 0 or 9;
(3) Towed CDS applicable vehicles with no known occupant injuries. BODY TYPE (SAS: BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 1 and NUMBER OF RECORDED INJURIES THIS OCCUPANT (AIS08 FORMAT) (SAS: INJNUM08) equals 99 or 00.

SAS Codes: None.

INJURY LEVEL (AIS98 FORMAT)

This single place alphanumeric value captures the translated AIS98 scheme anatomic structure (code position 5 and 6) found in the "AAAM Abbreviated Injury Scale (AIS) 1990 - Update 98" manual. This code is assigned based upon the translation found in the "AAAM Abbreviated Injury Scale (AIS) 2005 – Update 2008" manual.

Source: BODY REGION (AIS08 FORMAT) (SAS: REGION08), TYPE OF ANATOMIC STRUCTURE (AIS08 FORMAT) (SAS: STRTYP08), SPECIFIC ANATOMIC STRUCTURE (AIS08 FORMAT) (SAS: STRSPC08), LEVEL OF INJURY (AIS08 FORMAT) (SAS: INJLVL08) and AAAM Abbreviated Injury Scale (AIS) 2005 – Update 2008 translation.

Missing Values: ".A" is used in instances where there is no AIS98 injury translation found in the AAAM Abbreviated Injury Scale (AIS) 2005 – Update 2008 manual.

Occupant Injury records will be missing for:

(1) Non CDS applicable vehicles. BODY TYPE (SAS: BODYTYPE) equals 50-99;
(2) Non-towed CDS applicable vehicles. BODY TYPE (SAS: BODYTYPE) equals 01-49 AND POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 0 or 9;
(3) Towed CDS applicable vehicles with no known occupant injuries. BODY TYPE (SAS: BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 1 and NUMBER OF RECORDED INJURIES THIS OCCUPANT (AIS08 FORMAT) (SAS: INJNUM08) equals 99 or 00.

SAS Codes: None.

A.I.S. SEVERITY (AIS98 FORMAT)

This single place alphanumeric value captures the translated AIS98 scheme anatomic structure (code position 7) found in the "AAAM Abbreviated Injury Scale (AIS) 1990 - Update 98" manual. This code is assigned based upon the translation found in the "AAAM Abbreviated Injury Scale (AIS) 2005 – Update 2008" manual.

Source: BODY REGION (AIS08 FORMAT) (SAS: REGION08), TYPE OF ANATOMIC STRUCTURE (AIS08 FORMAT) (SAS: STRTYP08), SPECIFIC ANATOMIC STRUCTURE (AIS08 FORMAT) (SAS: STRSPC08), LEVEL OF INJURY (AIS08 FORMAT) (SAS: INJLVL08) and AAAM Abbreviated Injury Scale (AIS) 2005 – Update 2008 translation.

Missing Values: ".A" is used in instances where there is no AIS98 injury translation found in the AAAM Abbreviated Injury Scale (AIS) 2005 – Update 2008 manual.

Occupant Injury records will be missing for:

(1) Non CDS applicable vehicles. BODY TYPE (SAS: BODYTYPE) equals 50-99;
(2) Non-towed CDS applicable vehicles. BODY TYPE (SAS: BODYTYPE) equals 01-49 AND POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 0 or 9;
(3) Towed CDS applicable vehicles with no known occupant injuries. BODY TYPE (SAS: BODYTYPE) equals 01-49, POLICE REPORTED VEHICLE DISPOSITION (SAS: TOWPAR) equals 1 and NUMBER OF RECORDED INJURIES THIS OCCUPANT (AIS08 FORMAT) (SAS: INJNUM08) equals 99 or 00.

SAS Codes: None.

SECTION 5

SAS FILE

NASS data are available in the form of a Statistical Analysis System (SAS) file. SAS is a highly flexible statistical package that provides a high level programming language for effective matrix manipulation and data management facilities.

SAS is a non-hierarchical database. The SAS database for NASS consists of eleven individual data sets, corresponding to the six NASS CDS data collection records. The exceptions are (1) the Case Summary record which is broken into four data sets, the Type Accident, the Accident Description, the Vehicle Profile and the Person Profile data sets; and (2) the Accident record which is broken into the Accident and the Accident Event data sets. The other datasets are General Vehicle, Exterior Vehicle, Interior Vehicle, Occupant Assessment and Occupant Injury. Using modified relational database concepts, SAS allows the natural hierarchical structure of NASS data to be fully explored by the analyst. An analyst can create a new SAS data set by merging data from several levels of the NASS hierarchy--e. g., vehicle and occupant levels--through use of an appropriate set of SAS commands within the DATA step.

SAS Database Contents

The variable names in the NASS/SAS data base are from the data collection forms or derived variables and are limited to eight characters. The SAS database is generally an exact representation of the data contained on the NASS master file. The only exceptions are the following:

- Numeric variables for which 9, 99, etc. represent "unknown" are recoded to the SAS special missing value .U ("dot-u") and are not included in percentage tabulations;

- The value of 95 ("test refused") for Alcohol Test Result For Driver (ALCTEST) has been recoded to .B; the value of 96 ("none given") has been recoded to .C; the value of 97 ("performed, results unknown") has been recoded to .D; the value of 98 ("no driver present") has been recoded to .E; and the value of 99 ("unknown") has been recoded to .U; these values are not included in percentage tabulations;

- Missing data for numeric values are recoded as "." in SAS and are not included in percentage tabulations;

- Values for OIC and AIS98 injury variables which are not compatible with AIS 2005/2008 codes are represented with .A.

- Values for derived variables which cannot be computed due to conditions where a form is not completed, e.g., non CDS applicable vehicle have been recoded to .N ("not coded");

- Hour of Day (Time) is stored as a SAS time value and has an output format of HHMM5.

PSU NUMBER (PSU), CASE NUMBER-STRATUM (CASEID) and CASE SEQUENCE NUMBER (CASENO) are identical variables across all NASS records. CASENO is the first three digits of CASEID.

Therefore, PSU and either CASENO or CASEID can be used to merge NASS record levels. Similarly, VEHICLE NUMBER (VEHNO) is identical in the General Vehicle, Exterior Vehicle, Interior Vehicle, Occupant Assessment and Occupant Injury record levels and can be used to merge these records in the DATA step. While sorting before merging datasets is always a good idea, all datasets have been sorted by their key fields.

The remainder of this Section presents the SAS layout for the current year NASS Analysis file. In general, the order of variables in the SAS data sets follows the order of data fields on the master file (and thus the order of items on the data collection forms used by NASS investigation teams). The user can invoke PROC CONTENTS to produce the following list of SAS variables:

The CONTENTS Procedure

Directory

Libref	NASS15
Engine	V9
Physical Name	C:\NASS2015
Filename	C:\NASS2015

#	Name	Member Type	File Size	Last Modified
1	ACCIDENT	DATA	246784	06Jul16:15:39:03
2	ACC_DESC	DATA	1065984	06Jul16:15:39:04
3	DUPVINS	DATA	5120	06Jul16:15:39:37
4	EVENT	DATA	242688	06Jul16:15:39:03
5	GV	DATA	1737728	06Jul16:15:39:03
6	LIST2015	DATA	42632192	18Apr16:12:21:22
7	OA	DATA	1524736	06Jul16:15:39:04
8	OI	DATA	590848	06Jul16:15:39:04
9	PERS_PRO	DATA	566272	06Jul16:15:39:04
10	TYP_ACC	DATA	263168	06Jul16:15:39:04
11	VE	DATA	672768	06Jul16:15:39:03
12	VEH_PRO	DATA	476160	06Jul16:15:39:04
13	VI	DATA	525312	06Jul16:15:39:03

The CONTENTS Procedure

Data Set Name	NASS15.ACCIDENT	Observations	2634
Member Type	DATA	Variables	25
Engine	V9	Indexes	0
Created	Wednesday, July 06, 2016 03:38:44 PM	Observation Length	88
Last Modified	Wednesday, July 06, 2016 03:38:44 PM	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
Label			
Data Representation	WINDOWS_32		
Encoding	wlatin1 Western (Windows)		

Engine/Host Dependent Information

Data Set Page Size	8192
Number of Data Set Pages	30
First Data Page	1
Max Obs per Page	92
Obs in First Data Page	45
Number of Data Set Repairs	0
Filename	C:\NASS2015\accident.sas7bdat
Release Created	9.0202M3
Host Created	W32_VSPRO

Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Label
1	AAIS	Num	3	MAXIMUM KNOWN AIS IN THIS CRASH (AIS98 FORMAT)
2	AAIS08	Num	3	MAXIMUM KNOWN AIS IN THIS CRASH (AIS08 FORMAT)
25	ADMINSS	Num	3	ADMINISTRATIVE USE
3	AINJSER	Num	3	NUMBER OF SERIOUSLY INJURED OCCUPANTS (AIS98 FORMAT)
4	AINJSER8	Num	3	NUMBER OF SERIOUSLY INJURED OCCUPANTS (AIS08 FORMAT)
6	AINJURD8	Num	3	TOTAL NUMBER OF INJURED OCCUPANTS (AIS08 FORMAT)
5	AINJURED	Num	3	TOTAL NUMBER OF INJURED OCCUPANTS (AIS98 FORMAT)
7	ALCINV	Num	3	ALCOHOL INVOLVED IN ACCIDENT
8	ATREAT	Num	3	MAXIMUM TREATMENT IN ACCIDENT
9	CASEID	Char	4	CASE NUMBER - STRATUM
10	CASENO	Num	3	CASE SEQUENCE NUMBER
11	DAYWEEK	Num	3	DAY OF WEEK OF ACCIDENT
12	DRGINV	Num	3	DRUG INVOLVED
13	EVENTS	Num	3	NUMBER OF RECORDED EVENTS IN ACCIDENT
14	MANCOLL	Num	3	MANNER OF COLLISION
15	MONTH	Num	3	MONTH OF ACCIDENT
16	NATWGT	Num	8	NATIONAL INFLATION FACTOR
17	PSU	Num	3	PRIMARY SAMPLING UNIT NUMBER
18	PSUSTRAT	Num	3	PRIMARY SAMPLING UNIT STRATIFICATION
19	RATWGT	Num	8	RATIO INFLATION FACTOR
20	STRATIF	Char	1	CASE STRATUM
21	TIME	Num	4	TIME OF ACCIDENT

The CONTENTS Procedure

Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Label
22	VEHFORMS	Num	3	NUMBER GENERAL VEHICLE FORMS SUBMITTED
24	VERSION	Num	3	VERSION NUMBER
23	YEAR	Num	3	YEAR OF ACCIDENT

The CONTENTS Procedure

Data Set Name	NASS15.ACC_DESC	Observations	10873
Member Type	DATA	Variables	7
Engine	V9	Indexes	0
Created	Wednesday, July 06, 2016 03:38:45 PM	Observation Length	97
Last Modified	Wednesday, July 06, 2016 03:38:45 PM	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
Label			
Data Representation	WINDOWS_32		
Encoding	wlatin1 Western (Windows)		

Engine/Host Dependent Information

Data Set Page Size	8192
Number of Data Set Pages	130
First Data Page	1
Max Obs per Page	84
Obs in First Data Page	65
Number of Data Set Repairs	0
Filename	C:\NASS2015\acc_desc.sas7bdat
Release Created	9.0202M3
Host Created	W32_VSPRO

Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Label
7	CASEID	Char	4	CASE NUMBER - STRATUM
4	CASENO	Num	3	CASE SEQUENCE NUMBER
6	LINENO	Num	3	LINE NUMBER
3	PSU	Num	3	PRIMARY SAMPLING UNIT NUMBER
5	STRATIF	Char	1	CASE STRATUM
2	TEXT71	Char	80	SUMMARY TEXT
1	VERSION	Num	3	VERSION NUMBER

The CONTENTS Procedure

Data Set Name	NASS15.EVENT	Observations	4836
Member Type	DATA	Variables	14
Engine	V9	Indexes	0
Created	Wednesday, July 06, 2016 03:38:44 PM	Observation Length	48
Last Modified	Wednesday, July 06, 2016 03:38:44 PM	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
Label			
Data Representation	WINDOWS_32		
Encoding	wlatin1 Western (Windows)		

Engine/Host Dependent Information

Data Set Page Size	4096
Number of Data Set Pages	59
First Data Page	1
Max Obs per Page	84
Obs in First Data Page	28
Number of Data Set Repairs	0
Filename	C:\NASS2015\event.sas7bdat
Release Created	9.0202M3
Host Created	W32_VSPRO

Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Label
1	ACCSEQ	Num	3	ACCIDENT EVENT SEQUENCE NUMBER
2	CASEID	Char	4	CASE NUMBER - STRATUM
3	CASENO	Num	3	CASE SEQUENCE NUMBER
5	CLASS1	Num	3	CLASS OF FIRST VEHICLE
4	CLASS2	Num	3	CLASS OF OTHER VEHICLE
6	GADEV1	Char	1	GENERAL AREA OF DAMAGE FIRST VEHICLE
7	GADEV2	Char	1	GENERAL AREA OF DAMAGE OTHER VEHICLE
9	NATWGT	Num	8	NATIONAL INFLATION FACTOR
8	OBJCONT	Num	3	OTHER VEHICLE NUMBER OR OBJECT CONTACTED
10	PSU	Num	3	PRIMARY SAMPLING UNIT NUMBER
11	RATWGT	Num	8	RATIO INFLATION FACTOR
12	STRATIF	Char	1	CASE STRATUM
13	VEHNUM	Num	3	VEHICLE NUMBER
14	VERSION	Num	3	VERSION NUMBER

The CONTENTS Procedure

Data Set Name	NASS15.GV	Observations	4815
Member Type	DATA	Variables	105
Engine	V9	Indexes	0
Created	Wednesday, July 06, 2016 03:38:44 PM	Observation Length	352
Last Modified	Wednesday, July 06, 2016 03:38:44 PM	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
Label			
Data Representation	WINDOWS_32		
Encoding	wlatin1 Western (Windows)		

Engine/Host Dependent Information

Data Set Page Size	16384
Number of Data Set Pages	106
First Data Page	1
Max Obs per Page	46
Obs in First Data Page	7
Number of Data Set Repairs	0
Filename	C:\NASS2015\gv.sas7bdat
Release Created	9.0202M3
Host Created	W32_VSPRO

Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Label
1	ACCSEQDV	Num	3	ACCIDENT SEQUENCE NO FOR HIGHEST DELTA V
2	ACCTYPE	Num	3	ACCIDENT TYPE
3	ALCTEST	Num	3	ALCOHOL TEST RESULT FOR DRIVER
45	ALIGNMNT	Num	3	ROADWAY ALIGNMENT
5	ANGOTHER	Num	3	HEADING ANGLE FOR OTHER VEHICLE
4	ANGTHIS	Num	3	HEADING ANGLE FOR THIS VEHICLE
89	ANTILOCK	Num	3	ANTILOCK BRAKES
7	BAREQSP	Num	3	BARRIER EQUIVALENT SPEED
8	BODYTYPE	Num	3	VEHICLE BODY TYPE
93	CARBUR	Char	1	CARBURETION
9	CARGOWGT	Num	3	VEHICLE CARGO WEIGHT
10	CASEID	Char	4	CASE NUMBER - STRATUM
11	CASENO	Num	3	CASE SEQUENCE NUMBER
6	CLIMATE	Num	3	WEATHER
12	CONDTREE	Num	3	POST COLLISION CONDITION OF TREE OR POLE
13	CURBWGT	Num	4	VEHICLE CURB WEIGHT
98	DAYRUNLT	Char	1	DAYTIME RUNNING LIGHTS
15	DOCTRAJ	Num	3	DOCUMENTATION OF TRAJECTORY DATA
17	DRINKING	Num	3	POLICE REPORTED ALCOHOL PRESENCE
16	DRIVDIST	Num	3	DRIVER'S DISTRACTION/INATTENTION TO DRIVING
18	DRPRES	Num	3	DRIVER PRESENCE IN VEHICLE
76	DRUGS	Num	3	REPORTED OTHER DRUG

The CONTENTS Procedure

Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Label
19	DRZIP	Num	4	DRIVER'S ZIP CODE
20	DVBASIS	Num	3	BASIS FOR TOTAL DELTA V (HIGHEST)
21	DVCONFID	Num	3	CONFIDENCE IN RECONSTRUCTION
14	DVEST	Num	3	ESTIMATED HIGHEST DELTA V
22	DVLAT	Num	3	LATERAL COMPONENT OF DELTA V
23	DVLONG	Num	3	LONGITUDINAL COMPONENT OF DELTA V
24	DVTOTAL	Num	3	TOTAL DELTA V
25	ENERGY	Num	4	ENERGY ABSORPTION
26	ETHNICIT	Num	3	ETHNICITY
91	FOURWHDR	Char	1	FOUR WHEEL DRIVE
27	FOVERIDE	Num	3	FRONT OVERRIDE/UNDERRIDE THIS VEHICLE
90	FRTWHLDR	Char	1	FRONT WHEEL DRIVE
94	FUELCODE	Char	1	FUEL CODE
28	IMPACTSP	Num	3	IMPACT SPEED
29	INSPTYPE	Num	3	TYPE OF VEHICLE INSPECTION
56	INTEROLL	Num	3	INTERRUPTED ROLLOVER
30	LANES	Num	3	NUMBER OF LANES
31	LGTCOND	Num	3	LIGHT CONDITIONS
32	MAKE	Num	3	VEHICLE MAKE
33	MANEUVER	Num	3	ATTEMPTED AVOIDANCE MANEUVER
80	MCYCLDS	Num	4	MOTORCYCLE ENGINE DISPLACEMENT
34	MODEL	Num	3	VEHICLE MODEL
35	MODELYR	Num	4	VEHICLE MODEL YEAR
36	NATWGT	Num	8	NATIONAL INFLATION FACTOR
37	OCCFORMS	Num	3	NUMBER OF OCCUPANT FORMS SUBMITTED
38	OCUPANTS	Num	3	NUMBER OF OCCUPANTS THIS VEHICLE
40	PREEVENT	Num	3	INITIAL CRITICAL (PRECRASH) EVENT
42	PREILOC	Num	3	PRE-IMPACT LOCATION
43	PREISTAB	Num	3	PRE-IMPACT STABILITY
41	PREMOVE	Num	3	PRE-EVENT MOVEMENT PRIOR REC CRIT EVENT
47	PROFILE	Num	3	ROADWAY PROFILE
55	PROLLMAN	Num	3	PRE ROLLOVER MANEUVER
44	PSU	Num	3	PRIMARY SAMPLING UNIT NUMBER
49	RACE	Num	3	RACE
39	RATWGT	Num	8	RATIO INFLATION FACTOR
50	RELINTER	Num	3	RELATION TO JUNCTION
92	RESTYPE	Char	1	RESTRAINT TYPE
51	ROLINDIR	Num	3	DIRECTION OF INITIAL ROLL
52	ROLINLOC	Num	3	LOCATION OF ROLLOVER
53	ROLINTYP	Num	3	ROLLOVER INITIATION TYPE
57	ROLLDIST	Num	3	ESTIMATED DISTANCE OF ROLLOVER
54	ROLLOBJ	Num	3	ROLLOVER INITIATION OBJECT CONTACTED
58	ROLLOVER	Num	3	ROLLOVER
86	ROOF1	Num	3	ROOF
87	ROOF2	Num	3	OPTIONAL ROOF 1
88	ROOF3	Num	3	OPTIONAL ROOF 2
59	ROVERIDE	Num	3	REAR OVERRIDE/UNDERRIDE THIS VEHICLE

The CONTENTS Procedure

Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Label
84	SERTR	Char	3	VIN SERIES TRUCK
60	SPECOTH	Num	3	OTHER DRUG: SPECIMEN TEST RESULTS
61	SPLIMIT	Num	3	SPEED LIMIT
62	STRATIF	Char	1	CASE STRATUM
46	SURCOND	Num	3	ROADWAY SURFACE CONDITION
48	SURTYPE	Num	3	ROADWAY SURFACE TYPE
63	TOWHITCH	Num	3	TOWED TRAILING UNIT
64	TOWPAR	Num	3	POLICE REPORTED VEHICLE DISPOSITION
65	TRAFCONT	Num	3	TRAFFIC CONTROL DEVICE
69	TRAFFLOW	Num	3	TRAFFICWAY FLOW
66	TRANSTAT	Num	3	TRANSPORT STATUS
68	TRAVELSP	Num	3	POLICE REPORTED TRAVEL SPEED
67	TRCTLFCT	Num	3	TRAFFIC CONTROL DEVICE FUNCTIONING
70	TRIPLOC	Num	3	LOC. ON VEH. WHERE INIT TRIP FORCE APPL
77	VAIS	Num	3	MAXIMUM KNOWN AIS IN THIS VEHICLE (AIS98 FORMAT)
78	VAIS08	Num	3	MAXIMUM KNOWN AIS IN THIS VEHICLE (AIS08 FORMAT)
71	VEHNO	Num	3	VEHICLE NUMBER
96	VEHTYPE	Char	1	TYPE OF VEHICLE
72	VEHUSE	Num	3	VEHICLE SPECIAL USE
81	VEHWGT	Num	4	VIN VEHICLE WEIGHT
75	VERSION	Num	3	VERSION NUMBER
73	VIN	Char	12	VEHICLE IDENTIFICATION NUMBER
83	VINAMOD	Char	3	VIN MODEL CARS AND TRUCKS
85	VINBT	Char	2	VIN BODY TYPE
101	VINJSER	Num	8	NUMBER SERIOUSLY INJURED IN THIS VEHICLE (AIS98 FORMAT)
102	VINJSER8	Num	8	NUMBER SERIOUSLY INJURED IN THIS VEHICLE (AIS08 FORMAT)
104	VINJURD8	Num	8	NUMBER INJURED IN THIS VEHICLE (AIS08 FORMAT)
103	VINJURED	Num	8	NUMBER INJURED IN THIS VEHICLE (AIS98 FORMAT)
74	VINLNGTH	Num	3	VIN LENGTH
82	VINMAKE	Char	4	VIN MAKE
79	VINMODYR	Num	4	VIN MODEL YEAR
105	VTREAT	Num	8	MAXIMUM TREATMENT IN THIS VEHICLE
95	WGTCDTR	Num	3	TRUCK WEIGHT CODE
97	WHLDRWHL	Num	3	NUMBER WHEELS/NUMBER OF DRIVE WHEELS
100	otbdytyp	Num	3	BODY TYPE OF THE OTHER VEHICLE
99	otvehwgt	Num	4	WEIGHT OF THE OTHER VEHICLE

The CONTENTS Procedure

Data Set Name	NASS15.OA	Observations	5481
Member Type	DATA	Variables	87
Engine	V9	Indexes	0
Created	Wednesday, July 06, 2016 03:38:44 PM	Observation Length	272
Last Modified	Wednesday, July 06, 2016 03:38:44 PM	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
Label			
Data Representation	WINDOWS_32		
Encoding	wlatin1 Western (Windows)		

Engine/Host Dependent Information

Data Set Page Size	16384
Number of Data Set Pages	93
First Data Page	1
Max Obs per Page	60
Obs in First Data Page	16
Number of Data Set Repairs	0
Filename	C:\NASS2015\oa.sas7bdat
Release Created	9.0202M3
Host Created	W32_VSPRO

Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Label
1	AGE	Num	3	AGE OF OCCUPANT
2	BAGAVAIL	Num	3	AIR BAG SYSTEM AVAILABILITY
47	BAGAVOTH	Num	3	OTHER FRONTAL AIR BAG AVAILABILITY/FUNCTION
3	BAGAVRPT	Num	3	POLICE REPORTED AIRBAG AVAILABILITY/FUNCTION
15	BAGCDC	Num	3	CDC FOR AIR BAG DEPLOYMENT IMPACT
6	BAGDAMAG	Num	3	WAS THERE DAMAGE TO THE AIR BAG
62	BAGDAMSO	Num	3	SOURCE OF AIR BAG DAMAGE
4	BAGDEPLY	Num	3	AIR BAG SYSTEM DEPLOYED
48	BAGDEPOT	Num	3	OTHER AIR BAG SYSTEM DEPLOYMENT
5	BAGEVENT	Num	3	AIR BAG DEPLOYMENT ACCIDENT EVENT SEQUENCE NUMBER
7	BAGFAIL	Num	3	AIR BAG SYSTEM FAILURE
28	BAGFLDAM	Num	3	WERE AIR BAG MODULE COVER FLAPS DAMAGED
29	BAGFLOPN	Num	3	DID AIR BAG MODULE COVER FLAPS OPEN AT DESG TEAR PTS
37	BAGMAINT	Num	3	PRIOR MAINTENANCE/SERVICE ON AIR BAG
8	BAGTYPE	Num	3	TYPE OF AIR BAG
9	BELTANCH	Num	3	SHOULDER BELT UPPER ANCHORAGE ADJUSTMENT
51	BELTSOU	Num	3	PRIMARY SOURCE OF BELT USE DETERMINATION
87	BICARB	Num	3	ARTERIAL BLOOD GASES (ABG) HCO3
86	BLOOD	Num	3	WAS THE OCCUPANT GIVEN BLOOD?
10	CASEID	Char	4	CASE NUMBER - STRATUM
11	CASENO	Num	3	CASE SEQUENCE NUMBER
12	CAUSE1	Num	3	1ST MEDICALLY REPORTED CAUSE OF DEATH

The CONTENTS Procedure

Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Label
13	CAUSE2	Num	3	2ND MEDICALLY REPORTED CAUSE OF DEATH
14	CAUSE3	Num	3	3RD MEDICALLY REPORTED CAUSE OF DEATH
16	CHHARNES	Num	3	CHILD SAFETY SEAT HARNESS USAGE
17	CHMAKE	Num	3	CHILD SAFETY SEAT MAKE/MODEL
18	CHORIENT	Num	3	CHILD SAFETY SEAT ORIENTATION
77	CHOWUSED	Num	3	HOW CHILD SAFETY SEAT USED
19	CHSHIELD	Num	3	CHILD SAFETY SEAT SHIELD USAGE
20	CHTETHER	Num	3	CHILD SAFETY SEAT TETHER USAGE
21	CHTYPE	Num	3	TYPE OF CHILD SAFETY SEAT
72	CHUSED	Num	3	WAS CHILD SEAT USED?
22	DEATH	Num	3	TIME TO DEATH
23	DVBAG	Num	3	LONGITUDINAL COMPONENT OF DELTA V FOR AIR BAG
24	EJCTAREA	Num	3	EJECTION AREA
25	EJCTMED	Num	3	EJECTION MEDIUM
26	EJECTION	Num	3	EJECTION
27	ENTRAP	Num	3	ENTRAPMENT
44	EYEWEAR	Num	3	WAS THE OCCUPANT WEARING EYE-WEAR
50	FETALDOA	Num	3	FETAL MORTALITY
85	GLASGOW	Num	3	GLASGOW COMA SCALE (GCS) SCORE
30	HEADREST	Num	3	HEAD RESTRAINT TYPE/DAMAGE BY OCCUPANT
31	HEIGHT	Num	3	HEIGHT OF OCCUPANT
32	HOSPSTAY	Num	3	HOSPITAL STAY
33	INJNUM	Num	3	NUMBER OF RECORDED INJURIES (AIS98 FORMAT)
34	INJNUM08	Num	3	NUMBER OF RECORDED INJURIES (AIS08 FORMAT)
35	INJSEV	Num	3	INJURY SEVERITY (POLICE RATING)
76	INTGREST	Num	3	INTEGRATED RESTRAINTS
36	ISS	Num	3	INJURY SEVERITY SCORE (AIS98 FORMAT)
74	ISS08	Num	3	INJURY SEVERITY SCORE (AIS08 FORMAT)
78	LATCHDES	Num	3	CHILD SEAFETY SEAT LATCH PRESENCE
79	LATCHUSE	Num	3	CHILD SAFETY SEAT LATCH USE
38	MAIS	Num	3	MAXIMUM KNOWN OCCUPANT AIS (AIS98 FORMAT)
75	MAIS08	Num	3	MAXIMUM KNOWN OCCUPANT AIS (AIS08 FORMAT)
39	MANAVAIL	Num	3	MANUAL BELT SYSTEM AVAILABILITY
40	MANFAIL	Num	3	MANUAL BELT FAILURE MODE DURING ACCIDENT
41	MANUSE	Num	3	MANUAL BELT SYSTEM USE
43	MEDFACIL	Num	3	TYPE MEDICAL FACILITY INITIAL TREATMENT
42	MEDSTA	Num	3	MEDIUM STATUS (PRIOR TO IMPACT)
45	OCCMOBIL	Num	3	OCCUPANT MOBILITY
46	OCCNO	Num	3	OCCUPANT NUMBER
70	OCCRACE	Num	3	OCCUPANTS RACE
71	OCETHNIC	Num	3	OCCUPANTS ETHNICITY
49	PARUSE	Num	3	POLICE REPORTED RESTRAINT USE
82	POSGUIDE	Num	3	BELT POSITIONING GUIDE ROUTED
80	POSPRES	Num	3	BELT POSITIONING DEVICE PRESENCE
52	POSTURE	Num	3	OCCUPANT'S POSTURE
81	POSUSE	Num	3	BELT POSITIONING DEVICE USE
53	PREVACC	Num	3	HAD VEHICLE BEEN IN PREVIOUS ACCIDENTS

The CONTENTS Procedure

Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Label
54	PSU	Num	3	PRIMARY SAMPLING UNIT NUMBER
56	RATWGT	Num	8	RATIO INFLATION FACTOR
57	ROLE	Num	3	OCCUPANT'S ROLE
73	ROLLPROT	Num	3	ROLLOVER PROTECTION
58	SEATPERF	Num	3	SEAT PERFORMANCE (THIS POSITION)
59	SEATPOS	Num	3	OCCUPANT'S SEAT POSITION
65	SEATRACK	Num	3	SEAT TRACK ADJUSTED POSITION PRIOR TO IMPACT
60	SEATTYPE	Num	3	SEAT TYPE (THIS OCCUPANT POSITION)
61	SEX	Num	3	OCCUPANT'S SEX
63	STBACINC	Num	3	SEAT BACK INCLINE PRIOR AND POST IMPACT
84	STORIENT	Num	3	SEAT ORIENTATION (THIS OCCUPANT POS.)
64	STRATIF	Char	1	CASE STRATUM
66	TREATMNT	Num	3	TREATMENT - MORTALITY
67	VEHNO	Num	3	VEHICLE NUMBER
83	VERSION	Num	3	VERSION NUMBER
68	WEIGHT	Num	3	OCCUPANT'S WEIGHT
69	WORKDAYS	Num	3	WORKING DAYS LOST
55	nATWGT	Num	8	NATIONAL INFLATION FACTOR

The CONTENTS Procedure

Data Set Name	NASS15.OI	Observations	5954
Member Type	DATA	Variables	29
Engine	V9	Indexes	0
Created	Wednesday, July 06, 2016 03:38:44 PM	Observation Length	96
Last Modified	Wednesday, July 06, 2016 03:38:44 PM	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
Label			
Data Representation	WINDOWS_32		
Encoding	wlatin1 Western (Windows)		

Engine/Host Dependent Information

Data Set Page Size	8192
Number of Data Set Pages	72
First Data Page	1
Max Obs per Page	84
Obs in First Data Page	37
Number of Data Set Repairs	0
Filename	C:\NASS2015\oi.sas7bdat
Release Created	9.0202M3
Host Created	W32_VSPRO

Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Label
1	AIS	Num	3	A.I.S. SEVERITY (AIS98 FORMAT)
29	AIS08	Num	3	A.I.S. SEVERITY (AIS08 FORMAT)
2	ASPECT90	Num	3	ASPECT90
22	BODYREG	Char	1	BODY REGION (O.I.C. - A.I.S.)
3	CASEID	Char	4	CASE NUMBER - STRATUM
4	CASENO	Num	3	CASE SEQUENCE NUMBER
5	DIRINJ	Num	3	DIRECT/INDIRECT INJURY
6	INJLEVEL	Num	3	INJURY LEVEL (AIS98 FORMAT)
28	INJLVL08	Num	3	INJURY LEVEL (AIS08 FORMAT)
7	INJNO	Num	3	INJURY NUMBER
8	INJSOU	Num	3	INJURY SOURCE
9	INTRUNO	Num	3	OCCUPANT AREA INTRUSION NO.
23	LESION	Char	1	LESION (O.I.C. - A.I.S.)
10	OCCNO	Num	3	OCCUPANT NUMBER
11	PSU	Num	3	PRIMARY SAMPLING UNIT NUMBER
13	RATWGT	Num	8	RATIO INFLATION FACTOR
25	REGION08	Num	3	BODY REGION (AIS08 FORMAT)
14	REGION90	Num	3	BODY REGION (AIS98 FORMAT)
15	SOUCON	Num	3	INJURY SOURCE CONFIDENCE LEVEL
16	SOUDAT	Num	3	SOURCE OF INJURY DATA
17	STRATIF	Char	1	CASE STRATUM
27	STRSPC08	Num	3	SPECIFIC ANATOMIC STRUCTURE (AIS08 FORMAT)

The CONTENTS Procedure

Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Label
26	STRTYPO8	Num	3	TYPE OF ANATOMIC STRUCTURE (AISO8 FORMAT)
18	STRUSPEC	Num	3	SPECIFIC ANATOMIC STRUCTURE (AIS98 FORMAT)
19	STRUTYPE	Num	3	TYPE OF ANATOMIC STRUCTURE (AIS98 FORMAT)
24	SYSORG	Char	1	SYSTEM/ORGAN (O.I.C. - A.I.S.)
20	VEHNO	Num	3	VEHICLE NUMBER
21	VERSION	Num	3	VERSION NUMBER
12	nATWGT	Num	8	NATIONAL INFLATION FACTOR

The CONTENTS Procedure

Data Set Name	NASS15.PERS_PRO	Observations	5694
Member Type	DATA	Variables	7
Engine	V9	Indexes	0
Created	Wednesday, July 06, 2016 03:38:45 PM	Observation Length	97
Last Modified	Wednesday, July 06, 2016 03:38:45 PM	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
Label			
Data Representation	WINDOWS_32		
Encoding	wlatin1 Western (Windows)		

Engine/Host Dependent Information

Data Set Page Size	8192
Number of Data Set Pages	69
First Data Page	1
Max Obs per Page	84
Obs in First Data Page	65
Number of Data Set Repairs	0
Filename	C:\NASS2015\pers_pro.sas7bdat
Release Created	9.0202M3
Host Created	W32_VSPRO

Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Label
7	CASEID	Char	4	CASE NUMBER - STRATUM
3	CASENO	Num	3	CASE SEQUENCE NUMBER
5	LINENO	Num	3	LINE NUMBER
2	PSU	Num	3	PRIMARY SAMPLING UNIT NUMBER
4	STRATIF	Char	1	CASE STRATUM
1	TEXT91	Char	80	SUMMARY TEXT
6	VERSION	Num	3	VERSION NUMBER

The CONTENTS Procedure

Data Set Name	NASS15.TYP_ACC	Observations	2634
Member Type	DATA	Variables	7
Engine	V9	Indexes	0
Created	Wednesday, July 06, 2016 03:38:45 PM	Observation Length	97
Last Modified	Wednesday, July 06, 2016 03:38:45 PM	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
Label			
Data Representation	WINDOWS_32		
Encoding	wlatin1 Western (Windows)		

Engine/Host Dependent Information

Data Set Page Size	8192
Number of Data Set Pages	32
First Data Page	1
Max Obs per Page	84
Obs in First Data Page	65
Number of Data Set Repairs	0
Filename	C:\NASS2015\typ_acc.sas7bdat
Release Created	9.0202M3
Host Created	W32_VSPRO

Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Label
7	CASEID	Char	4	CASE NUMBER - STRATUM
4	CASENO	Num	3	CASE SEQUENCE NUMBER
6	LINENO	Num	3	LINE NUMBER
3	PSU	Num	3	PRIMARY SAMPLING UNIT NUMBER
5	STRATIF	Char	1	CASE STRATUM
2	TEXT66	Char	80	SUMMARY TEXT
1	VERSION	Num	3	VERSION NUMBER

The CONTENTS Procedure

Data Set Name	NASS15.VE	Observations	3274
Member Type	DATA	Variables	65
Engine	V9	Indexes	0
Created	Wednesday, July 06, 2016 03:38:44 PM	Observation Length	200
Last Modified	Wednesday, July 06, 2016 03:38:44 PM	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
Label			
Data Representation	WINDOWS_32		
Encoding	wlatin1 Western (Windows)		

Engine/Host Dependent Information

Data Set Page Size	16384
Number of Data Set Pages	41
First Data Page	1
Max Obs per Page	81
Obs in First Data Page	36
Number of Data Set Repairs	0
Filename	C:\NASS2015\ve.sas7bdat
Release Created	9.0202M3
Host Created	W32_VSPRO

Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Label
1	ACCSEQ1	Num	3	ACCIDENT EVENT SEQUENCE (HIGHEST)
2	ACCSEQ2	Num	3	ACCIDENT EVENT SEQUENCE (2ND HIGHEST)
3	ALTVEH	Num	3	MULTI-STAGE MANUFACTURED/CERT. ALT. VEH.
5	CASEID	Char	4	CASE NUMBER - STRATUM
6	CASENO	Num	3	CASE SEQUENCE NUMBER
7	DIRDAMW	Num	3	DIRECT DAMAGE WIDTH
8	DOCCDC	Num	3	CDCs DOCUMENTED BUT NOT CODED ON FILE?
17	DOF1	Num	3	DIRECTION OF FORCE (HIGHEST)
18	DOF2	Num	3	DIRECTION OF FORCE (2ND HIGHEST)
9	DVC1	Num	3	CRUSH PROFILE C1 (HIGHEST)
10	DVC2	Num	3	CRUSH PROFILE C2 (HIGHEST)
11	DVC3	Num	3	CRUSH PROFILE C3 (HIGHEST)
12	DVC4	Num	3	CRUSH PROFILE C4 (HIGHEST)
13	DVC5	Num	3	CRUSH PROFILE C5 (HIGHEST)
14	DVC6	Num	3	CRUSH PROFILE C6 (HIGHEST)
15	DVD	Num	3	CRUSH PROFILE D (HIGHEST)
16	DVL	Num	3	CRUSH PROFILE L (HIGHEST)
20	EXTENT1	Num	3	DEFORMATION EXTENT (HIGHEST)
21	EXTENT2	Num	3	DEFORMATION EXTENT (2ND HIGHEST)
26	FIRE	Num	3	FIRE OCCURRENCE
27	FIREORIG	Num	3	ORIGIN OF FIRE
22	FUELCAP1	Num	3	LOCATION OF FUEL TANK-1 FILLER CAP

The CONTENTS Procedure

Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Label
23	FUELCAP2	Num	3	LOCATION OF FUEL TANK-2 FILLER CAP
28	FUELDAM1	Num	3	DAMAGE TO FUEL TANK-1
29	FUELDAM2	Num	3	DAMAGE TO FUEL TANK-2
38	FUELEAK1	Num	3	LEAKAGE LOCATION OF FUEL SYSTEM-1
39	FUELEAK2	Num	3	LEAKAGE LOCATION OF FUEL SYSTEM-2
41	FUELGT2	Num	3	EQUIPPED WITH MORE THAN TWO FUEL TANKS
32	FUELLOC1	Num	3	LOCATION OF FUEL TANK-1
33	FUELLOC2	Num	3	LOCATION OF FUEL TANK-2
24	FUELPRE1	Num	3	FUEL TANK-1 PRECRASH CONDITIONS
25	FUELPRE2	Num	3	FUEL TANK-2 PRECRASH CONDITIONS
34	FUELTNK1	Num	3	TYPE OF FUEL TANK-1
35	FUELTNK2	Num	3	TYPE OF FUEL TANK-2
36	FUELTYP1	Num	3	FUEL TYPE-1
37	FUELTYP2	Num	3	FUEL TYPE-2
30	GAD1	Char	1	DEFORMATION LOCATION (HIGHEST)
31	GAD2	Char	1	DEFORMATION LOCATION (2ND HIGHEST)
40	NATWGT	Num	8	NATIONAL INFLATION FACTOR
42	OBJCONT1	Num	3	OBJECT CONTACTED (HIGHEST)
43	OBJCONT2	Num	3	OBJECT CONTACTED (2ND HIGHEST)
4	ORIGAVTW	Num	3	ORIGINAL AVERAGE TRACK WIDTH
44	PDOF1	Num	3	CLOCK DIRECTION FOR PDOF IN DEGREES (HIGHEST CDC)
45	PDOF2	Num	3	CLOCK DIRECTION FOR PDOF IN DEGREES (2ND HIGHEST CDC)
46	PSU	Num	3	PRIMARY SAMPLING UNIT NUMBER
47	RATWGT	Num	8	RATIO INFLATION FACTOR
48	SDVC1	Num	3	CRUSH PROFILE C1 (2ND HIGHEST)
49	SDVC2	Num	3	CRUSH PROFILE C2 (2ND HIGHEST)
50	SDVC3	Num	3	CRUSH PROFILE C3 (2ND HIGHEST)
51	SDVC4	Num	3	CRUSH PROFILE C4 (2ND HIGHEST)
52	SDVC5	Num	3	CRUSH PROFILE C5 (2ND HIGHEST)
53	SDVC6	Num	3	CRUSH PROFILE C6 (2ND HIGHEST)
54	SDVD	Num	3	CRUSH PROFILE D (2ND HIGHEST)
55	SDVL	Num	3	CRUSH PROFILE L (2ND HIGHEST)
56	SHL1	Char	1	SPECIFIC LONGITUDINAL LOCATION (HIGHEST)
57	SHL2	Char	1	SPECIFIC LONGITUDINAL LOC. (2ND HIGHEST)
58	STRATIF	Char	1	CASE STRATUM
59	SVL1	Char	1	SPECIFIC VERTICAL LOCATION (HIGHEST)
60	SVL2	Char	1	SPECIFIC VERTICAL LOCATION (2ND HIGHEST)
61	TDD1	Char	1	TYPE OF DAMAGE DISTRIBUTION (HIGHEST)
62	TDD2	Char	1	TYPE OF DAMAGE DISTRIBUTION(2ND HIGHEST)
19	UNDENDW	Num	3	UNDEFORMED END WIDTH
63	VEHNO	Num	3	VEHICLE NUMBER
65	VERSION	Num	3	VERSION NUMBER
64	WHEELBAS	Num	8	ORIGINAL WHEELBASE

The CONTENTS Procedure

Data Set Name	NASS15.VEH_PRO	Observations	4848
Member Type	DATA	Variables	7
Engine	V9	Indexes	0
Created	Wednesday, July 06, 2016 03:38:45 PM	Observation Length	97
Last Modified	Wednesday, July 06, 2016 03:38:45 PM	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
Label			
Data Representation	WINDOWS_32		
Encoding	wlatin1 Western (Windows)		

Engine/Host Dependent Information

Data Set Page Size	8192
Number of Data Set Pages	58
First Data Page	1
Max Obs per Page	84
Obs in First Data Page	65
Number of Data Set Repairs	0
Filename	C:\NASS2015\veh_pro.sas7bdat
Release Created	9.0202M3
Host Created	W32_VSPRO

Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Label
7	CASEID	Char	4	CASE NUMBER - STRATUM
4	CASENO	Num	3	CASE SEQUENCE NUMBER
6	LINENO	Num	3	LINE NUMBER
3	PSU	Num	3	PRIMARY SAMPLING UNIT NUMBER
5	STRATIF	Char	1	CASE STRATUM
2	TEXT81	Char	80	SUMMARY TEXT
1	VERSION	Num	3	VERSION NUMBER

The CONTENTS Procedure

Data Set Name	NASS15.VI	Observations	1593
Member Type	DATA	Variables	99
Engine	V9	Indexes	0
Created	Wednesday, July 06, 2016 03:38:44 PM	Observation Length	312
Last Modified	Wednesday, July 06, 2016 03:38:44 PM	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
Label			
Data Representation	WINDOWS_32		
Encoding	wlatin1 Western (Windows)		

Engine/Host Dependent Information

Data Set Page Size	16384
Number of Data Set Pages	32
First Data Page	1
Max Obs per Page	52
Obs in First Data Page	9
Number of Data Set Repairs	0
Filename	C:\NASS2015\vi.sas7bdat
Release Created	9.0202M3
Host Created	W32_VSPRO

Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Label
49	ADAPTEQ	Num	3	ADAPTIVE (ASSISTIVE) DRIVING EQUIPMENT
1	CASEID	Char	4	CASE NUMBER - STRATUM
2	CASENO	Num	3	CASE SEQUENCE NUMBER
51	CDRIR1	Num	3	1ST DOMINANT CRUSH DIRECTION
55	CDRIR2	Num	3	2ND DOMINANT CRUSH DIRECTION
59	CDRIR3	Num	3	3RD DOMINANT CRUSH DIRECTION
63	CDRIR4	Num	3	4TH DOMINANT CRUSH DIRECTION
67	CDRIR5	Num	3	5TH DOMINANT CRUSH DIRECTION
71	CDRIR6	Num	3	6TH DOMINANT CRUSH DIRECTION
75	CDRIR7	Num	3	7TH DOMINANT CRUSH DIRECTION
79	CDRIR8	Num	3	8TH DOMINANT CRUSH DIRECTION
83	CDRIR9	Num	3	9TH DOMINANT CRUSH DIRECTION
87	CDRIR10	Num	3	10TH DOMINANT CRUSH DIRECTION
96	COLMTELE	Num	3	TELESCOPING STEERING COLUMN ADJUSTMENT
97	COLMTILT	Num	3	TILT STEERING COLUMN ADJUSTMENT
50	COLUMTYP	Num	3	STEERING COLUMN TYPE
3	FAILLF	Num	3	LF DAMAGE/FAILURE ASSOCIATED W
4	FAILLR	Num	3	LR DAMAGE/FAILURE - OPENING IN COLLISION
5	FAILRF	Num	3	RF DAMAGE/FAILURE - OPENING IN COLLISION
6	FAILRR	Num	3	RR DAMAGE/FAILURE - OPENING IN COLLISION
7	FAILTG	Num	3	TG DAMAGE/FAILURE - OPENING IN COLLISION
8	GLIMPBL	Num	3	BL GLAZING DAMAGE FROM IMPACT FORCES

The CONTENTS Procedure

Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Label
9	GLIMPLF	Num	3	LF GLAZING DAMAGE FROM IMPACT FORCES
10	GLIMPLR	Num	3	LR GLAZING DAMAGE FROM IMPACT FORCES
11	GLIMPOTH	Num	3	OTHER GLAZING DAMAGE FROM IMPACT FORCES
12	GLIMPRF	Num	3	RF GLAZING DAMAGE FROM IMPACT FORCES
13	GLIMPRR	Num	3	RR GLAZING DAMAGE FROM IMPACT FORCES
14	GLIMPRUF	Num	3	ROOF GLAZING DAMAGE FROM IMPACT FORCES
15	GLIMPWS	Num	3	WS GLAZING DAMAGE FROM IMPACT FORCES
16	GLOCCBL	Num	3	BL GLAZING DAMAGE FROM OCCUPANT CONTACT
17	GLOCCLF	Num	3	LF GLAZING DAMAGE FROM OCCUPANT CONTACT
18	GLOCCLR	Num	3	LR GLAZING DAMAGE FROM OCCUPANT CONTACT
19	GLOCCOTH	Num	3	OTHER GLAZING DAMAGE FROM OCC. CONTACT
20	GLOCCRF	Num	3	RF GLAZING DAMAGE FROM OCCUPANT CONTACT
21	GLOCCRR	Num	3	RR GLAZING DAMAGE FROM OCCUPANT CONTACT
22	GLOCCRUF	Num	3	ROOF GLAZING DAMAGE FROM OCC. CONTACT
23	GLOCCWS	Num	3	WS GLAZING DAMAGE FROM OCCUPANT CONTACT
24	GLPREBL	Num	3	BL WINDOW PRECRASH GLAZING STATUS
25	GLPRELF	Num	3	LF WINDOW PRECRASH GLAZING STATUS
26	GLPRELR	Num	3	LR WINDOW PRECRASH GLAZING STATUS
27	GLPREOTH	Num	3	OTHER WINDOW PRECRASH GLAZING STATUS
28	GLPRERF	Num	3	RF WINDOW PRECRASH GLAZING STATUS
29	GLPRERR	Num	3	RR WINDOW PRECRASH GLAZING STATUS
30	GLPRERUF	Num	3	ROOF WINDOW PRECRASH GLAZING STATUS
31	GLPREWS	Num	3	WS WINDOW PRECRASH GLAZING STATUS
32	GLTYPBL	Num	3	BL TYPE OF WINDOW/WINDSHIELD GLAZING
33	GLTYPLF	Num	3	LF TYPE OF WINDOW/WINDSHIELD GLAZING
34	GLTYPLR	Num	3	LR TYPE OF WINDOW/WINDSHIELD GLAZING
35	GLTYPOTH	Num	3	OTHER TYPE OF WINDOW/WINDSHIELD GLAZING
36	GLTYPRF	Num	3	RF TYPE OF WINDOW/WINDSHIELD GLAZING
37	GLTYPRR	Num	3	RR TYPE OF WINDOW/WINDSHIELD GLAZING
38	GLTYPRUF	Num	3	ROOF TYPE OF WINDOW/WINDSHIELD GLAZING
39	GLTYPWS	Num	3	WS TYPE OF WINDOW/WINDSHIELD GLAZING
53	INCOMP1	Num	3	1ST INTRUDING COMPONENT
57	INCOMP2	Num	3	2ND INTRUDING COMPONENT
61	INCOMP3	Num	3	3RD INTRUDING COMPONENT
65	INCOMP4	Num	3	4TH INTRUDING COMPONENT
69	INCOMP5	Num	3	5TH INTRUDING COMPONENT
73	INCOMP6	Num	3	6TH INTRUDING COMPONENT
77	INCOMP7	Num	3	7TH INTRUDING COMPONENT
81	INCOMP8	Num	3	8TH INTRUDING COMPONENT
85	INCOMP9	Num	3	9TH INTRUDING COMPONENT
89	INCOMP10	Num	3	10TH INTRUDING COMPONENT
52	INLOC1	Num	3	1ST LOCATION OF INTRUSION
56	INLOC2	Num	3	2ND LOCATION OF INTRUSION
60	INLOC3	Num	3	3RD LOCATION OF INTRUSION
64	INLOC4	Num	3	4TH LOCATION OF INTRUSION
68	INLOC5	Num	3	5TH LOCATION OF INTRUSION
72	INLOC6	Num	3	6TH LOCATION OF INTRUSION

The CONTENTS Procedure

Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Label
76	INLOC7	Num	3	7TH LOCATION OF INTRUSION
80	INLOC8	Num	3	8TH LOCATION OF INTRUSION
84	INLOC9	Num	3	9TH LOCATION OF INTRUSION
88	INLOC10	Num	3	10TH LOCATION OF INTRUSION
54	INMAG1	Num	3	1ST MAGNITUDE OF INTRUSION
58	INMAG2	Num	3	2ND MAGNITUDE OF INTRUSION
62	INMAG3	Num	3	3RD MAGNITUDE OF INTRUSION
66	INMAG4	Num	3	4TH MAGNITUDE OF INTRUSION
70	INMAG5	Num	3	5TH MAGNITUDE OF INTRUSION
74	INMAG6	Num	3	6TH MAGNITUDE OF INTRUSION
78	INMAG7	Num	3	7TH MAGNITUDE OF INTRUSION
82	INMAG8	Num	3	8TH MAGNITUDE OF INTRUSION
86	INMAG9	Num	3	9TH MAGNITUDE OF INTRUSION
90	INMAG10	Num	3	10TH MAGNITUDE OF INTRUSION
91	NATWGT	Num	8	NATIONAL INFLATION FACTOR
92	ODOMETER	Num	3	ODOMETER READING
40	OPENLF	Num	3	LF DOOR, TAILGATE OR HATCH OPENING
41	OPENLR	Num	3	LR DOOR, TAILGATE OR HATCH OPENING
42	OPENRF	Num	3	RF DOOR, TAILGATE OR HATCH OPENING
43	OPENRR	Num	3	RR DOOR, TAILGATE OR HATCH OPENING
44	OPENTG	Num	3	TG DOOR, TAILGATE OR HATCH OPENING
45	PASINTEG	Num	3	PASSENGER COMPARTMENT INTEGRITY
98	POSTINT	Num	3	POST CRASH INTEGRITY LOSS
46	PSU	Num	3	PRIMARY SAMPLING UNIT NUMBER
93	RATWGT	Num	8	RATIO INFLATION FACTOR
94	RDEFLOC	Num	3	LOCATION STEERING RIM/SPOKE DEFORMATION
95	RIMDEF	Num	3	STEERING RIM/SPOKE DEFORMATION
47	STRATIF	Char	1	CASE STRATUM
48	VEHNO	Num	3	VEHICLE NUMBER
99	VERSION	Num	3	VERSION NUMBER

APPENDIX A

DATA COLLECTION FORMS

(These forms can be found in the NASS Data Collection, Coding and Editing Manual)

APPENDIX B

CODING INFORMATION FOR VEHICLE MAKE/MODEL
(The complete codes can be found in the NASS Data Collection, Coding and Editing Manual)

The primary source of information on vehicle make and model is vehicle inspection; the VIN provides vehicle make data. Secondary sources include the police report and interviews. If the make of the vehicle is known and the model is not known, but the vehicle type (e. g., passenger car) is known, then Vehicle Model is coded as "399" (Unknown automobile). If the make of the vehicle is not known but the body type is known (e.g., a hit-and-run 2-door sedan), then Vehicle Make is coded "99" (Unknown) and Vehicle Model is coded "399" (Unknown automobile). If no information is available for a vehicle, then Vehicle Make and Body Type are coded "99" (Unknown) and Vehicle Model is coded "999" (Unknown). Vehicle models are organized into general groups. These groups are:

001-397 -	Passenger vehicle (automobile)
398 -	Other automobile
399 -	Unknown automobile
401-490 -	Light trucks (including compact and large utility vehicles, utility station wagons, minivans, large vans [includes step vans and van derivatives], compact pickup trucks, and large pickup trucks)
498 -	Other light truck
499 -	Unknown light truck
701-739 -	Motored Cycles/ATCs/ATVs (including motorcycles, mopeds, mini bikes, motor scooters and dirt bikes) (701 - 709 Motorcycles/Mopeds) (731 - 739 ATCs/ATVs)
798 -	Other motored cycle
799 -	Unknown motored cycle
801-890 -	Medium/heavy trucks (includes all trucks over 10,000 lbs. GVWR except some pickup type trucks under Body Type code "31" -Large pickup)
898 -	Other medium/heavy truck
899 -	Unknown medium/heavy truck
901-983 -	Buses
988 -	Other bus
989 -	Unknown bus
998 -	Other vehicle (includes construction equipment, farm vehicles and go-karts)
999 -	Unknown vehicle

Within these groups, the model codes for automobiles and light trucks generally are not ordered to give any indication of vehicle size or type. However, the model codes for motored cycles, medium/heavy trucks, buses and other vehicles have specific definition. These definitions are:

Motored Cycles

701 0-50cc
702 51-124cc
703 125-349cc
704 350-449cc
705 450-749cc
706 750cc or greater
709 Unknown cc

All Terrain Cycles/Vehicles

731 0-50cc
732 51-124cc
733 125-349cc
734 350cc or greater
739 Unknown cc

Trucks and Buses

850 M/H truck based motor home
881 Medium/Heavy - CBE
882 Medium/Heavy - COE/low entry
883 Medium/Heavy - COE/high entry
884 Medium/Heavy - Unknown engine location
890 Medium/Heavy - COE entry position unknown
950 Truck based motor home
981 Bus - conventional front engine
982 Bus - front engine/flat front
983 Bus - rear engine/flat front

Other

398 Other automobile
498 Other light truck
798 Other motored cycle
898 Other medium/heavy truck
988 Other bus
998 Other vehicle (farm vehicle, go-kart)

Unknown

399 Unknown automobile
499 Unknown light truck
799 Unknown motored cycle
899 Unknown medium/heavy truck
989 Unknown bus
999 Unknown vehicle

APPENDIX C

MISSING RECORD RULES

Under the NASS Crashworthiness Data System (CDS) the rules for the presence or absence of forms (records) in a crash will depend on whether data exists or has been collected. For example, if a vehicle is not inspected there will not be an Exterior Vehicle record; if an occupant does not have a recorded injury there will not be an Occupant Injury record. In the current year NASS CDS, at least one of each record type will be required for a crash which includes a towed, inspected, CDS applicable vehicle involved in a CDC applicable event (or CDC is blank) with an occupant having a recorded injury, except for vehicles more than 10 years old (i.e. MODEL YEAR < 2006) which will have a partial Occupant Assessment record and no Occupant Injury record. The rules for the presence and absence of each record type and whether partial or complete are as follows:

Accident Record	One, and only one, required for every crash.
Accident Event Record	At least one record required for every crash. One record for each harmful event in the crash sequence.
General Vehicle Record	
Complete Record:	One required for every CDS applicable vehicle (BODYTYPE=01-49).
Partial Record:	(1) One required (completed through variable GV36) for every non CDS applicable vehicle (BODYTYPE=50-99). (2) One required (completed for variables GV01-GV09, GV43, GV44, GV67 & GV70) for every not-in-transport or working vehicle (TRANSTAT=2 or 3).
Exterior Vehicle Record	
Complete Record:	One required for every inspected (INSPTYPE=1-5) CDS applicable vehicle (BODYTYPE=01-49) involved in a CDC applicable event.
Partial Record:	(1) One required for every inspected CDS applicable vehicle not involved in a CDC applicable event (variables EV04-19 will be blank). (2) One required (completed for variables EV01-EV32) for every not-in-transport or working vehicle (TRANSTAT=2 or 3).
Missing Record:	(1) Not inspected (INSPTYPE=0) CDS applicable vehicle. (2) Non CDS applicable vehicle (BODYTYPE=50-99).
Interior Vehicle Record	
Complete Record:	Towed (TOWPAR=1), inspected (INSPTYPE=1-3 or 5), in transport (TRANSTAT=1) CDS applicable vehicle (BODYTYPE=01-49), and model year is less than 10 years old (MODELYR ≥ 2006).
Missing Record:	(1) Towed (TOWPAR=1), not inspected (INSPTYPE=0) CDS applicable vehicle (BODYTYPE=01-49). (2) Not towed (TOWPAR=0 or 9) CDS applicable vehicle. (3) Non CDS applicable vehicle (BODYTYPE=50-99). (4) Not-in-transport or working vehicle (TRANSTAT=2 or 3).

(5) Towed (TOWPAR=1), inspected (INSPTYPE=1-3 or 5), CDS applicable vehicle (BODYTYPE=01-49), and model year is greater than 10 years old (MODELYR < 2006).

Occupant Assessment Record

Complete Record: Towed (TOWPAR=1) in transport (TRANSTAT = 1) CDS applicable vehicle (BODYTYPE=01-49), and model year is less than or equal to 10 years old (MODELYR ≥ 2006) or Unknown (MODELYR = U).

Partial Record: Towed (TOWPAR=1), in transport (TRANSTAT = 1), CDS applicable vehicle (BODYTYPE=01-49), and model year is greater than 10 years old (MODELYR < 2006). The following variables are completed:

PRIMARY SAMPLING UNIT NUMBER (SAS: PSU)
CASE NUMBER - STRATUM (SAS: CASEID)
CASE NUMBER (SAS: CASENO)
STRATUM (SAS: STRATIF)
VERSION NUMBER (SAS: VERSION)
VEHICLE NUMBER (SAS: VEHNO)
OCCUPANT NUMBER (SAS: OCCNO)
OCCUPANT'S AGE (SAS: AGE)
OCCUPANT'S HEIGHT (SAS: HEIGHT)
OCCUPANT'S WEIGHT (SAS: WEIGHT)
OCCUPANT'S SEX (SAS: SEX)
FETAL MORTALITY (SAS: FETALDOA)
OCCUPANT'S ROLE (SAS: ROLE)
OCCUPANT'S RACE (SAS: OCCRACE)
OCCUPANT'S SEAT POSITION (SAS: SEATPOS)
OCCUPANT'S ETHNICITY (SAS: OCETHNIC)
WAS THIS OCCUPANT WEARING EYE-WEAR? (SAS: EYEWEAR)
WAS CHILD SEAT USED? (SAS: CHUSED)
POLICE REPORTED BELT USE (SAS: PARUSE)
POLICE REPORTED AIR BAG AVAILABILITY/FUNCTION (SAS: BAGAVRPT)
INJURY SEVERITY (POLICE RATING) (SAS: INJSEV)

Missing Record:
(1) Unoccupied (OCCFORMS = 0) towed (TOWPAR=1) CDS applicable vehicles (BODYTYPE = 1-49).
(2) Not towed (TOWPAR=0 or 9), CDS applicable vehicles (BODYTYPE = 1-49).
(3) Non CDS applicable vehicles (BODYTYPE=50-99).

Occupant Injury Record

Complete Record: Towed (TOWPAR=1), in transport (TRANSTAT = 1), CDS applicable vehicle (BODYTYPE = 1 to 49), Model Year < 10 years old (MODELYR ≥ 2006) or Unknown (MODELYR = U) with an occupant having a recorded injury (INJNUM=01-96), and all injuries are backwards compatible to the AIS-98 coding scheme.

Partial Record: Towed (TOWPAR=1), in transport (TRANSTAT = 1), CDS applicable vehicle (BODYTYPE = 1 to 49), Model Year < 10 years old (MODELYR ≥ 2006) or Unknown (MODELYR = .U) with an occupant having a recorded injury (INJNUM=01-96), and the coded injury is not backwards compatible to the AIS-98 coding scheme. The following variables are completed:

PRIMARY SAMPLING UNIT NUMBER (SAS: PSU)
CASE NUMBER – STRATUM (SAS: CASEID)
CASE SEQUENCE NUMBER (SAS: CASENO)
CASE STRATUM (STRATIF)
VERSION NUMBER (SAS: VERSION)
VEHICLE NUMBER (SAS: VEHNO)
OCCUPANT NUMBER (SAS: OCCNO)
INJURY NUMBER (SAS: INJNO)
SOURCE OF INJURY DATA (SAS: SOUDAT)
BODY REGION (AIS08 FORMAT) (SAS: REGION08)
TYPE OF ANATOMIC STRUCTURE (AIS08 FORMAT) (SAS: STRTYP08)
SPECIFIC ANATOMIC STRUCTURE (AIS08 FORMAT) (SAS: STRSPC08)
INJURY LEVEL (AIS08 FORMAT) (SAS: INJLVL08)
A.I.S. SEVERITY (AIS08 FORMAT) (SAS: AIS)
INTRUSION NUMBER (SAS: INTRUNO)
INJURY SOURCE CONFIDENCE LEVEL (SAS: SOUCON)
RATIO INFLATION FACTOR (SAS: RATWGT)

Missing Record: (1) Towed (TOWPAR=1), CDS applicable vehicle (BODYTYPE = 1 to 49) < 10 years old (MODELYR ≥ 2006) or Unknown (MODELYR = U), with occupant not having a recorded injury (INJNUM=00, 97, 99).
(2) Towed (TOWPAR=1), CDS applicable vehicle (BODYTYPE=1 to 49) < 10 years old (MODELYR < 2006).
(3) Not towed (TOWPAR=0 or 9), CDS applicable vehicle (BODYTYPE=1 to 49).
(4) Non CDS applicable vehicle (BODYTYPE=50-99).

APPENDIX D

CDC AND DELTA-V

This section gives an overview of the Collision Deformation Classification (CDC) for cars, vans, and light trucks, per SAE J224 MAR 84 in the current year NASS. The CDC codes contain eight characters. If there is no CDC, these codes are left blank. If there is a CDC, these codes are as follows:

Direction of Force (2-character numeric). Sum of Clock Direction and Incremental Value of Shift if both are known. If either is unknown, direction of force is coded "99".

Clock Direction is coded as follows:

00	Non-horizontal force	07	7 o'clock
01	1 o'clock	08	8 o'clock
02	2 o'clock	09	9 o'clock
03	3 o'clock	10	10 o'clock
04	4 o'clock	11	11 o'clock
05	5 o'clock	12	12 o'clock
06	6 o'clock	99	Unknown

Incremental Value of Shift i.e., change in direction of the structure as opposed to crushing of the structure. It is coded as follows:

00	No shift
20	End shift vertical--up; top shift--forward
40	End shift vertical--down; top shift--rearward
60	End or top shift lateral--right
80	End or top shift lateral--left
99	Unknown

Deformation Location (1 character alphanumeric) is coded as follows:

F	Front
R	Right side
L	Left side
B	Back (rear)
T	Top
U	Undercarriage
9	Unknown

Specific Longitudinal or Lateral Location (1 character alphanumeric) is coded as follows:

Horizontal Impacts		Top or Undercarriage	
D	Distributed--side or end	D	Distributed (F+P+B)
L	Left--front or rear	F	Front Section
C	Center--front or rear	P	Center Section
R	Right--front or rear	B	Rear Section
F	Side front--left or right	Y	F+P
P	Side center section--L or R	Z	P+B
B	Side rear--left or right	9	Unknown
Y	Side (F + P) or end (L + C)		
Z	Side (P + B) or end (C + R)		
9	Unknown		

Specific Vertical or Lateral Location (1 character alphanumeric) is coded as follows:

Vertical - Front, Rear, or Side Impacts

A	All
H	Top of frame to top
E	Everything below belt line
G	Belt line and above
M	Middle--top of frame to belt line or hood
L	Frame--top of frame, frame, bottom of frame (including undercarriage)
W	Below undercarriage level (wheel and tires only)
9	Unknown

Lateral - Top and Undercarriage Impacts

D	Distributed
L	Left
C	Center
R	Right
Y	Left and Center (L + C)
Z	Right and Center (R + C)
9	Unknown

Type of Damage Distribution (1 character alphanumeric) is coded as follows:

W	Wide impact area	E	Corner
N	Narrow impact area	K	Conversion in impact type
S	Sideswipe	U	No residual deformation
O	Rollover (including side)	9	Unknown
A	Overhanging structure		

Deformation Extent Guide (2 character alphanumeric) is coded as follows:

01	One	06	Six
02	Two	07	Seven
03	Three	08	Eight
04	Four	09	Nine
05	Five	99	Unknown

Delta-V.

NASS-CDS uses a computer model that provides a measure of crash severity in terms of Delta- V. In vehicle-to-vehicle crashes, the model assumes that the two vehicles approach each other at an impact velocity, reach a common velocity, and then separate. Delta-v is equal to the impact velocity minus the separation velocity. Other factors being equal, the greater the delta-v during a collision, the greater the potential for occupant injury.

Delta-V = Impact Velocity – Separation Velocity

The direction of the vector is determined by the investigator as the direction of principal force. For each vehicle, the components of its Delta-V are obtained by projecting on the longitudinal and lateral axes of that vehicle.

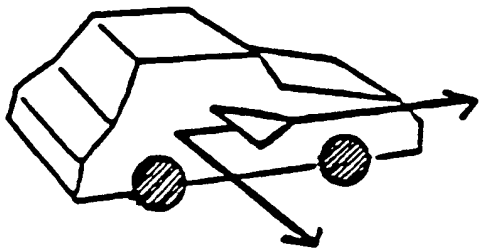

Figure D-1

Figure D-1 shows the positive direction of the longitudinal and lateral components of Delta-V. For example, in a head-on collision, a vehicle is decelerated and the initial high positive longitudinal velocity is reduced; thus it will have a negative longitudinal Delta-V.

APPENDIX E

SELECTED COUNTS

Users of the NASS Analysis file occasionally have requested that the manual include total counts for certain NASS statistics. These counts may help assure that the users are accessing the desired NASS file. Further, such counts help to identify the source of apparent anomalies.

For this edition of the User's Manual, the following counts have been identified as potentially the most useful:

Total Number of Type Accident Records.....	2,634
Total Number of Accident Description Records.....	10,873
Total Number of Vehicle Profile Records.....	4,848
Total Number of Person Profile Records.....	5,694
Total Number of Accident Records.....	2,634
Total Number of Accident Event Records.....	4,836
Total Number of General Vehicle Records.....	4,815
Total Number of Exterior Vehicle Records.....	3,274
Total Number of Interior Vehicle Records.....	1,593
Total Number of Occupant Assessment Records.....	5,481
Total Number of Occupant Injury Records.....	5,954

APPENDIX F

PSU DEMOGRAPHIC DATA

(1) PSU Codes
(2) PSU Description
(3) Population (2010 & 2000)
(4) Land Area (Square Miles)
(5) Population (by Age Group)
(6) Number of Workers and Means of Transportation to Work
(7) Number of Housing Units and Vehicles Available

Demographics data on the 24 PSUs are included to give researchers supplementary information on the nature of the PSUs when analyzing NASS data.

All data was taken from 2010 U.S. Census figures available at **http://factfinder.census.gov** .

POPULATION
Table DP-1. Profile of General Population and Housing Characteristics: 2010.

POPULATION BY AGE GROUP
Table DP-1. Profile of General Demographic Characteristics: 2010.

WORKERS AND MEANS OF TRANSPORTATION TO WORK
Table DP03. Profile of Selected Economic Characteristics: 2010.

HOUSING UNITS AND AVAILABILITY
Table DP04. Profile of Selected Housing Characteristics: 2010.

PRIMARY SAMPLING UNIT (PSU) CODES AND DESCRIPTION

VALUES	STRATA	DESCRIPTION
03, 06, 41, 49, 72, 74, 79, 82	1	Central City, one of the 60 largest SMSAs
05, 08, 09, 12 45, 73, 75, 81	2	Suburban, one of the 17 - 60th largest SMSAs or PSU within 61st - 119th largest SMSAs either containing or not containing a central city
02, 04, 11, 13, 43, 48, 76, 78	3	Other PSU

SMSA – (Standard Metropolitan Statistical Area) – A standard Census Bureau designation of the region around a city in the United States, collected from a variety of sources.

2010 Census: POPULATION

PSU	2010	2000	% Change	Land Area
P02	182,493	177,749	3	1,126
P03	2,504,700	2,465,326	2	71
P04	576,567	510,916	13	636
P05	799,874	750,097	7	483
P06	1,526,006	1,517,550	1	136
P08	1,223,348	947,103	29	675
P09	1,009,971	922,061	10	946
P11	344,791	322,895	7	710
P12	425,790	436,141	-2	640
P13	172,188	170,200	1	509
P41	306,289	291,754	5	55
P43	900,993	627,846	44	832
P45	432,526	382,032	13	508
P48	217,571	185,701	17	1,947
P49	1,197,816	1,188,580	1	331
P72	2,695,598	2,896,016	-7	228
P73	496,005	484,564	2	497
P74	408,958	463,585	-12	331
P75	539,984	531,813	2	922
P76	99,254	93,371	6	11,244
P78	216,240	179,741	20	10,014
P79	3,792,621	5,362,996	-29	3,554
P81	1,931,249	1,173,660	65	2,044
P82	608,660	563,374	8	84
PSU Total	22,609,492	22,645,071	0	38,523
USA	308,745,538	281,421,906	10	3,794,100

Table: DP-1. Profile of General Population and Housing Characteristics: 2010
Dataset: 2010 Demographic Profile SF

2010 Census: POPULATION BY AGE GROUP

PSU	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 44	45 to 64	>=65	TOTAL
P02	8,996	9,749	10,678	13,143	12,478	10,044	34,055	56,306	27,044	182,493
P03	177,198	159,391	156,563	170,684	195,797	222,842	544,403	590,189	287,633	2,504,700
P04	38,906	37,499	36,372	34,785	30,652	31,618	96,114	149,517	121,104	576,567
P05	47,305	50,313	52,570	51,581	43,590	48,681	156,844	228,263	120,727	799,874
P06	101,053	90,827	90,640	118,297	146,717	135,610	298,775	358,778	185,309	1,526,006
P08	63,640	64,343	68,396	79,935	88,962	84,969	218,474	349,570	205,059	1,223,348
P09	68,002	64,715	67,591	79,020	79,327	73,270	216,795	265,886	95,365	1,009,971
P11	19,138	20,009	20,153	30,492	40,467	27,061	66,067	86,453	34,951	344,791
P12	27,319	29,062	30,560	32,030	25,689	24,779	80,505	117,657	58,189	425,790
P13	11,315	11,689	11,940	12,747	10,658	10,726	31,989	47,772	23,352	172,188
P41	16,950	15,449	15,486	16,354	17,962	21,937	64,151	91,429	46,571	306,289
P43	65,495	68,093	64,118	61,816	62,344	66,814	216,220	219,544	76,549	900,993
P45	26,168	26,892	26,089	29,284	36,532	31,070	85,642	114,358	56,491	432,526
P48	12,974	12,920	13,039	19,941	28,425	15,648	39,960	50,708	23,956	217,571
P49	102,975	89,707	78,234	76,976	94,880	116,490	273,464	259,147	105,943	1,197,816
P72	185,887	166,077	164,466	182,933	223,027	276,139	617,551	601,586	277,932	2,695,598
P73	33,258	35,119	36,356	36,400	29,346	31,654	93,799	134,203	65,870	496,005
P74	30,504	28,728	27,288	28,460	33,801	35,065	78,739	99,861	46,512	408,958
P75	30,692	33,127	34,220	35,537	31,580	33,629	105,606	167,668	67,925	539,984
P76	6,929	6,635	6,702	7,133	6,027	5,652	15,899	26,550	17,727	99,254
P78	16,014	15,933	16,394	17,340	15,493	13,669	36,736	47,332	37,329	216,240
P79	251,097	231,528	237,462	274,373	314,543	331,074	878,293	877,555	396,696	3,792,621
P81	120,294	113,295	110,789	117,514	129,822	160,656	448,851	519,349	210,679	1,931,249
P82	32,036	25,943	22,091	30,585	54,885	67,421	158,899	151,305	65,495	608,660
PSU Totals	1,494,145	1,407,043	1,398,197	1,557,360	1,753,004	1,876,518	4,857,831	5,610,986	2,654,408	22,609,492

Table: DP-1. Profile of General Demographic Characteristics: 2010
Dataset: 2010 Demographic Profile SF

2010 Census: WORKERS AND MEANS OF TRANSPORTATION TO WORK

NOTE: This table will be updated as new Census information is released

PSU	Workers (16 & Older)	Number Using Car/Truck/Van (drove alone)	% Using Car/Truck/Van (drove alone)	Number Using Car/Truck/Van (carpool)	% Using Car/Truck/Van (carpool)	Number Using Public Transit (excl. taxi)	% Using Public Transit (excl. taxi)	Number Walked	% Walked	Number Other (incl. Work at home)	% Other
P02	81,878	61,300	74.9	6,471	7.9	1,404	1.7	4,237	5.2	8,466	10.4
P03	1,067,431	203,210	19	47,616	4.5	653,059	61.2	91,334	8.6	72,212	6.8
P04	235,399	191,615	81.4	21,783	9.3	5,275	2.2	3,877	1.6	12,849	1.1
P05	403,233	317,820	78.8	29,529	7.3	23,126	5.7	11,373	2.8	21,385	5.3
P06	583,734	291,003	49.9	52,138	8.9	158,717	27.2	48,318	8.3	33,558	5.7
P08	577,402	413,729	71.7	53,179	9.2	54,857	9.5	25,538	4.4	30,099	5.2
P09	513,684	341,448	66.5	65,472	12.7	79,637	15.5	9,434	1.8	17,693	3.4
P11	164,209	122,253	74.4	13,505	8.2	6,411	3.9	10,976	6.7	11,064	6.7
P12	148,637	126,797	85.3	13,236	8.9	1,990	1.3	1,455	1	5,159	3.5
P13	65,921	52,119	79.1	7,090	10.8	373	0.6	828	1.3	5,511	8.3
P41	144,415	106,498	73.7	13,889	9.6	6,601	4.6	4,644	3.2	12,783	8.9
P43	440,953	359,221	81.5	37,898	8.6	4,626	1	5,561	1.3	33,647	7.7
P45	199,526	170,540	85.5	14,516	7.3	1,680	0.8	3,219	1.6	85,571	4.8
P48	92,853	78,535	84.6	9,474	103.2	623	0.7	1,287	1.4	2,934	3.1
P49	543,348	427,797	78.7	55,595	10.2	19,950	3.7	9,895	1.8	30,111	5.6
P72	1,168,318	586,224	50.2	109,781	9.4	309,048	26.5	76,372	6.5	86,893	7.5
P73	203,300	177,283	87.2	13,321	6.6	5,279	2.6	2,785	1.4	4,632	2.3
P74	203,445	168,442	82.8	20,910	10.3	2,283	1.1	4,116	2	7,694	3.8
P75	277,981	215,346	77.5	25,339	9.1	9,451	3.4	4,463	1.6	23,382	8.4
P76	33,350	25,298	76	4,337	13	274	1	1,271	4	2,170	7
P78	76,917	57,176	74.3	11,361	14.8	1,441	1.9	1,931	2.5	5,008	6.5
P79	1,706,116	1,138,926	66.8	176,406	10.3	190,327	11.2	61,154	3.6	139,303	8.1
P81	973,288	635,539	65.3	100,007	10.3	104,822	10.8	43,297	4.4	26,189	2.7
P82	339,160	180,774	53.3	29,009	8.6	61,708	18.2	29,070	8.6	38,599	11.3

Table: DP03. Profile of Selected Economic Characteristics: 2010

Data Set: 2010 ACS 1-year estimates when available, otherwise 2010 ACS 3-year estimates (P48, P78) or 2010 ACS 5-year estimates (P75) were used

2010 Census: HOUSING UNITS AND AVAILABILITY

NOTE: This table will be updated as new Census information is released.

PSU	All Occupied Housing Units	Number With No Vehicle Available	% With No Vehicles Available	Number With 1 Vehicle Available	% With 1 Vehicle Available	Number with 2 Vehicles Available	% With 2 Vehicles Available	Number with 3+ Vehicles Available	% With 3+ Vehicles Available
P02	68,581	5,898	8.6	22,889	33.4	26,872	39.2	12,922	18.8
P03	905,317	526,424	58.1	289,442	32	75,593	8.3	13,858	1.5
P04	220,972	15,369	7	82,440	37.3	82,316	37.3	40,847	18.5
P05	308,233	19,134	6.2	96,761	31.4	135,426	43.9	56,912	18.5
P06	575,413	199,247	34.6	245,851	42.7	106,164	18.5	24,151	4.2
P08	519,191	71,045	13.7	207,884	40	181,426	34.9	58,836	11.3
P09	352,156	31,212	8.9	122,117	34.7	123,145	35	75,682	21.5
P11	132,028	11,857	9	48,450	36.7	48,685	36.9	23,036	17.4
P12	166,539	15,906	9.6	65,685	39.4	58,870	35.3	26,078	15.7
P13	65,892	5,834	8.9	22,483	34.1	25,632	38.9	11,943	18.1
P41	128,421	12,299	9.6	61,236	47.7	43,557	33.9	11,329	8.8
P43	338,054	15,887	4.7	110,880	32.8	144,133	42.6	671,554	19.9
P45	180,711	11,565	6.4	74,306	41.1	63,630	35.2	31,210	17.3
P48	74,620	4,907	6.6	23,526	31.5	30,004	40.2	16,183	21.7
P49	447,680	43,000	9.6	200,932	44.9	151,096	33.8	52,652	11.8
P72	1,014,576	267,029	26.3	454,155	44.8	223,331	22	70,061	6.9
P73	183,558	16,199	8.8	66,880	36.4	65,711	35.8	34,768	18.9
P74	163,411	14,188	8.7	62,417	38.2	59,417	36.4	27,389	16.8
P75	219,548	9,723	4.4	65,282	29.7	87,562	39.9	56,981	26
P76	33,853	2,362	7	11,169	33	12,570	37.1	7,752	22.9
P78	79,843	5,225	6.5	31,937	40	28,145	35.3	14,536	18.2
P79	1,310,259	172,968	13.2	513,862	39.2	425,527	32.5	197,902	15.1
P81	787,809	74,291	9.4	281,378	35.7	286,616	36.4	145,524	18.5
P82	277,520	43,567	15.7	120,841	43.5	82,588	29.8	30,524	11

Table: DP04. Profile of Selected Housing Characteristics: 2010

Data Set: 2010 ACS 1-year estimates when available, otherwise 2010 ACS 3-year estimates (P48, P75) or 2010 ACS 5-year estimates (P78) were used

APPENDIX G

VARIABLE/ATTRIBUTE HISTORY (1988 – 2015)

ACCIDENT DATA SET

					SAS Code																											
Data Set	**Variable Name**	**SAS Name**	**SAS Format Name**	**Format Label**	**1988**	**1989**	**1990**	**1991**	**1992**	**1993**	**1994**	**1995**	**1996**	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**
ACCIDENT	Primary Sampling Unit Number	PSU		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
ACCIDENT	Case Sequence Number	CASENO		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
ACCIDENT	Case Stratum	STRATIF		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
ACCIDENT	Case Number - Stratum	CASEID		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
ACCIDENT	Year Of Accident	YEAR	YR	VALUE	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
ACCIDENT	Month Of Accident	MONTH	MNTH	January	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				February	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				March	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				April	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				May	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				June	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				July	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				August	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				September	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
				October	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
				November	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
				December	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
ACCIDENT	Time Of Accident	TIME		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
ACCIDENT	Day Of Week Of Accident	DAYWEEK	DAYWEEK	Sunday	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Monday	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Tuesday	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Wednesday	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Thursday	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Friday	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Saturday	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
ACCIDENT	Primary Sampling Unit Stratification	PSUSTRAT		VALUE	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
ACCIDENT	Ratio Inflation Factor	RATWGT		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
ACCIDENT	Version Number	VERSION		VALUE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	20	22	23	24	25	26	27	28
ACCIDENT	Number General Vehicle Forms Submitted	VEHFORMS		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
ACCIDENT	SS12 - Anti-Lacerative Windshields	SS12		non-Qualifying case	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Qualifying case	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
ACCIDENT	AOPS Special Study	AOPSCASE		non-Qualifying case	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Qualifying case	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
ACCIDENT	Fatal AOPS Special Study	AOPSFAT		non-Qualifying case	*	*	*	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Qualifying case	*	*	*	1	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
ACCIDENT	Pedestrian Crash Data Study	PEDSTUDY	PEDSTUDY	Separate File	*	*	*	*	*	*	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
ACCIDENT	Impact Fires	FIRESTDY	FIRESTDY	non-Qualifying case	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*
				Qualifying case	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	*	*	*	*	*	*	*	*	*
ACCIDENT	Administrative Use Special Study - Trauma Sites	ADMINSS	ADMINSS	Not Active	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*
ACCIDENT	Unsafe Driver Actions	DRVRACT	DRVRACT	non-Qualifying case	*	*	*	*	*	*	*	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Qualifying case	*	*	*	*	*	*	*	1	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
ACCIDENT	Run Off Road Special Study	RUNOFFRD	RUNOFFRD	non-Qualifying case	*	*	*	*	*	*	*	*	*	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Qualifying case	*	*	*	*	*	*	*	*	*	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
ACCIDENT	Redesigned Airbag Special Study	RABSS	RABSS	non-Qualifying case	*	*	*	*	*	*	*	*	*	*	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Qualifying case	*	*	*	*	*	*	*	*	*	*	1	1	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*
ACCIDENT	Truck Underride Special Study	TRKURIDE	TRKURIDE	non-Qualifying case	*	*	*	*	*	*	*	*	*	*	*	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Qualifying case	*	*	*	*	*	*	*	*	*	*	*	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
ACCIDENT	Advanced Occupant Protection Special Study	AOPSS		non-Qualifying case	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	*	*	*	*	*	*	*	*	*	*	*
				Qualifying case	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	1	1	*	*	*	*	*	*	*	*	*	*	*
ACCIDENT	Maximum Known AIS In this Crash (AIS98 Format)	AAIS	AIS	Not Injured	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Minor Injury	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Moderate Injury	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Serious Injury	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Severe Injury	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Critical Injury	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Maximum Injury	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Injured, Unk Sev	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Not Collected	.	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N
				Unk If Injured	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
ACCIDENT	Number of Seriously Injured Occupants (AIS98 Format)	AINJSER		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
ACCIDENT	Total Number of Injured Occupants (AIS98 Format)	AINJURED		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year
. = blank/missing data

ACCIDENT DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																												
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
				Not collected	.	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N
ACCIDENT	Alcohol or Drug Involved in Accident	ALCDRUG	ALCDRUG	Yes	1	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No	2	2	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Unknown	.U	.U	.U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
ACCIDENT	Alcohol Involved In Accident	ALCINV	ALCINV	Yes	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				No	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Unknown	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
ACCIDENT	Drug Involved	DRGINV	DRGINV	Yes	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				No	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Unknown	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
ACCIDENT	Maximum Treatment In Accident	ATREAT	TREATMNT	No Treatment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Fatal	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Fatal-Rl Disease	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Hospitalized	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Trans/Released	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Treat-Scne-Ntrans	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Treatment-Later	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Treatment-Other	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Trans-Unk Treat	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Not Collected	.	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
ACCIDENT	Number of Recorded Events In Accident	EVENTS		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
ACCIDENT	Manner of Collision	MANCOLL	MANCOLL	Not Collision	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Rear-End	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Head-On	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Angle	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Sideswipe, Same Dir	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Sideswipe, Opp. Dir	*	*	*	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Unknown	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
ACCIDENT	Maximum Known AIS in this Crash (AIS08 FORMAT)	AAIS08	AIS	Not Injured	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0
				Minor Injury	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	1	1	1	1	1
				Moderate Injury	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2	2	2	2	2	2
				Serious Injury	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3	3	3	3	3	3
				Severe Injury	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	4	4	4	4	4	4
				Critical Injury	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	5	5	5	5	5	5
				Maximum Injury	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	6	6	6	6	6	6
				Injured, Unk Sev	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	7	7	7	7	7	7
				Not Collected	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.N	.N	.N	.N	.N	.N
				Unk If Injured	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U
ACCIDENT	Number of Seriously Injured Occupants (AIS08 Format)	AINJSER8		VALUE	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	#	#	#	#	#	#
				Not Collected	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.N	.N	.N	.N	.N	.N
ACCIDENT	Total Number of Injured Occupants (AIS08 Format)	AINJURD8		VALUE	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	#	#	#	#	#	#
				Not Collected	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.N	.N	.N	.N	.N	.N

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year
. = blank/missing data

EVENT DATA SET

					SAS Code																											
Data Set	**Variable Name**	**SAS Name**	**SAS Format Name**	**Format Label**	**1988**	**1989**	**1990**	**1991**	**1992**	**1993**	**1994**	**1995**	**1996**	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**
EVENT	Primary Sampling Unit Number	PSU		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
EVENT	Case Sequence Number	CASENO		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
EVENT	Case Stratum	STRATIF		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
EVENT	Case Number - Stratum	CASEID		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
EVENT	Version Number	VERSION		VALUE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	20	22	23	24	25	26	27	28
EVENT	Ratio Inflation Factor	RATWGT		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
EVENT	Accident Event Sequence Number	ACCSEQ	ACCSEQ	No Event/No CDC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
EVENT	Vehicle Number	VEHNUM		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
EVENT	Class Of First/Other Vehicle	CLASS1, CLASS2	CLASS	Not A Motor Veh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Subcompact Car	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Compact Car	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Intermediate Car	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Full Size Car	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Largest Size Car	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Unknown Size Car	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
				Short Utility Vehicle	11	11	11	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Truck Based Utility	12	12	12	12	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Passenger Van	13	13	13	13	13	13	13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Other Van	14	14	14	14	14	14	14	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Compact Utility	*	*	*	*	11	11	11	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
				Pickup Truck	15	15	15	15	15	15	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Large Utility	*	*	*	*	12	12	12	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
				Utility Station Wagon	*	*	*	*	*	*	*	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
				Other Light Truck	18	18	18	18	18	18	18	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Unknown Light Truck	19	19	19	19	19	19	19	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Unknown Utility Type	*	*	*	*	*	*	*	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
				School Bus	20	20	20	20	20	20	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Minivan	*	*	*	*	*	*	*	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
				Other Bus	21	21	21	21	21	21	21	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Large Van	*	*	*	*	*	*	*	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
				Truck >10,000 lbs	22	22	22	22	22	22	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Bobtail Tractor	23	23	23	23	23	23	23	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Tractor-Trailer	24	24	24	24	24	24	24	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Van Based School Bus	*	*	*	*	*	*	*	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Motored Cycle	25	25	25	25	25	25	25	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Other Vehicle	28	28	28	28	28	28	28	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Other Van Type	*	*	*	*	*	*	*	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Unknown Van Type	*	*	*	*	*	*	*	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Compact Pickup	*	*	*	*	*	*	*	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Large Pickup	*	*	*	*	*	*	*	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Other Pickup	*	*	*	*	*	*	*	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Unk Pickup Truck	*	*	*	*	*	*	*	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
				Other Light Truck	*	*	*	*	*	*	*	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
				Unknown Light Truck	*	*	*	*	*	*	*	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
				Unknown Light Vehicle	*	*	*	*	*	*	*	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
				School Bus (excludes van based)	*	*	*	*	*	*	*	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
				Other Bus	*	*	*	*	*	*	*	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
				Unknown Bus	*	*	*	*	*	*	*	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
				Truck >4500 Kgs	*	*	*	*	*	*	*	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
				Bobtail Tractor	*	*	*	*	*	*	*	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67
				Tractor-Trailer	*	*	*	*	*	*	*	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68
				Unknown Med/Hvy Truck	*	*	*	*	*	*	*	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78
				Unknown Truck	*	*	*	*	*	*	*	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79
				Motored Cycle	*	*	*	*	*	*	*	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
				Other Vehicle	*	*	*	*	*	*	*	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90
				Unknown Vehicle	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
EVENT	General Area Of Damage First/Other Vehicle	GADEV1, GADEV2	$GAD	Not A Motor Veh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Unknown	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
				Back/Trk Back	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
				Rear Of Cab	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year
. = blank/missing data

EVENT DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																										
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
				Back Of Tractor	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
				Front	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F
				Left Side	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
				Noncollision	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
				Right Side	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
				Top	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
				Undercarriage	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
				Fr Of Cargo Area	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
EVENT	Other Vehicle Number Or Object Contacted	OBJCONT	OBJCONT	No Event/CDC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				Vehicle No. 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Vehicle No. 2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Vehicle No. 3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Vehicle No. 4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Vehicle No. 5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Vehicle No. 6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Vehicle No. 7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Vehicle No. 8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Vehicle No. 9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
				Vehicle No. 10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
				Vehicle No. 11	*	*	*	*	*	*	*	*	*	*	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
				Rollover	31	31	31	31	31	31	31	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Rollover-Overturn	*	*	*	*	*	*	*	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Rollover-Endover End	*	*	*	*	*	*	*	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Fire/Explosion	32	32	32	32	32	32	32	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Jackknife	33	33	33	33	33	33	33	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Intraunit Damage	34	34	34	34	34	34	34	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Noncollision Injury	35	35	35	35	35	35	35	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Oth Noncollision	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Unk Noncollision	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
				Small Tree	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
				Large Tree	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
				Bush	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
				Embankment	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
				Breakaway Pole	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
				Metal Guardrail	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	46	46	*	*	*	*	*	*
				Cable Guardrail	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	47	47	47	47	47	47	47	47
				Guardrail Face	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	48	48	48	48	48	48
				Guardrail End	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	49	49	49	49	49	49
				Small Pole	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
				Medium Pole	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
				Large Pole	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
				Unk Size Pole	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
				Concrete Barrier	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
				Impact Atenuator	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
				Other Traffic Barrier	56	56	56	56	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	56	56	56	56	56	56	56	56
				Other Traffic Barrier (includes guardrail)	*	*	*	*	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	*	*	*	*	*	*	*	*
				Fence	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
				Wall	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
				Building	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
				Ditch/Culvert	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
				Ground	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
				Fire Hydrant	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
				Curb	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
				Bridge	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
				Oth Fixed Object	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68
				Unknown Fixed Object	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69
				Not in-transport light vehicle	*	*	*	*	*	*	*	70	70	70	70	70	70	70	70	70	70	70	70	*	*	*	*	*	*	*	*	*
				Motor vehicle not in-transport	71	71	71	71	71	71	71	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Not in-transport med/hvy vehicle	*	*	*	*	*	*	*	71	71	71	71	71	71	71	71	71	71	71	71	*	*	*	*	*	*	*	*	*
				Pedestrian	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72
				Cyclist	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year
. = blank/missing data

EVENT DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																										
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
				Oth Nonmotorist	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74
				Vehicle Occupant	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
				Animal	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76
				Train	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	*	*	*	*	*	*	*
				Railway Vehicle	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	77	77	77	77	77	77	77
				Trailer, Disconn	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78
				Object fell from vehicle in-transport	*	*	*	*	*	*	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79
				Oth Nonfixed Obj	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
				Unk Nonfixed Obj	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89
				Other Event	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
				Unk Event/Object	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year
. = blank/missing data

GV DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																											
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2010	2011	2012	2013	2014	2015
GV	Primary Sampling Unit Number	PSU		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
GV	Case Sequence Number	CASENO		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
GV	Case Stratum	STRATIF		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
GV	Case Number - Stratum	CASEID		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
GV	Ratio Inflation Factor	RATWGT		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
GV	Version Number	VERSION		VALUE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	20	22	23	23	24	25	26	27	28
GV	Vehicle Number	VEHNO		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
GV	Vehicle Model Year	MODELYR		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
GV	Vehicle Make	MAKE	MAKE	American Motors	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Jeep	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Am General	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Chrysler	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Dodge	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Imperial	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Plymouth	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
				Unknown Make	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Eagle	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
				Ford	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
				Lincoln	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
				Mercury	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
				Buick	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
				Cadillac	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
				Chevrolet	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
				Oldsmobile	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
				Pontiac	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
				Gmc	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				Saturn	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Grumman	*	*	*	*	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Other Domestic	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Volkswagen	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Alfa Romeo	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Audi	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Austin/Healey	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Bmw	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Nissan/Datsun	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Fiat	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Honda	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
				Isuzu	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Jaguar	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
				Lancia	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
				Mazda	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
				Mercedes Benz	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
				Mg	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
				Peugeot	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
				Porsche	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
				Renault	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46
				Saab	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47
				Subaru	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
				Toyota	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
				Triumph	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
				Volvo	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
				Mitsubishi	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
				Suzuki	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
				Acura	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
				Hyundai	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
				Merkur	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
				Yugo	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
				Infiniti	*	*	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
				Lexus	*	*	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
				Daihatsu	*	*	*	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
				Sterling	*	*	*	*	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
				Land Rover	*	*	*	*	*	*	*	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
				Kia	*	*	*	*	*	*	*	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
				Daewoo	*	*	*	*	*	*	*	*	*	*	*	*	*	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
				Mini	*	*	*	*	*	*	*	*	*	*	*	*	*	*	65	65	65	65	65	65	65	65	65	65	65	*	*	*	*
				Smart	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	65	65	65	65
				Scion	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	67	67	67	67
				Other Foreign	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69
				Bsa	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year, except for FRTWHLDR
. = blank/missing data

GV DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																												
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2010	2011	2012	2013	2014	2015
				Ducati	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71
				Harley-Davidson	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72
				Kawasaki	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73
				Moto-Guzzi	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74
				Norton	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
				Yamaha	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76
				Other Make Moped	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78
				Oth Motored Cycl	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79
				Brockway	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
				Diamond Reo/Reo	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81
				Freightlin/White	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82
				Fwd	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83
				Intharv/Navistar	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84
				Kenworth	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
				Mack	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86
				Peterbilt	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87
				Iveco/Magirus	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
				Other	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Vehicle Model	MODEL		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
GV	Vehicle Body Type	BODYTYPE	BODYTYPE	Convertible	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				2dr Sedan/Ht/Cpe	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				3dr/2dr Hatchbak	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				4-Dr Sedan/Hdtop	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				5dr/4dr Hatchbak	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Station Wagon	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Hatchback Dr Unk	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Other Automobile	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unk Auto Type	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
				Auto Base Pickup	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
				Auto Based Panel	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
				Large Limousine	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
				Three-Wheel Auto	*	*	*	*	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
				Short utility	13	13	13	13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Compact Utility	*	*	*	*	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
				Truck Based Utility	14	14	14	14	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Large Utility	*	*	*	*	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
				Utility Stawagon	*	*	*	*	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
				3-Door Coupe	*	*	*	*	*	*	*	*	*	*	*	*	*	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
				Utility Unk Body	*	*	*	*	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
				Minivan	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
				Large Van	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
				Step Van <10k Lb	*	*	*	*	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
				Van Base Mtrhome	*	*	*	*	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				Van Based Schbus	*	*	*	*	*	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Van Based Othbus	*	*	*	*	*	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Other Van Type	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Unknown Van Type	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Compact Pickup	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Large Pickup	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Pickup/Camper	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Truck Based Station Wagon	33	33	33	33	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Convert Pickup	*	*	*	*	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Unk Pickup Truck	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
				Cab Chassis	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
				Truck Base Panel	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
				Lt Trk Motorhome	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
				Oth Light Truck	47	47	47	47	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
				Unk Light Truck	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
				Unk Light Veh	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
				School Bus	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
				Van Based Bus (≤ 4,536 kgs GVWR)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	55	55	55	55	55
				Other Bus	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
				Unknown Bus	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
				Step Van >10k Lb	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
				Single Unit Truck 10-26k GVWR	61	61	61	61	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Single Unit Truck 10-19.5	*	*	*	*	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
				Single Unit Truck 19.5-26	*	*	*	*	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
				Single Unit Truck >26k Lb	62	62	62	62	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63

Legend for SAS Codes:
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GV DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																												
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				Single Unit Truck GVWR Unk	*	*	*	*	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
				Med/Hvy Trk Motorhome	63	63	63	63	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
				Bobtail Tractor	64	64	64	64	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67
				Trk-Trac 1 Trail	65	65	65	65	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68
				Trk-Trac 2 Trail	66	66	66	66	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69
				Trk-Tr Unk Trail	67	67	67	67	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
				Med/Hvy Pickup	*	*	*	*	*	*	*	*	*	*	*	*	*	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74
				Unk Med/Hvy Trk	68	68	68	68	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78
				Unknown Truck	69	69	69	69	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79
				Motorcycle	70	70	70	70	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
				Moped	71	71	71	71	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81
				3 Wheel Mc/Moped	*	*	*	*	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82
				Oth Motored Cycl	78	78	78	78	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
				Unk Motored Cycl	79	79	79	79	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89
				ATV and ATC	80	80	80	80	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90
				Snowmobile	*	*	*	*	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91
				Farm Equipment	*	*	*	*	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92
				Construct Equip	*	*	*	*	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93
				Low Speed Vehicle/Neighborhood Electric Vehicle	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	94	94	94	94	94
				Other Vehicle Type	88	89	90	91	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97
				Not Applicable	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
				Not Collected	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N
				Unknown Body Type	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Vehicle Identification Number	VIN		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
GV	Police Reported Vehicle Disposition	TOWPAR	TOWPAR	Not Towed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Towed	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Accident Sequence No For Highest Delta V	ACCSEQDV		VALUE	*	*	*	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
GV	Accident Type	ACCTYPE		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
GV	Alcohol Test Result For Driver	ALCTEST	ALCTEST	VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
				Test Refused	.B	.B	.B	.B	.B	.B	.B	.B	.B	.B	.B	.B	.B	.B	.B	.B	.B	.B	.B	.B	.B	.B	.B	.B	.B	.B	.B	.B	.B
				None Given	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C	.C
				Test Results Unknown	.D	.D	.D	.D	.D	.D	.D	.D	.D	.D	.D	.D	.D	.D	.D	.D	.D	.D	.D	.D	.D	.D	.D	.D	.D	.D	.D	.D	.D
				No Driver	.E	.E	.E	.E	.E	.E	.E	.E	.E	.E	.E	.E	.E	.E	.E	.E	.E	.E	.E	.E	.E	.E	.E	.E	.E	.E	.E	.E	.E
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Roadway Alignment	ALIGNMNT	ALIGNMNT	Straight	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Curve Right	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Curve Left	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Unknown	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	AOPS Vehicle	AOPSVEH	AOPSVEH	Non CDS Vehicle	*	*	*	*	*	*	*	.	.	.	.	.	.	.	.	.	.	.	*	*	*	*	*	*	*	*	*	*	*
				No	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*
				Yes	*	*	1	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Yes, researcher determined	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	*	*	*	*	*	*	*	*	*	*	*
				VIN determined air bag	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	*	*	*	*	*	*	*	*	*	*	*
				VIN determined automatic belt	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	*	*	*	*	*	*	*	*	*	*	*
				VIN determined air bag & automatic belt	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	*	*	*	*	*	*	*	*	*	*	*	*
GV	Heading Angle For Other Vehicle	ANGOTHER		Not Collected	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
				Non-horizontal Impact	*	*	*	*	*	*	*	*	996	996	996	996	996	996	996	996	996	996	996	996	996	996	996	996	996	996	996	996	996
				Non-collision	997	997	997	997	997	997	997	997	997	997	997	997	997	997	997	997	997	997	997	997	997	997	997	997	997	997	997	997	997
				Impact with Object	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Heading Angle For This Vehicle	ANGTHIS		Not Collected	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
				Non-horizontal Impact	*	*	*	*	*	*	*	*	996	996	996	996	996	996	996	996	996	996	996	996	996	996	996	996	996	996	996	996	996
				Non-collision	997	997	997	997	997	997	997	997	997	997	997	997	997	997	997	997	997	997	997	997	997	997	997	997	997	997	997	997	997
				Impact with Object	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Antilock Brakes	ANTILOCK	ANTILOCK	Not Coded	*	*	*	*	*	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				Not Available	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				4 Wheel Standard	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Rear Standard	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Abs Standard	*	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				4 Wheel Optional	*	*	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Rear Optional	*	*	*	*	*	*	*	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Abs Optional	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Unknown(Vinrtn)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown	*	*	*	*	*	*	*	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
GV	Air Bag Deployment, First Seat Frontal	BAGDEPFV	BAGDEPFV	Not Collected	*	*	*	*	*	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year, except for FRTWHLDR
. = blank/missing data

GV DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																											
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2010	2011	2012	2013	2014	2015
				Not Equip/Avail	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*
				Nondeployed	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	*	*	*	*	*	*	*	*	*	*	*
				Dr Bag Deployed	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	*	*	*	*	*	*	*	*	*	*	*
				Unk Dr Bag Deply	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	*	*	*	*	*	*	*	*	*	*	*
				Only Dr Bag Depl	*	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	*	*	*	*	*	*	*	*	*	*	*
				Only Pas Bag Dep	*	*	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	*	*	*	*	*	*	*	*	*	*	*
				Dr&pas Bag Deply	*	*	*	*	*	*	*	6	6	6	6	6	6	6	6	6	6	6	*	*	*	*	*	*	*	*	*	*	*
				Dr&pas Unk Deply	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	*	*	*	*	*	*	*	*	*	*	*
				Bag Dep Det Unk	*	*	*	*	*	*	*	8	8	8	8	8	8	8	8	8	8	8	*	*	*	*	*	*	*	*	*	*	*
				Unknown	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	*	*	*	*	*	*	*	*	*	*	*
GV	Air Bag Deployment, Other	BAGDEPOV	BAGDEPOV	Not Collected	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				Not Equip W/ Oth	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*
				Bag Deployed	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	*	*	*	*	*	*	*	*	*	*	*
				Bag Deploy Inadv	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	*	*	*	*	*	*	*	*	*	*	*
				Bag Dep Det Unk	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	*	*	*	*	*	*	*	*	*	*	*
				Bag Deploy-Nocol	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	*	*	*	*	*	*	*	*	*	*	*
				Unk If Deployed	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	*	*	*	*	*	*	*	*	*	*	*
				Nondeployed	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	*	*	*	*	*	*	*	*	*	*	*
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	*	*	*	*	*	*	*	*	*	*	*
GV	Barrier Equivalent Speed	BAREQSP	BAREQSP	Not Collected	*	*	*	*	*	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				Less Than 0.5kph	*	*	*	*	*	*	*	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				VALUE	*	*	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
				159.5 Kmph+above	*	*	*	*	*	*	*	159	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160
				Unknown	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Carburetion	CARBUR		VALUE	*	*	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
GV	Vehicle Cargo Weight	CARGOWGT	CARGOWGT	Non CDS Vehicle	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				Less than 50 lbs	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Less Than 5 Kg.	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				VALUE (*100) in lbs	#	#	#	#	#	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				VALUE (*10) in kgs	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
				9,650 lbs or more	97	97	97	97	97	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				4,500 Kg Or More	*	*	*	*	*	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450
				Unknown Cargo Weight	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Weather	CLIMATE	CLIMATE	Unknown	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Fog-Smog-Smoke	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	11	11	11	11	11	11	11	11	11	11
				Rain	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	12	12	12	12	12	12	12	12	12	12
				Sleet-Hail	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	13	13	13	13	13	13	13	*	*	*
				Snow	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	14	14	14	14	14	14	14	14	14	14
				Blowing Snow	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	15	15	15	15	15	15	15	15	15	15
				Severe Crosswinds	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	16	16	16	16	16	16	16	16	16	16
				Blowing San-Soil-Dirt	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	17	17	17	17	17	17	17	17	17	17
				Clear	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	18	18	18	18	18	18	18	18	18	18
				Cloudy	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	19	19	19	19	19	19	19	19	19	19
				Sleet or Hail	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	20	20	20
				Freezing Rain/Drizzle	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	21	21	21
				Other	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	98	98	98	98	98	98	98	98	98	98
GV	Post Collision Condition Of Tree Or Pole	CONDTREE	CONDTREE	Non CDS Vehicle	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				No Tree/Pole Col	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Not Damaged	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Cracked/Sheared	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Tilted < 45 Deg	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Tilted >= 45 Deg	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Uprooted Tree	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Separated Pole	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Pole Replaced	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Other	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Vehicle Curb Weight	CURBWGT	CURBWGT	Non-CDS Vehicle	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				Less than 1050 lbs	10	10	10	10	10	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Less Than 450 Kg	*	*	*	*	*	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
				VALUE (*100) in lbs	#	#	#	#	#	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				VALUE (*10) in kg	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
				13,500 lbs or more	135	135	135	135	135	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				6,100 Kg Or More	*	*	*	*	*	610	610	610	610	610	610	610	610	610	610	610	610	610	610	610	610	610	610	610	610	610	610	610	610
				Not Applicable	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998
				Unknown Curb Weight	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Daylight Running Lights	DAYRUNLT	$DAYRUNL	Not Coded	*	*	*	*	*	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				Unknown	*	*	*	*	*	*	*	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
				Not Available	*	*	*	*	*	*	*	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year, except for FRTWHLDR
. = blank/missing data

GV DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																												
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2010	2011	2012	2013	2014	2015
				Optional	*	*	*	*	*	*	*	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
				Standard	*	*	*	*	*	*	*	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
GV	Documentation Of Trajectory Data	DOCTRAJ	DOCTRAJ	Non CDS Vehicle	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				No	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Yes	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GV	Police Reported Alcohol or Drug Presence	DRINKDRG	DRINKDRG	No alcohol/drugs	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Alcohol present	1	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Drugs present	2	2	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Alcohol and drugs present	3	3	3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Alcohol or drug - specifics unk	4	4	4	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Not reported	7	7	7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No driver present	8	8	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Unknown	.U	.U	.U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
GV	Police Reported Alcohol Presence	DRINKING	DRINKING	No Alcohol	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Alcohol Present	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Not Reported	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				No Driver	*	*	*	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Driver's Distraction/Inattention To Driving	DRIVDIST	DRIVDIST	No Driver	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Attentive	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Look/Did Not See	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Dist By Oth Occ	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Dist/Moving Obj	*	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Talk/Cell Phone	*	*	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Dial/Cell Phone	*	*	*	*	*	*	*	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Adj Climate Ctl	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Adj Radio/Cd	*	*	*	*	*	*	*	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Use Oth Device	*	*	*	*	*	*	*	9	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Use Obj Integral	*	*	*	*	*	*	*	*	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
				Use Obj Brought	*	*	*	*	*	*	*	*	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
				Sleepy	*	*	*	*	*	*	*	10	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
				Dist By Outside	*	*	*	*	*	*	*	11	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
				Eating/Drinking	*	*	*	*	*	*	*	12	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
				Smoking Related	*	*	*	*	*	*	*	13	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
				Dist Details Unk	*	*	*	*	*	*	*	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97
				Oth Distraction	*	*	*	*	*	*	*	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
				Unknown	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Front/Rear Wheel Drive	DRIVE	DRIVE	Not Coded	*	*	*	*	*	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				Rear Wheel Drive	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	*	*	*	*	*	*	*	*	*	*	*	*
				Front Wheel Drive	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	*	*	*	*	*	*	*	*	*	*	*	*
				Not a Pass. Car	*	*	*	*	*	*	*	8	8	8	8	8	8	8	8	8	8	8	*	*	*	*	*	*	*	*	*	*	*	*
				Unk-4 Whl Dr Pot	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	*	*	*	*	*	*	*	*	*	*	*	*
GV	Driver's Race/Ethnic Origin	DRRACE	DRRACE	No Driver	*	*	*	*	0	0	0	8	8	8	8	8	8	8	8	8	8	8	8	*	*	*	*	*	*	*	*	*	*
				White Non Hispanic	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	*	*	*	*	*	*	*	*	*	*
				Black Non Hispanic	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	*	*	*	*	*	*	*	*	*	*
				White Hispanic	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	*	*	*	*	*	*	*	*	*	*
				Black Hispanic	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	*	*	*	*	*	*	*	*	*	*
				Amerind/Esk/Alut	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	*	*	*	*	*	*	*	*	*	*
				Asian/Pacific Islander	*	*	*	*	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	*	*	*	*	*	*	*	*	*	*
				Other	*	*	*	*	8	8	8	7	7	7	7	7	7	7	7	7	7	7	7	*	*	*	*	*	*	*	*	*	*
				Unknown	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	*	*	*	*	*	*	*	*	*	*
GV	Driver Presence In Vehicle	DRPRES	DRPRES	Non CDS Vehicle	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				No Driver	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Driver Present	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Reported Other Drug	DRUGS	DRUGS	No Other Drugs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Yes Other Drugs	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Not Reported	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				No Driver	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Driver's Zip Code	DRZIP		VALUE	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
				No driver present	*	*	*	*	00000	00000	00000	99998	99998	99998	99998	99998	99998	99998	99998	99998	99998	99998	99998	99998	99998	99998	99998	99998	99998	99998	99998	99998	99998
				Not a US resident	*	*	*	*	00001	00001	00001	00001	00001	00001	00001	00001	00001	00001	00001	00001	00001	00001	00001	00001	00001	00001	00001	00001	00001	00001	00001	00001	00001
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Basis For Total Delta V (Highest)	DVBASIS	DVBASIS	Non CDS Vehicle	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				No Inspection	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Crash Damage	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Crash Dam/Traj	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Missing Vehicle	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year, except for FRTWHLDR
. = blank/missing data

GV DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																											
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2010	2011	2012	2013	2014	2015
				Vehicle beyond scope	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Conditions out of scope	5	5	5	5	5	5	5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Rollover	*	*	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Other Non-Horiz	*	*	*	*	*	*	*	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Sideswipe	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Severe Override	*	*	*	*	*	*	*	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Yielding Object	*	*	*	*	*	*	*	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
				Overlapping Dam	*	*	*	*	*	*	*	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
				Lack of data	6	6	6	6	6	6	6	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
				Other	*	*	*	*	*	*	*	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Confidence In Reconstruction	DVCONFID	DVCONFID	Non CDS Vehicle	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				No Reconstruct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Reasonable	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Appear High	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Appear Low	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Borderline	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Estimated Highest Delta V	DVEST	DVEST	Non CDS Vehicle	*	*	*	*	*	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				Delta V Coded	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Less Than 10kmph	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				>9 And <25 Kmph	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				>24 And <40 Kmph	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				>39 And <55 Kmph	*	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				>54 Kmph	*	*	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Minor	*	*	*	*	*	*	*	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Moderate	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Severe	*	*	*	*	*	*	*	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Lateral Component Of Delta V	DVLAT		Non CDS Vehicle	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				VALUE in mph	#	#	#	#	#	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				VALUE in kmph	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Longitudinal Component Of Delta V	DVLONG		Non CDS Vehicle	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				VALUE in mph	#	#	#	#	#	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				VALUE in kmph	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Total Delta V	DVTOTAL		Non CDS Vehicle	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				VALUE in mph	#	#	#	#	#	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				VALUE in kmph	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Energy Absorption	ENERGY		Non CDS Vehicle	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				VALUE in foot-pounds	#	#	#	#	#	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				VALUE in joules	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
				Less than 50 joules	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				999,650 foot pounds or more	9997	9997	9997	9997	9997	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				999,650 joules or more	*	*	*	*	*	9997	9997	9997	9997	9997	9997	9997	9997	9997	9997	9997	9997	9997	9997	9997	9997	9997	9997	9997	9997	9997	9997	9997	9997
GV	Ethnicity	ETHNICIT	ETHNICIT	Hispanic/Latino	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1
				Not Hispanic/Latino	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2
				No Driver Present	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	8	8	8	8	8	8	8	8	8	8
GV	Four Wheel Drive	FOURWHDR	$FOURWHD	Not Coded	*	*	*	*	*	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				Some Veh Of Ser	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Unknown	*	*	*	*	*	*	*	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
				No	*	*	*	*	*	*	*	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
				Yes	*	*	*	*	*	*	*	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
GV	Front Override/Underride This Vehicle	FOVERIDE	OVERIDE	Non CDS Vehicle	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				No Over/Underide	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Override 1st Cdc	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Override 2nd Cdc	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Override Oth Cdc	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Underide 1st Cdc	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Underide 2nd Cdc	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Underide Oth Cdc	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				M/Hv Trk Overide	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Front Wheel Drive	FRTWHLDR	$FRTWHLD	Not Coded	*	*	*	*	*	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				Some Veh Of Ser	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Unknown	*	*	*	*	*	*	*	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
				No	*	*	*	*	*	*	*	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year, except for FRTWHLDR
. = blank/missing data

GV DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																											
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2010	2011	2012	2013	2014	2015
				Yes	*	*	*	*	*	*	*	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
GV	Fuel Code	FUELCODE	$FUELCDE	Not Coded	*	*	*	*	*	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				Unknown	*	*	*	*	*	*	*	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
				Elec+gas Hybrid	*	*	*	*	*	*	*	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
				Gas Convert	*	*	*	*	*	*	*	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
				Diesel	*	*	*	*	*	*	*	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
				Electric	*	*	*	*	*	*	*	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
				Flexible Fuel	*	*	*	*	*	*	*	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F
				Gasoline	*	*	*	*	*	*	*	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
				Ethanol	*	*	*	*	*	*	*	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
				Methanol	*	*	*	*	*	*	*	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
				Compressed Ng	*	*	*	*	*	*	*	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
				Propane	*	*	*	*	*	*	*	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
GV	Impact Speed	IMPACTSP		Not collected	*	*	*	*	*	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				VALUE	*	*	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
				Trajectory algorithm not run	*	*	*	*	*	*	*	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	999	998	998	998	998	998	998
				Unknown	*	*	*	*	*	*	*	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
GV	Type Of Vehicle Inspection	INSPTYPE	INSPTYPE	Non CDS Vehicle	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				No Inspection	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Complete Insp	1	1	1	1	1	1	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Veh Repaired	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Partial Insp	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	*	*	*	*	*	*	*	*	*	*
				Partial Insp-Other	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2
				Partial Insp Non-Tow	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4
				Partial Inspection - Photos Only	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	5	5	5	5	5	5	5	5
				Partial Inspection - MY greater than 10 years	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	6	6	6	6	6	6	6
				Partial Inspection - Partially Repaird	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	7	7	7	7
				Unknown	.U	.U	.U	.U	.U	.U	.U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
GV	Interrupted Rollover	INTEROLL	INTEROLL	Yes	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1
				No	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2
				No Rollover	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	8	8	8	8	8	8	8	8	8
				Unknown	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Number Of Lanes	LANES	LANES	One	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Two	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Three	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Four	*	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Five	*	*	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Six	*	*	*	*	*	*	*	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Seven Or More	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Unknown	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Light Conditions	LGTCOND	LGTCOND	Daylight	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Dark	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Dark/Lighted	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Dawn	*	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Dusk	*	*	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Unknown	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Attempted Avoidance Maneuver	MANEUVER	MANEUVER	No Driver	*	97	97	97	97	97	97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				No Impact	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No Avoidance	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Brake W/O Lockup	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Brake W/ Lockup	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Brake Unk Lockup	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Releasing Brakes	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Steering Left	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Steering Right	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Brake+steer Left	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Brake+steer Rt	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
				Accelerating	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
				Acc+steer Left	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
				Acc+steer Right	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
				Other Action	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Motorcycle Engine Displacement	MCYCLDS		VALUE	*	*	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
GV	Number Of Occupant Forms Submitted	OCCFORMS	OCCFORMS	Non CDS Vehicle	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				Non CDS Vehicle	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				97 Or More	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	98	99	99	99	99	99	99
GV	Initial Critical (Precrash) Event	PREEVENT	PREEVENT	Blowout/Flat Tire	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Stalled Engine	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year, except for FRTWHLDR
. = blank/missing data

GV DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																												
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2010	2011	2012	2013	2014	2015
				Disabling Vehicle Failure	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Non-disabling Vehicle Failure	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Poor Road Conditions	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Travel Too Fast	*	*	*	*	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Oth Control Loss	*	*	*	*	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unk Control Loss	*	*	*	*	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
				Over Line-Left	*	*	*	*	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
				Over Line-Right	*	*	*	*	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
				Off Edge-Left	*	*	*	*	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
				Off Edge-Right	*	*	*	*	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
				End Departure	*	*	*	*	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
				Turn Left-Inters	*	*	*	*	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	*	*	*	*	*
				Turn Left-Junction	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		*	15	15	15	15	15
				Turn Right-Inter	*	*	*	*	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	*	*	*	*	*
				Turn Right-Junction	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		*	16	16	16	16	16
				Cross Over Inter	*	*	*	*	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	*	*	*	*	*
				Crossing over (passing through) junction	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		*	17	17	17	17	17
				Decelerating	*	*	*	*	*	*	*	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
				Unk Travel Dir	*	*	*	*	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
				Stopped	*	*	*	*	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
				Same Dir-Lospeed	*	*	*	*	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
				Same Dir-Deceler	*	*	*	*	*	*	*	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
				Same Dir-Hispeed	*	*	*	*	52	52	52	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
				Travel Opp Dir	*	*	*	*	53	53	53	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
				In Crossover	*	*	*	*	54	54	54	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
				Backing	*	*	*	*	55	55	55	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
				Unk Dir Oth Veh	*	*	*	*	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
				Same Dir-Ov Left	*	*	*	*	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
				Same Dir-Ov Rght	*	*	*	*	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
				Opp Dir-Ovr Left	*	*	*	*	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
				Opp Dir-Ovr Rght	*	*	*	*	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
				From Parking Ln	*	*	*	*	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	*	*	*	*	*	*
				From Parking Ln/Shoulder	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		64	64	64	64	64	64
				Xing St-Same Dir	*	*	*	*	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
				Xing St-X Path	*	*	*	*	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
				Xing St-Opp Dir	*	*	*	*	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67
				Xing St-Unk Path	*	*	*	*	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68
				Drivway-Same Dir	*	*	*	*	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
				Driveway-X Path	*	*	*	*	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71
				Drivway-Opp Dir	*	*	*	*	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72
				Drivway-Unk Path	*	*	*	*	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73
				Entr Ltd Acc Hwy	*	*	*	*	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74
				Encroach-Det Unk	*	*	*	*	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78
				Ped in Roadway	*	*	*	*	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	*	*	*	*	*
				Ped in Road	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		*	80	80	80	80	80
				Ped Aproach Roadway	*	*	*	*	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81
				Ped-Unk Loc	*	*	*	*	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82
				Pedal/NM In Road	*	*	*	*	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83
				Pedal/NM Ap Road	*	*	*	*	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84
				Pedal/NM-Unk Loc	*	*	*	*	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
				Animal In Road	*	*	*	*	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87
				Animal App Road	*	*	*	*	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
				Animal-Unk Loc	*	*	*	*	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89
				Object In Road	*	*	*	*	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90
				Object App Road	*	*	*	*	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91
				Object-Unk Loc	*	*	*	*	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92
				Oth Crit Event	*	*	*	*	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
				Unknown	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Pre-Impact Location	CONSEQ (-94)	CONSEQ (-94)	No avoidance maneuver	*	*	*	*	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
		PREILOC (95+)	PREILOC (95+)	No Driver	*	*	*	*	8	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Stayed In Lane	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Left Travel Lane	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Unk If Left Lane	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Departed roadway	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Avoidance manuever initiated off roadway	*	*	*	*	5	5	5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Remained off roadway	*	*	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Returned to roadway	*	*	*	*	*	*	*	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Entered roadway	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Unknown	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year, except for FRTWHLDR
. = blank/missing data

GV DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																												
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2010	2011	2012	2013	2014	2015
GV	Pre-Impact Stability	PREISTAB	PREISTAB	No avoidance maneuver	*	*	*	*	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No Driver	*	*	*	*	8	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Tracking	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Longitudinal Skid	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Lateral Skid-Clockwise	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Lateral Skid-Counter Clockwise	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Other vehicle loss-of-control	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Precrash stability unknown	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Pre-Event Movement Prior Rec Crit Event	PREMOVE	PREMOVE	No driver present	*	*	*	*	98	98	98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Going Straight	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Slowing/Stopping	*	*	*	*	2	2	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Decelerating in lane	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	*	*	*	*	*
				Decelerating in road	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		*	2	2	2	2	2
				Starting in lane	*	*	*	*	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	*	*	*	*	*
				Accelerating in lane	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	*	*	*	*	*
				Accelerating in road	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3	3	3	3	3
				Starting in road	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	4	4	4	4	4
				Stopped in lane	*	*	*	*	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	*	*	*	*	*
				Stopped in road	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	5	5	5	5	5
				Passing/Overtaking another vehicle	*	*	*	*	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Disabled In Lane	*	*	*	*	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Leaving Parking	*	*	*	*	7	7	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Entering Parking	*	*	*	*	8	8	8	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
				Turning Right	*	*	*	*	9	9	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
				Turning Left	*	*	*	*	10	10	10	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
				Making U-Turn	*	*	*	*	11	11	11	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
				Backing Up	*	*	*	*	12	12	12	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
				Negotiate Curve	*	*	*	*	13	13	13	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
				Changing Lanes	*	*	*	*	14	14	14	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
				Merging	*	*	*	*	15	15	15	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
				Succesful avoidance to a previous critical event	*	*	*	*	16	16	16	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
				Other	*	*	*	*	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97
				Unknown	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Roadway Profile	PROFILE	PROFILE	Level	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Uphill Grade	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Hill Crest	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Downhill Grade	*	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Sag	*	*	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Unknown	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Pre Rollover Maneuver	PROLLMAN	PROLLMAN	No Rollover	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1
				Departing Roadway (To Paved Surface)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2
				Departing Roadway (To Non-Paved Surface)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3
				Returning To Roadway (From Paved Surface)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4
				Returning To Roadway (From Non-Paved Surface)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	5	5	5	5	5	5	5	5	5
				On Roadway Maneuver	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	6	6	6	6	6	6	6	6	6
				Off Roadway Maneuver	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7
				Unknown	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Race	RACE	RACE	White	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1
				Black	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2
				Asian	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3
				Native Hawiian/Other Pacific Islander	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4
				American Indian/Alaskan Native	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5
				Other	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7
				No Driver Present	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	8	8	8	8	8	8	8	8	8	8
				Unknown	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Relation To Junction	RELINTER	RELINTER	Nonintersection/Nonjunction	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Interchange Related	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Intersection Related	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Driveway Related	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Other Junction	*	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Unk Typ Junction	*	*	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Unknown	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Restraint Type	RESTYPE	$RESTYPE	Not Coded	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				Dual F+h/Ps Sn/Ac	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3
				Dual Fr/Ps Sn/Ac	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4
				Dual F+s+h/Rh/Ac	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7
				Unknown	*	*	*	*	*	*	*	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
				Manual Belts	*	*	*	*	*	*	*	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
				Drfr Bag/Pas Unk	*	*	*	*	*	*	*	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year, except for FRTWHLDR
. = blank/missing data

GV DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																												
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2010	2011	2012	2013	2014	2015
				Dual Fr/Belt Unk	*	*	*	*	*	*	*	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
				Drfr Bag/Pas Pas	*	*	*	*	*	*	*	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
				Dual Fr/Act Belt	*	*	*	*	*	*	*	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
				Dual Fr/Pas Belt	*	*	*	*	*	*	*	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F
				Dual Fr+sid/Unk	*	*	*	*	*	*	*	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
				Dual Fr+hd+si/Un	*	*	*	*	*	*	*	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
				Dual Fr+hd+si/Pa	*	*	*	*	*	*	*	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
				Dual Fr+side/Pas	*	*	*	*	*	*	*	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J
				Dual Fr+side/Act	*	*	*	*	*	*	*	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
				Dual Fr+hd+si/Ac	*	*	*	*	*	*	*	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
				Drfr Bag/Pas Act	*	*	*	*	*	*	*	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
				Passive Belts	*	*	*	*	*	*	*	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
				Dual F+s/Act/Sen	*	*	*	*	*	*	*	*	*	*	*	*	*	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
				Dual F+h+s/Ac/Se	*	*	*	*	*	*	*	*	*	*	*	*	*	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
				Dual F/Act/R Bag	*	*	*	*	*	*	*	*	*	*	*	*	*	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
				Dual F/Act/Ps Sw	*	*	*	*	*	*	*	*	*	*	*	*	*	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
				Dual F+h+s/Ac/Rb	*	*	*	*	*	*	*	*	*	*	*	*	*	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
				Dual F+h+s/Ac/Se	*	*	*	*	*	*	*	*	*	*	*	*	*	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
				Dual F+s/Act Dr	*	*	*	*	*	*	*	*	*	*	*	*	*	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
				Dual F+s/Ps Sw	*	*	*	*	*	*	*	*	*	*	*	*	*	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
GV	Direction Of Initial Roll	ROLINDIR	ROLINDIR	Not Collected	*	*	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				No Rollover	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Roll Right	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Roll Left	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				End-Over-End	*	*	*	*	5	5	5	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown Roll Dir	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Location Of Rollover	ROLINLOC	ROLINLOC	Not Collected	*	*	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				No Rollover	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				On Roadway	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				On Shlder-Paved	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				On Shlder-Unpave	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Roadside/Median	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				End-Over-End	*	*	*	*	*	*	*	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Rollover Initiation Type	ROLINTYP	ROLINTYP	Non CDS Vehicle	*	*	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				No Rollover	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Trip-Over	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Flip-Over	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Turn-Over	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Climb-Over	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Fall-Over	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Bounce-Over	*	*	*	*	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Collision W/Veh	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Other rollover type	*	*	*	*	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown rollover type	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				End-Over-End	*	*	*	*	*	*	*	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
GV	Estimated Distance Of Rollover	ROLLDIST	ROLLDIST	VALUE	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	#	#	#	#	#	#	#	#	#
				Unknown	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U
				No Rollover	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	888	888	888	888	888	888	888	888	888
				End-Over-End	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	998	998	998	998	998	998	998	998	998
GV	Rollover Initiation Object Contacted	ROLLOBJ	ROLLOBJ	Not Collected	*	*	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				No Rollover	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Vehicle No. 1	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Vehicle No. 2	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Vehicle No. 3	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Vehicle No. 4	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Vehicle No. 5	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Vehicle No. 6	*	*	*	*	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Vehicle No. 7	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Vehicle No. 8	*	*	*	*	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Vehicle No. 9	*	*	*	*	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
				Vehicle No. 10	*	*	*	*	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
				Turn/Fall-Over	*	*	*	*	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				End-Over-End	*	*	*	*	*	*	*	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Jackknife	*	*	*	*	33	33	33	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Small Tree	*	*	*	*	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
				Large Tree	*	*	*	*	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
				Shrub/Bush	*	*	*	*	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
				Embankment	*	*	*	*	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year, except for FRTWHLDR
. = blank/missing data

GV DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																											
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2010	2011	2012	2013	2014	2015
				Breakaway Pole	*	*	*	*	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	*	*	*	*	*	*	*	*
				Breakaway Pole/Post (any dia)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	45	45	45	45	45	45	45	45
				Metal guardrail	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	46	46	46	46	46	46	46	46	46
				Cable guardrail	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	47	47	47	47	47	47	47	47	47
				Small Pole	*	*	*	*	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
				Medium Pole	*	*	*	*	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
				Large Pole	*	*	*	*	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
				Unk Size Pole	*	*	*	*	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
				Concrete Barrier	*	*	*	*	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
				Impact Atenuator	*	*	*	*	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
				Other Traffic Barrier (Includes Guardrail) (Specify)	*	*	*	*	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	*	*	*	*	*	*	*	*	*
				Other Traffic Barrier (Specify)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	56	56	56	56	56	56	56	56	56
				Fence	*	*	*	*	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
				Wall	*	*	*	*	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
				Building	*	*	*	*	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
				Ditch/Culvert	*	*	*	*	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
				Ground	*	*	*	*	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
				Fire Hydrant	*	*	*	*	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
				Curb	*	*	*	*	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
				Bridge	*	*	*	*	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
				Other fixed object	*	*	*	*	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68
				Unknown fixed object	*	*	*	*	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69
				Not in-transport light vehicle	*	*	*	*	*	*	*	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
				Motor vehicle not in-transport	*	*	*	*	71	71	71	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Med/Hvy truck or bus not in-transport	*	*	*	*	*	*	*	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71
				Animal	*	*	*	*	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76
				Train	*	*	*	*	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	*	*	*	*	*	*	*	*
				Railway Vehicle	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	77	77	77	77	77	77	77	77
				Trailer-Disconn	*	*	*	*	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78
				Object fell from vehicle in-transport	*	*	*	*	*	*	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79
				Oth Nonfixed Obj	*	*	*	*	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
				Unk Nonfixed Obj	*	*	*	*	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89
				Other Event	*	*	*	*	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
				Unk Event/Object	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Rollover	ROLLOVER	ROLLOVER	Non CDS Vehicle	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				No rollover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				1 quarter turn	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				2 quarter turns	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				3 quarter turns	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				4 or more quarter turns	4	4	4	4	4	4	4	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				4 quarter turns	*	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				5 quarter turns	*	*	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				6 quarter turns	*	*	*	*	*	*	*	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				7 quarter turns	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				8 quarter turns	*	*	*	*	*	*	*	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				9 quarter turns	*	*	*	*	*	*	*	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
				10 quarter turns	*	*	*	*	*	*	*	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
				11 quarter turns	*	*	*	*	*	*	*	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
				12 quarter turns	*	*	*	*	*	*	*	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
				13 quarter turns	*	*	*	*	*	*	*	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
				14 quarter turns	*	*	*	*	*	*	*	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
				15 quarter turns	*	*	*	*	*	*	*	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
				16 quarter turns	*	*	*	*	*	*	*	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
				17 or more quarter turns	*	*	*	*	*	*	*	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
				End-over-end	5	5	5	5	5	5	5	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
				Rollover, details unknown.	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Roof, Optional Roof 1/2	ROOF1, ROOF2, ROOF3	ROOF	Not Collected	*	*	*	*	*	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				None/Not available	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Manual Sun/Moon	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Power Sun/Moon	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Removable Panels	*	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Removable Roof	*	*	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Retractable Roof	*	*	*	*	*	*	*	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Other/Unk(Vinrtn)	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Unknown	*	*	*	*	*	*	*	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
GV	Rear Override/Underride This Vehicle	ROVERIDE	OVERIDE	Not Collected	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				No Over/Underide	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Override 1st Cdc	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Override 2nd Cdc	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year, except for FRTWHLDR
. = blank/missing data

GV DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																											
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2010	2011	2012	2013	2014	2015
				Override Oth Cdc	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Underide 1st Cdc	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Underide 2nd Cdc	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Underide Oth Cdc	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				M/Hv Trk Overide	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	VIN Series Truck	SERTR		VALUE	*	*	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
GV	Other Drug: Specimen Test Results	SPECOTH	SPECOTH	No Test Given	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Drug Not Found	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Drug Found	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Test Results Unk	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				No Driver	*	*	*	*	*	*	*	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown If Given	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Speed Limit	SPLIMIT		No statutory limit	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				VALUE in mph	#	#	#	#	#	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				VALUE in kmph	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Roadway Surface Condition	SURCOND	SURCOND	Dry	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Wet	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Snow Or Slush	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	*	*	*	*	*	*	*	*	*
				Ice	*	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	*	*	*	*	*	*	*	*	*
				Sand/Dirt/Oil	*	*	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	*	*	*	*	*	*	*	*	*
				Snow	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3
				Slush	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	4	4	4	4	4	4	4	4
				Ice/Frost	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	5	5	5	5	5	5	5	5
				Water (standing, moving)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	6	6	6	6	6	6	6	6
				Sand	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7
				Dirt, mud or gravel	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	8	8	8	8	8	8	8	8
				Oil	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	9	9	9	9	9	9	9	9
				Other	*	*	*	*	*	*	*	8	8	8	8	8	8	8	8	8	8	8	8	8	8	*	*	*	*	*	*	*	*
				Other	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	88	89	88	88	88	88	88	88
				Unknown	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Roadway Surface Type	SURTYPE	SURTYPE	Concrete	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Asphalt	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Brick Or Block	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Slag/Gravl/Stone	*	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Dirt	*	*	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Other	*	*	*	*	*	*	*	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Towed Trailing Unit	TOWHITCH	TOWHITCH	Non CDS Vehicle	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				No Towed Unit	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Towed Unit	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Traffic Control Device	TRAFCONT	TRAFCONT	No Controls	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Traffic Signal	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Stop Sign	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Yield Sigh	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				School Zone Sign	*	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Other Reg Sign	*	*	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Warning Sign	*	*	*	*	*	*	*	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Unknown Sign	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Misc Oth Control	*	*	*	*	*	*	*	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Trafficway Flow	TRAFFLOW	TRAFFLOW	Not Divided	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Divided/No Barrier	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Divided with Barrier	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				One Way	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Unknown	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Transport Status	TRANSTAT	TRANSTAT	In Transport	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1
				Not In Transport	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2
				Working Motor Vehicle	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3
GV	Police Reported Travel Speed	TRAVELSP		Less than .5 mph	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Less than 0.5 kmph	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				VALUE in mph	#	#	#	#	#	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				VALUE in kmph	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
				96.5 mph + above	97	97	97	97	97	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				159.5 kmph + above	*	*	*	*	*	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160
				Not Reported	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	777	777	777	777	777	777	777
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year, except for FRTWHLDR
. = blank/missing data

GV DATA SET

					SAS Code																											
Data Set	**Variable Name**	**SAS Name**	**SAS Format Name**	**Format Label**	**1988**	**1989**	**1990**	**1991**	**1992**	**1993**	**1994**	**1995**	**1996**	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**
GV	Traffic Control Device Functioning	TRCTLFCT	TRCTLFCT	No Controls	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Contrl Not Funct	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Ctl Functioning	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Unknown	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Loc. On Veh. Where Init Trip Force Appl	TRIPLOC	TRIPLOC	Non CDS Vehicle	*	*	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				No Rollover	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Wheels/Tires	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Side Plane	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				End Plane	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Undercarriage	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Other Loc On Veh	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Noncontact Force	*	*	*	*	8	8	8	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				End-Over-End	*	*	*	*	*	*	*	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Maximum Known AIS in this Vehicle (AIS98 Format)	VAIS	AIS	Not Injured	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Minor Injury	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Moderate Injury	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Serious Injury	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Severe Injury	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Critical Injury	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Maximum Injury	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Injured, Unk Sev	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Not Collected	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N
				Unk If Injured	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Type Of Vehicle	VEHTYPE	$VEHTYPE	Not Coded	*	*	*	*	*	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				Unknown	*	*	*	*	*	*	*	*	*	9	9	9	9	9	9	9	9	9	9	9	9	9	10	9	9	9	9	9	9
				Motorcycle	*	*	*	*	*	*	*	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
				Passenger Car	*	*	*	*	*	*	*	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
				Truck	*	*	*	*	*	*	*	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
				Unknown	*	*	*	*	*	*	*	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
GV	Vehicle Special Use	VEHUSE	VEHUSE	No Special Use	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Taxi	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				School Bus	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Other Bus	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Military	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Police	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Ambulance	*	*	*	*	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Hearse	*	*	*	*	7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Fire Truck or Car	*	*	*	*	8	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	*	*	*	*	*	*	*	*	*
				Fire Truck	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7
				Emergency Services Vehicle	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	8	9	8	8	8	*	*	*
				Other	*	*	*	*	*	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	*	*	*	*	*	*	*	*
				Incident Response	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	11	11	11
				Non-Transport Emergency Services Vehicle	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	13	13	13
				Unknown	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	VIN Vehicle Weight	VEHWGT		VALUE	*	*	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
GV	VIN Model Cars And Trucks	VINAMOD		VALUE	*	*	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
GV	VIN Body Type	VINBT		VALUE	*	*	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
GV	Number Seriously Injured in this Vehicle (AIS98 Format)	VINJSER		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
				Not Collected	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N
GV	Number Injured In This Vehicle (AIS98 Format)	VINJURED		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
				Not Collected	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N
GV	VIN Length	VINLNGTH		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
GV	VIN Make	VINMAKE		VALUE	*	*	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
GV	VIN Model Year	VINMODYR		VALUE	*	*	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
GV	VINO	VINO	VINO	Unknown	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				None	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Missing	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Invalid	*	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Valid	*	*	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
GV	Maximum Treatment In This Vehicle	VTREAT	TREATMNT	No Treatment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Fatal	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Fatal-RI Disease	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Hospitalized	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Trans/Released	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Treat-Scne-Ntrans	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Treatment-Later	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Treatment-Other	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Trans-Unk Treat	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year, except for FRTWHLDR
. = blank/missing data

GV DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																												
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2010	2011	2012	2013	2014	2015
				Not Collected	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Atmospheric Conditions	WEATHER	WEATHER	No adverse conditions	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*
				Rain	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	*	*	*	*	*	*	*	*	*	*
				Sleet/Hail	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	*	*	*	*	*	*	*	*	*	*
				Snow	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	*	*	*	*	*	*	*	*	*	*
				Fog	*	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	*	*	*	*	*	*	*	*	*	*
				Rain And Fog	*	*	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	*	*	*	*	*	*	*	*	*	*
				Sleet And Fog	*	*	*	*	*	*	*	6	6	6	6	6	6	6	6	6	6	6	6	*	*	*	*	*	*	*	*	*	*
				Other	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	*	*	*	*	*	*	*	*	*	*
				Unknown	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	*	*	*	*	*	*	*	*	*	*
GV	Truck Weight Code	WGTCDTR	WGTCDTR	Not Coded	*	*	*	*	*	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				6000 Lbs & Under	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				6001-10000 Lbs	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				10001-14000 Lbs	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				14001-16000 Lbs	*	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				16001-19500 Lbs	*	*	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				19501-26000 Lbs	*	*	*	*	*	*	*	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				26001-33000 Lbs	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Over 33000 Lbs	*	*	*	*	*	*	*	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown	*	*	*	*	*	*	*	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
GV	Number Wheels/Number Of Drive Wheels	WHLDRWHL		VALUE	*	*	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
GV	Body Type Of The Other Vehicle	OTBDYTYP	BODYTYPE	Convertible	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				2dr Sedan/Ht/Cpe	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				3dr/2dr Hatchbak	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				4-Dr Sedan/Hdtop	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				5dr/4dr Hatchbak	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Station Wagon	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Hatchback Dr Unk	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Other Automobile	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unk Auto Type	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
				Auto Base Pickup	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
				Auto Based Panel	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
				Large Limousine	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
				Three-Wheel Auto	*	*	*	*	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
				Short utility	13	13	13	13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Compact Utility	*	*	*	*	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
				Truck Based Utility	14	14	14	14	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Large Utility	*	*	*	*	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
				Utility Stawagon	*	*	*	*	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
				3-Door Coupe	*	*	*	*	*	*	*	*	*	*	*	*	*	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
				Utility Unk Body	*	*	*	*	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
				Minivan	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
				Large Van	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
				Step Van <10k Lb	*	*	*	*	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
				Van Base Mtrhome	*	*	*	*	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				Van Based Schbus	*	*	*	*	*	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Van Based Othbus	*	*	*	*	*	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Other Van Type	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Unknown Van Type	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Compact Pickup	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Large Pickup	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Pickup/Camper	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Truck Based Station Wagon	33	33	33	33	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Convert Pickup	*	*	*	*	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Unk Pickup Truck	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
				Cab Chassis	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
				Truck Base Panel	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
				Lt Trk Motorhome	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
				Oth Light Truck	47	47	47	47	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
				Unk Light Truck	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
				Unk Light Veh	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
				School Bus	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
				Van Based Bus (≤ 4,536 kgs GVWR)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		*	55	55	55	55	55	55
				Other Bus	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
				Unknown Bus	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
				Step Van >10k Lb	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
				Single Unit Truck 10-26k GVWR	61	61	61	61	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Single Unit Truck 10-19.5	*	*	*	*	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year, except for FRTWHLDR
. = blank/missing data

GV DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																											
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2010	2011	2012	2013	2014	2015
				Single Unit Truck 19.5-26	*	*	*	*	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
				Single Unit Truck >26k Lb	62	62	62	62	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
				Single Unit Truck GVWR Unk	*	*	*	*	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
				Med/Hvy Trk Motorhome	63	63	63	63	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
				Bobtail Tractor	64	64	64	64	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67
				Trk-Trac 1 Trail	65	65	65	65	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68
				Trk-Trac 2 Trail	66	66	66	66	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69
				Trk-Tr Unk Trail	67	67	67	67	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
				Med/Hvy Pickup	*	*	*	*	*	*	*	*	*	*	*	*	*	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74
				Unk Med/Hvy Trk	68	68	68	68	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78
				Unknown Truck	69	69	69	69	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79
				Motorcycle	70	70	70	70	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
				Moped	71	71	71	71	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81
				3 Wheel Mc/Moped	*	*	*	*	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82
				Oth Motored Cycl	78	78	78	78	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
				Unk Motored Cycl	79	79	79	79	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89
				ATV and ATC	80	80	80	80	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90
				Snowmobile	*	*	*	*	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91
				Farm Equipment	*	*	*	*	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92
				Construct Equip	*	*	*	*	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93
				Low Speed Vehicle/Neighborhood Electric Vehicle	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		*	94	94	94	94	94	94
				Other Vehicle Type	88	89	90	91	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97
				Not Applicable	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
				Not Collected	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N
				Unknown Body Type	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Weight of the Other Vehicle	OTVEHWGT	CURBWGT	Non-CDS Vehicle	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				Less than 1050 lbs	10	10	10	10	10	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Less Than 450 Kg	*	*	*	*	*	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
				VALUE (*100) in lbs	#	#	#	#	#	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				VALUE (*10) in kg	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
				13,500 lbs or more	135	135	135	135	135	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				6,100 Kg Or More	*	*	*	*	*	610	610	610	610	610	610	610	610	610	610	610	610	610	610	610	610	610	610	610	610	610	610	610	610
				Not Applicable	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998
				Unknown Curb Weight	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
GV	Maximum Known AIS in this Vehicle (AIS08 Format)	VAIS08	AIS	Not Injured	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	0
				Minor Injury	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	1	1	1	1	1	1
				Moderate Injury	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2	2	2	2	2	2	2
				Serious Injury	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3	3	3	3	3	3	3
				Severe Injury	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	4	4	4	4	4	4	4
				Critical Injury	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	5	5	5	5	5	5	5
				Maximum Injury	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	6	6	6	6	6	6	6
				Injured, Unk Sev	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	7	7	7	7	7	7	7
				Not Collected	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.N	.N	.N	.N	.N	.N	.N
				Unk If Injured	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U
GV	Number Seriously Injured in this Vehicle (AIS08 Format)	VINJSER8		VALUE	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	#	#	#	#	#	#	#
				Not Collected	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.N	.N	.N	.N	.N	.N	.N
GV	Number Injured in this Vehicle (AIS08 Format)	VINJURD8		VALUE	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	#	#	#	#	#	#	#
				Not Collected	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.N	.N	.N	.N	.N	.N	.N
GV	Police Reported Other Drug Presence	DRUGS	DRUGS	No other drugs	*	*	*	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Yes (other drugs presesnt)	*	*	*	1	1	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Not reported	*	*	*	7	7	7	7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No driver present	*	*	*	8	8	8	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Unknown	*	*	*	.U	.U	.U	.U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
GV	Police Reported Drug Evaluation Classification (DEC)	EVALCLASS	EVALCLAS	No DEC process available or given	*	*	*	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				DRT determination using DEC	*	*	*	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Behavioral determination (no DRT)	*	*	*	2	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Other physical observation/perception (no DRT)	*	*	*	3	3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				DEC available, unknown if determined	*	*	*	4	4	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				DEC not available unk if obs/percep test given	*	*	*	5	5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Other observation/perception test	*	*	*	7	7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				DEC process given, results known	*	*	*	*	*	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				DEC process given, results unknown	*	*	*	*	*	2	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				DEC process available, unknown if given	*	*	*	*	*	3	3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No driver present	*	*	*	8	8	8	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
GV	Other Drug Specimen Test Type for Driver	SPECTEST	SPECTEST	No test given	*	*	*	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Blood test	*	*	*	1	1	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Urine test	*	*	*	2	2	2	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Other specimen test	*	*	*	3	3	3	3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Unspecified specimen test	*	*	*	7	7	7	7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year, except for FRTWHLDR
. = blank/missing data

GV DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																											
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2010	2011	2012	2013	2014	2015
				No driver present	*	*	*	8	8	8	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Unknown if specimen test given	*	*	*	.U	.U	.U	.U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
GV	Narcotic Drug: Obs/Perc Test Result ('91-'92)	OBSNARC	DECRESS	No DEC obs/percep test given	*	*	*	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Narcotic Drug Observed ('93-'94)			Passed DEC obs/percep test	*	*	*	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Failed DEC obs/percep test	*	*	*	2	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				DEC obs/percep test given - results unknown	*	*	*	3	3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No DEC test given	*	*	*	*	*	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Passed DEC test	*	*	*	*	*	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Failed DEC test	*	*	*	*	*	2	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				DEC test given - results unknown	*	*	*	*	*	3	3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No driver present	*	*	*	8	8	8	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Unknown if DEC obs/percep test given	*	*	*	.U	.U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Unknown if DEC test given	*	*	*	*	*	.U	.U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
GV	Narcotic Drug Specimen Test Results	SPECNARC	SPECRES	No specimen test given	*	*	*	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Drug not found in specimen	*	*	*	1	1	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Drug found in specimen	*	*	*	2	2	2	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Specimen test given, results unknown or not obtained	*	*	*	7	7	7	7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No driver present	*	*	*	8	8	8	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Unknown if DEC obs/percep test given	*	*	*	.U	.U	.U	.U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Unknown if DEC test given	*	*	*	*	*	.U	.U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
GV	Depressant Drug: Obs/Perc Test Result ('91-'92)	OBSDEPR	DECRESS	No DEC obs/percep test given	*	*	*	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Depressant Drug Observed ('93-'94)			Passed DEC obs/percep test	*	*	*	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Failed DEC obs/percep test	*	*	*	2	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				DEC obs/percep test given - results unknown	*	*	*	3	3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No DEC test given	*	*	*	*	*	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Passed DEC test	*	*	*	*	*	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Failed DEC test	*	*	*	*	*	2	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				DEC test given - results unknown	*	*	*	*	*	3	3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No driver present	*	*	*	8	8	8	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Unknown if DEC obs/percep test given	*	*	*	.U	.U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Unknown if DEC test given	*	*	*	*	*	.U	.U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
GV	Depressant Drug Specimen Test Results	SPECDEPR	SPECRES	No specimen test given	*	*	*	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Drug not found in specimen	*	*	*	1	1	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Drug found in specimen	*	*	*	2	2	2	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Specimen test given, results unknown or not obtained	*	*	*	7	7	7	7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No driver present	*	*	*	8	8	8	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Unknown if specimen test given	*	*	*	.U	.U	.U	.U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
GV	Stimulant Drug: Obs/Perc Test Result ('91-'92)	OBSSTIM	DECRESS	No DEC obs/percep test given	*	*	*	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Stimulant Drug Observed ('93-'94)			Passed DEC obs/percep test	*	*	*	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Failed DEC obs/percep test	*	*	*	2	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				DEC obs/percep test given - results unknown	*	*	*	3	3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No DEC test given	*	*	*	*	*	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Passed DEC test	*	*	*	*	*	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Failed DEC test	*	*	*	*	*	2	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				DEC test given - results unknown	*	*	*	*	*	3	3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No driver present	*	*	*	8	8	8	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Unknown if DEC obs/percep test given	*	*	*	.U	.U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Unknown if DEC test given	*	*	*	*	*	.U	.U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
GV	Stimulant Drug Specimen Test Results	SPECSTIM	SPECRES	No specimen test given	*	*	*	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Drug not found in specimen	*	*	*	1	1	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Drug found in specimen	*	*	*	2	2	2	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Specimen test given, results unknown or not obtained	*	*	*	7	7	7	7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No driver present	*	*	*	8	8	8	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Unknown if specimen test given	*	*	*	.U	.U	.U	.U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
GV	Hallucinogen Drug: Obs/Perc Test Result ('91-'92)	OBSHLUC	DECRESS	No DEC obs/percep test given	*	*	*	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Hallucinogen Drug Observed ('93-'94)			Passed DEC obs/percep test	*	*	*	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Failed DEC obs/percep test	*	*	*	2	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				DEC obs/percep test given - results unknown	*	*	*	3	3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No DEC test given	*	*	*	*	*	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Passed DEC test	*	*	*	*	*	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Failed DEC test	*	*	*	*	*	2	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				DEC test given - results unknown	*	*	*	*	*	3	3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No driver present	*	*	*	8	8	8	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Unknown if DEC obs/percep test given	*	*	*	.U	.U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Unknown if DEC test given	*	*	*	*	*	.U	.U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
GV	Hallucinogen Drug Specimen Test Results	SPECHLUC	SPECRES	No specimen test given	*	*	*	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Drug not found in specimen	*	*	*	1	1	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Drug found in specimen	*	*	*	2	2	2	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Specimen test given, results unknown or not obtained	*	*	*	7	7	7	7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No driver present	*	*	*	8	8	8	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year, except for FRTWHLDR
. = blank/missing data

GV DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																											
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2010	2011	2012	2013	2014	2015
				Unknown if specimen test given	*	*	*	.U	.U	.U	.U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
GV	Cannabinoid Drug: Obs/Perc Test Result ('91-'92)	OBSCNAB	DECRESS	No DEC obs/percep test given	*	*	*	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cannabinoid Drug Observed ('93-'94)			Passed DEC obs/percep test	*	*	*	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Failed DEC obs/percep test	*	*	*	2	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				DEC obs/percep test given - results unknown	*	*	*	3	3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No DEC test given	*	*	*	*	*	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Passed DEC test	*	*	*	*	*	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Failed DEC test	*	*	*	*	*	2	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				DEC test given - results unknown	*	*	*	*	*	3	3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No driver present	*	*	*	8	8	8	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Unknown if DEC obs/percep test given	*	*	*	.U	.U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Unknown if DEC test given	*	*	*	*	*	.U	.U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
GV	Cannabinoid Drug Specimen Test Results	SPECCNAB	SPECRES	No specimen test given	*	*	*	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Drug not found in specimen	*	*	*	1	1	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Drug found in specimen	*	*	*	2	2	2	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Specimen test given, results unknown or not obtained	*	*	*	7	7	7	7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No driver present	*	*	*	8	8	8	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Unknown if specimen test given	*	*	*	.U	.U	.U	.U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
GV	Phencyclindine Drug: Obs/Perc Test Result ('91-'92)	OBSPCP	DECRESS	No DEC obs/percep test given	*	*	*	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Phencyclindine Drug Observed ('93-'94)			Passed DEC obs/percep test	*	*	*	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Failed DEC obs/percep test	*	*	*	2	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				DEC obs/percep test given - results unknown	*	*	*	3	3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No DEC test given	*	*	*	*	*	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Passed DEC test	*	*	*	*	*	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Failed DEC test	*	*	*	*	*	2	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				DEC test given - results unknown	*	*	*	*	*	3	3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No driver present	*	*	*	8	8	8	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Unknown if DEC obs/percep test given	*	*	*	.U	.U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Unknown if DEC test given	*	*	*	*	*	.U	.U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
GV	Phencyclindine Drug Specimen Test Results	SPECPCP	SPECRES	No specimen test given	*	*	*	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Drug not found in specimen	*	*	*	1	1	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Drug found in specimen	*	*	*	2	2	2	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Specimen test given, results unknown or not obtained	*	*	*	7	7	7	7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No driver present	*	*	*	8	8	8	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Unknown if specimen test given	*	*	*	.U	.U	.U	.U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
GV	Inhalant Drug: Obs/Perc Test Result ('91-'92)	OBSINHL	DECRESS	No DEC obs/percep test given	*	*	*	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Inhalant Drug Observed ('93-'94)			Passed DEC obs/percep test	*	*	*	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Failed DEC obs/percep test	*	*	*	2	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				DEC obs/percep test given - results unknown	*	*	*	3	3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No DEC test given	*	*	*	*	*	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Passed DEC test	*	*	*	*	*	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Failed DEC test	*	*	*	*	*	2	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				DEC test given - results unknown	*	*	*	*	*	3	3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No driver present	*	*	*	8	8	8	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Unknown if DEC obs/percep test given	*	*	*	.U	.U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Unknown if DEC test given	*	*	*	*	*	.U	.U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
GV	Inhalant Drug Specimen Test Results	SPECINHL	SPECRES	No specimen test given	*	*	*	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Drug not found in specimen	*	*	*	1	1	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Drug found in specimen	*	*	*	2	2	2	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Specimen test given, results unknown or not obtained	*	*	*	7	7	7	7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No driver present	*	*	*	8	8	8	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Unknown if specimen test given	*	*	*	.U	.U	.U	.U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
GV	Other Drug: Obs/Perc Test Results ('91-'92)	OBSOTH	DECRESS	No DEC obs/percep test given	*	*	*	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Other Drug Observed ('93-'94)			Passed DEC obs/percep test	*	*	*	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Failed DEC obs/percep test	*	*	*	2	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				DEC obs/percep test given - results unknown	*	*	*	3	3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No DEC test given	*	*	*	*	*	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Passed DEC test	*	*	*	*	*	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Failed DEC test	*	*	*	*	*	2	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				DEC test given - results unknown	*	*	*	*	*	3	3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No driver present	*	*	*	8	8	8	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Unknown if DEC obs/percep test given	*	*	*	.U	.U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Unknown if DEC test given	*	*	*	*	*	.U	.U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
GV	Other Drug Specimen Test Results	SPECOTH	SPECRES	No specimen test given	*	*	*	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Drug not found in specimen	*	*	*	1	1	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Drug found in specimen	*	*	*	2	2	2	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Specimen test given, results unknown or not obtained	*	*	*	7	7	7	7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No driver present	*	*	*	8	8	8	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Unknown if specimen test given	*	*	*	.U	.U	.U	.U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year, except for FRTWHLDR
. = blank/missing data

VE DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																											
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
VE	Accident Event Sequence (Highest)	ACCSEQ1	ACCSEQ	No Event/No CDC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				No Event/No CDC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
VE	Multi-Stage Manufactured/Cert. Alt. Veh.	ALTVEH	ALTVEH	No Modif/Alter	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Yes Modif/Alter	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Unk If Veh Modif	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VE	Case Number - Stratum	CASEID		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
VE	Case Sequence Number	CASENO		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
VE	Direct Damage Width	DIRDAMW	DIRDAMW	VALUE (centimeters)	*	*	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
VE	CDCs Documented But Not Coded On File?	DOCCDC	DOCCDC	Not Documented	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Documented	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
VE	Direction Of Force (Highest/2nd Highest)	DOF1, DOF2	DOF	No CDC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				Nonhoriz Force	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				1 O'clock	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				2 O'clock	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				3 O'clock	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				4 O'clock	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				5 O'clock	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				6 O'clock	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				7 O'clock	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				8 O'clock	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				9 O'clock	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
				Unknown Dof	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				10 O'clock	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
				11 O'clock	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
				12 O'clock	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
				20-Nonhoriz Force	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
				21- 1 O'clock	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
				22- 2 O'clock	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
				23- 3 O'clock	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				24- 4 O'clock	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				25- 5 O'clock	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				26- 6 O'clock	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				27- 7 O'clock	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				28- 8 O'clock	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				29- 9 O'clock	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				30-10 O'clock	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				31-11 O'clock	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				32-12 O'clock	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				40-Nonhoriz Force	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
				41- 1 O'clock	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
				42- 2 O'clock	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
				43- 3 O'clock	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
				44- 4 O'clock	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
				45- 5 O'clock	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
				46- 6 O'clock	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46
				47- 7 O'clock	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47
				48- 8 O'clock	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
				49- 9 O'clock	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
				50-10 O'clock	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
				51-11 O'clock	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
				52-12 O'clock	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
				60-Nonhoriz Force	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
				61- 1 O'clock	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
				62- 2 O'clock	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
				63- 3 O'clock	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
				64- 4 O'clock	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
				65- 5 O'clock	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
				66- 6 O'clock	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
				67- 7 O'clock	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67
				68- 8 O'clock	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68
				69- 9 O'clock	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year
. = blank/missing data

VE DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																											
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
				70-10 O'clock	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
				71-11 O'clock	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71
				72-12 O'clock	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72
				80-Nonhoriz Force	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
				81- 1 O'clock	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81
				82- 2 O'clock	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82
				83- 3 O'clock	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83
				84- 4 O'clock	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84
				85- 5 O'clock	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
				86- 6 O'clock	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86
				87- 7 O'clock	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87
				88- 8 O'clock	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
				89- 9 O'clock	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89
				90-10 O'clock	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90
				91-11 O'clock	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91
				92-12 O'clock	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92
VE	Crush Profile C1 (Highest)	DVC1		VALUE (inches)	#	#	#	#	#	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				VALUE (centimeters)	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
VE	Crush Profile C2 (Highest)	DVC2		VALUE (inches)	#	#	#	#	#	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				VALUE (centimeters)	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
VE	Crush Profile C3 (Highest)	DVC3		VALUE (inches)	#	#	#	#	#	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				VALUE (centimeters)	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
VE	Crush Profile C4 (Highest)	DVC4		VALUE (inches)	#	#	#	#	#	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				VALUE (centimeters)	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
VE	Crush Profile C5 (Highest)	DVC5		VALUE (inches)	#	#	#	#	#	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				VALUE (centimeters)	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
VE	Crush Profile C6 (Highest)	DVC6		VALUE (inches)	#	#	#	#	#	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				VALUE (centimeters)	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
VE	Crush Profile D (Highest)	DVD		VALUE (inches)	#	#	#	#	#	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				VALUE (centimeters)	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
VE	Crush Profile L (Highest)	DVL		VALUE (inches)	#	#	#	#	#	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				VALUE (centimeters)	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
VE	Deformation Extent (Highest/2nd Highest)	EXTENT1, EXTENT2	EXTENT	No CDC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				One	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Two	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Three	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Four	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Five	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Six	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Seven	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Eight	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Nine	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VE	Fire Occurrence	FIRE	FIRE	No Fire	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Minor Fire	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Major Fire	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Unk Imp/Ext Fire	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	*	*	*	*	*	*	*	*	*	*
VE	Origin Of Fire	FIREORIG	FIREORIG	No Fire	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Vehicle Exterior	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Exhaust System	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Fuel Tank	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Engine Compart	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Cargo/Trunk Area	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Instrument Panel	*	*	*	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Passenger Area	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Other Location	*	*	*	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown Origin	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VE	Location Of Fuel Tank-1/2 Filler Cap	FUELCAP1, FUELCAP2	FUELCAP	No Fuel Tank	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				On Back Plane	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Aft Ctr Rwhl-Ls	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Aft Ctr Rwhl-Rs	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year
. = blank/missing data

VE DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																											
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
				Fwd Ctr Rwhl-Ls	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Fwd Ctr Rwhl-Rs	*	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Center Rwhl-Ls	*	*	*	*	*	*	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Center Rwhl-Rs	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Other	*	*	*	*	*	*	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Not applicable	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.N	.N	.N	.N	.N	.N
				Vehicle not in transport	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.
VE	Damage To Fuel Tank-1/2	FUELDAM1, FUELDAM2	FUELDAM	No Fuel Tank	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				No Damage	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Deformed	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	*	*	*	*	*	*	*	*
				Deformed	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2
				Deform+seam Fail	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	*	*	*	*	*	*	*	*
				Deform+seam Sep	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3
				Punctured	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Lacerated	*	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Abraded	*	*	*	*	*	*	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Fill Neck Separ	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Other Damage	*	*	*	*	*	*	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Vehicle not in transport	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.
VE	Leakage Location Of Fuel System-1/2	FUELEAK1, FUELEAK2	FUELEAK	No Fuel Tank	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				No Fuel Leakage	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Tank	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Filler Neck	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Cap	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Line/Pump/Filter	*	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Vent/Emiss Recov	*	*	*	*	*	*	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Other	*	*	*	*	*	*	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				No Fuel Tank	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				No Fuel Leakage	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Tank	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Filler Neck	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Cap	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Line/Pump/Filter	*	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Vent/Emiss Recov	*	*	*	*	*	*	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Other	*	*	*	*	*	*	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Vehicle not in transport	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.
VE	Location Of Fuel Tank-1/2	FUELLOC1, FUELLOC2	FUELLOC	No Fuel Tank	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Aft Ctr Rwhl-Ctr	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Aft Ctr Rwhl-Ls	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Aft Ctr Rwhl-Rs	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Fwd Ctr Rwhl-Ctr	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Fwd Ctr Rwhl-Ls	*	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Fwd Ctr Rwhl-Rs	*	*	*	*	*	*	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Center Rear Whl	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Other	*	*	*	*	*	*	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Not applicable	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.N	.N	.N	.N	.N	.N
				Vehicle not in transport	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.
VE	Type of Fuel Tank	FUELTANK	FUELTANK	No Fuel Tank (electric vehicle)	*	*	*	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Metallic	*	*	*	1	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Non-metallic	*	*	*	2	2	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Unknown	*	*	*	.U	.U	.U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
VE	Type Of Fuel Tank-1/2	FUELTNK1, FUELTNK2	FUELTANK	No Fuel Tank	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Metallic Tank	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Non-Metallic	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Unk Type Tank	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				No Fuel Tank	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year
. = blank/missing data

VE DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																										
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
				Metallic Tank	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Non-Metallic	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Unk Type Tank	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Not applicable	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.N	.N	.N	.N	.N	.N
				Vehicle not in transport	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.
VE	Fuel Type-1/2	FUELTYP1, FUELTYP2	FUELTYP	No Fuel Tank	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Gasoline	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Diesel	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				CNG	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				LPG	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				LNG	*	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Methanol (M100 OR M85)	*	*	*	*	*	*	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	*	*	*	*	*
				Methanol (M100)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	6	6	6	6	6
				Ethanol (E100 OR E85)	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	*	*	*	*	*
				Ethanol (E100)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	7	7	7	7	7
				Other Hydrogen	*	*	*	*	*	*	8	8	8	8	8	8	8	8	8	8	8	8	8	*	*	*	*	*	*	*	*	*
				Hydrogen Fuel Cell	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	9	9	9	9	9	9	9	9	9
				Lead Acid Battery	*	*	*	*	*	*	10	10	10	10	10	10	10	10	10	10	10	10	10	*	*	*	*	*	*	*	*	*
				Nickel-Iron Batt	*	*	*	*	*	*	11	11	11	11	11	11	11	11	11	11	11	11	11	*	*	*	*	*	*	*	*	*
				Nickel-Cadmium Battery	*	*	*	*	*	*	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	*	*
				Sodium Metal Bat	*	*	*	*	*	*	13	13	13	13	13	13	13	13	13	13	13	13	13	*	*	*	*	*	*	*	*	*
				Sodium Sulfer Bt	*	*	*	*	*	*	14	14	14	14	14	14	14	14	14	14	14	14	14	*	*	*	*	*	*	*	*	*
				Nickel-Metal Hyd (NiMH)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	15	15	15	15	15	15	15	15	15	15	15
				Lithium-ion Battery	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	16	16	16	16	16
				Gasoline/Ethanol (E85)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	17	17	17	17	17
				Gasoline/Methanol (M85)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	18	18	18	18	18
				Other Battery	*	*	*	*	*	*	18	18	18	18	18	18	18	18	18	18	18	18	18	*	*	*	*	*	*	*	*	*
				Unk Battery Typ	*	*	*	*	*	*	97	97	97	97	97	97	97	97	97	97	97	97	97	*	*	*	*	*	*	*	*	*
				Other	*	*	*	*	*	*	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
				Unk Fuel Type	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Vehicle not in transport	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.
VE	Fuel Precrash Status	FUELPRE1, FUELPRE2	FUELPRE	No fuel tank	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0
				No damage	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	1	1	1	1	1
				Corroded	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2	2	2	2	2	2
				Leaking	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3	3	3	3	3	3
				Abraded	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	4	4	4	4	4	4
				Other	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	8	8	8	8	8	8
				Not applicable	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.N	.N	.N	.N	.N	.N
				Unknown	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U
				Vehicle not in transport	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.
VE	Equipped With More Than Two Fuel Tanks	FUELGT2	FUELGT	No	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.	.	.	.
				No	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*
				Yes-No Damage/Leakage	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Yes-Fuel Leakage	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Yes-Dam+fueleak	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Unknown	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VE	Deformation Location (Highest/2nd Highest)	GAD1, GAD2	$GAD	Not A Motor Veh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Unknown	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
				Back/Trk Back	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
				Rear Of Cab	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
				Back Of Tractor	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
				Front	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F
				Left Side	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
				Noncollision	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
				Right Side	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
				Top	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
				Undercarriage	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
				Fr Of Cargo Area	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
VE	Object Contacted (Highest/2nd Highest)	OBJCONT1, OBJCONT2	OBJCONT	No Event/CDC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				Vehicle No. 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Vehicle No. 2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year
. = blank/missing data

VE DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																											
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
				Vehicle No. 3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Vehicle No. 4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Vehicle No. 5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Vehicle No. 6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Vehicle No. 7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Vehicle No. 8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Vehicle No. 9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
				Vehicle No. 10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
				Vehicle No. 11	*	*	*	*	*	*	*	*	*	*	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
				Rollover	31	31	31	31	31	31	31	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Rollover (excludes end-over-end)	*	*	*	*	*	*	*	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Rollover - end-over-end	*	*	*	*	*	*	*	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Fire/Explosion	32	32	32	32	32	32	32	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Jackknife	33	33	33	33	33	33	33	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Intraunit Damage	34	34	34	34	34	34	34	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Noncollision Injury	35	35	35	35	35	35	35	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Oth Noncollision	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Unk Noncollision	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
				Small Tree	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
				Large Tree	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
				Bush	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
				Embankment	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
				Breakaway Pole	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
				Metal Guardrail	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	46	46	*	*	*	*	*	*
				Cable Guardrail	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	47	47	47	47	47	47	47	47
				Guardrail Face	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	48	48	48	48	48	48
				Guardrail End	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	49	49	49	49	49	49
				Small Pole	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
				Medium Pole	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
				Large Pole	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
				Unk Size Pole	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
				Concrete Barrier	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
				Impact Atenuator	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
				Other Traffic Barrier	56	56	56	56	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	56	56	56	56	56	56	56	56
				Other Traffic Barrier (includes guardrail)	*	*	*	*	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	*	*	*	*	*	*	*	*	*
				Fence	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
				Wall	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
				Building	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
				Ditch/Culvert	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
				Ground	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
				Fire Hydrant	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
				Curb	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
				Bridge	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
				Oth Fixed Object	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68
				Unk Fixed Object	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69
				Not in-transport light vehicle	*	*	*	*	*	*	*	70	70	70	70	70	70	70	70	70	70	70	70	*	*	*	*	*	*	*	*	*
				Motor vehicle not in-transport	71	71	71	71	71	71	71	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Not in-transport med/hvy vehicle	*	*	*	*	*	*	*	71	71	71	71	71	71	71	71	71	71	71	71	*	*	*	*	*	*	*	*	*
				Pedestrian	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72
				Cyclist	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73
				Oth Nonmotorist	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74
				Vehicle Occupant	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
				Animal	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76
				Train	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	*	*	*	*	*	*	*	*
				Railway Vehicle	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	77	77	77	77	77	77	77
				Trailer, Disconn	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78
				Obj Fell Frm Veh	*	*	*	*	*	*	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79
				Oth Nonfixed Obj	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
				Unk Nonfixed Obj	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89
				Other Event	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
				Unk Event/Object	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year
. = blank/missing data

VE DATA SET

					SAS Code																											
Data Set	**Variable Name**	**SAS Name**	**SAS Format Name**	**Format Label**	**1988**	**1989**	**1990**	**1991**	**1992**	**1993**	**1994**	**1995**	**1996**	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**
VE	Original Average Track Width	ORIGAVTW	ORIGAVTW	VALUE (centimeters)	*	*	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
VE	Clock Direction For Pdof In Degrees (Highest Cdc)	PDOF1	PDOF	Unknown	*	*	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Non Horizontal Impact	*	*	*	*	*	*	*	*	*	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998
VE	Clock Direction For Pdof In Degrees (2nd Highest Cdc)	PDOF2	PDOF	Unknown	*	*	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Non Horizontal Impact	*	*	*	*	*	*	*	*	*	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998
VE	Primary Sampling Unit Number	PSU		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
VE	Ratio Inflation Factor	RATWGT		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
VE	Crush Profile C1 (2nd Highest)	SDVC1		VALUE (inches)	#	#	#	#	#	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				VALUE (centimeters)	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
VE	Crush Profile C2 (2nd Highest)	SDVC2		VALUE (inches)	#	#	#	#	#	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				VALUE (centimeters)	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
VE	Crush Profile C3 (2nd Highest)	SDVC3		VALUE (inches)	#	#	#	#	#	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				VALUE (centimeters)	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
VE	Crush Profile C4 (2nd Highest)	SDVC4		VALUE (inches)	#	#	#	#	#	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				VALUE (centimeters)	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
VE	Crush Profile C5 (2nd Highest)	SDVC5		VALUE (inches)	#	#	#	#	#	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				VALUE (centimeters)	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
VE	Crush Profile C6 (2nd Highest)	SDVC6		VALUE (inches)	#	#	#	#	#	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				VALUE (centimeters)	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
VE	Crush Profile D (2nd Highest)	SDVD		VALUE (inches)	#	#	#	#	#	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				VALUE (centimeters)	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
VE	Crush Profile L (2nd Highest)	SDVL		VALUE (inches)	#	#	#	#	#	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				VALUE (centimeters)	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
VE	Specific Longitudinal Location (Highest)	SHL1		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
VE	Specific Longitudinal Loc. (2nd Highest)	SHL2		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
VE	Case Stratum	STRATIF		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
VE	Specific Vertical Location (Highest)	SVL1		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
VE	Specific Vertical Location (2nd Highest)	SVL2		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
VE	Type Of Damage Distribution (Highest/2nd Highest)	TDD1, TDD2	$TDD	No CDC																												
				Unknown	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
				Overhang Struct	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
				Corner	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
				Conversion Impact	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
				Narrow Impact	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
				Rollover	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
				Sideswipe	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
				No Residual Def	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
				Wide Impact Area	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
VE	Researcher Assessmnt Vehicle Disposition	TOWRES	TOWRES	Not Towed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	*	*	*
				Towed	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	*	*	*	*	*
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	*	*	*	*	*
VE	Undeformed End Width	UNDENDW		VALUE (centimeters)	*	*	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
VE	Vehicle Number	VEHNO		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
VE	Version Number	VERSION		VALUE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	20	22	23	24	25	26	27	28
VE	Original Wheelbase	WHEELBAS		VALUE (inches, with 1 decimal place implied)	#	#	#	#	#	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				VALUE (centimeters)	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year
. = blank/missing data

VI DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																											
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
VI	Primary Sampling Unit Number	PSU		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
VI	Vehicle Number	VEHNO		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
VI	Case Sequence Number	CASENO		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
VI	Case Stratum	STRATIF		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
VI	Case Number - Stratum	CASEID		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
VI	Ratio Inflation Factor	RATWGT		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
VI	Version Number	VERSION		VALUE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	20	22	23	24	25	26	27	28
VI	Passenger Compartment Integrity	PASINTEG	PASINTEG	No Loss	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Windshield	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Side Door	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Back Door/Hatch	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Roof	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Roof Glass	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Side Window	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Rear Window	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Roof+roof Glass	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Windshield+door	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
				Windshield+roof	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
				Side+rear Window	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
				Ws + Side Window	*	*	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
				Door+side Window	*	*	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
				Oth Combination	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	LF Door, Tailgate or Hatch Opening	OPENLF	OPEN	No Dr/Gate/Hatch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Remained Closed	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Came Open	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Jammed Shut	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Other	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	LR Door, Tailgate or Hatch Opening	OPENLR	OPEN	No Dr/Gate/Hatch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Remained Closed	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Came Open	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Jammed Shut	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Other	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	RF Door, Tailgate or Hatch Opening	OPENRF	OPEN	No Dr/Gate/Hatch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Remained Closed	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Came Open	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Jammed Shut	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Other	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	RR Door, Tailgate or Hatch Opening	OPENRR	OPEN	No Dr/Gate/Hatch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Remained Closed	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Came Open	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Jammed Shut	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Other	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	TG Door, Tailgate or Hatch Opening	OPENTG	OPEN	No Dr/Gate/Hatch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Remained Closed	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Came Open	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Jammed Shut	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Other	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	LF Damage/Failure - Opening in Collision	FAILLF	DAMFAIL	None/Not Opened	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Operational	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Latch/Strik Fail	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Hinge Failure	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Door Struct Fail	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Dr Support Fail	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Ltc/Str+hng Fail	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Other Failure	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year
. = blank/missing data

VI DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																											
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	LR Damage/Failure - Opening In Collision	FAILLR	DAMFAIL	None/Not Opened	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Operational	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Latch/Strik Fail	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Hinge Failure	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Door Struct Fail	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Dr Support Fail	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Ltc/Str+hng Fail	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Other Failure	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	RF Damage/Failure - Opening In Collision	FAILRF	DAMFAIL	None/Not Opened	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Operational	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Latch/Strik Fail	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Hinge Failure	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Door Struct Fail	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Dr Support Fail	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Ltc/Str+hng Fail	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Other Failure	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	RR Damage/Failure - Opening In Collision	FAILRR	DAMFAIL	None/Not Opened	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Operational	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Latch/Strik Fail	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Hinge Failure	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Door Struct Fail	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Dr Support Fail	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Ltc/Str+hng Fail	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Other Failure	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	TG Damage/Failure - Opening In Collision	FAILTG	DAMFAIL	None/Not Opened	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Operational	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Latch/Strik Fail	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Hinge Failure	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Door Struct Fail	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Dr Support Fail	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Ltc/Str+hng Fail	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Other Failure	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	WS Glazing Damage From Impact Forces	GLIMPWS	GLIMP	No Glazing	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				No damage from impact	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Glazing in place and cracked from impact	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Glazing in place and holed from impact	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Glazing out-of-place and not holed from impact	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Glazing out-of-place and holed from impact	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Glazing disintegrated from impact	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Removed Prior	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				No Glazing	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown if damaged	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	LF Glazing Damage From Impact Forces	GLIMPLF	GLIMP	No Glazing	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				No damage from impact	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Glazing in place and cracked from impact	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Glazing in place and holed from impact	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Glazing out-of-place and not holed from impact	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Glazing out-of-place and holed from impact	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Glazing disintegrated from impact	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Removed Prior	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				No Glazing	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown if damaged	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	LR Glazing Damage From Impact Forces	GLIMPLR	GLIMP	No Glazing	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				No damage from impact	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Glazing in place and cracked from impact	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Glazing in place and holed from impact	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year
. = blank/missing data

VI DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																											
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
				Glazing out-of-place and not holed from impact	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Glazing out-of-place and holed from impact	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Glazing disintegrated from impact	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Removed Prior	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				No Glazing	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown if damaged	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	RF Glazing Damage From Impact Forces	GLIMPRF	GLIMP	No Glazing	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				No damage from impact	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Glazing in place and cracked from impact	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Glazing in place and holed from impact	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Glazing out-of-place and not holed from impact	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Glazing out-of-place and holed from impact	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Glazing disintegrated from impact	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Removed Prior	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				No Glazing	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown if damaged	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	RR Glazing Damage From Impact Forces	GLIMPRR	GLIMP	No Glazing	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				No damage from impact	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Glazing in place and cracked from impact	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Glazing in place and holed from impact	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Glazing out-of-place and not holed from impact	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Glazing out-of-place and holed from impact	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Glazing disintegrated from impact	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Removed Prior	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				No Glazing	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown if damaged	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	BL Glazing Damage From Impact Forces	GLIMPBL	GLIMP	No Glazing	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				No damage from impact	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Glazing in place and cracked from impact	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Glazing in place and holed from impact	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Glazing out-of-place and not holed from impact	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Glazing out-of-place and holed from impact	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Glazing disintegrated from impact	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Removed Prior	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				No Glazing	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown if damaged	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	Roof Glazing Damage From Impact Forces	GLIMPRUF	GLIMP	No Glazing	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				No damage from impact	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Glazing in place and cracked from impact	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Glazing in place and holed from impact	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Glazing out-of-place and not holed from impact	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Glazing out-of-place and holed from impact	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Glazing disintegrated from impact	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Removed Prior	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				No Glazing	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown if damaged	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	Other Glazing Damage From Impact Forces	GLIMPOTH	GLIMP	No Glazing	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				No damage from impact	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Glazing in place and cracked from impact	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Glazing in place and holed from impact	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Glazing out-of-place and not holed from impact	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Glazing out-of-place and holed from impact	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Glazing disintegrated from impact	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Removed Prior	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				No Glazing	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown if damaged	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	WS Glazing Damage From Occupant Contact	GLOCCWS	GLOCC	No occupant contact or no glazing	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No Glazing	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				No occupant contact to glazing	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Glazing contacted by occupant but no damage	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Glazing in place and cracked by occupant	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year
. = blank/missing data

VI DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																											
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
				Glazing in place and holed by occupant	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Glazing out-of-place and not holed by occupant	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Glazing out-of-place and holed by occupant	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Glazing removed prior to crash	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Glazing disintegrated by occupant	6	6	6	6	6	6	6	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown if contacted by occupant	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	LF Glazing Damage From Occupant Contact	GLOCCLF	GLOCC	No occupant contact or no glazing	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No Glazing	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				No occupant contact to glazing	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Glazing contacted by occupant but no damage	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Glazing in place and cracked by occupant	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Glazing in place and holed by occupant	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Glazing out-of-place and not holed by occupant	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Glazing out-of-place and holed by occupant	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Glazing removed prior to crash	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Glazing disintegrated by occupant	6	6	6	6	6	6	6	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown if contacted by occupant	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	LR Glazing Damage From Occupant Contact	GLOCCLR	GLOCC	No occupant contact or no glazing	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No Glazing	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				No occupant contact to glazing	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Glazing contacted by occupant but no damage	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Glazing in place and cracked by occupant	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Glazing in place and holed by occupant	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Glazing out-of-place and not holed by occupant	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Glazing out-of-place and holed by occupant	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Glazing removed prior to crash	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Glazing disintegrated by occupant	6	6	6	6	6	6	6	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown if contacted by occupant	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	RF Glazing Damage From Occupant Contact	GLOCCRF	GLOCC	No occupant contact or no glazing	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No Glazing	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				No occupant contact to glazing	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Glazing contacted by occupant but no damage	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Glazing in place and cracked by occupant	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Glazing in place and holed by occupant	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Glazing out-of-place and not holed by occupant	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Glazing out-of-place and holed by occupant	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Glazing removed prior to crash	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Glazing disintegrated by occupant	6	6	6	6	6	6	6	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown if contacted by occupant	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	RR Glazing Damage From Occupant Contact	GLOCCRR	GLOCC	No occupant contact or no glazing	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No Glazing	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				No occupant contact to glazing	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Glazing contacted by occupant but no damage	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Glazing in place and cracked by occupant	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Glazing in place and holed by occupant	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Glazing out-of-place and not holed by occupant	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Glazing out-of-place and holed by occupant	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Glazing removed prior to crash	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Glazing disintegrated by occupant	6	6	6	6	6	6	6	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown if contacted by occupant	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	BL Glazing Damage From Occupant Contact	GLOCCBL	GLOCC	No occupant contact or no glazing	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No Glazing	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				No occupant contact to glazing	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Glazing contacted by occupant but no damage	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Glazing in place and cracked by occupant	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Glazing in place and holed by occupant	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Glazing out-of-place and not holed by occupant	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Glazing out-of-place and holed by occupant	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Glazing removed prior to crash	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Glazing disintegrated by occupant	6	6	6	6	6	6	6	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown if contacted by occupant	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year
. = blank/missing data

VI DATA SET

					SAS Code																											
Data Set	**Variable Name**	**SAS Name**	**SAS Format Name**	**Format Label**	**1988**	**1989**	**1990**	**1991**	**1992**	**1993**	**1994**	**1995**	**1996**	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**
VI	Roof Glazing Damage From Occ. Contact	GLOCCRUF	GLOCC	No occupant contact or no glazing	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No Glazing	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				No occupant contact to glazing	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Glazing contacted by occupant but no damage	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Glazing in place and cracked by occupant	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Glazing in place and holed by occupant	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Glazing out-of-place and not holed by occupant	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Glazing out-of-place and holed by occupant	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Glazing removed prior to crash	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Glazing disintegrated by occupant	6	6	6	6	6	6	6	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown if contacted by occupant	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	Other Glazing Damage From Occ. Contact	GLOCCOTH	GLOCC	No occupant contact or no glazing	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No Glazing	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				No occupant contact to glazing	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Glazing contacted by occupant but no damage	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Glazing in place and cracked by occupant	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Glazing in place and holed by occupant	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Glazing out-of-place and not holed by occupant	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Glazing out-of-place and holed by occupant	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Glazing removed prior to crash	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Glazing disintegrated by occupant	6	6	6	6	6	6	6	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown if contacted by occupant	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	WS Type Of Window/Windshield Glazing	GLTYPWS	GLTYP	No contact / No glazing	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No Glazing	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				AS-1 - Laminated	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				AS-2 - Tempered	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				AS-3 - Tempered-Tinted	3	3	3	3	3	3	3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				AS-3 - Tempered-Tinted (original)	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				AS-2 - Tempered with aftermarket tint	*	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				AS-3 - Tempered-Tinted with additional tint	*	*	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				AS-14 - Glass/Plastic	4	4	4	4	4	4	4	6	6	6	6	6	6	6	6	6	6	6	6	*	*	*	*	*	*	*	*	*	*
				Removed prior to crash	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				AS-2 Laminated	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	11	11	11	11	11	11	11	11	11	11
				AS-2 Laminated with aftermarket tint	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	12	12	12	12	12	12	12	12	12	12
				AS-3 Laminated tinted (original)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	13	13	13	13	13	13	13	13	13	13
				AS-3 Laminated tinted with additional tint	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	14	14	14	14	14	14	14	14	14	14
				AS-6 Flexplastic	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	15	15	15	15	15	15	15	15	15	15
				Other	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	98	98	98	98	98	98	98	98	98
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	LF Type Of Window/Windshield Glazing	GLTYPLF	GLTYP	No contact / No glazing	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No Glazing	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				AS-1 - Laminated	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				AS-2 - Tempered	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				AS-3 - Tempered-Tinted	3	3	3	3	3	3	3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				AS-3 - Tempered-Tinted (original)	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				AS-2 - Tempered with aftermarket tint	*	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				AS-3 - Tempered-Tinted with additional tint	*	*	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				AS-14 - Glass/Plastic	4	4	4	4	4	4	4	6	6	6	6	6	6	6	6	6	6	6	6	*	*	*	*	*	*	*	*	*	*
				Removed prior to crash	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				AS-2 Laminated	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	11	11	11	11	11	11	11	11	11	11
				AS-2 Laminated with aftermarket tint	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	12	12	12	12	12	12	12	12	12	12
				AS-3 Laminated tinted (original)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	13	13	13	13	13	13	13	13	13	13
				AS-3 Laminated tinted with additional tint	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	14	14	14	14	14	14	14	14	14	14
				AS-6 Flexplastic	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	15	15	15	15	15	15	15	15	15	15
				Other	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	98	98	98	98	98	98	98	98	98
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	LR Type Of Window/Windshield Glazing	GLTYPLR	GLTYP	No contact / No glazing	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No Glazing	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				AS-1 - Laminated	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				AS-2 - Tempered	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				AS-3 - Tempered-Tinted	3	3	3	3	3	3	3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year
. = blank/missing data

VI DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																											
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
				AS-3 - Tempered-Tinted (original)	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				AS-2 - Tempered with aftermarket tint	*	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				AS-3 - Tempered-Tinted with additional tint	*	*	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				AS-14 - Glass/Plastic	4	4	4	4	4	4	4	6	6	6	6	6	6	6	6	6	6	6	6	*	*	*	*	*	*	*	*	*
				Removed prior to crash	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				AS-2 Laminated	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	11	11	11	11	11	11	11	11	11
				AS-2 Laminated with aftermarket tint	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	12	12	12	12	12	12	12	12	12
				AS-3 Laminated tinted (original)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	13	13	13	13	13	13	13	13	13
				AS-3 Laminated tinted with additional tint	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	14	14	14	14	14	14	14	14	14
				AS-6 Flexplastic	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	15	15	15	15	15	15	15	15	15
				Other	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	98	98	98	98	98	98	98	98	98
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	RF Type Of Window/Windshield Glazing	GLTYPRF	GLTYP	No contact / No glazing	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No Glazing	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				AS-1 - Laminated	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				AS-2 - Tempered	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				AS-3 - Tempered-Tinted	3	3	3	3	3	3	3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				AS-3 - Tempered-Tinted (original)	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				AS-2 - Tempered with aftermarket tint	*	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				AS-3 - Tempered-Tinted with additional tint	*	*	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				AS-14 - Glass/Plastic	4	4	4	4	4	4	4	6	6	6	6	6	6	6	6	6	6	6	6	*	*	*	*	*	*	*	*	*
				Removed prior to crash	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				AS-2 Laminated	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	11	11	11	11	11	11	11	11	11
				AS-2 Laminated with aftermarket tint	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	12	12	12	12	12	12	12	12	12
				AS-3 Laminated tinted (original)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	13	13	13	13	13	13	13	13	13
				AS-3 Laminated tinted with additional tint	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	14	14	14	14	14	14	14	14	14
				AS-6 Flexplastic	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	15	15	15	15	15	15	15	15	15
				Other	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	98	98	98	98	98	98	98	98	98
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	RR Type Of Window/Windshield Glazing	GLTYPRR	GLTYP	No contact / No glazing	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No Glazing	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				AS-1 - Laminated	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				AS-2 - Tempered	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				AS-3 - Tempered-Tinted	3	3	3	3	3	3	3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				AS-3 - Tempered-Tinted (original)	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				AS-2 - Tempered with aftermarket tint	*	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				AS-3 - Tempered-Tinted with additional tint	*	*	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				AS-14 - Glass/Plastic	4	4	4	4	4	4	4	6	6	6	6	6	6	6	6	6	6	6	6	*	*	*	*	*	*	*	*	*
				Removed prior to crash	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				AS-2 Laminated	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	11	11	11	11	11	11	11	11	11
				AS-2 Laminated with aftermarket tint	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	12	12	12	12	12	12	12	12	12
				AS-3 Laminated tinted (original)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	13	13	13	13	13	13	13	13	13
				AS-3 Laminated tinted with additional tint	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	14	14	14	14	14	14	14	14	14
				AS-6 Flexplastic	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	15	15	15	15	15	15	15	15	15
				Other	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	98	98	98	98	98	98	98	98	98
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	BL Type Of Window/Windshield Glazing	GLTYPBL	GLTYP	No contact / No glazing	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No Glazing	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				AS-1 - Laminated	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				AS-2 - Tempered	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				AS-3 - Tempered-Tinted	3	3	3	3	3	3	3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				AS-3 - Tempered-Tinted (original)	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				AS-2 - Tempered with aftermarket tint	*	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				AS-3 - Tempered-Tinted with additional tint	*	*	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				AS-14 - Glass/Plastic	4	4	4	4	4	4	4	6	6	6	6	6	6	6	6	6	6	6	6	*	*	*	*	*	*	*	*	*
				Removed prior to crash	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				AS-2 Laminated	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	11	11	11	11	11	11	11	11	11
				AS-2 Laminated with aftermarket tint	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	12	12	12	12	12	12	12	12	12
				AS-3 Laminated tinted (original)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	13	13	13	13	13	13	13	13	13
				AS-3 Laminated tinted with additional tint	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	14	14	14	14	14	14	14	14	14
				AS-6 Flexplastic	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	15	15	15	15	15	15	15	15	15

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year
. = blank/missing data

VI DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																											
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
				Other	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	98	98	98	98	98	98	98	98	98
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	Roof Type Of Window/Windshield Glazing	GLTYPRUF	GLTYP	No contact / No glazing	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No Glazing	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				AS-1 - Laminated	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				AS-2 - Tempered	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				AS-3 - Tempered-Tinted	3	3	3	3	3	3	3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				AS-3 - Tempered-Tinted (original)	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				AS-2 - Tempered with aftermarket tint	*	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				AS-3 - Tempered-Tinted with additional tint	*	*	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				AS-14 - Glass/Plastic	4	4	4	4	4	4	4	6	6	6	6	6	6	6	6	6	6	6	6	*	*	*	*	*	*	*	*	*
				Removed prior to crash	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				AS-2 Laminated	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	11	11	11	11	11	11	11	11	11
				AS-2 Laminated with aftermarket tint	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	12	12	12	12	12	12	12	12	12
				AS-3 Laminated tinted (original)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	13	13	13	13	13	13	13	13	13
				AS-3 Laminated tinted with additional tint	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	14	14	14	14	14	14	14	14	14
				AS-6 Flexplastic	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	15	15	15	15	15	15	15	15	15
				Other	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	98	98	98	98	98	98	98	98	98
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	Other Type Of Window/Windshield Glazing	GLTYPOTH	GLTYP	No contact / No glazing	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No Glazing	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				AS-1 - Laminated	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				AS-2 - Tempered	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				AS-3 - Tempered-Tinted	3	3	3	3	3	3	3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				AS-3 - Tempered-Tinted (original)	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				AS-2 - Tempered with aftermarket tint	*	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				AS-3 - Tempered-Tinted with additional tint	*	*	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				AS-14 - Glass/Plastic	4	4	4	4	4	4	4	6	6	6	6	6	6	6	6	6	6	6	6	*	*	*	*	*	*	*	*	*
				Removed prior to crash	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				AS-2 Laminated	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	11	11	11	11	11	11	11	11	11
				AS-2 Laminated with aftermarket tint	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	12	12	12	12	12	12	12	12	12
				AS-3 Laminated tinted (original)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	13	13	13	13	13	13	13	13	13
				AS-3 Laminated tinted with additional tint	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	14	14	14	14	14	14	14	14	14
				AS-6 Flexplastic	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	15	15	15	15	15	15	15	15	15
				Other	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	98	98	98	98	98	98	98	98	98
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	WS Window Precrash Glazing Status	GLPREWS	GLPRE	No Contact/No Glazing	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No Glazing	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Fixed	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Closed	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Partially Opened	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Fully Opened	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Removed Prior	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	LF Window Precrash Glazing Status	GLPRELF	GLPRE	No Contact/No Glazing	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No Glazing	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Fixed	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Closed	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Partially Opened	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Fully Opened	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Removed Prior	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	LR Window Precrash Glazing Status	GLPRELR	GLPRE	No Contact/No Glazing	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No Glazing	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Fixed	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Closed	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Partially Opened	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Fully Opened	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Removed Prior	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	RF Window Precrash Glazing Status	GLPRERF	GLPRE	No Contact/No Glazing	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year
. = blank/missing data

VI DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																											
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
				No Glazing	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Fixed	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Closed	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Partially Opened	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Fully Opened	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Removed Prior	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	RR Window Precrash Glazing Status	GLPRERR	GLPRE	No Contact/No Glazing	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No Glazing	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Fixed	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Closed	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Partially Opened	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Fully Opened	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Removed Prior	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	BL Window Precrash Glazing Status	GLPREBL	GLPRE	No Contact/No Glazing	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No Glazing	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Fixed	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Closed	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Partially Opened	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Fully Opened	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Removed Prior	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	Roof Window Precrash Glazing Status	GLPRERUF	GLPRE	No Contact/No Glazing	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No Glazing	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Fixed	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Closed	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Partially Opened	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Fully Opened	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Removed Prior	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	Other Window Precrash Glazing Status	GLPREOTH	GLPRE	No Contact/No Glazing	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No Glazing	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Fixed	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Closed	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Partially Opened	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Fully Opened	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Removed Prior	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	1-10st Location of Intrusion	INLOC1-10	INLOC	Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Front Left	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
				Front Middle	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
				Front Right	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
				Second Left	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
				Second Middle	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
				Second Right	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				Third Left	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Third Middle	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Third Right	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Fourth Left	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
				Fourth Middle	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
				Fourth Right	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
				Multiple/Other Severe Intrusions	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	88	88	88	88	88	88	88	88	88
				Catastrophic	*	*	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97
				Oth Enclose Area	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
VI	1-10st Intruding Component	INCOMP1-10	INCOMP	Steer Assembly	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Instrument Panel Left	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Instrument Panel Center	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Instrument Panel Right	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Toe Pan	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				A-Pillar	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year
. = blank/missing data

VI DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																											
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
				B-Pillar	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				C-Pillar	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				D-Pillar	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
				Door Panel	10	10	10	10	10	10	10	11	11	11	11	11	11	11	11	11	11	11	11	11	*	*	*	*	*	*	*	*
				Side panel - forward of the A1/A2 pillar	11	27	27	27	27	27	27	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	12	12	12	12	12	12	12
				Rear Side Panel	28	28	28	28	28	28	28	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
				Roof/Convert Top	12	12	12	12	12	12	12	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
				Roof Side Rail	13	13	13	13	13	13	13	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
				Windshield	14	14	14	14	14	14	14	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
				Windshield Header	15	15	15	15	15	15	15	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
				Window Frame	16	16	16	16	16	16	16	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
				Floor Pan	17	17	17	17	17	17	17	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
				Backlight Header	18	18	18	18	18	18	18	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
				Front Seat Back	19	19	19	19	19	19	19	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
				Second Seat Back	20	20	20	20	20	20	20	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
				Third Seat Back	21	21	21	21	21	21	21	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
				Fourth Seat Back	22	22	22	22	22	22	22	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				Fifth Seat Back	23	23	23	23	23	23	23	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Seat Cushion	24	24	24	24	24	24	24	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Back Door/Panel	25	25	25	25	25	25	25	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Other Component	26	26	26	26	26	26	26	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Hood	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Outside Surface	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Other Exterior Object	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Unknown Exterior Object	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Grab Handles	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	34	34	34	34	34	34
				Door/Forward Upper Quadrant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	35	35	35	35	35	35	35	35
				Door/Forward Lower Quadrant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	36	36	36	36	36	36	36	36
				Door/Rear Upper Quadrant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	37	37	37	37	37	37	37	37
				Door/Rear Lower Quadrant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	38	38	38	38	38	38	38	38
				Door/Undetermined Location	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	41	41	41	41	41	41	41	41
				Multiple/Other Severe Intrusions	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	96	96	96	96	96	96	96	96
				Catastrophic	*	*	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97
				Unlist Component	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	1-10st Magnitude of Intrusion	INMAG1-10	INMAG	1-2 inches	1	1	1	1	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				3-5 inches	2	2	2	2	2	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				6-11 inches	3	3	3	3	3	3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				12-17 inches	4	4	4	4	4	4	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				18-23 inches	5	5	5	5	5	5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				24 or more inches	6	6	6	6	6	6	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				3-7 Centimeters	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				8-14 Centimeters	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				15-29 Centimeter	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				30-45 Centimeter	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				46-60 Centimeter	*	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				61 Or More Cm	*	*	*	*	*	*	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Catastrophic	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Multiple/Other Severe Intrusions	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	8	8	8	8	8	8	8	8
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	1-10st Dominant Crush Direction	CDRIR1-10	CDRIR	Vertical	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Longitudinal	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Lateral	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Catastrophic	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Multiple/Other Severe Intrusions	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	8	8	8	8	8	8	8	8
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	Steering Column Type	COLUMTYP	COLUMTYP	Fixed Column	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Tilt Column	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Telescoping Col	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Tilt + Teles Col	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Other Column Type	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year
. = blank/missing data

VI DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																											
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	Steering Column Collapse Due to Occupant Loading	COLMOVE	COLMOVE	VALUE (1-19)	#	#	#	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No movement	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				20 inches or more	20	20	20	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				<1 inch estimated	81	81	81	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				1 inch estimated	82	82	82	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				2-3 inches estimated	83	83	83	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				4-5 inches estimated	84	84	84	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				6-7 inches estimated	85	85	85	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				>7 inches estimated	86	86	86	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Not assessed (PDOF ≠ 11, 12, 1)	*	96	96	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Movement, can't measure	97	97	97	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Non-specified column type	98	98	98	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Unknown	.U	.U	.U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
VI	Direction and Magnitude of Steering Column Movement	COLVERT, COLLAT,		VALUE (±01 - ±49)	#	#	#	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
		COLLONG		No steering column movement	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				50 inches or greater	50	50	50	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				≥ 1 inch but < 3 inches	±81	±81	±81	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				≥ 3 inches but < 6 inches	±82	±82	±82	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				≥ 6 inches but < 12 inches	±83	±83	±83	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				≥ 12 inches	±84	±84	±84	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Not assessed (PDOF ≠ 11, 12, 1)	*	96	96	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Apparent movement > 1 inch	97	97	97	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Unknown	.U	.U	.U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
VI	Steering Rim/Spoke Deformation	RIMDEF	RIMDEF	No Deformation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				VALUE (inches)	#	#	#	#	#	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				6 inches or more	6	6	6	6	6	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				VALUE (centimeters)	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
				15 centimeters or more	*	*	*	*	*	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
				Cannot Measure	8	8	8	8	8	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	Location Steering Rim/Spoke Deformation	RDEFLOC	RDEFLOC	No Deformation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Section A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Section B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Section C	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Section D	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Upper Half	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Lower Half	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Left Half	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Right Half	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Complete Colapse	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
				Undetermined	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	Telescoping Steering Column Adjustment	COLMTELE	COLMTELE	No telescoping column	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Full back	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Between full back and middle	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Midpoint	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Between middle and full forward	*	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Full forward	*	*	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Unknown	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	Tilt Steering Column Adjustment	COLMTILT	COLMTILT	No tilt column	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Full up	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Between full up and center	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Center	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Between center and full down	*	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Full down	*	*	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Unknown	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	Odometer Reading	ODOMETER	ODOMETER	No Odometer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Less than 1,500 miles	1	1	1	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Less Than 150 km	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				VALUE (*1,000) in miles	#	#	#	#	#	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year
. = blank/missing data

VI DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																											
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
				VALUE (*1,000) in kilometers	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
				299,500 miles or more	300	300	300	300	300	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				499,500km or more	*	*	*	*	*	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	Instrument Panel Damage - Occ. Contact	PANELDAM	PANELDAM	Not Collected	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	*	*	*	*	*	*	*
				No	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	*	*	*	*	*
				Yes	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	*	*	*	*	*	*	*
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	2	*	*	*	*	*	*	*
VI	Type Of Knee Bolster Covering	BOLSTYPE	BOLSTYPE	No Knee Bolster	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*
				Padded	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	*	*	*	*	*	*	*	*	*
				Rigid Plastic	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	*	*	*	*	*	*	*	*	*
				Other	*	*	*	*	*	*	*	8	8	8	8	8	8	8	8	8	8	8	8	*	*	*	*	*	*	*	*	*
				Unknown	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	*	*	*	*	*	*	*	*	*
VI	Knee Bolster Deformed - Occupant Contact	BOLSTDEF	BOLSTDEF	No Knee Bolster	8	8	8	8	8	8	8	0	0	0	0	0	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*
				No Deformation	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	*	*	*	*	*	*	*	*	*
				Yes Deformation	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	*	*	*	*	*	*	*	*	*
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	*	*	*	*	*	*	*	*	*
VI	Did Glove Compartment Door Open	GLOVOPEN	GLOVOPEN	No Glove Door	8	8	8	8	8	8	8	0	0	0	0	0	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*
				Door Not Open	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	*	*	*	*	*	*	*	*	*
				Door Opened	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	*	*	*	*	*	*	*	*	*
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	*	*	*	*	*	*	*	*	*
VI	Adaptive (Assistive) Driving Equipment	ADAPTEQ	ADAPTEQ	No Adapt Equip	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Yes Adapt Equip	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Unknown	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
VI	Post Crash Integrity Loss	POSTINT	POSTINT	No/Unknown	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	0
				Yes	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	0

Legend for SAS Codes:
= actual numeric value
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. = blank/missing data

OA DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																											
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
OA	Automatic Belt System Availability/Function	ABELTAVL	ABELTAVL	Not Equipped/Not Available	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	*	*	*	*
				2 Point Belts	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	*	*	*	*	*	*
				3 Point Belts	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	*	*	*	*	*	*
				Unk Type Belts	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	*	*	*	*	*	*
				Belts Destr/Disc	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	*	*	*	*	*	*
				Unknown	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	*	*	*	*	*	*
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	*	*	*	*	*	*
OA	Automatic Belt (Passive) System Use	ABELTUSE	ABELTUSE	Not Equipped/Not Available	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	*	*	*	*
				Belt In Use	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	*	*	*	*	*	*
				Belt Not In Use	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	*	*	*	*	*	*
				Belt Use Unknown	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	*	*	*	*	*	*
				Unknown	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	*	*	*	*	*	*
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	*	*	*	*	*	*
OA	Automatic (Passive) Belt System Type	ABELTYPE	ABELTYPE	Not Equipped/Not Available	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	*	*	*	*
				Non-Motorized	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	*	*	*	*	*	*
				Motorized System	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	*	*	*	*	*	*
				Unknown	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	*	*	*	*	*	*
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	*	*	*	*	*	*
OA	Automatic (Passive) Belt Malfunctions Modes During Crash	ABLTFAIL	ABLTFAIL	Not Used/Avail	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	*	*	*	*
				No Belt Failure	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	*	*	*	*	*	*	*	*
				No Belt Failure	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	1	*	*	*	*	*	*
				Torn Webbing	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	*	*	*	*	*	*
				Brok Bukle/Latch	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	*	*	*	*	*	*
				Up Anchorage Sep	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	*	*	*	*	*	*
				Oth Anchor Sep	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	*	*	*	*	*	*
				Broken Retractor	*	*	*	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	*	*	*	*	*	*
				Combination	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	*	*	*	*	*	*
				Oth Belt Failure	*	*	*	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	*	*	*	*	*	*	*	*	*
				Oth Belt Failure	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	8	8	*	*	*	*	*	*
				Unknown	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	*	*	*	*	*	*
				Structural Fail	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10	10	10	*	*	*	*	*	*
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
OA	Proper Use Of Auto (Passive) Belt System	ABLTPROP	ABLTPROP	Not Equipped/Not Available	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	.	.	.	*	*	*	*	*	*	*	*	*	*
				Used Properly	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	.	.	.	*	*	*	*	*	*	*	*	*	*
				Use Ok W/Ch Seat	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	.	.	.	*	*	*	*	*	*	*	*	*	*
				Shbelt Under Arm	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	.	.	.	*	*	*	*	*	*	*	*	*	*
				Shbelt Behind Bk	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	.	.	.	*	*	*	*	*	*	*	*	*	*
				Around >1 Person	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	.	.	.	*	*	*	*	*	*	*	*	*	*
				Belt On Abdomen	*	*	*	6	6	6	6	6	6	6	6	6	6	6	6	.	.	.	*	*	*	*	*	*	*	*	*	*
				Improp W/Ch Seat	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	.	.	.	*	*	*	*	*	*	*	*	*	*
				Oth Improper Use	*	*	*	8	8	8	8	8	8	8	8	8	8	8	8	.	.	.	*	*	*	*	*	*	*	*	*	*
				Unknown	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.	.	.	*	*	*	*	*	*	*	*	*	*
OA	Age Of Occupant	AGE	AGE	VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
				Less Than One Yr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				97 Years + Over	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97
OA	Automatic (Passive) Restraint System Availability	AUTAVAIL	AUTAVAIL	Not Equipped/Not Available	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Air Bag	1	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Bag Disconnected	2	2	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Bag Not Reinstalled	3	3	3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				2 Point Belts	4	4	4	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				3 Point Belts	5	5	5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Belts Destroyed/Disconnected	6	6	6	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Unknown	.U	.U	.U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
OA	Automatic (Passive) Restraint Function	AUTFNCT	AUTFNCT	Not Equipped/Not Available	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Belt in use	1	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Belt not in use	2	2	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Belt use unknown	3	3	3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Bag deployed	4	4	4	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Bag deployed inadvertently	5	5	5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Bag deloyed, undetermined sequence	6	6	6	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year
. = blank/missing data

OA DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																										
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
				Non-deployed	7	7	7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Unknown if deployed	8	8	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Unknown	.U	.U	.U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
OA	Automatic (Passive) Restraint Failure	AUTFAIL	AUTFAIL	Not Equipped/Not Available	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				No	1	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Yes	2	2	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Unknown	.U	.U	.U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
OA	Air Bag System Availability	BAGAVAIL	BAGAVAIL	Not Equip/Avail	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Airbag	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Air bag disconnected	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Air bag not reinstalled	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Unknown	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Other Frontal Air Bag Availability/Function	BAGAVOTH	BAGAVOTH	Not Equip/Avail	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Airbag	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Bag Disconnected	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Bag Not Reinstalled	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Unknown	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Police Reported Airbag Availability/Function	BAGAVRPT	BAGAVRPT	None Available	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Not Indicated	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	*	*	*	*	*	*
				Deployed	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Not Deployed	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Unk If Deployed	*	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Not Reported	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	7	7	7	7	7	7
				Unknown	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
OA	CDC For Air Bag Deployment Impact	BAGCDC	BAGCDC	Not Equip/Avail	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Highest Delta V	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				2nd High Delta V	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Other Delta V	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Deploy/Unk Event	*	*	*	*	*	*	*	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Not Deployed	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Unk If Deployed	*	*	*	*	*	*	*	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Air Bag Contacted By Another Occupant	BAGCONOT	BAGCONOT	Not Equip/Avail	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*
				No	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	*	*	*	*	*	*	*	*	*
				Yes	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	*	*	*	*	*	*	*	*	*
				Deploy/Unk Contk	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	*	*	*	*	*	*	*	*	*
				Not Deployed	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	*	*	*	*	*	*	*	*	*
				Unk If Deployed	*	*	*	*	*	*	*	8	8	8	8	8	8	8	8	8	8	8	8	*	*	*	*	*	*	*	*	*
				Unknown	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	*	*	*	*	*	*	*	*	*
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Was There Damage To The Air Bag	BAGDAMAG	BAGDAMAG	Not Equip/Avail	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Not Damaged	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Ruptured	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Cut	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Torn	*	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Holed	*	*	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Burned	*	*	*	*	*	*	*	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Abraded	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Unknown	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Other Damage	*	*	*	*	*	*	*	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
				Damaged Det Unk	*	*	*	*	*	*	*	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95
				Deploy/Unk Dam	*	*	*	*	*	*	*	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96
				Not Deployed	*	*	*	*	*	*	*	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97
				Unk If Deployed	*	*	*	*	*	*	*	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Source Of Air Bag Damage	BAGDAMSO	BAGDAMSO	Not Equip/Avail	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Not Damaged	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Obj Worn By Occ	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Legend for SAS Codes:
= actual numeric value
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. = blank/missing data

OA DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																											
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
				Obj Carry By Occ	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Adapt/Assist Ctl	*	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Fire In Vehicle	*	*	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Thermal Burns	*	*	*	*	*	*	*	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Rescue/Emer Efrt	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	*	*	*	*	*	*	*	*
				Unknown	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Oth Damage Sou	*	*	*	*	*	*	*	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
				Post Crash Damage	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	94	94	94	94	94	94	94
				Damaged Unk Sou	*	*	*	*	*	*	*	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95
				Deploy/Unk Dam	*	*	*	*	*	*	*	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96
				Not Deployed	*	*	*	*	*	*	*	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97
				Unk If Deployed	*	*	*	*	*	*	*	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Air Bag System Deployed	BAGDEPLY	BAGDEPLY	Not Equip/Avail	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Bag Deployed	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Bag Deploy-Inadvertently prior to impact	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Bag Deploy-Accident Sequence Undetermined	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Nondeployed	*	*	*	4	4	4	4	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Unk If Deployed	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Bag Deploy-Noncollision event	*	*	*	*	6	6	6	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Unknown	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Other Air Bag System Deployment	BAGDEPOT	BAGDEPLY	Not Equip/Avail	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Bag Deployed	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Bag Deply Inadv	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Bag Deploy Undet	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Bag Deploy-Nocol	*	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Unk If Deployed	*	*	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Nondeployed	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Unknown	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Air Bag Deployment Accident Event Sequence Number	BAGEVENT	BAGEVENT	Not Equip/Avail	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Unknown	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Deploy/Unk Event	*	*	*	*	*	*	*	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96
				Not Deployed	*	*	*	*	*	*	*	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97
				Unk If Deployed	*	*	*	*	*	*	*	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Air Bag System Failure	BAGFAIL	BAGFAIL	Not Equip/Avail	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				No Failure	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Yes Failure	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Unknown	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Were Air Bag Module Cover Flaps Damaged	BAGFLDAM	BAGFLDAM	Not Equip/Avail	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				No	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Yes	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Deploy/Unk Fldam	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Not Deployed	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Unk If Deployed	*	*	*	*	*	*	*	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Did Air Bag Module Cover Flaps Open At Desg Tear Pts	BAGFLOPN	BAGFLOPN	Not Equip/Avail	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				No	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Yes	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Deploy/Unk Flopn	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Not Deployed	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Unk If Deployed	*	*	*	*	*	*	*	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Prior Maintenance/Service On Air Bag	BAGMAINT	BAGMAINT	Not Equip/Avail	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				No Prior Maint	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Yes Prior Maint	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year
. = blank/missing data

OA DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																											
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
				Unknown	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Was The Air Bag Tethered	BAGTETHR	BAGTETHR	Not Equip/Avail	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*
				No	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	*	*	*	*	*	*	*	*	*	*
				Yes	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	*	*	*	*	*	*	*	*	*	*
				Deploy/Unk Tethr	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	*	*	*	*	*	*	*	*	*	*
				Not Deployed	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	*	*	*	*	*	*	*	*	*	*
				Unk If Deployed	*	*	*	*	*	*	*	8	8	8	8	8	8	8	8	8	8	8	*	*	*	*	*	*	*	*	*	*
				Unknown	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	*	*	*	*	*	*	*	*	*	*
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Type of Air Bag	BAGTYPE	BAGTYPE	Not Equip/Avail	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Original Air Bag	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Retrofit Air Bag	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Replaced Air Bag	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Unk Type Air Bag	*	*	*	*	*	*	*	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Did The Airbag Have Vent Ports	BAGVENTS	BAGVENTS	Not Equip/Avail	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*
				No	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	*	*	*	*	*	*	*	*	*	*
				Yes	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	*	*	*	*	*	*	*	*	*	*
				Deploy/Unk Vents	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	*	*	*	*	*	*	*	*	*	*
				Not Deployed	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	*	*	*	*	*	*	*	*	*	*
				Unk If Deployed	*	*	*	*	*	*	*	8	8	8	8	8	8	8	8	8	8	8	*	*	*	*	*	*	*	*	*	*
				Unknown	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	*	*	*	*	*	*	*	*	*	*
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Shoulder Belt Upper Anchorage Adjustment	BELTANCH	BELTANCH	No Shoulder Belt	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				No Upper Anchor	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Full Up	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Mid Position	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Full Down	*	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Position Unk	*	*	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Unknown	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Primary Source Of Belt Use Determination	BELTSOU	BELTSOU	Not Equip/Avail	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Vehicle Inspect	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Off Injury Data	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Dr/Occ Interview	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Other	*	*	*	*	*	*	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unk If Belt Used	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Arterial Blood Gases (ABG) HC03	BICARB	BICARB	Not Injured	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Inj-Abg Not Meas	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Unk If Injured	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Abg Rpt-Hco Unk	*	*	*	*	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96
				Injured-Det Unk	*	*	*	*	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Was The Occupant Given Blood?	BLOOD	BLOOD	No	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Yes	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Unknown	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Case Number - Stratum	CASEID		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
OA	Case Sequence Number	CASENO		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
OA	Medically Reported Cause Of Death	CAUSE1, CAUSE2,	CAUSE	Not Fatal/No Add	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		CAUSE3		VALUE (Injury Number)	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
				No Specific Inj	*	*	*	*	*	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96
				Other Result	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
OA	Child Safety Seat Harness Usage	CHHARNES	CHHARNES	No child safety seat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Not designed w/harness, after market H added, not u	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Not designed w/harness, after market H added, used	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year
. = blank/missing data

OA DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																											
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
				Not designed w/harness, CSS used, but no after mark	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Not designed w/harness, unk. if H added or used	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
				Designed w/harness, H not used	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
				Designed w/harness, H used	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
				Designed w/harness, unk. If H used	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
				Unk if designed w/harness, H not used	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
				Unk if designed w/harness, H used	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
				Unk if designed w/harness, unk. if H used	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Unknown if child safety seat used	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Child Safety Seat Make/Model	CHMAKE	CHMAKE	VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
				Built-in Child Safety Seat	*	*	*	*	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950
				Unknown Make, Unknown Model	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998
				Unknown if child safety seat used	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Child Safety Seat Orientation	CHORIENT	CHORIENT	No child safety seat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Rear facing design, rear facing	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Rear facing design, forward facing	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Rear facing design, other orientation	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Rear facing design, unknown orientation	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
				Forward facing design, rear facing	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
				Forward facing design, forward facing	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
				Forward facing design, other orientation	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
				Forward facing design, unknown orientation	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
				Unknown design, rear facing	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
				Unknown design, forward facing	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
				Unknown design, other orientation	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Unknown design, unknown orientation	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Unknown if child safety seat used	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Child Safety Seat Shield Usage	CHSHIELD	CHSHIELD	No child safety seat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Not designed w/shield, after market S added, not use	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Not designed w/shield, after market S added, used	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Not designed w/shield, CSS used, but no after market	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Not designed w/shield, unk. if S added or used	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
				Designed w/shield, S not used	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
				Designed w/shield, S used	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
				Designed w/shield, unk. if S used	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
				Unk if designed w/shield, S not used	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
				Unk if designed w/shield, S used	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
				Unk if designed w/shield, unk. if S used	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Unknown if child safety seat used	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Child Safety Seat Tether Usage	CHTETHER	CHTETHER	No child safety seat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Not designed w/tether, after market T added, not use	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Not designed w/tether, after market T added, used	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Not designed w/tether, CSS used, but no after market	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Not designed w/tether, unk. if T added or used	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
				Designed w/tether, T not used	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
				Designed w/tether, T used	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
				Designed w/tether, unk. if T used	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
				Unk if designed w/tether, T not used	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
				Unk if designed w/tether, T used	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
				Unk if designed w/tether, unk. if T used	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Unknown if child safety seat used	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Type of Child Safety Seat	CHTYPE	CHTYPE	None	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Infant Seat	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Toddler Seat	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Convertible	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Booster with shield	*	*	*	*	*	*	*	4	4	*	*	*	*	*	*	*	*	*	*	*	4	4	4	4	4	4	4	4

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year
. = blank/missing data

OA DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																										
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
				Booster without shield	*	*	*	*	*	*	*	5	5	*	*	*	*	*	*	*	*	*	*	*	5	5	5	5	5	5	5	5
				Booster	4	4	4	4	4	4	4	*	*	4	4	4	4	4	4	4	4	4	4	4	*	*	*	*	*	*	*	*
				Other Seat	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Unknown Type	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown If Used	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Child Seat Used	CHUSED	CHUSED	No	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	0
				Yes	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	1	1	1	1	1	1
				Unknown	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U
OA	How Child Seat Used	CHOWUSED	CHOWUSED	No child safety seat	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0
				Infant Seat (ISS)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	1	1	1	1
				Forward Facing (FSS)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2	2	2	2	2
				Booster seat (BSS)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3	3	3	3	3
				Integrated seat (INT)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	4	4	4	4	4
				Harness (HSS)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	5	5	5	5	5
				Vest (VSS)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	6	6	6	6	6
				Special needs (SNSS)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	7	7	7	7	7
				Other	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	98	98	98	98	98
				Unknown	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.U	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.
OA	Time To Death	DEATH		Not fatal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
				Fatal - ruled disease	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Longitudinal Component Of Delta V For Air Bag	DVBAG		Not Equip/Avail	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				VALUE	*	*	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
				Deployed, Unknown Delta V	*	*	*	*	*	*	*	996	996	996	996	996	996	996	996	996	996	996	996	996	996	996	996	996	996	996	996	996	996
				Not Deployed	*	*	*	*	*	*	*	997	997	997	997	997	997	997	997	997	997	997	997	997	997	997	997	997	997	997	997	997
				Unk If Deployed	*	*	*	*	*	*	*	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998
				Unknown	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Ejection Area	EJCTAREA	EJCTAREA	No Ejection	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Windshield	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Left Front	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Right Front	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Left Rear	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Right Rear	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Rear	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Roof	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Other Area	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Ejection Medium	EJCTMED	EJCTMED	No Ejection	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Dr/Htch/Tailgate	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Nonfixed Roof	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Fixed Glazing	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Nonfixed Glazing	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Integral Struct	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Other Medium	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Ejection	EJECTION	EJECTION	No Ejection	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Complete Eject	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Partial Ejection	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Ejection Unk Deg	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Entrapment	ENTRAP	ENTRAP	Not Entrapped	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Entrapped	1	1	1	1	1	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Entrapped/Pinned - mechanically restrained	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year
. = blank/missing data

OA DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																											
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
				Jammed Door/Fire	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Could not exit due to external circumstances	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Was The Occupant Wearing Eye-Wear	EYEWEAR	EYEWEAR	Not Equip/Avail	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				No	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Eye/Sun Glasses	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Contact Lenses	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Deploy/Unk Eyew	*	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Not Deployed	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Unk If Deployed	*	*	*	*	*	*	*	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
OA	Fetal Mortality	FETALDOA	FETALDOA	Yes	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1
				No Or Unknown	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2
				Not Applicable	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	8	8	8	8	8	8	8	8
OA	Glasgow Coma Scale (GCS) Score	GLASGOW	GLASGOW	Not Injured	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Injured-No Treat	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				No Gcs Score	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Unk If Injured	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Injured-Det Unk	*	*	*	*	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Head Restraint Type/Damage By Occupant	HEADREST	HEADREST	None	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Integ/No Damage	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Integral/Damaged	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Adjust/No Damage	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Adjust/Damaged	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Add-On/No Damage	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Add-On/Damaged	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Other	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Height Of Occupant	HEIGHT	HEIGHT	VALUE (inches)	#	#	#	#	#	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				85 inches and over	85	85	85	85	85	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				VALUE (centimeters)	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
				219.5 centimeters and over	*	*	*	*	*	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
OA	Hospital Stay	HOSPSTAY	HOSPSTAY	Not Hospitalized	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
				61 Days Or More	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Number Recorded Injuries This Occupant (AIS98 Format)	INJNUM	INJNUM	No Rec Injuries	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
				Unknown If Inj	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Injured Det Unk	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Number Recorded Injuries This Occupant (AIS08 Format)	INJNUM08	INJNUM08	No Rec Injuries	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	0
				VALUE	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	#	#	#	#	#	#	#
				Unknown If Inj	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U
				Injured Det Unk	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	97	97	97	97	97	97
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Injury Severity (Police Rating)	INJSEV	INJSEV	O No Injury	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				C Possible Inj	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				B Nonincapac	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				A Incapacitating	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				K Killed	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				U Severity Unk	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Died Prior	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
OA	Injury Severity Score (AIS98 Format)	ISS		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year
. = blank/missing data

OA DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																											
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
OA	Injury Severity Score (AIS08 Format)	ISS08		VALUE	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	#	#	#	#	#	#
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.
OA	Child Restraint LATCH Presence	LATCHDES		No Child safety seat / No LATCH Available	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0
				LATCH Available	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	1	1	1
				Unknown	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.
OA	Child Restraint LATCH Anchor Hook Use	LATCHUSE		No Child safety seat / No LATCH Available	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0
				Lower Anchor Used	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	1	1	1
				Lower Anchor Not Used	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3	3	3	3
				Unknown if LATCH Used	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.
OA	Maximum Known Occupant AIS (AIS98 FORMAT)	MAIS	AIS	Not Injured	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Minor Injury	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Moderate Injury	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Serious Injury	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Severe Injury	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Critical Injury	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Maximum Injury	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Injured, Unk Sev	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Unk If Injured	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Maximum Known Occupant AIS (AIS08 FORMAT)	MAIS08	AIS	Not Injured	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0
				Minor Injury	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	1	1	1	1	1
				Moderate Injury	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2	2	2	2	2	2
				Serious Injury	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3	3	3	3	3	3
				Severe Injury	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	4	4	4	4	4	4
				Critical Injury	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	5	5	5	5	5	5
				Maximum Injury	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	6	6	6	6	6	6
				Injured, Unk Sev	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	7	7	7	7	7	7
				Unk If Injured	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.
OA	Manual Belt System Availability	MANAVAIL	MANAVAIL	Not Available	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Remove/Destroyed	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Shoulder Belt	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Lap Belt	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Lap And Shoulder	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Type Unknown	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Shbelt/Lap Destr	*	*	*	*	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Lap Belt/Sh Destr	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Other Belt	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Manual Belt Malfunction Modes During Accident	MANFAIL	MANFAIL	Not Used/Avail	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				No Failure	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Manual Belt Failure(s)	2	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Torn Webbing	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Brok Bukle/Latch	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Up Anchorage Sep	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Oth Anchor Separ	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Broken Retractor	*	*	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Combination	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Other Failure	*	*	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	*	*	*	*	*	*	*	*
				Other Failure	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	8	8	8	8	8	8	8	8
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Proper Use of Manual Belts	MANPROPR	MANPROPR	None Used/Avail	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.	.	.	*	*	*	*	*	*	*	*	*	*
				Used Properly	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	.	.	.	*	*	*	*	*	*	*	*	*	*
				Use OK W/Ch Seat	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	.	.	.	*	*	*	*	*	*	*	*	*	*
				Shbelt Under Arm	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	.	.	.	*	*	*	*	*	*	*	*	*	*
				Shbelt Behind St	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	.	.	.	*	*	*	*	*	*	*	*	*	*
				Around>1 Person	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	.	.	.	*	*	*	*	*	*	*	*	*	*

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year
. = blank/missing data

OA DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																											
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
				Belt On Abdomen	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	.	.	.	*	*	*	*	*	*	*	*	*	*
				Improp W/Ch Seat	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	.	.	.	*	*	*	*	*	*	*	*	*	*
				Oth Improper Use	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	.	.	.	*	*	*	*	*	*	*	*	*	*
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.	.	.	*	*	*	*	*	*	*	*	*	*
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Manual Belt System Use	MANUSE	MANUSE	None Used/Avail	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Inoperative	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Shoulder Belt	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Lap Belt	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Lap And Shoulder	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Type Unknown	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Other Belt	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Shlder W/Ch Seat	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
				Lap W/Ch Seat	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
				Lap+sh W/Ch Seat	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
				W/Ch Seat-Tp Unk	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
				W/Ch Seat-Other	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
				Unknown If Used	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Type Medical Facility Initial Treatment	MEDFACIL	MEDFACIL	Not Med Facility	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Trauma Center	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Hospital	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Medical Clinic	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Physician Office	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Later At Facility	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Other	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Medium Status (Prior To Impact)	MEDSTA	MEDSTA	No Ejection	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Open	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Closed	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Integral Struct	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Occupant Mobility	OCCMOBIL	OCCMOBIL	Occupant Fatal	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Removed Unconscious	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Removed Injured	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Exited W/ Assist	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Exited Own Power	*	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Fully Ejected	*	*	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Removed from vehicle for other reasons	*	*	*	*	*	*	*	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Occupant Race	OCCRACE	OCCRACE	White	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	1	1	1	1	1	1
				Black	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2	2	2	2	2	2	2
				Asian	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3	3	3	3	3	3	3
				Native Hawaiian or other Pacific Islander	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	4	4	4	4	4	4	4
				American Native or Alaskan Native	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	5	5	5	5	5	5	5
				Other	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	7	7	7	7	7	7	7
				No driver present	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	8	8	8	8	8	8	8
				Unknown	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U
OA	Occupant Number	OCCNO		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
OA	Occupant Ethnicity	OCETHNIC	OCETHNIC	Hispanic or Latino	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	1	1	1	1	1	1
				Not Hispanic or Latino	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2	2	2	2	2	2	2
				No driver present	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	8	8	8	8	8	8	8
				Unknown	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U
OA	Police Reported Restraint Use	PARUSE	PARUSE	None Used	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Not Indicated	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	*	*	*	*	*	*
				Shoulder Belt	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Lap Belt	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Lap/Shoulder	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year
. = blank/missing data

OA DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																											
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
				Belt Used-Type Unknown	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Child Seat	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Other or Automatic Belt	7	7	7	7	7	7	7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Automatic Belt	*	*	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Restrained, Type Unknown	8	8	8	8	8	8	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Other Type Belt	*	*	*	*	*	*	*	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Not Reported	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10	10	10	10	10	10
				Unknown If Used	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
OA	Seat Belt Positioning Device Presence	POSGUIDE	POSGUIDE	Not Applicable	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0
				Yes	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	1	1	1
				No	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2	2	2	2
				Unknown	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.
OA	Occupant's Posture	POSTURE	POSTURE	Normal Posture	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Abnormal posture	1	1	1	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Kneeling On Seat	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Lying On Seat	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Kneel/Fr Of Seat	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Sitting Sideways	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Sit On Console	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Lying-Seat Back	*	*	*	*	*	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Bracing W/Feet	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Other Abnormal Posture	*	*	*	*	*	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Positioning Device Presence	POSPRES	POSPRES	None present	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0
				Safety belt guides	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	16	16	16	16
				Shoulder belt adjusters	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	17	17	17	17
				Belt extenders	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	18	18	18	18
				Other	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	98	98	98	98
				Unknown if present	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.
OA	Position Device Use	POSUSE	POSUSE	Device not used	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	1	1	1
				Device used	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2	2	2	2
				None present	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3	3	3	3
				Unknown if device used	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.
OA	Had Vehicle Been In Previous Accidents	PREVACC	PREVACC	Not Equip/Avail	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0
				No Previous Acc	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Prevacc W/O Depl	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				1 Prevacc W/ Dep	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				>1 Prevac W/ Dep	*	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Prevacc Unk Depl	*	*	*	*	*	*	*	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Primary Sampling Unit Number	PSU		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
OA	Ratio Inflation Factor	RATWGT		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
OA	Occupant's Role	ROLE	ROLE	Driver	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Passenger	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
OA	Rollover Protection	ROLLPROT	ROLLPROT	No/Unknown	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	0
				Yes	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	1	1	1	1	1	1
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Seat Performance (This Position)	SEATPERF	SEATPERF	Not Seated/No Seat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				No Failure	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Seat Performance Failure(s)	2	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Adjusters Failed	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Fold Lock Fail	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Trak/Anchor Fail	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Deformed By Occ	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Deformed By Intr	*	*	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year
. = blank/missing data

OA DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																											
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
				Combination	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Other	*	*	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	*	*	*	*	*	*	*	*	*
				Deformed By Cargo	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10	10	10	10	10	10	10	10	10
				Def By Oth Occ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	11	11	11	11	11	11	11	11	11
				Other	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	98	98	98	98	98	98	98	98	98
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Occupant's Seat Position	SEATPOS	SEATPOS	Front Left Side	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
				Front Middle	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
				Front Right Side	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
				Front Other	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
				Front On/In Lap	*	*	*	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
				Front Row, Unknown Seat	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	19	19	19	19	19	19	19
				Second Left	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
				Second Middle	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
				Second Right	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				Second Other	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Second On/In Lap	*	*	*	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Second Row, Unknown Seat	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	29	29	29	29	29	29	29
				Third Left	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Third Middle	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Third Right	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Third Other	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Third On/In Lap	*	*	*	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Third Row, Unknown Seat	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	39	39	39	39	39	39	39
				Fourth Left	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
				Fourth Middle	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
				Fourth Right	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
				Fourth Other	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
				Fourth On/In Lap	*	*	*	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
				Fourth Row, Unknown Seat	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	49	49	49	49	49	49	49
				Fifth Left	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	51	51	51	51	51	51	51
				Fifth Middle	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	52	52	52	52	52	52	52
				Fifth Right	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	53	53	53	53	53	53	53
				Fifth Other	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	54	54	54	54	54	54	54
				Fifth On/In Lap	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	55	55	55	55	55	55	55
				Fifth Row, Unknown Seat	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	59	59	59	59	59	59	59
				Unenclosed Area	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97
				Other Seat	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	*	*	*	*
OA	Seat Track Adjusted Position Prior To Impact	SEATRACK	SEATRACK	Not Seated/No St	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Not Adjustable	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Forward Most Pos	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Bet Fwd&mid Pos	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Middle Position	*	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Bet Mid&rear Pos	*	*	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Rear Most Pos	*	*	*	*	*	*	*	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Unknown	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Seat Type (This Occupant Position)	SEATTYPE	SEATTYPE	Not Seated/No Seat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Bucket	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Bucket/Fold Back	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Bench	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Bench with Separate Back Cushions	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Bench with Folding Back	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Split Bench with Separate Back Cushions	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Split Bench with Folding Back	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Pedestal	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Box Mounted	*	*	*	*	10	10	10	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
				Other	9	9	9	9	9	9	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year
. = blank/missing data

OA DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																											
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
				Stowed/Removed	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	11	11	11	11	11
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Occupant's Sex	SEX	SEX	Male	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Female	2	2	2	2	2	2	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Female-Not Preg	*	*	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Fem-Preg 1st Tri	*	*	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Fem-Preg 2nd Tri	*	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Fem-Preg 3rd Tri	*	*	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Fem-Preg Unkterm	*	*	*	*	*	*	*	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
OA	Seat Back Incline Prior And Post Impact	STBACINC	STBACINC	Not Seated/No Seat	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Not Adjustable	*	*	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Unknown	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Up/Tot Rear Pos	*	*	*	*	*	*	*	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
				Up/Rear Mid Pos	*	*	*	*	*	*	*	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
				Up/Part Rear Po	*	*	*	*	*	*	*	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
				Up/Pre-Imp Pos	*	*	*	*	*	*	*	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
				Up/Part Fwd Pos	*	*	*	*	*	*	*	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
				Up/Fwd Mid Pos	*	*	*	*	*	*	*	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
				Up/Tot Fwd Pos	*	*	*	*	*	*	*	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
				Partrec/Tot Rear	*	*	*	*	*	*	*	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
				Partrec/Rear Mid	*	*	*	*	*	*	*	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
				Partrec/Pre-Imp	*	*	*	*	*	*	*	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				Partrec/Tot Up	*	*	*	*	*	*	*	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Partrec/Part Fwd	*	*	*	*	*	*	*	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Partrec/Fwd Mid	*	*	*	*	*	*	*	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Partrec/Tot Fwd	*	*	*	*	*	*	*	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Totrec/Pre-Imp	*	*	*	*	*	*	*	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Totrec/Rear Mid	*	*	*	*	*	*	*	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Totrec/Part Rear	*	*	*	*	*	*	*	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Totrec/Tot Up	*	*	*	*	*	*	*	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Totrec/Part Fwd	*	*	*	*	*	*	*	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Totrec/Fwd Mid	*	*	*	*	*	*	*	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Totrec/Tot Fwd	*	*	*	*	*	*	*	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Seat Orientation (This Occupant Pos.)	STORIENT	STORIENT	Not Seated/No St	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Fwd Facing Seat	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Rear Facing Seat	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Side Fac St-In	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Side Fac St-Out	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Other	*	*	*	*	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unknown	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Case Stratum	STRATIF		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
OA	Treatment - Mortality	TREATMNT	TREATMNT	No Treatment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Fatal	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Fatal-Ruled Disease	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Hospitalized	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Transported and released	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Treated at scene, not transported	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Treatment-Later	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Treatment-Other	8	8	8	8	8	8	8	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Transported, unknown if treated	*	*	*	*	*	*	*	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Not Collected	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Vehicle Number	VEHNO		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
OA	Version Number	VERSION		VALUE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	20	22	23	24	25	26	27	28
OA	Occupant's Weight	WEIGHT	WEIGHT	VALUE (lbs)	#	#	#	#	#	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				300 lbs and over	300	300	300	300	300	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year
. = blank/missing data

OA DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																											
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
				VALUE (kgs)	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
				149.5kg and over	*	*	*	*	*	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
OA	Working Days Lost	WORKDAYS	WORKDAYS	No Work Day Lost	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				VALUE (0-60)	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
				61 Days Or More	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
				Fatally Injured	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
				Not Working Pr	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.	.
OA	Integrated Restraints	INTGREST	INTGREST	No	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0
				Yes	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	1	1	1	1	1
				Unknown if integrated	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.U	.U	.U	.U	.U	.U
				Not collected for this occupant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	.

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year
. = blank/missing data

OI DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																											
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
OI	Primary Sampling Unit Number	PSU		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
OI	Case Sequence Number	CASENO		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
OI	Case Stratum	STRATIF		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
OI	Case Number - Stratum	CASEID		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
OI	Ratio Inflation Factor	RATWGT		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
OI	Version Number	VERSION		VALUE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	20	22	23	24	25	26	27	28
OI	Vehicle Number	VEHNO		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
OI	Occupant Number	OCCNO		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
OI	Injury Number	INJNO		VALUE	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
OI	Source Of Injury Data	SOUDAT	SOUDAT	Autopsy Records	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	*	*	*	*	*	*	*	*	*
				Hosp/Med Records	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Emerg Rm Records	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Priv Phys/Clinic	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Lay Coroner Rept	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				E.M.S. Personnel	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Interviewee	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Other Source	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Police	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
				Internal Autopsy	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	16	16	16	16	16	16	16	16	16
				External Autopsy	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	17	17	17	17	17	17	17	17	17
OI	Body Region (O.I.C. - A.I.S.)	BODYREG	$BDYREGN	Arm	A	A	A	A	A	*	*	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
				Back	B	B	B	B	B	*	*	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
				Chest	C	C	C	C	C	*	*	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
				Elbow	E	E	E	E	E	*	*	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
				Face	F	F	F	F	F	*	*	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F
				Head	H	H	H	H	H	*	*	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
				Knee	K	K	K	K	K	*	*	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
				Leg/Lower	L	L	L	L	L	*	*	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
				Abdomen	M	M	M	M	M	*	*	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
				Neck	N	N	N	N	N	*	*	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
				Pelvic/Hip	P	P	P	P	P	*	*	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
				Ankle/Foot	Q	Q	Q	Q	Q	*	*	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
				Forearm	R	R	R	R	R	*	*	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
				Shoulder	S	S	S	S	S	*	*	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
				Thigh	T	T	T	T	T	*	*	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
				Injured/Unk Reg	U	U	U	U	U	*	*	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
				Wrist/Hand	W	W	W	W	W	*	*	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
				Upper Limbs	X	X	X	X	X	*	*	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
				Lower Limbs	Y	Y	Y	Y	Y	*	*	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
				Not applicable to OIC	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*						
OI	Aspect	ASPECT	ASPECT	Whole Region	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Right	1	1	1	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Left	2	2	2	2	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Bilateral	3	3	3	3	3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Central	4	4	4	4	4	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Anterior	5	5	5	5	5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Posterior	6	6	6	6	6	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Superior	7	7	7	7	7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Inferior	8	8	8	8	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Unknown	.U	.U	.U	.U	.U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
OI	Lesion (A.I.S. - O.I.C.)	LESION	$LESION	Abrasion	A	A	A	A	A	*	*	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
				Burn	B	B	B	B	B	*	*	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
				Contusion	C	C	C	C	C	*	*	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
				Dislocation	D	D	D	D	D	*	*	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
				Total Severance	E	E	E	E	E	*	*	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
				Fracture	F	F	F	F	F	*	*	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F
				Detachment	G	G	G	G	G	*	*	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
				Concussion	K	K	K	K	K	*	*	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
				Laceration	L	L	L	L	L	*	*	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
				Amputation	M	M	M	M	M	*	*	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
				Crush	N	N	N	N	N	*	*	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year
. = blank/missing data

OI DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																											
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
				Other	O	O	O	O	O	*	*	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
				Rupture	R	R	R	R	R	*	*	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
				Sprain	S	S	S	S	S	*	*	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
				Strain	T	T	T	T	T	*	*	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
				Injured/Unk Les	U	U	U	U	U	*	*	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
				Avulsion	V	V	V	V	V	*	*	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
				Not applicable to OIC	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*						
OI	System/Organ (O.I.C. - A.I.S.)	SYSORG	$SYSORG	Arteries/Veins	A	A	A	A	A	*	*	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
				Brain	B	B	B	B	B	*	*	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
				Spinal Cord	C	C	C	C	C	*	*	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
				Digestive	D	D	D	D	D	*	*	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
				Ears	E	E	E	E	E	*	*	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
				Urogenital	G	G	G	G	G	*	*	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
				Heart	H	H	H	H	H	*	*	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
				Integumentary	I	I	I	I	I	*	*	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
				Joints	J	J	J	J	J	*	*	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J
				Kidneys	K	K	K	K	K	*	*	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
				Liver	L	L	L	L	L	*	*	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
				Muscles	M	M	M	M	M	*	*	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
				Nervous System	N	N	N	N	N	*	*	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
				Eye	O	O	O	O	O	*	*	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
				Pulmonary-Lungs	P	P	P	P	P	*	*	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
				Spleen	Q	Q	Q	Q	Q	*	*	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
				Respiratory	R	R	R	R	R	*	*	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
				Skeletal	S	S	S	S	S	*	*	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
				Thyroid	T	T	T	T	T	*	*	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
				Injured/Unk Sys	U	U	U	U	U	*	*	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
				Vertebrae	V	V	V	V	V	*	*	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
				All sys In Region	W	W	W	W	W	*	*	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
				Not applicable to OIC	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*						
OI	A.I.S. Severity	AIS	AIS	Minor Injury	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Moderate Injury	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Serious Injury	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Severe Injury	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Critical Injury	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Maximum Injury	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Injured, Unk Sev	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Not AIS98 applicable	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.A	.A	.A	.A	.A	.A
OI	A.I.S. Severity (AIS08 Format)	AIS08	AIS	Minor Injury	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	1	1	1	1	1
				Moderate Injury	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2	2	2	2	2	2
				Serious Injury	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3	3	3	3	3	3
				Severe Injury	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	4	4	4	4	4	4
				Critical Injury	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	5	5	5	5	5	5
				Maximum Injury	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	6	6	6	6	6	6
				Injured, Unk Sev	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	9	9	9	9	9	9
OI	Injury Source	INJSOU	INJSOU	Windshield	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Mirror	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Sunvisor	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Steering Rim	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Steering Hub	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Steering Comb	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Steering Column	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Cell phone/CB radio	*	*	*	*	*	*	*	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Add-on Equipment	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
				Left Instrument Panel	9	9	9	9	9	9	9	10	10	10	10	10	10	10	10	10	10	10	*	*	*	*	*	*	*	*	*	*
				Center Instrument Panel	10	10	10	10	10	10	10	11	11	11	11	11	11	11	11	11	11	11	*	*	*	*	*	*	*	*	*	*
				Right Instrument Panel	11	11	11	11	11	11	11	12	12	12	12	12	12	12	12	12	12	12	*	*	*	*	*	*	*	*	*	*
				Glove Door	12	12	12	12	12	12	12	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
				Knee Bolster	13	13	13	13	13	13	13	14	14	14	14	14	14	14	14	14	14	14	*	*	*	*	*	*	*	*	*	*
				Windshield, driver's side	14	14	14	14	14	14	14	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
				Windshield, passenger's side	15	15	15	15	15	15	15	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year
. = blank/missing data

OI DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																											
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
				Driver side air bag compartment cover	*	*	*	*	*	16	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Passenger side air bag compartment cover	*	*	*	*	*	17	17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Windshield reinforced by exterior object	*	*	*	*	*	18	18	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
				Other front object	16	16	16	16	16	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
				Sunvisor/Ft Hdr	*	*	*	*	*	*	*	*	*	*	*	*	*	*	20	20	20	20	20	20	20	20	20	20	20	20	20	20
				Left Instrument Panel	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	21	21	21	21	21	21	21	21	21
				Center Instrument Panel	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	22	22	22	22	22	22	22	22	22
				Right Instrument Panel	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	23	23	23	23	23	23	23	23	23
				Left lower Instrument Panel incl bolster	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	24	24	24	24	24	24	24	24	24
				Center lower Instrument Panel incl bolster	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	25	25	25	25	25	25	25	25	25
				Right lower Instrument Panel incl bolster	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	26	26	26	26	26	26	26	26	26
				Left Interior	20	20	20	20	20	20	20	51	51	51	51	51	51	51	51	51	51	51	51	51	*	*	*	*	*	*	*	*
				Left Hardware	21	21	21	21	21	21	21	52	52	52	52	52	52	52	52	52	52	52	52	52	*	*	*	*	*	*	*	*
				Left A Pillar	22	22	22	22	22	22	22	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
				Left B Pillar	23	23	23	23	23	23	23	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
				Other Left Pillar	24	24	24	24	24	24	24	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
				Left Side Window Glass or Frame	25	25	25	25	25	25	25	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Left Window Glass	*	*	*	*	*	*	*	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
				Left Window Frame	*	*	*	*	*	*	*	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
				Left Window Sill	*	*	*	*	28	28	28	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
				Left Window+oth	26	26	26	26	26	26	26	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
				Oth Left Obj	27	27	27	27	27	27	27	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
				Left Glass Reinforced by Ext Obj	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	61	61	61	61	61	61	61	61
				Left Side Panel Forward Of A1/A2 Pillar	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	62	62	62	62	62	62	62	62
				Left Side Panel Rear Of The B-Pillar	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	63	63	63	63	63	63	63	63
				Door - Left Forward Upper Quadrant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	73	73	73	73	73	73	73	73
				Door - Left Forward Lower Quadrant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	74	74	74	74	74	74	74	74
				Door - Left Rear Upper Quadrant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	75	75	75	75	75	75	75	75
				Door - Left Rear Lower Quadrant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	76	76	76	76	76	76	76	76
				Left Armrest/Hardware In Forward Upper Quadrant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	77	77	77	77	77	77	77	77
				Left Armrest/Hardware In Forward Lower Quadrant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	78	78	78	78	78	78	78	78
				Left Armrest/Hardware In Rear Upper Quadrant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	79	79	79	79	79	79	79	79
				Left Armrest/Hardware In Rear Lower Quadrant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	80	80	80	80	80	80	80	80
				Right Interior	30	30	30	30	30	30	30	101	101	101	101	101	101	101	101	101	101	101	101	101	*	*	*	*	*	*	*	*
				Right Hardware	31	31	31	31	31	31	31	102	102	102	102	102	102	102	102	102	102	102	102	102	*	*	*	*	*	*	*	*
				Right A Pillar	32	32	32	32	32	32	32	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103
				Right B Pillar	33	33	33	33	33	33	33	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
				Oth Right Pillar	34	34	34	34	34	34	34	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105
				Right Side Window Glass or Frame	35	35	35	35	35	35	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
				Right Wind Glass	*	*	*	*	*	*	*	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106
				Right Wind Frame	*	*	*	*	*	*	*	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107
				Right Window sill	*	*	*	*	38	38	38	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108
				Right Window+oth	36	36	36	36	36	36	36	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109
				Oth Right Obj	37	37	37	37	37	37	37	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110
				Right Side Glass Reinforced by Ext Obj	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	111	111	111	111	111	111	111	111
				Right Side Panel Forward Of A1/A2 Pillar	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	112	112	112	112	112	112	112	112
				Right Side Panel Rear Of The B-Pillar	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	113	113	113	113	113	113	113	113
				Door - Right Forward Upper Quadrant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	121	121	121	121	121	121	121	121
				Door - Right Forward Lower Quadrant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	122	122	122	122	122	122	122	122
				Door - Right Rear Upper Quadrant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	123	123	123	123	123	123	123	123
				Door - Right Rear Lower Quadrant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	124	124	124	124	124	124	124	124
				Right Armrest/Hardware In Forward Upper Quadrant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	125	125	125	125	125	125	125	125
				Right Armrest/Hardware In Forward Lower Quadrant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	126	126	126	126	126	126	126	126
				Right Armrest/Hardware In Rear Upper Quadrant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	127	127	127	127	127	127	127	127
				Right Armrest/Hardware In Rear Lower Quadrant	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	128	128	128	128	128	128	128	128
				Seat, Back	40	40	40	40	40	40	40	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151
				Belt webbing/buckle	41	41	41	41	41	41	41	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152
				Belt, B-Pillar Attachment	42	42	42	42	42	42	42	153	153	153	153	153	153	153	153	153	153	153	153	153	153	153	153	153	153	153	153	153
				Other restraint component	43	43	43	43	43	43	43	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154
				Head Restraint	44	44	44	44	44	44	44	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155
				Air Bag	45	45	45	45	45	45	45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year
. = blank/missing data

OI DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																											
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
				Other Occupants	46	46	46	46	46	46	46	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160
				Interior Loose Object	47	47	47	47	47	47	47	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161
				Child Seat	48	48	48	48	48	48	48	162	162	162	162	162	162	162	162	162	162	162	162	*	*	*	*	*	*	*	*	*
				Oth Interior Obj	49	49	49	49	49	49	49	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163
				Ctr Cons/1st Row	*	*	*	*	*	*	*	*	*	*	*	*	*	*	164	164	164	164	164	164	164	164	164	164	164	164	164	164
				Ctr Cons/2nd Row	*	*	*	*	*	*	*	*	*	*	*	*	*	*	165	165	165	165	165	165	165	165	165	165	165	165	165	165
				Ctr Cons/Oth Row	*	*	*	*	*	*	*	*	*	*	*	*	*	*	166	166	166	166	166	166	166	166	166	166	166	166	166	166
				Fldwn Armrst/1 R	*	*	*	*	*	*	*	*	*	*	*	*	*	*	167	167	167	167	167	167	167	167	167	167	167	167	167	167
				Fldwn Armrst/2 R	*	*	*	*	*	*	*	*	*	*	*	*	*	*	168	168	168	168	168	168	168	168	168	168	168	168	168	168
				Fldwn Armrst/O R	*	*	*	*	*	*	*	*	*	*	*	*	*	*	169	169	169	169	169	169	169	169	169	169	169	169	169	169
				Air Bag-Dr Side	*	*	*	*	*	*	*	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170
				Bag-Dr Side+eyew	*	*	*	*	*	*	*	171	171	171	171	171	171	171	171	171	171	171	171	171	171	171	171	171	171	171	171	171
				Bag-Dr Side+jlry	*	*	*	*	*	*	*	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172
				Bag-Dr Side+obj	*	*	*	*	*	*	*	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173
				Bag-Dr Side+mout	*	*	*	*	*	*	*	174	174	174	174	174	174	174	174	174	174	174	174	174	174	174	174	174	174	174	174	174
				Bagcover-Dr Side	*	*	*	*	*	*	*	175	175	175	175	175	175	175	175	175	175	175	175	175	175	175	175	175	175	175	175	175
				Bagcvr-Drside+ey	*	*	*	*	*	*	*	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176
				Bagcvr-Drside+jl	*	*	*	*	*	*	*	177	177	177	177	177	177	177	177	177	177	177	177	177	177	177	177	177	177	177	177	177
				Bagcvr-Drside+ob	*	*	*	*	*	*	*	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178
				Bagcvr-Drside+mo	*	*	*	*	*	*	*	179	179	179	179	179	179	179	179	179	179	179	179	179	179	179	179	179	179	179	179	179	179
				Air Bag-Ps Side	*	*	*	*	*	*	*	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
				Bag-Ps Side+eyew	*	*	*	*	*	*	*	181	181	181	181	181	181	181	181	181	181	181	181	181	181	181	181	181	181	181	181	181	181
				Bag-Ps Side+jry	*	*	*	*	*	*	*	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182
				Bag=ps Side+obj	*	*	*	*	*	*	*	183	183	183	183	183	183	183	183	183	183	183	183	183	183	183	183	183	183	183	183	183	183
				Bag=ps Side+mout	*	*	*	*	*	*	*	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184
				Bagcover-Ps Side	*	*	*	*	*	*	*	185	185	185	185	185	185	185	185	185	185	185	185	185	185	185	185	185	185	185	185	185	185
				Bagcvr-Psside+ey	*	*	*	*	*	*	*	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186
				Bagcvr-Psside+jl	*	*	*	*	*	*	*	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187
				Bagcvr-Psside+ob	*	*	*	*	*	*	*	188	188	188	188	188	188	188	188	188	188	188	188	188	188	188	188	188	188	188	188	188	188
				Bagcvr-Psside+mo	*	*	*	*	*	*	*	189	189	189	189	189	189	189	189	189	189	189	189	189	189	189	189	189	189	189	189	189	189
				Other Air Bag	*	*	*	*	*	*	*	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190
				Bagcover-Oth Bag	*	*	*	*	*	*	*	195	195	195	195	195	195	195	195	195	195	195	195	195	195	195	195	195	195	195	195	195	195
				Front Header	50	50	50	50	50	50	50	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201
				Rear Header	51	51	51	51	51	51	51	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202
				Roof Left Rail	52	52	52	52	52	52	52	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203
				Roof Right Rail	53	53	53	53	53	53	53	204	204	204	204	204	204	204	204	204	204	204	204	204	204	204	204	204	204	204	204	204
				Roof	54	54	54	54	54	54	54	205	205	205	205	205	205	205	205	205	205	205	205	205	205	205	205	205	205	205	205	205
				Roof Maplight	*	*	*	*	*	*	*	*	*	*	*	*	*	*	206	206	206	206	206	206	206	206	206	206	206	206	206	206
				Sunroof/Comp	*	*	*	*	*	*	*	*	*	*	*	*	*	*	207	207	207	207	207	207	207	207	207	207	207	207	207	207
				Roll-Bar	*	*	*	*	*	*	*	*	*	*	*	*	*	*	208	208	208	208	208	208	208	208	208	208	208	208	208	208
				Floor	56	56	56	56	56	56	56	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251
				Transmission Lever	57	57	57	57	57	57	57	252	252	252	252	252	252	252	252	252	252	252	252	252	252	252	252	252	252	252	252	252
				Brake Handle	58	58	58	58	58	58	58	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253
				Foot Controls	59	59	59	59	59	59	59	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254
				Child Seat Shell	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	271	271	271	271	271	271	271	271	271	271
				Child Harness	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	272	272	272	272	272	272	272	272	272	272
				Unk Ch Ss Comp	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	273	273	273	273	273	273	273	273	273	273
				Backlight	60	60	60	60	60	60	60	301	301	301	301	301	301	301	301	301	301	301	301	301	301	301	301	301	301	301	301	301
				Back Storage	61	61	61	61	61	61	61	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302
				Other Rear Object	62	62	62	62	62	62	62	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303
				Adaptive Hand Control	*	*	*	*	*	*	*	401	401	401	401	401	401	401	401	401	401	401	401	401	401	401	401	401	401	401	401	401
				Adaptive Steering Control	*	*	*	*	*	*	*	402	402	402	402	402	402	402	402	402	402	402	402	402	402	402	402	402	402	402	402	402	402
				Adaptive Steering Knob	*	*	*	*	*	*	*	403	403	403	403	403	403	403	403	403	403	403	403	403	403	403	403	403	403	403	403	403
				Replacement Steer Wheel	*	*	*	*	*	*	*	405	405	405	405	405	405	405	405	405	405	405	405	405	405	405	405	405	405	405	405	405
				Joy Stick Control	*	*	*	*	*	*	*	406	406	406	406	406	406	406	406	406	406	406	406	406	406	406	406	406	406	406	406	406
				Wheelchair Tie Down	*	*	*	*	*	*	*	407	407	407	407	407	407	407	407	407	407	407	407	407	407	407	407	407	407	407	407	407
				Mod Seat Belts	*	*	*	*	*	*	*	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408
				Add Switches	*	*	*	*	*	*	*	409	409	409	409	409	409	409	409	409	409	409	409	409	409	409	409	409	409	409	409	409
				Raised Roof	*	*	*	*	*	*	*	410	410	410	410	410	410	410	410	410	410	410	410	410	410	410	410	410	410	410	410	410
				Wall Mtd Headrs	*	*	*	*	*	*	*	411	411	411	411	411	411	411	411	411	411	411	411	411	411	411	411	411	411	411	411	411
				Oth Adpt Device	*	*	*	*	*	*	*	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year
. = blank/missing data

OI DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																											
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
				Hood	65	65	65	65	65	65	65	451	451	451	451	451	451	451	451	451	451	451	451	451	451	451	451	451	451	451	451	451
				Outside Hardware	66	66	66	66	66	66	66	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452
				Other Exterior	67	67	67	67	67	67	67	453	453	453	453	453	453	453	453	453	453	453	453	453	453	453	453	453	453	453	453	453
				Unk Exterior Obj	68	68	68	68	68	68	68	454	454	454	454	454	454	454	454	454	454	454	454	454	454	454	454	454	454	454	454	454
				OMV Front Bumper	70	70	70	70	70	70	70	501	501	501	501	501	501	501	501	501	501	501	501	501	501	501	501	501	501	501	501	501
				OMV Hood Edge	71	71	71	71	71	71	71	502	502	502	502	502	502	502	502	502	502	502	502	502	502	502	502	502	502	502	502	502
				OMV Other Front	72	72	72	72	72	72	72	503	503	503	503	503	503	503	503	503	503	503	503	503	503	503	503	503	503	503	503	503
				OMV Hood	73	73	73	73	73	73	73	504	504	504	504	504	504	504	504	504	504	504	504	504	504	504	504	504	504	504	504	504
				OMV Ornament	74	74	74	74	74	74	74	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505
				OMV Windshield	75	75	75	75	75	75	75	506	506	506	506	506	506	506	506	506	506	506	506	506	506	506	506	506	506	506	506	506
				OMV Side Surface	76	76	76	76	76	76	76	507	507	507	507	507	507	507	507	507	507	507	507	507	507	507	507	507	507	507	507	507
				OMV Side Mirrors	77	77	77	77	77	77	77	508	508	508	508	508	508	508	508	508	508	508	508	508	508	508	508	508	508	508	508	508
				OMV Side Protrusion	78	78	78	78	78	78	78	509	509	509	509	509	509	509	509	509	509	509	509	509	509	509	509	509	509	509	509	509
				OMV Rear Surface	79	79	79	79	79	79	79	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510
				OMV Und/Carriage	80	80	80	80	80	80	80	511	511	511	511	511	511	511	511	511	511	511	511	511	511	511	511	511	511	511	511	511
				OMV Tires/Wheels	81	81	81	81	81	81	81	512	512	512	512	512	512	512	512	512	512	512	512	512	512	512	512	512	512	512	512	512
				OMV Other Exterior	82	82	82	82	82	82	82	513	513	513	513	513	513	513	513	513	513	513	513	513	513	513	513	513	513	513	513	513
				OMV Unknown Exterior	83	83	83	83	83	83	83	514	514	514	514	514	514	514	514	514	514	514	514	514	514	514	514	514	514	514	514	514
				Ground	84	84	84	84	84	84	84	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551
				Same Occ Contact	*	*	*	*	*	*	*	*	*	*	*	*	*	*	570	570	570	570	570	570	570	570	570	570	570	570	570	570
				St Ltch Pt/Ch Res	*	*	*	*	*	*	*	*	*	*	*	*	*	*	572	572	572	572	572	572	572	572	572	572	572	572	572	572
				Grab Handles	*	*	*	*	*	*	*	*	*	*	*	*	*	*	573	573	573	573	573	573	573	573	573	573	573	573	573	573
				Engine Shroud	*	*	*	*	*	*	*	*	*	*	*	*	*	*	574	574	574	574	574	574	574	574	574	574	574	574	574	574
				Seatback Trays	*	*	*	*	*	*	*	*	*	*	*	*	*	*	575	575	575	575	575	575	575	575	575	575	575	575	575	575
				Cargo In Veh	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	576	576	576	576	576	576	576	576	576
				Other vehicle or object	85	85	85	85	85	85	85	598	598	598	598	598	598	598	598	598	598	598	598	598	598	598	598	598	598	598	598	598
				Unknown vehicle or object	86	86	86	86	86	86	86	599	599	599	599	599	599	599	599	599	599	599	599	599	599	599	599	599	599	599	599	599
				Fire In Vehicle	90	90	90	90	90	90	90	601	601	601	601	601	601	601	601	601	601	601	601	601	601	601	601	601	601	601	601	601
				Flying Glass	91	91	91	91	91	91	91	602	602	602	602	602	602	602	602	602	602	602	602	602	602	602	602	602	602	602	602	602
				Other Noncontact	92	92	92	92	92	92	92	603	603	603	603	603	603	603	603	603	603	603	603	603	603	603	603	603	603	603	603	603
				Air Bag Exhaust Gases	*	*	*	*	93	93	93	604	604	604	604	604	604	604	604	604	604	604	604	604	604	604	604	604	604	604	604	604
				Unknown Source	97	97	97	97	97	97	97	697	697	697	697	697	697	697	697	697	697	697	697	697	697	697	697	697	697	697	697	697
OI	Injury Source Confidence Level	SOUCON	SOUCON	Certain	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Probable	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Possible	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
OI	Direct/Indirect Injury	DIRINJ	DIRINJ	Direct Contact	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Indirect Contact	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Noncontact Inj	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Air Bag Rel Inj	*	*	*	*	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	*	*	*	*	*	*	*	*	*
				Unknown Source	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
OI	Occupant Area Intrusion No.	INTRUNO	INTRUNO	No Intrusion	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Unknown	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U
				Inj/Noncode Int	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97
OI	Body Region (AIS98 Format)	REGION90	BODYREG	Head	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Face	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Neck	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Thorax	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Abdomen	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
				Spine	*	*	*	*	*	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
				Upper Extremity	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
				Lower Extremity	*	*	*	*	*	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				Unspecified	*	*	*	*	*	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
				Not applicable to AIS98	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.A	.A	.A	.A	.A	.A	.A
OI	Type Of Anatomic Structure (AIS98 Format)	STRUTYPE		VALUE	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
				Not applicable to AIS98	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.A	.A	.A	.A	.A	.A
OI	Specific Anatomic Structure (AIS98 Format)	STRUSPEC		VALUE	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
				Not applicable to AIS98	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.A	.A	.A	.A	.A	.A
OI	Injury Level (AIS98 Format)	INJLEVEL		VALUE	*	*	*	*	*	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
				Not AIS98 applicable	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.A	.A	.A	.A	.A	.A
OI	Body Region (AIS08 Format)	REGION08	BODYREG	Head	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	1	1	1	1	1

Legend for SAS Codes:
= actual numeric value
* = attribute not valid for this data year
. = blank/missing data

OI DATA SET

Data Set	Variable Name	SAS Name	SAS Format Name	Format Label	SAS Code																											
					1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
				Face	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2	2	2	2	2	2
				Neck	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3	3	3	3	3	3
				Thorax	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	4	4	4	4	4	4
				Abdomen	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	5	5	5	5	5	5
				Spine	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	6	6	6	6	6	6
				Upper Extremity	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	7	7	7	7	7	7
				Lower Extremity	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	8	8	8	8	8	8
				Unspecified	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	9	9	9	9	9	9
OI	Type of Anatomic Structure (AIS08 Format)	STRTYP08		VALUE	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	#	#	#	#	#	#
OI	Specific Anatomic Structure (AIS08 Format)	STRSPC08		VALUE	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	#	#	#	#	#	#
OI	Injury Level (AIS08 Format)	INJLVL08		VALUE	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	#	#	#	#	#	#
OI	Aspect90	ASPECT90	ASPECT	Whole Region	*	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Right	*	*	*	*	*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
				Left	*	*	*	*	*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Bilateral	*	*	*	*	*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Central	*	*	*	*	*	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
				Anterior	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	.	.	.	.	.	.	.
				Anterior/Front/Ventral	*	*	*	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	5	5	5	5	5	5	5
				Posterior	*	*	*	*	*	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	.	.	.	.	.	.	.
				Posterior/Back/Dorsal	*	*	*	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	6	6	6	6	6	6	6	6
				Superior	*	*	*	*	*	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	.	.	.	.	.	.	.
				Superior/Upper	*	*	*	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	7	7	7	7	7	7	7	7
				Inferior	*	*	*	*	*	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	.	.	.	.	.	.	.
				Inferior/Lower	*	*	*	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	8	8	8	8	8	8	8	8
				Not Collected	*	*	*	*	*	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N	.N
				Unknown	*	*	*	*	*	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U	.U

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U.S. Department
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**National Highway
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