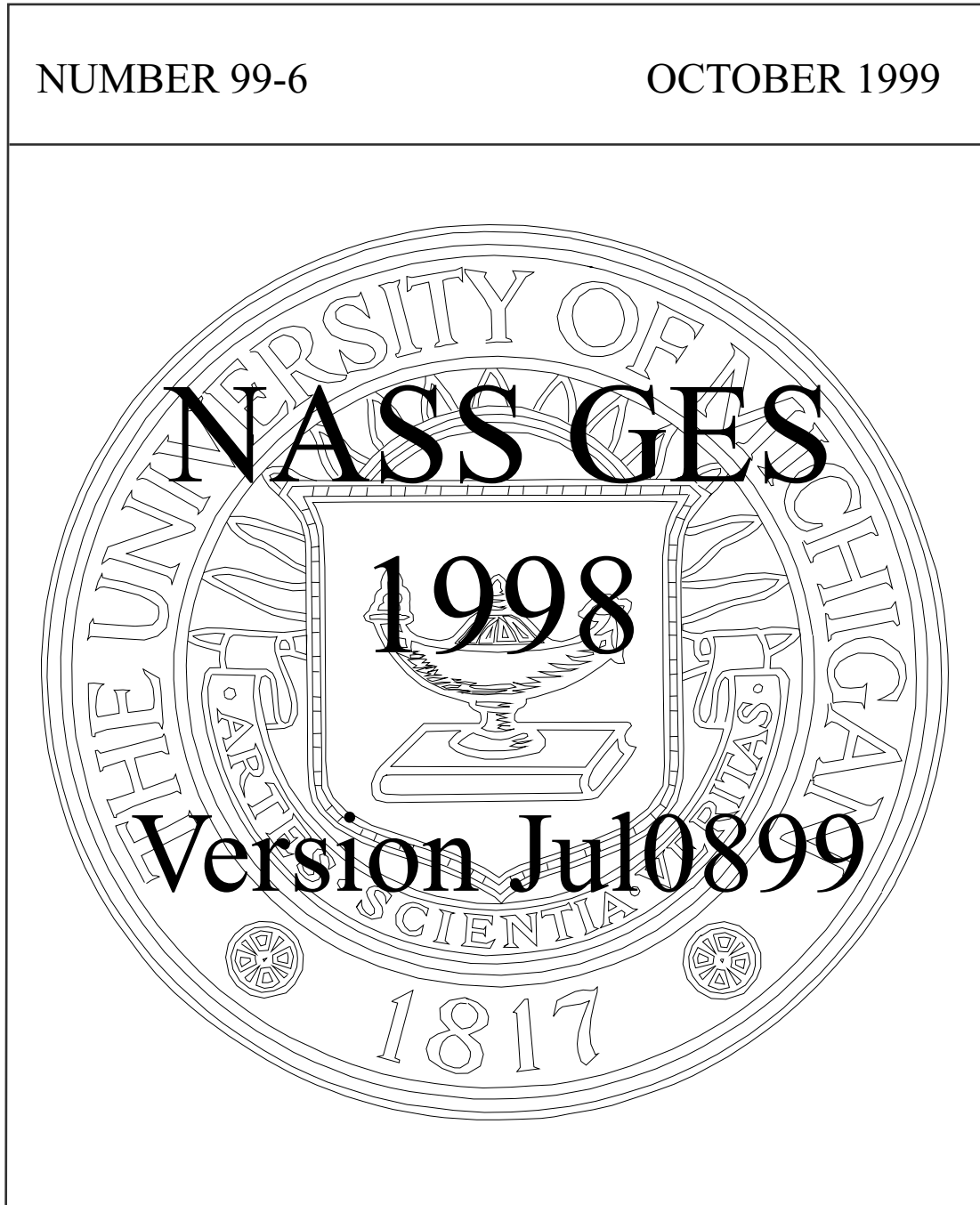


Transportation Data Center
Data Set Codebook

NUMBER 99-6

OCTOBER 1999



The University of Michigan
Transportation Research Institute

GENERAL ESTIMATES SYSTEMS (GES)

1998 Codebook - Version 070899

Introduction

This codebook documents data sets describing a sample of motor vehicle accidents that occurred in the USA during calendar year 1998. The data sets were generated by the Transportation Data Center at the University of Michigan's Transportation Research Institute (UMTRI) from data collected by the National Center for Statistics and Analysis (NCSA) of the National Highway Traffic Safety Administration (NHTSA). The cooperation of NHTSA is gratefully acknowledged. These data are a copy of the NHTSA files made on July 8, 1999.

The data are a sample of the 1998 motor vehicle accidents for which candidate accidents were chosen with varying probabilities according to a scheme detailed in the Users Manual.¹ Accident reports chosen for inclusion represent accidents of all types with personal injuries ranging from minor to serious that were drawn from geographic areas reflecting the geography, roadway mileage, population, and traffic densities typical of the continental United States.

The data set supplied by NHTSA is relational in structure with three separate relations that describe accident parameters, vehicles and drivers, and persons (i.e., occupants and nonmotorists). This structure has been reformatted into a set of four rectangular files described below. A relational data set is maintained, however, and persons interested in rectangular file structures not supplied in the system data sets should contact the Data Center.

¹ National Center for Statistics and Analysis, National Automotive Sampling System (NASS) GENERAL ESTIMATES SYSTEM (GES), Analytical User's Manual, 1988 - 1998 File.

In the 1998 GES file there are 264 vehicles with no occupants and these vehicles are not represented in the occupant level data set. Prior years of GES data had a similar number of such cases.

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

Characteristics of the GES Data Sets

DATA SET	KEY	Freq	VARIABLES
Accident	GES98ACC	54,006	1-52
Vehicle	GES98VEH	97,362	1-52,101-165
Occupant	GES98OCC	138,224	1-52,101-165,201-230
Nonmotorist	GES98NMT	3,148	1-52,101-165,201-230,301-330

The codebook itself is divided into four sections that document the accident, vehicle & driver, occupant, and nonmotorist records, respectively. The univariate frequencies and percentages displayed in each section are taken from the corresponding data set: vehicle and driver frequencies from GES97VEH, nonmotorist frequencies from GES97NMT, etc.). Starting with the 1998 GES data the nonmotorist file now contains the record for the vehicle that struck the nonmotorist, when known.

An index at the end of the codebook cross references words used in the codebook by variable and code value number.

The GES investigation STRATUM (variables 31, 150, 221, 321), groupings of Police Accident Reports (PARs) at the PSU, are defined as:

Group 1. All crashes involving a towed passenger vehicle, i.e., a passenger car, utility vehicle, light truck or van, but no medium or heavy truck.

Group 2. All crashes involving a medium or heavy truck and where at least one passenger vehicle was towed or involved person was injured.

Group 3. All crashes not involving a towed passenger vehicle or medium or heavy truck, but one in which an involved person was injured.

Group 4. All other crashes.

While every effort has been made to provide accurate, reliable data, inconsistencies may arise from the source data or from the reformatting procedures used. Consequently, the Data Center cannot guarantee the accuracy of the data but will try to correct any discrepancies that are found. Please notify the Center of any errors or data inconsistencies that are uncovered, as well as any suggestions or comments that you may have concerning the codebook by calling 734-763-3230.

General Estimates System (GES)
1998 - Accident

Variable Number	Variable Name	Width	Storage Type	Page Number
1	CASE NUMBER	8	Numeric	1
2	ACCIDENT DATE - MONTH	2	Numeric	1
3	ACCIDENT DATE - YEAR	2	Numeric	1
4	ACCIDENT DAY OF WEEK	1	Numeric	1
5	ACCIDENT TIME - HOUR	2	Numeric	2
6	ACCIDENT TIME - MINUTE	2	Numeric	2
7	NUM VEH INVOLVED IN ACC	2	Numeric	3
8	NUM NMTR INVOLVED IN ACC	2	Numeric	3
9	LAND USE	1	Numeric	3
10	FILLER	2	Numeric	4
11	FIRST HARMFUL EVENT	2	Numeric	4
12	MANNER OF COLLISION	1	Numeric	5
13	INTERSTATE HIGHWAY	1	Numeric	5
14	RELATION TO JUNCTION	2	Numeric	5
15	RELATION TO ROADWAY	1	Numeric	6
16	TRAFFICWAY FLOW	1	Numeric	6
17	NUMBER OF TRAVEL LANES	1	Numeric	6
18	ROADWAY ALIGNMENT	1	Numeric	6
19	ROADWAY PROFILE	1	Numeric	7
20	ROADWAY SURFACE COND	1	Numeric	7
21	TRAFFIC CONTROL DEVICE	2	Numeric	7
22	SPEED LIMIT	2	Numeric	8
23	LIGHT CONDITION	1	Numeric	8
24	ATMOSPHERIC CONDITION	1	Numeric	8
25	SCH BUS RELATED TO ACC	1	Numeric	9
26	PED/CYCLIST ACC TYPE	4	Numeric	9
27	MAX INJ SEVERITY IN ACC	1	Numeric	12
28	NUM INJ PERSONS IN ACC	2	Numeric	12
29	ALCOHOL INVOLVED IN ACC	1	Numeric	13
30	POLICE JURISDICTION	3	Numeric	13
31	STRATUM	1	Numeric	13
32	PSU NUMBER	2	Numeric	13
33	REGION OF COUNTRY	1	Numeric	13
34	WEIGHT	7	Numeric	14
35	WORK ZONE	1	Numeric	14
36	NHS ROADWAY TYPE	2	Numeric	14
37	IMP ALC INVOLVED IN ACC	1	Numeric	15
38	IMP ROADWAY ALIGNMENT	1	Numeric	15
39	IMP FIRST HARMFUL EVENT	2	Numeric	15
40	IMP ACCIDENT TIME - HOUR	2	Numeric	16
41	IMP LIGHT CONDITION	1	Numeric	17
42	IMP MANNER OF COLLISION	1	Numeric	17
43	IMP MAX INJ SEV. IN ACC	1	Numeric	18
44	IMP ACC TIME - MINUTE	2	Numeric	18
45	I NUM INJ PERSONS IN ACC	2	Numeric	18
46	IMPUTED ROADWAY PROFILE	1	Numeric	18
47	IMP RELATION TO JUNCTION	2	Numeric	19
48	IMPUTED SPEED LIMIT	2	Numeric	19
49	IMP ROADWAY SURFACE COND	1	Numeric	19
50	I TRAFFIC CONTROL DEVICE	2	Numeric	20

General Estimates System (GES)
1998 - Accident

<u>Variable Number</u>	<u>Variable Name</u>	<u>Width</u>	<u>Storage Type</u>	<u>Page Number</u>
51	I ATMOSPHERIC CONDITION	1	Numeric	20
52	I ACCIDENT DAY OF WEEK	1	Numeric	21

General Estimates System (GES)
1998 - Vehicle

Variable Number	Variable Name	Width	Storage Type	Page Number
101	CASE NUMBER	8	Numeric	23
102	VEHICLE NUMBER	2	Numeric	23
103	DRIVER PRESENCE	1	Numeric	23
104	VIOLATIONS CHARGED	2	Numeric	23
105	VISION OBSCURED BY	2	Numeric	24
106	DRIVER MANEUVER TO AVOID	2	Numeric	24
107	DRIVER DISTRACTED BY	2	Numeric	25
108	HIT-AND-RUN	1	Numeric	25
109	MAKE	2	Numeric	25
110	MAKE/MODEL	5	Numeric	27
111	MODEL YEAR	4	Numeric	53
112	BODY TYPE	2	Numeric	54
113	CARGO BODY TYPE	2	Numeric	56
114	NO OF AXLES ON VEH/TRAIL	2	Numeric	56
115	VIN	11	Alphabetic	57
116	SPECIAL USE	2	Numeric	57
117	HAZ MATERIAL PLACARD NO	5	Numeric	57
118	HAZ MATERIALS PLACARDED	1	Numeric	58
119	HAZ MATERIALS RELEASE	1	Numeric	58
120	EMERGENCY USE	1	Numeric	58
121	NUM OCC INVOLVED IN VEH	2	Numeric	58
122	TRAVEL SPEED	2	Numeric	59
123	VEHICLE CONTRIB FACTORS	2	Numeric	59
124	VEHICLE TRAILERING	1	Numeric	59
125	JACKKNIFE	1	Numeric	60
126	ROLLOVER	2	Numeric	60
127	FIRE OCCURRENCE	1	Numeric	60
128	INITIAL POINT OF IMPACT	2	Numeric	60
129	DAMAGE AREA #1	1	Numeric	61
130	DAMAGE AREA #2	1	Numeric	61
131	DAMAGE AREA #3	1	Numeric	61
132	DAMAGE AREA #4	1	Numeric	62
133	DAMAGE AREA #5	1	Numeric	62
134	DAMAGE SEVERITY	1	Numeric	62
135	MANNER OF LEAVING SCENE	1	Numeric	63
136	MOST HARMFUL EVENT	2	Numeric	63
137	PRIOR TO CRITICAL EVENT	2	Numeric	64
138	CRITICAL EVENT	3	Numeric	64
139	CORRECTIVE ACTION ATTEMP	2	Numeric	67
140	PRECRASH VEHICLE CONTROL	2	Numeric	67
141	PRECRASH LOCATION	2	Numeric	68
142	VEHICLE ROLE	1	Numeric	68
143	ACCIDENT TYPE	2	Numeric	68
144	MAX INJ SEVERITY IN VEH	1	Numeric	68
145	NUMBER INJURED IN VEH	2	Numeric	69
146	ALCOHOL INVOLVED IN VEH	1	Numeric	69
147	DRIVERS ZIP CODE	5	Numeric	69
148	SPEED RELATED	1	Numeric	70
149	POLICE JURISDICTION	3	Numeric	70
150	STRATUM	1	Numeric	70

General Estimates System (GES)
1998 - Vehicle

Variable Number	Variable Name	Width	Storage Type	Page Number
152	REGION OF COUNTRY	1	Numeric	70
153	WEIGHT	7	Numeric	71
154	CARRIER'S ID NUMBER	6	Numeric	71
155	IMPUTED BODY TYPE	2	Numeric	71
156	IMPUTED HIT-AND-RUN	1	Numeric	73
157	I INITIAL POINT OF IMPAC	2	Numeric	73
158	I PRIOR TO CRITICAL EVEN	2	Numeric	74
159	IMPUTED MODEL YEAR	4	Numeric	74
160	IMP MAX INJ SEV. IN VEH	1	Numeric	75
161	IMP NUM INJURED IN VEH	2	Numeric	75
162	IMP VIOLATIONS CHARGED	2	Numeric	75
163	IMPUTED VEHICLE ROLE	1	Numeric	76
164	IMP ALC INVOLVED IN VEH	1	Numeric	76
165	IMP MOST HARMFUL EVENT	2	Numeric	76

General Estimates System (GES)
1998 - Occupant

Variable Number	Variable Name	Width	Storage Type	Page Number
201	CASE NUMBER	8	Numeric	79
202	VEHICLE NUMBER	2	Numeric	79
203	OCCUPANT NUMBER	2	Numeric	79
204	OCCUPANT TYPE	1	Numeric	80
205	OCC SEATING POSITION	2	Numeric	80
206	OCC RESTRAINT SYSTEM USE	1	Numeric	80
207	OCC RESTRAINT TYPE	1	Numeric	81
208	AIRBAG AVAIL/FUNCTION	1	Numeric	81
209	FILLER	1	Numeric	81
210	OCCUPANT EJECTION	1	Numeric	81
211	OCCUPANT AGE	2	Numeric	82
212	OCCUPANT SEX	1	Numeric	82
213	OCC INJURY SEVERITY	1	Numeric	82
214	TAKEN TO HOSP/TREATMENT	1	Numeric	82
215	OCCUPANT IMPAIRMENT	2	Numeric	83
216	PAR ALCOHOL INVOLVEMENT	1	Numeric	83
217	PAR DRUG INVOLVEMENT	1	Numeric	83
218	FILLER	2	Numeric	83
219	FILLER	2	Numeric	84
220	POLICE JURISDICTION	3	Numeric	84
221	STRATUM	1	Numeric	84
222	PSU NUMBER	2	Numeric	84
223	REGION OF COUNTRY	1	Numeric	84
224	WEIGHT	7	Numeric	84
225	IMPUTED OCCUPANT AGE	2	Numeric	85
226	IMP PAR ALC INVOLVEMENT	1	Numeric	85
227	IMPUT OCCUPANT EJECTION	1	Numeric	85
228	IMP OCC INJURY SEVERITY	1	Numeric	86
229	IMP OCC SEATING POSITION	2	Numeric	86
230	IMPUTED OCCUPANT SEX	1	Numeric	86

General Estimates System (GES)
1998 - Nonmotorist

Variable Number	Variable Name	Width	Storage Type	Page Number
301	CASE NUMBER	8	Numeric	87
302	VEH STRIKING NUMBER NMTR	2	Numeric	87
303	NONMOTORIST NUMBER	2	Numeric	87
304	NONMOTORIST TYPE	1	Numeric	87
305	FILLER	2	Numeric	88
306	FILLER	1	Numeric	88
307	FILLER	1	Numeric	88
308	FILLER	1	Numeric	88
309	NONMOT SAFETY EQUIP USE	1	Numeric	88
310	FILLER	1	Numeric	88
311	NONMOTORIST AGE	2	Numeric	89
312	NONMOTORIST SEX	1	Numeric	89
313	NMTR INJURY SEVERITY	1	Numeric	89
314	TAKEN TO HOSP/TREATMENT	1	Numeric	89
315	NMTR PHYSICAL IMPAIRMENT	2	Numeric	90
316	PAR ALCOHOL INVOLVEMENT	1	Numeric	90
317	PAR DRUG INVOLVEMENT	1	Numeric	90
318	NONMOTORIST ACTION	2	Numeric	90
319	NMTR LOCATION	2	Numeric	91
320	POLICE JURISDICTION	3	Numeric	92
321	STRATUM	1	Numeric	92
322	PSU NUMBER	2	Numeric	92
323	REGION OF COUNTRY	1	Numeric	92
324	WEIGHT	7	Numeric	92
325	IMPUTED NONMOTORIST AGE	2	Numeric	93
326	IMP PAR ALC INVOLVEMENT	1	Numeric	93
327	FILLER	1	Numeric	93
328	IMP NMTR INJURY SEVERITY	1	Numeric	93
329	FILLER	2	Numeric	94
330	IMPUTED NONMOTORIST SEX	1	Numeric	94

The ACCIDENT Variables

Variables 1 through 52 describe the accident. They are included in the Accident, Vehicle, Occupant, and Non-motorist data sets. The Accident data set contains these variables and no others.

Variable 1	CASE NUMBER	Width: 8	Type: Numeric
		Dec: None	Miss: None

Variable 2	ACCIDENT DATE - MONTH	Width: 2	Type: Numeric
		Dec: None	Miss: None

1998 Prcnt	Code Value and Description
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4611	8.5	1	January
4030	7.5	2	February
4700	8.7	3	March
4417	8.2	4	April
4515	8.4	5	May
4531	8.4	6	June
4408	8.2	7	July
4365	8.1	8	August
4409	8.2	9	September
4746	8.8	10	October
4418	8.2	11	November
4856	9.0	12	December

Variable 3	ACCIDENT DATE - YEAR	Width: 2	Type: Numeric
		Dec: None	Miss: None

1998 Prcnt	Code Value and Description
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54006	100.0	98	1998
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Variable 4	ACCIDENT DAY OF WEEK	Width: 1	Type: Numeric
		Dec: None	Miss: 9

1998 Prcnt	Code Value and Description
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5279	9.8	1	Sunday
7912	14.7	2	Monday
8322	15.4	3	Tuesday
8195	15.2	4	Wednesday
8233	15.2	5	Thursday

Variable 4: ACCIDENT DAY OF WEEK (Continued)

1998 Prcnt	Code	Value and Description
9107	16.9	6 Friday
6958	12.9	7 Saturday

Variable 5	ACCIDENT TIME - HOUR	Width: 2	Type: Numeric
		Dec: None	Miss: 99

Crash time - hour

1998 Prcnt	Code	Value and Description
944	1.7	0 12:01 am - 12:59 am
903	1.7	1 1:00 am - 1:59 am
818	1.5	2 2:00 am - 2:59 am
642	1.2	3 3:00 am - 3:59 am
541	1.0	4 4:00 am - 4:59 am
767	1.4	5 5:00 am - 5:59 am
1390	2.6	6 6:00 am - 6:59 am
2762	5.1	7 7:00 am - 7:59 am
2683	5.0	8 8:00 am - 8:59 am
2205	4.1	9 9:00 am - 9:59 am
2376	4.4	10 10:00 am - 10:59 am
2837	5.3	11 11:00 am - 11:59 am
3437	6.4	12 12:00 pm - 12:59 pm
3166	5.9	13 1:00 pm - 1:59 pm
3561	6.6	14 2:00 pm - 2:59 pm
4211	7.8	15 3:00 pm - 3:59 pm
4138	7.7	16 4:00 pm - 4:59 pm
4389	8.1	17 5:00 pm - 5:59 pm
3185	5.9	18 6:00 pm - 6:59 pm
2324	4.3	19 7:00 pm - 7:59 pm
1895	3.5	20 8:00 pm - 8:59 pm
1698	3.1	21 9:00 pm - 9:59 pm
1488	2.8	22 10:00 pm - 10:59 pm
1346	2.5	23 11:00 pm - 11:59 pm
22	0.0	24 12:00 Midnight
278	0.5	99 Unknown

Variable 6	ACCIDENT TIME - MINUTE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

Crash time - minute

1998 Prcnt	Code	Value and Description
5259	9.7	0 - Minute
359	0.7	59
278	0.5	99 Unknown

Variable 7	NUM VEH INVOLVED IN ACC	Width: 2	Type: Numeric
		Dec: None	Miss: None

Number of vehicles involved

1998	Prcnt	Code	Value and Description
16483	30.5	1	1 vehicle involved
32938	61.0	2	2 vehicles involved
3656	6.8	3	3 vehicles involved
713	1.3	4	4 vehicles involved
149	0.3	5	5 vehicles involved
48	0.1	6	6 vehicles involved
11	0.0	7	7 vehicles involved
3	0.0	8	8 vehicles involved
2	0.0	9	9 vehicles involved
2	0.0	10	10 vehicles involved
1	0.0	11	11 vehicles involved

Variable 8	NUM NMTR INVOLVED IN ACC	Width: 2	Type: Numeric
		Dec: None	Miss: 99

Number of nonmotorists involved

1998	Prcnt	Code	Value and Description
51086	94.6	0	0 nonmotorists involved
2744	5.1	1	1 nonmotorist involved
141	0.3	2	2 nonmotorists involved
20	0.0	3	3 nonmotorists involved
13	0.0	4	4 nonmotorists involved
2	0.0	5	5 nonmotorists involved

Variable 9	LAND USE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

1998	Prcnt	Code	Value and Description
4092	7.6	1	Within area of population 25,000-50,000
5589	10.3	2	Within area of population 50,000-100,000
15369	28.5	3	Within area of population 100,000+
24965	46.2	8	Other area
3991	7.4	9	Unknown

General Estimates System (GES)
1998 - Accident

Variable 10	FILLER	Width: 2	Type: Numeric
		Dec: None	Miss: None

Variable 11	FIRST HARMFUL EVENT	Width: 2	Type: Numeric
		Dec: None	Miss: 99

1998 Prcnt	Code	Value and Description
		NonCollision
1597	3.0	1 Rollover/Overturn
42	0.1	2 Fire/Explosion
17	0.0	3 Immersion
132	0.2	5 Jackknife
66	0.1	6 Noncollision injury (injured in vehicle, or fell from vehicle)
394	0.7	8 Other noncollision
6	0.0	9 Noncollision - no details
17	0.0	10 Thrown or falling object
		Collision with Object Not Fixed
1452	2.7	21 Pedestrian
1129	2.1	22 Cycle or cyclist (pedalcycle or pedalcyclist)
26	0.0	23 Railway train
1342	2.5	24 Animal
36705	68.0	25 Motor vehicle in transport
1790	3.3	26 Parked motor vehicle (or other mv not in transport)
42	0.1	27 Other type nonmotorist
180	0.3	28 Other object not fixed
5	0.0	29 Object not fixed - no details
		Collision with Fixed Object
22	0.0	31 Ground
89	0.2	32 Building
25	0.0	33 Impact attenuator or crash cushion
178	0.3	34 Bridge structure (pier/abutment/parapet end/rail)
1055	2.0	35 Guardrail
700	1.3	36 Concrete traffic barrier or other longitudinal barrier type
1686	3.1	37 Post, pole or support (sign post, utility post)
1311	2.4	38 Culvert or ditch
604	1.1	39 Curb
591	1.1	40 Embankment
415	0.8	41 Fence
168	0.3	42 Wall
79	0.1	43 Fire hydrant
52	0.1	44 Shrubbery or bush
1263	2.3	45 Tree
82	0.2	46 Boulder
43	0.1	50 Pavement surface irregularity (ruts, potholes, grates, plates, etc.)
573	1.1	58 Other fixed object
67	0.1	59 Fixed object - no details
61	0.1	99 Unknown

Variable 12	MANNER OF COLLISION	Width: 1	Type: Numeric
		Dec: None	Miss: 9

1998 Prcnt	Code Value and Description
17261 32.0	0 Not collision with vehicle in transport
14099 26.1	1 Rear-end
894 1.7	2 Head-on
8 0.0	3 Rear-to-rear
19245 35.6	4 Angle
2085 3.9	5 Sideswipe, same direction
357 0.7	6 Sideswipe, opposite direction
39 0.1	8 Other
18 0.0	9 Unknown

Variable 13	INTERSTATE HIGHWAY	Width: 1	Type: Numeric
		Dec: None	Miss: 9

1998 Prcnt	Code Value and Description
47931 88.8	0 No
6074 11.2	1 Yes
1 0.0	9 Unknown

Variable 14	RELATION TO JUNCTION	Width: 2	Type: Numeric
		Dec: None	Miss: 99

1998 Prcnt	Code Value and Description
	Non-Interchange Area
24697 45.7	0 Non-junction
15001 27.8	1 Intersection
6367 11.8	2 Intersection related
5104 9.5	3 Driveway, alley access, etc.
103 0.2	4 Entrance/exit ramp
115 0.2	5 Rail grade crossing
346 0.6	6 On a bridge
292 0.5	8 Other, non-interchange
232 0.4	9 Unknown, non-interchange
	Interchange Area
126 0.2	10 Non-junction
393 0.7	11 Intersection
233 0.4	12 Intersection related
9 0.0	13 Driveway alley access, etc.
847 1.6	14 Entrance/exit ramp
66 0.1	16 On a bridge
22 0.0	18 Other location in interchange
28 0.1	19 Unknown, interchange area
25 0.0	99 Unknown if interchange

General Estimates System (GES)
1998 - Accident

Variable 15	RELATION TO ROADWAY	Width: 1	Type: Numeric
		Dec: None	Miss: 9

1998 Prcnt	Code Value and Description
41986 77.7	1 On roadway
1883 3.5	2 On shoulder or parking lane
8606 15.9	3 Off roadway/shoulder/parking lane
1373 2.5	4 On median
150 0.3	8 Other
8 0.0	9 Unknown

Variable 16	TRAFFICWAY FLOW	Width: 1	Type: Numeric
		Dec: None	Miss: 9

1998 Prcnt	Code Value and Description
28754 53.2	1 Not physically divided (two way trafficway)
15891 29.4	2 Divided highway (median strip, barrier)
2180 4.0	3 One way trafficway
7181 13.3	9 Unknown

Variable 17	NUMBER OF TRAVEL LANES	Width: 1	Type: Numeric
		Dec: None	Miss: 9

1998 Prcnt	Code Value and Description
972 1.8	1 One lane
21747 40.3	2 Two lanes
7079 13.1	3 Three lanes
7207 13.3	4 Four lanes
4473 8.3	5 Five lanes
818 1.5	6 Six lanes
683 1.3	7 Seven or more lanes
11027 20.4	9 Unknown

Variable 18	ROADWAY ALIGNMENT	Width: 1	Type: Numeric
		Dec: None	Miss: 9

1998 Prcnt	Code Value and Description
46483 86.1	1 Straight
5958 11.0	2 Curve
1565 2.9	9 Unknown

Variable 19	ROADWAY PROFILE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

1998 Prcnt	Code	Value and Description
29672 54.9	1	Level
8826 16.3	2	Grade
610 1.1	3	Hillcrest
126 0.2	8	Other
14772 27.4	9	Unknown

Variable 20	ROADWAY SURFACE COND	Width: 1	Type: Numeric
		Dec: None	Miss: 9

Roadway surface condition

1998 Prcnt	Code	Value and Description
40986 75.9	1	Dry
10366 19.2	2	Wet
553 1.0	3	Snow or slush
1227 2.3	4	Ice
85 0.2	5	Sand, dirt, oil
108 0.2	8	Other
681 1.3	9	Unknown

Variable 21	TRAFFIC CONTROL DEVICE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

1998 Prcnt	Code	Value and Description
34600 64.1	0	No controls
		Not at Railroad Grade Crossing
10512 19.5	1	Traffic control signal (on colors)
182 0.3	4	Flashing traffic control signal or flashing beacon
66 0.1	8	Other traffic signal
18 0.0	9	Unknown traffic signal
		Regulatory, School Zone or Warning Signs:
5803 10.7	21	Stop sign
529 1.0	22	Yield sign
5 0.0	23	School zone related sign
586 1.1	28	Other sign
6 0.0	29	Unknown sign
		Warning Sign
36 0.1	40	Advisory speed sign
35 0.1	41	Warning sign for road conditions (hill, steep grade, etc.)
86 0.2	42	Warning sign for road construction
5 0.0	43	Warning sign for environment/traffic (fog ahead, wind, crash ahead)

Variable 21: TRAFFIC CONTROL DEVICE (Continued)

1998 Prcnt	Code	Value and Description
133	0.2	49 Unknown type warning
108	0.2	Miscellaneous not at Railroad Crossing: 51 Officer, crossing guard, flagman, etc.
		At Railroad Grade Crossing
64	0.1	61 Active devices (gates, flashing lights, traffic signal)
26	0.0	62 Passive devices (stop sign, cross-bucks)
		Other/Unknown
177	0.3	97 Traffic control present - no details
464	0.9	98 Other traffic control (whether or not at RR grade crossing)
565	1.0	99 Unknown

Variable 22 SPEED LIMIT Width: 2 Type: Numeric
Dec: None Miss: 99

1998 Prcnt	Code	Value and Description
61	0.1	0 No statutory limit (parking lot, alley, etc.)
5	0.0	5 - Actual speed limit
151	0.3	75
8193	15.2	99 Unknown

Variable 23 LIGHT CONDITION Width: 1 Type: Numeric
Dec: None Miss: 9

1998 Prcnt	Code	Value and Description
37023	68.6	1 Daylight
6206	11.5	2 Dark
7973	14.8	3 Dark, but lighted
764	1.4	4 Dawn
1237	2.3	5 Dusk
0	0.0	6 Dawn or Dusk
803	1.5	9 Unknown

Variable 24 ATMOSPHERIC CONDITION Width: 1 Type: Numeric
Dec: None Miss: 9

1998 Prcnt	Code	Value and Description
44676	82.7	1 No adverse atmospheric related driving conditions
7141	13.2	2 Rain
132	0.2	3 Sleet

Variable 24:ATMOSPHERIC CONDITION (Continued)

1998 Prcnt	Code	Value and Description
922	1.7	4 Snow
226	0.4	5 Fog
15	0.0	6 Rain and fog
8	0.0	7 Sleet and fog
157	0.3	8 Other (smog, smoke, blowing sand/dust/snow, crosswind, hail)
729	1.3	9 Unknown

Variable 25	SCH BUS RELATED TO ACC	Width: 1	Type: Numeric
		Dec: None	Miss: None

Was a school bus directly or indirectly involved?

1998 Prcnt	Code	Value and Description
53773	99.6	0 No
233	0.4	1 Yes

Variable 26	PED/CYCLIST ACC TYPE	Width: 4	Type: Numeric
		Dec: None	Miss: None

Pedestrian/Cyclist Crash Type

1998 Prcnt	Code	Value and Description
51300	95.0	0 No pedestrian/cyclist involved
		Cyclist from Driveway, Alley, or other Midblock Location
59	0.1	1 Cyclist fails to yield to motorist at a residential driveway or alley; precrash path perpendicular to roadway
15	0.0	2 Cyclist fails to yield to motorist at a commercial driveway or alley; precrash path perpendicular to roadway
16	0.0	3 Cyclist turns or merges into path of motorist from residential driveway or alley; precrash path parallel to roadway
98	0.2	4 Cyclist fails to yield to motorist at a midblock location; entry is over curb or shoulder
		Bicyclist Rides out from a Controlled Intersection
87	0.2	5 Cyclist fails to yield to motorist at an intersection controlled by a stop sign or a flashing red signal
1	0.0	6 Cyclist fails to clear intersection controlled by signal before light turns green for coss traffic; motorists' view of cyclist was not obstructed
1	0.0	7 Cyclist fails to clear intersection controlled by signal before light turns green for cross traffic; motorists' view of cyclist was obstructed by standing traffic

Variable 26:PED/CYCLIST ACC TYPE (Continued)

1998 Prcnt	Code	Value and Description
		Motorist Turns or Drives out in front of Bicyclist
71	0.1	8 Motorist exiting from driveway, alley, or other midblock location fails to yield to cyclist
109	0.2	9 At an intersection controlled by a stop sign or flashing red light, motorist obeys the sign but fails to yield to cyclist
40	0.1	10 At an intersection controlled by a signal, motorist obeys signal but fails to yield to cyclist while making right turn on red
11	0.0	11 Motorist backing from driveway fails to yield to cyclist
20	0.0	12 Motorist fails to stop at an intersection controlled by stop sign
		Motorist Overtakes Bicyclist
16	0.0	13 Motorist fails to detect cyclist he/she is overtaking
4	0.0	14 Motorist loses control of veh while overtaking cyclist; in some cases motorist is in uncontrolled slide or spin, but more often, merely loses precise control & veers too far to right
5	0.0	15 The motorist and the cyclist counteract each other's evasive action
15	0.0	16 Motorist misjudges space required to pass cyclist
0	0.0	17 Cyclist's path is obstructed; causing cyclist to strike obstruction or overtaking motorist
		Bicyclist Makes Unexpected Turn or Swerve
21	0.0	18 Cyclist turns left in front of motorist preceeding in the same direction
8	0.0	19 Cyclist turns left in front of motorist approaching from straight ahead
12	0.0	20 Cyclist loses control and swerves into the path of a motorist proceeding in the same direction
3	0.0	21 Cyclist riding on wrong side of street makes right turn in path of approaching motorist
		Motorist Makes Unexpected Turn
18	0.0	22 Motorist make left turn in front of cyclist proceeding in the same direction; in some cases cyclist was riding on wrong side of street
81	0.1	23 Motorist make left turn in front of cyclist approaching from straight ahead
55	0.1	24 Motorist makes right turn in front of cyclist proceeding in a parallel path; bicyclist either proceeding in same direction or from opposite direction (riding on wrong side of street)
		Other/Infrequent
16	0.0	25 Vehicles collided at uncontrolled intersection; crossing paths
30	0.1	26 Vehicles collide head-on; wrong-way bicyclist
16	0.0	27 Bicyclist overtaking motor vehicle
3	0.0	28 Vehicles collide head-on; wrong-way motorist

Variable 26:PED/CYCLIST ACC TYPE (Continued)

1998 Prcnt	Code	Value and Description
14	0.0	29 Parking lot, other open area; crossing paths
1	0.0	30 Vehicles collide head-on; counteractive evasive action
2	0.0	31 Bicyclist cuts corner when turning left; crossing paths
1	0.0	32 Bicyclist swings wide when turning right; crossing paths
2	0.0	33 Motorist cuts corner when turning left; crossing paths
2	0.0	34 Motorist swings wide when turning right; crossing paths
0	0.0	35 Motorist drives out from on-street parking
5	0.0	36 Weird
0	0.0	37 Insufficient information to classify
43	0.1	39 Motorist overtaking (cyclist)
2	0.0	40 Play vehicle (big wheel, other tricycle, or bicyclist with training wheels)
0	0.0	41 Cyclist struck parked vehicle
45	0.1	48 Drive out - intersection (motorist drove out into or in front of cyclist)
103	0.2	49 Ride out - intersection (bicyclist)
51	0.1	55 Controlled intersection - other
6	0.0	97 Unknown
20	0.0	98 Parallel path - unknown
8	0.0	99 Intersecting path - unknown
Pedestrian Crash Types		
6	0.0	110 Commercial bus
5	0.0	120 School bus
9	0.0	130 Ice cream vendor
2	0.0	140 Mailbox related
4	0.0	150 Entering/exiting
15	0.0	210 Driverless vehicle
34	0.1	220 Backing
0	0.0	230 Hot pursuit
0	0.0	310 To/from disabled vehicle
8	0.0	320 Disabled vehicle related
1	0.0	330 Emergency vehicle related
19	0.0	410 Working on roadway
36	0.1	420 Play vehicle related
6	0.0	430 Playing in roadway
2	0.0	510 Hitchhiking
3	0.0	520 Expressway crossing
50	0.1	531 Walking along roadway - with traffic
15	0.0	532 Walking along roadway - against traffic
1	0.0	539 Walking along roadway - can't specify
6	0.0	610 Waiting to cross
66	0.1	620 Not in roadway
15	0.0	710 Multiple threat, intersection
218	0.4	720 Vehicle turn/merge
39	0.1	730 Intersection dash
2	0.0	740 Trapped
6	0.0	750 Pedestrian walked into vehicle - intersection
20	0.0	760 Driver violation
282	0.5	790 Intersection - other
4	0.0	810 Multiple threat - midblock
83	0.2	821 Midblock dart-out - first half

Variable 26: PED/CYCLIST ACC TYPE (Continued)

1998 Prcnt		Code	Value and Description
25	0.0	822	Midblock dart-out - second half
10	0.0	829	Midblock dart-out - can't specify
107	0.2	830	Midblock dash
5	0.0	840	Pedestrian walked into vehicle - midblock
426	0.8	890	Midblock - other
33	0.1	910	Other - weird
4	0.0	920	Inadequate information
Wheelchair Pedestrian Crash Types			
1	0.0	1531	Walking along roadway - with traffic
0	0.0	1710	Multiple threat / intersection
0	0.0	1720	Vehicle turn / merge
0	0.0	1730	Intersection dash
0	0.0	1790	Intersection - other
1	0.0	1890	Midblock - other
1	0.0	9999	First non-motorist involved is unknown person type

Variable 27	MAX INJ SEVERITY IN ACC	Width: 1	Type: Numeric
		Dec: None	Miss: 9

Maximum injury severity in crash

1998 Prcnt		Code	Value and Description
25838	47.8	0	No injury
10405	19.3	1	Possible injury
10530	19.5	2	Nonincapacitating
4499	8.3	3	Incapacitating
450	0.8	4	Fatal
288	0.5	5	Unknown injury severity
1	0.0	6	Died prior
44	0.1	8	No person coded in crash
1951	3.6	9	Unknown

Variable 28	NUM INJ PERSONS IN ACC	Width: 2	Type: Numeric
		Dec: None	Miss: 99

Number of injured persons in crash

1998 Prcnt		Code	Value and Description
26811	49.6	0	No person injured / property damage only crash
17308	32.0	1	- Actual number of people injured
1	0.0	27	
44	0.1	98	No person coded
979	1.8	99	Unknown

Variable 29	ALCOHOL INVOLVED IN ACC	Width: 1	Type: Numeric
		Dec: None	Miss: 9

Was alcohol usage involved in the crash?

1998 Prcnt	Code	Value and Description
3374 6.2	1	Alcohol involved
49488 91.6	2	No alcohol involved
1144 2.1	9	Unknown

Variable 30	POLICE JURISDICTION	Width: 3	Type: Numeric
		Dec: None	Miss: None

Police Jurisdiction codes repeated in each PSU.

Variable 31	STRATUM	Width: 1	Type: Numeric
		Dec: None	Miss: None

1998 Prcnt	Code	Value and Description
25763 47.7	1	Group 1 - All crashes involving a towed passenger vehicle, i.e. a passenger car, utility vehicle, light truck or van, no medium or heavy trucks
8484 15.7	2	Group 2 - All crashes involving a medium or heavy truck and where at least one passenger vehicle was towed or involved person was injured
6001 11.1	3	Group 3 - All crashes not involving a towed passenger vehicle or medium or heavy truck, but one in which an involved person was injured
13758 25.5	4	Group 4 - All other crashes

Variable 32	PSU NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: None

Variable 33	REGION OF COUNTRY	Width: 1	Type: Numeric
		Dec: None	Miss: None

1998 Prcnt	Code	Value and Description
7569 14.0	1	Northeast
15101 28.0	2	Midwest
22465 41.6	3	South
8871 16.4	4	West

Variable 34	WEIGHT	Width: 7	Type: Numeric
		Dec: 2	Miss: None

Variable 35	WORK_ZONE	Width: 1	Type: Numeric
		Dec: None	Miss: None

1998 Prcnt	Code	Value and Description
53158 98.4	0	No
848 1.6	1	Yes

Variable 36	NHS ROADWAY TYPE	Width: 2	Type: Numeric
		Dec: None	Miss: None

National Highway System (NHS) Roadway Type

1998 Prcnt	Code	Value and Description
42806 79.3	0	Not NHS roadway
		Urban
3000 5.6	1	Eisenhower Interstate System (EIS)
9 0.0	2	Congressional high priority route
110 0.2	3	Strategic Highway Network (STRAHNET) route
3 0.0	4	STRAHNET major connector
1212 2.2	5	Other NHS route
45 0.1	9	Unknown urban route
		Rural
601 1.1	11	EIS
70 0.1	12	Congressional high priority route
141 0.3	13	STRAHNET route
0 0.0	14	STRAHNET major connector
733 1.4	15	Other NHS route
271 0.5	19	Unknown rural route
		Urban or Rural
2448 4.5	21	EIS
137 0.3	22	Congressional high priority route
266 0.5	23	STRAHNET route
0 0.0	24	STRAHNET major connector
1660 3.1	25	Other NHS route
394 0.7	98	Unknown if urban or rural
100 0.2	99	Unknown if NHS route

Imputed ACCIDENT Variables

Variables 37 through 52 are imputed versions of previous variables found in the accident dataset.

Variable 37	IMP ALC INVOLVED IN ACC	Width: 1	Type: Numeric
		Dec: None	Miss: 9

Imputed alcohol involved in crash

This variable was imputed by NHTSA

1998 Prcnt		Code	Value and Description
4272	7.9	1	Alcohol involved
49734	92.1	2	No alcohol involved

Variable 38	IMP ROADWAY ALIGNMENT	Width: 1	Type: Numeric
		Dec: None	Miss: 9

This variable was imputed by NHTSA

1998 Prcnt		Code	Value and Description
47884	88.7	1	Straight
6122	11.3	2	Curve

Variable 39	IMP FIRST HARMFUL EVENT	Width: 2	Type: Numeric
		Dec: None	Miss: 99

This variable was imputed by NHTSA

1998 Prcnt		Code	Value and Description
			NonCollision
1601	3.0	1	Rollover/overturn
42	0.1	2	Fire/explosion
17	0.0	3	Immersion
132	0.2	5	Jackknife
66	0.1	6	Noncollision injury (injured in vehicle, or fell from vehicle)
396	0.7	8	Other noncollision
6	0.0	9	Noncollision - no details
17	0.0	10	Thrown or falling object
			Collision with Object Not Fixed
1454	2.7	21	Pedestrian

Variable 39:IMP FIRST HARMFUL EVENT (Continued)

1998 Prcnt		Code	Value and Description
1131	2.1	22	Cycle or cyclist (pedalcycle or pedalcyclist)
26	0.0	23	Railway train
1351	2.5	24	Animal
36705	68.0	25	Motor vehicle in transport
1801	3.3	26	Parked motor vehicle (or other mv not in transport)
42	0.1	27	Other type nonmotorist
181	0.3	28	Other object not fixed
5	0.0	29	Object not fixed - no details
			Collision with Fixed Object
22	0.0	31	Ground
89	0.2	32	Building
25	0.0	33	Impact attenuator or crash cushion
179	0.3	34	Bridge Structure (pier/abutment/parapet end/rail)
1058	2.0	35	Guardrail
702	1.3	36	Concrete traffic barrier or other longitudinal barrier type
1692	3.1	37	Post, pole or support (sign post, utility post)
1315	2.4	38	Culvert or ditch
606	1.1	39	Curb
593	1.1	40	Embankment
417	0.8	41	Fence
168	0.3	42	Wall
80	0.1	43	Fire hydrant
52	0.1	44	Shrubbery or bush
1267	2.3	45	Tree
82	0.2	46	Boulder
44	0.1	50	Pavement surface irregularity (ruts, potholes, grates, plates, etc.)
575	1.1	58	Other fixed object
67	0.1	59	Fixed object - no details

Variable 40	IMP ACCIDENT TIME - HOUR	Width: 2	Type: Numeric
		Dec: None	Miss: 99

This variable was imputed by NHTSA

1998 Prcnt		Code	Value and Description
948	1.8	0	12:01 am - 12:59 am
907	1.7	1	1:00 am - 1:59 am
822	1.5	2	2:00 am - 2:59 am
645	1.2	3	3:00 am - 3:59 am
543	1.0	4	4:00 am - 4:59 am
770	1.4	5	5:00 am - 5:59 am
1396	2.6	6	6:00 am - 6:59 am
2776	5.1	7	7:00 am - 7:59 am
2697	5.0	8	8:00 am - 8:59 am
2216	4.1	9	9:00 am - 9:59 am
2388	4.4	10	10:00 am - 10:59 am

Variable 40:IMP ACCIDENT TIME - HOUR (Continued)

1998 Prcnt	Code	Value and Description
2851	5.3	11 11:00 am - 11:59 am
3455	6.4	12 12:00 pm - 12:59 pm
3183	5.9	13 1:00 pm - 1:59 pm
3580	6.6	14 2:00 pm - 2:59 pm
4234	7.8	15 3:00 pm - 3:59 pm
4161	7.7	16 4:00 pm - 4:59 pm
4413	8.2	17 5:00 pm - 5:59 pm
3203	5.9	18 6:00 pm - 6:59 pm
2336	4.3	19 7:00 pm - 7:59 pm
1905	3.5	20 8:00 pm - 8:59 pm
1707	3.2	21 9:00 pm - 9:59 pm
1496	2.8	22 10:00 pm - 10:59 pm
1352	2.5	23 11:00 pm - 11:59 pm
22	0.0	24 12:00 Midnight

Variable 41	IMP LIGHT CONDITION	Width: 1	Type: Numeric
		Dec: None	Miss: 9

This variable was imputed by NHTSA

1998 Prcnt	Code	Value and Description
37589	69.6	1 Daylight
6297	11.7	2 Dark
8088	15.0	3 Dark, but lighted
775	1.4	4 Dawn
1257	2.3	5 Dusk
0	0.0	6 Dawn or Dusk

Variable 42	IMP MANNER OF COLLISION	Width: 1	Type: Numeric
		Dec: None	Miss: 9

This variable was imputed by NHTSA

1998 Prcnt	Code	Value and Description
17266	32.0	0 Not collision with vehicle in transport
14104	26.1	1 Rear-end
895	1.7	2 Head-on
8	0.0	3 Rear-to-rear
19251	35.6	4 Angle
2086	3.9	5 Sideswipe, same direction
357	0.7	6 Sideswipe, opposite direction
39	0.1	8 Other

<u>Variable 43</u>	<u>IMP MAX INJ SEV. IN ACC</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

This variable was imputed by NHTSA

1998 Prcnt	Code	Value and Description
27564 51.0	0	No injury
10527 19.5	1	Possible injury
10594 19.6	2	Nonincapacitating
4511 8.4	3	Incapacitating
473 0.9	4	Fatal
292 0.5	5	Unknown injury severity
1 0.0	6	Died prior
44 0.1	8	No person coded in crash

<u>Variable 44</u>	<u>IMP ACC TIME - MINUTE</u>	Width: 2	Type: Numeric
		Dec: None	Miss: 99

This variable was imputed by NHTSA

1998 Prcnt	Code	Value and Description
5289 9.8	0	- Minute
361 0.7	59	

<u>Variable 45</u>	<u>I NUM INJ PERSONS IN ACC</u>	Width: 2	Type: Numeric
		Dec: None	Miss: 99

This variable was imputed by NHTSA

1998 Prcnt	Code	Value and Description
27609 51.1	0	No person injured / property damage only crash
17378 32.2	1	- Actual number of people injured
1 0.0	27	

<u>Variable 46</u>	<u>IMPUTED ROADWAY PROFILE</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

This variable was imputed by NHTSA

1998 Prcnt	Code	Value and Description
40976 75.9	1	Level
12037 22.3	2	Grade
831 1.5	3	Hillcrest
162 0.3	8	Other

Variable 47	IMP RELATION TO JUNCTION	Width: 2	Type: Numeric
		Dec: None	Miss: 99

This variable was imputed by NHTSA

1998 Prcnt	Code	Value and Description
Non-Interchange Area		
24811	45.9	0 Non-junction
15073	27.9	1 Intersection
6404	11.9	2 Intersection related
5133	9.5	3 Driveway, alley access, etc.
104	0.2	4 Entrance/exit ramp
115	0.2	5 Rail grade crossing
347	0.6	6 On a bridge
294	0.5	8 Other, non-interchange
Interchange Area		
127	0.2	10 Non-junction
401	0.7	11 Intersection
237	0.4	12 Intersection related
9	0.0	13 Driveway access
862	1.6	14 Entrance/exit ramp
67	0.1	16 On a bridge
22	0.0	18 Other location in interchange

Variable 48	IMPUTED SPEED LIMIT	Width: 2	Type: Numeric
		Dec: None	Miss: 99

This variable was imputed by NHTSA

1998 Prcnt	Code	Value and Description
94	0.2	0 No statutory limit (parking lot, alley, etc.)
6	0.0	5
		- Actual speed limit
177	0.3	75

Variable 49	IMP ROADWAY SURFACE COND	Width: 1	Type: Numeric
		Dec: None	Miss: 9

This variable was imputed by NHTSA

1998 Prcnt	Code	Value and Description
41510	76.9	1 Dry
10496	19.4	2 Wet
561	1.0	3 Snow or slush
1243	2.3	4 Ice
87	0.2	5 Sand, dirt, oil
109	0.2	8 Other

Variable 50	I TRAFFIC CONTROL DEVICE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

This variable was imputed by NHTSA

1998 Prcnt	Code	Value and Description
34958 64.7	0	No controls
		Not at Railroad Grade Crossing
10627 19.7	1	Traffic control signal (on colors)
184 0.3	4	Flashing traffic control signal or flashing beacon
67 0.1	8	Other traffic signal
18 0.0	9	Unknown traffic signal
		Regulatory, School Zone or Warning Signs:
5867 10.9	21	Stop sign
537 1.0	22	Yield sign
5 0.0	23	School zone related sign
592 1.1	28	Other sign
6 0.0	29	Unknown sign
		Warning Sign
37 0.1	40	Advisory speed sign
35 0.1	41	Warning sign for road conditions (hill, steep grade, etc.)
87 0.2	42	Warning sign for road construction
5 0.0	43	Warning sign for environment/traffic (fog ahead, wind, crash ahead)
134 0.2	49	Unknown type warning
		Miscellaneous not at Railroad Crossing:
110 0.2	51	Officer, crossing guard, flagman, etc.
		At Railroad Grade Crossing
64 0.1	61	Active devices (gates, flashing lights, traffic signal)
27 0.0	62	Passive devices (stop sign, cross-bucks)
		Other/Unknown
178 0.3	97	Traffic control present - no details
468 0.9	98	Other traffic control (whether or not at RR grade crossing)

Variable 51	I ATMOSPHERIC CONDITION	Width: 1	Type: Numeric
		Dec: None	Miss: 9

This variable was imputed by NHTSA

1998 Prcnt	Code	Value and Description
45290 83.9	1	No adverse atmospheric related driving conditions
7235 13.4	2	Rain
134 0.2	3	Sleet
936 1.7	4	Snow
229 0.4	5	Fog
15 0.0	6	Rain and fog

Variable 51:I ATMOSPHERIC CONDITION (Continued)

1998 Prcnt		Code	Value and Description
8	0.0	7	Sleet and fog
159	0.3	8	Other (smog, smoke, blowing sand/dust/snow, crosswind, hail)

Variable 52	I	ACCIDENT DAY OF WEEK	Width: 1	Type: Numeric
			Dec: None	Miss: 9

This variable was imputed by NHTSA

1998 Prcnt		Code	Value and Description
5279	9.8	1	Sunday
7912	14.7	2	Monday
8322	15.4	3	Tuesday
8195	15.2	4	Wednesday
8233	15.2	5	Thursday
9107	16.9	6	Friday
6958	12.9	7	Saturday

The VEHICLE/DRIVER Variables

Variables 101 through 165 describe the vehicle and its driver. The Vehicle/Driver data set contains these variables, along with the Accident variables on a vehicle level.

Variable 101	CASE NUMBER	Width: 8	Type: Numeric
		Dec: None	Miss: None

Variable 102	VEHICLE NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: None

1998 Prcnt		Code Value and Description	
54006	55.5	1	Vehicle #1
37523	38.5	2	Vehicle #2
4585	4.7	3	Vehicle #3
929	1.0	4	Vehicle #4
216	0.2	5	Vehicle #5
67	0.1	6	Vehicle #6
19	0.0	7	Vehicle #7
8	0.0	8	Vehicle #8
5	0.0	9	Vehicle #9
3	0.0	10	Vehicle #10
1	0.0	11	Vehicle #11

Variable 103	DRIVER PRESENCE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

1998 Prcnt		Code Value and Description	
286	0.3	0	Unattended vehicle (driverless or no driver involved)
92752	95.3	1	Driver operated vehicle
4323	4.4	2	Hit-and-run
1	0.0	9	Unknown driver presence

Variable 104	VIOLATIONS CHARGED	Width: 2	Type: Numeric
		Dec: None	Miss: 99

1998 Prcnt		Code Value and Description	
68512	70.4	0	None
1440	1.5	1	Alcohol or drugs
3294	3.4	2	Speeding
150	0.2	3	Alcohol or drugs and speeding

Variable 104:VIOLATIONS CHARGED (Continued)

1998 Prcnt	Code	Value and Description
796	0.8	4 Reckless driving
428	0.4	5 Driving with a suspended or revoked license
4443	4.6	6 Failure to yield right-of-way
1408	1.4	7 Running a traffic signal or stop sign
3476	3.6	50 Hit & run (and no information)
4138	4.3	97 Violation charged - no details
9032	9.3	98 Other violation
245	0.3	99 Unknown

Variable 105	VISION OBSCURED BY	Width: 2	Type: Numeric
		Dec: None	Miss: 99

Driver's vision obscured by

1998 Prcnt	Code	Value and Description
90477	92.9	0 No obstruction
146	0.1	1 Rain, snow, fog, smoke, sand, dust
330	0.3	2 Reflected glare, bright sunlight, headlights
116	0.1	3 Curve or hill
25	0.0	4 Building, billboard, or other design features (includes signs, embankment)
118	0.1	5 Trees, crops, vegetation
457	0.5	6 Moving vehicle (including load)
583	0.6	7 Parked vehicle
3	0.0	8 Splash or spray of passing vehicle
4	0.0	9 Inadequate defrost or defog system
2	0.0	10 Inadequate lighting system
0	0.0	11 Obstruction interior to vehicle
0	0.0	12 Mirrors
0	0.0	13 Head restraints
65	0.1	14 Broken or improperly cleaned windshield
44	0.0	15 Fog
3806	3.9	50 Hit-and-run vehicle (and no information)
176	0.2	97 Vision obscured - no details
91	0.1	98 Other obstruction
919	0.9	99 Unknown whether vision was obscured

Variable 106	DRIVER MANEUVER TO AVOID	Width: 2	Type: Numeric
		Dec: None	Miss: 99

Driver maneuvered to avoid

1998 Prcnt	Code	Value and Description
89568	92.0	0 Driver did not maneuver to avoid
117	0.1	1 Object in road
4	0.0	2 Poor road conditions (puddle, ice, pothole, etc.)

Variable 106:DRIVER MANEUVER TO AVOID (Continued)

1998 Prcnt		Code	Value and Description
347	0.4	3	Animal in road
3010	3.1	4	Vehicle in road
145	0.1	5	Pedestrian, pedalcyclist, or other non-motorist in road
3866	4.0	50	Hit & run (and no information)
6	0.0	97	Avoidance maneuver - no details
299	0.3	99	Unknown if driver maneuvered to avoid

Variable 107 DRIVER DISTRACTED BY Width: 2 Type: Numeric
Dec: None Miss: 99

1998 Prcnt		Code	Value and Description
90411	92.9	0	Not distracted
99	0.1	1	Passengers, occupants
91	0.1	2	Vehicle instrument display (radio, cassette, CB, heating/AC)
45	0.0	3	Phone
2335	2.4	4	Other internal distractions
6	0.0	5	Other crash ("rubbernecking")
71	0.1	6	Other external distractions
3779	3.9	50	Hit & run (and no information)
227	0.2	97	Distractions - no details
298	0.3	99	Unknown if distracted

Variable 108 HIT-AND-RUN Width: 1 Type: Numeric
Dec: None Miss: 9

1998 Prcnt		Code	Value and Description
93037	95.6	0	No, did not leave scene
4323	4.4	1	Yes, driver or car and driver left scene
2	0.0	9	Unknown

Variable 109 MAKE Width: 2 Type: Numeric
Dec: None Miss: 99

1998 Prcnt		Code	Value and Description
54	0.1	1	American Motors
1716	1.8	2	Jeep (includes Kaiser-Jeep)
20	0.0	3	AM General
1364	1.4	6	Chrysler
5298	5.4	7	Dodge
0	0.0	8	Imperial
2099	2.2	9	Plymouth
218	0.2	10	Eagle

Variable 109:MAKE (Continued)

1998	Prcnt	Code	Value and Description
17738	18.2	12	Ford
991	1.0	13	Lincoln
2554	2.6	14	Mercury
3064	3.1	18	Buick
1273	1.3	19	Cadillac
15450	15.9	20	Chevrolet
3342	3.4	21	Oldsmobile
3845	3.9	22	Pontiac
2604	2.7	23	GMC
818	0.8	24	Saturn
26	0.0	25	Grumman
2	0.0	29	Other domestic
745	0.8	30	Volkswagen
8	0.0	31	Alfa Romeo
131	0.1	32	Audi
0	0.0	33	Austin/Austin Healey
447	0.5	34	BMW
4330	4.4	35	Nissan/Datsun
5	0.0	36	Fiat
4857	5.0	37	Honda
659	0.7	38	Isuzu
84	0.1	39	Jaguar
0	0.0	40	Lancia
1880	1.9	41	Mazda
454	0.5	42	Mercedes Benz
6	0.0	43	MG
15	0.0	44	Peugeot
60	0.1	45	Porsche
9	0.0	46	Renault
134	0.1	47	Saab
506	0.5	48	Subaru
6176	6.3	49	Toyota
16	0.0	50	Triumph
872	0.9	51	Volvo
1022	1.0	52	Mitsubishi
289	0.3	53	Suzuki
643	0.7	54	Acura
609	0.6	55	Hyundai
9	0.0	56	Merkur
5	0.0	57	Yugo
177	0.2	58	Infiniti
263	0.3	59	Lexus
21	0.0	60	Daihatsu
11	0.0	61	Sterling
24	0.0	62	Land Rover
106	0.1	63	KIA
7	0.0	69	Other foreign
1	0.0	70	BSA
2	0.0	71	Ducati
242	0.2	72	Harley-Davidson
167	0.2	73	Kawasaki
3	0.0	74	Moto-Guzzi

Variable 109:MAKE (Continued)

1998 Prcnt	Code	Value and Description
1	0.0	75 Norton
146	0.1	76 Yamaha
13	0.0	78 Moped (other than listed manufacturers)
17	0.0	79 Other motorcycle
2	0.0	80 Brockway
3	0.0	81 Diamond Reo, Reo
2215	2.3	82 Freightliner, White
1	0.0	83 FWD
2162	2.2	84 International Harvester/Navistar
862	0.9	85 Kenworth
910	0.9	86 Mack
890	0.9	87 Peterbilt
7	0.0	88 Iveco/Magirus
411	0.4	98 Other (truck or bus)
2251	2.3	99 Unknown make

Variable 110	MAKE/MODEL	Width: 5	Type: Numeric
		Dec: None	Miss: 99999

1998 Prcnt	Code	Value and Description
		American Motors
4	0.0	1001 Rambler/American
0	0.0	1002 Rebel/Matador
0	0.0	1003 Ambassador
0	0.0	1004 Pacer
0	0.0	1005 AMX
1	0.0	1006 Javelin
7	0.0	1007 Hornet/Concord
2	0.0	1008 Spirit/Gremlin
9	0.0	1009 Eagle
0	0.0	1010 Eagle SX-4
1	0.0	1398 Other (automobile)
30	0.0	1399 Unknown (automobile)
0	0.0	1998 Other (vehicle)
0	0.0	1999 Unknown (vehicle)
		Jeep
2	0.0	2401 CJ-2/CJ-3/CJ-4
33	0.0	2402 CJ-5/CJ-6/CJ-7/CJ-8
155	0.2	2403 YJ-Wrangler
647	0.7	2404 Cherokee (84 on)
3	0.0	2421 Cherokee (thru 83)
28	0.0	2431 Grand Wagoneer
17	0.0	2481 Pickup
15	0.0	2482 Comanche
5	0.0	2498 Other Light Truck
811	0.8	2499 Unk Light Truck
0	0.0	2999 Unknown vehicle

Variable 110:MAKE/MODEL (Continued)

1998	Prcnt	Code	Value and Description
AM General			
2	0.0	3401	Dispatcher (Post Office Jeep)
0	0.0	3421	Hummer
1	0.0	3466	Dispatcher DJ
0	0.0	3498	Other Light Truck
7	0.0	3499	Unk Light Truck
0	0.0	3884	Med/Hvy Truck
0	0.0	3898	Other Med/Hvy Truck
3	0.0	3899	Unk Med/Hvy Truck
0	0.0	3983	Bus rear engine
2	0.0	3988	Other Bus
2	0.0	3989	Unknown bus type
3	0.0	3999	Unknown vehicle
Chrysler			
7	0.0	6009	Cordoba
108	0.1	6010	Newport/New Yorker (thru 78)/5th Avenue/Imperial (79-81)
47	0.0	6014	New Yorker/E-Class/Imperial (90-on)/Fifth Avenue
5	0.0	6015	Laser
95	0.1	6016	Lebaron
14	0.0	6017	Lebaron GTS/GTC
2	0.0	6031	TC Maserati Sport
2	0.0	6035	Conquest
62	0.1	6041	Concorde
42	0.0	6042	LHS
65	0.1	6043	Sebring
43	0.0	6044	Cirrus
5	0.0	6398	Other Auto
753	0.8	6399	Unk Auto
79	0.1	6441	Town & Country (Minivan)
0	0.0	6498	Other Light Truck
26	0.0	6499	Unk Light Truck
9	0.0	6999	Unknown vehicle
Dodge			
9	0.0	7001	Dart
4	0.0	7002	Coronet/Magnum/Charger(thru 78)
0	0.0	7003	Polara/Monaco/Royal Monaco
1	0.0	7004	Viper
1	0.0	7005	Challenger
9	0.0	7006	Aspen
23	0.0	7007	Diplomat
52	0.1	7008	Omni/Charger(83 on)
1	0.0	7009	Mirada
1	0.0	7010	St Regis
78	0.1	7011	Aries (K)
0	0.0	7012	400
1	0.0	7013	Rampage (car-based pickup)
18	0.0	7014	600
66	0.1	7015	Daytona
14	0.0	7016	Lancer
150	0.2	7017	Shadow

Variable 110:MAKE/MODEL (Continued)

1998 Prcnt		Code	Value and Description
115	0.1	7018	Dynasty
115	0.1	7019	Spirit
265	0.3	7020	Neon
0	0.0	7033	Challenger (import)
65	0.1	7034	Colt (excludes Vista)
1	0.0	7035	Conquest
19	0.0	7039	Stealth
5	0.0	7040	Monaco
191	0.2	7041	Intrepid
57	0.1	7042	Avenger
87	0.1	7043	Stratus
1	0.0	7398	Other Auto
1096	1.1	7399	Unk Auto
9	0.0	7401	Raider
32	0.0	7402	Durango
25	0.0	7421	Ramchager
3	0.0	7441	Vista
528	0.5	7442	Caravan
54	0.1	7461	B-series Van
1	0.0	7470	Van Derivative
29	0.0	7471	D50,Colt Pickup,Ram 50/100
233	0.2	7472	Dakota
53	0.1	7481	D,W-series Pickup
181	0.2	7482	Ram 1500/2500/3500 P/U
9	0.0	7498	Other lt Truck
1571	1.6	7499	Unk lt Truck
0	0.0	7881	Med/hvy CBE
0	0.0	7882	DODGE Med/hvy COE low entry
0	0.0	7883	Med/hvy COE high entry
2	0.0	7884	Med/hvy unk engine location
0	0.0	7890	Med/hvy COE unk entry position
1	0.0	7898	Other med/hvy truck
13	0.0	7899	Unk med/hvy truck
0	0.0	7981	Medium Bus (not van-based)
1	0.0	7988	Other Bus
2	0.0	7989	Unknown Bus
0	0.0	7998	Other Veh
106	0.1	7999	Unknown veh
Imperial			
0	0.0	8010	Imperial
0	0.0	8398	Other Auto
0	0.0	8399	Unk Auto
0	0.0	8999	Unk Veh
Plymouth			
16	0.0	9001	Valiant/Scamp/Duster(thru 76)
2	0.0	9002	Satellite/Belvedere
5	0.0	9003	Fury
11	0.0	9004	Gran Fury
1	0.0	9005	Barracuda
6	0.0	9006	Volare

Variable 110:MAKE/MODEL (Continued)

1998	Prcnt	Code	Value and Description
9	0.0	9007	Caravelle
61	0.1	9008	Horizon
70	0.1	9011	Reliant (K)
0	0.0	9013	Scamp-auto-based pickup
129	0.1	9017	Sundance
120	0.1	9019	Acclaim
152	0.2	9020	Neon
0	0.0	9031	Cricket
0	0.0	9032	Arrow
1	0.0	9033	Sapporo import
32	0.0	9034	Champ/Colt (excludes Vista)
1	0.0	9035	Conquest
27	0.0	9037	Laser
54	0.1	9038	Breeze
1	0.0	9039	Prowler
2	0.0	9398	Other Auto
724	0.7	9399	Unk Auto
2	0.0	9421	Trailduster
6	0.0	9441	Vista
195	0.2	9442	Voyager (minivan)
21	0.0	9461	B-series Van (fullsize)
0	0.0	9471	Arrow Pickup (foreign)
4	0.0	9498	Other lt truck
399	0.4	9499	Unk lt truck
48	0.0	9999	Unknown vehicle
Eagle			
27	0.0	10034	Summit
66	0.1	10037	Talon
19	0.0	10040	Premier
12	0.0	10041	Vision
0	0.0	10044	Medallion
0	0.0	10398	Other Auto
91	0.1	10399	Unk Auto
0	0.0	10441	Summit Wagon
0	0.0	10498	Other lt truck
1	0.0	10499	Unk lt truck
2	0.0	10999	Unk vehicle
Ford			
5	0.0	12001	Falcon
3	0.0	12002	Fairlane
672	0.7	12003	Mustang/Mustang II
480	0.5	12004	Thunderbird
18	0.0	12005	Ltd II
111	0.1	12006	Ltd/Galaxy/Custom
8	0.0	12007	Ranchero
9	0.0	12008	Maverick
6	0.0	12009	Pinto
3	0.0	12010	Torino/Gran Torino/Elite
14	0.0	12011	Granada
44	0.0	12012	Fairmont

Variable 110:MAKE/MODEL (Continued)

1998 Prcnt		Code	Value and Description
1052	1.1	12013	Escort/EXP
512	0.5	12015	Tempo
363	0.4	12016	Crown Victoria
1082	1.1	12017	Taurus
270	0.3	12018	Probe
0	0.0	12031	English Ford
3	0.0	12032	Fiesta
59	0.1	12033	Festiva
0	0.0	12034	Laser
166	0.2	12035	Contour
69	0.1	12036	Aspire
3	0.0	12398	Other Auto
3859	4.0	12399	Unk Auto
734	0.8	12401	Bronco II/Bronco(thru 77)/Explorer
111	0.1	12421	Bronco-fullsize (78 on)
57	0.1	12422	Expedition
367	0.4	12441	Aerostar
164	0.2	12442	Windstar
342	0.4	12461	E-series Van
4	0.0	12470	Van derivative
877	0.9	12471	Ranger
5	0.0	12472	Courier
1618	1.7	12481	F-series Pickup
20	0.0	12498	Other lt truck
3210	3.3	12499	Unk lt truck
1	0.0	12850	M/H truck-based motorhome
74	0.1	12881	Med/Hvy CBE
0	0.0	12882	Med/Hvy COE low entry
0	0.0	12883	Med/Hvy COE high entry
273	0.3	12884	Med/Hvy unk engine location
1	0.0	12890	Med/Hvy COE unk entry position
29	0.0	12898	Other Med/Hvy truck
582	0.6	12899	Unk Med/Hvy truck
0	0.0	12981	Medium Bus
8	0.0	12988	Other Bus
27	0.0	12989	Unknown bus type
12	0.0	12998	Other Vehicle
411	0.4	12999	Unknown vehicle
			Lincoln
363	0.4	13001	Town Car/Continental
53	0.1	13002	Mark I - VIII
31	0.0	13005	Continental (82 on)
1	0.0	13011	Versailles
0	0.0	13398	Other Auto
525	0.5	13399	Unk Auto
12	0.0	13421	Navigator
1	0.0	13499	Unk light truck
5	0.0	13999	Unk vehicle
			Mercury
0	0.0	14002	Cyclone

Variable 110:MAKE/MODEL (Continued)

1998	Prcnt	Code	Value and Description
11	0.0	14003	Capri-domestic
335	0.3	14004	Cougar/XR7
300	0.3	14006	Marquis/Monterey
2	0.0	14008	Comet
1	0.0	14009	Bobcat
0	0.0	14010	Montego
3	0.0	14011	Monarch
7	0.0	14012	Zephyr
15	0.0	14013	Lynx/LN7 (82-83)
136	0.1	14015	Topaz
314	0.3	14017	Sable
13	0.0	14031	Capri-foreign
0	0.0	14033	Pantera
144	0.1	14036	Tracer
63	0.1	14037	Mystique
1	0.0	14038	Cougar (99-on)
3	0.0	14398	Other Auto
1054	1.1	14399	Unknown Auto
21	0.0	14401	Mountaineer
99	0.1	14443	Villager
2	0.0	14498	Oth lt truck
16	0.0	14499	Unk lt truck
0	0.0	14998	Other vehicle
14	0.0	14999	Unknown vehicle
Buick			
6	0.0	18001	Special/Skylark
394	0.4	18002	Lesabre/Wildcat/Centurion
218	0.2	18003	Electra/Electra 225/Park Avenue (91 on)
39	0.0	18004	Roadmaster
72	0.1	18005	Riviera
296	0.3	18007	Century
2	0.0	18008	Apollo/Skylark (75)
142	0.1	18010	Regal
32	0.0	18012	Skyhawk
41	0.0	18015	Skylark (76-85)
141	0.1	18018	Somerset/Skylark(86 on)
172	0.2	18020	Regal FWD
3	0.0	18021	Reatta
0	0.0	18031	Opel Kadette
0	0.0	18032	Opel Manta
0	0.0	18033	Opel GT
0	0.0	18034	Opel Isuzu
0	0.0	18398	Other Auto
1503	1.5	18399	Unk Auto
3	0.0	18999	Unk vehicle
Cadillac			
428	0.4	19003	Deville/Fleetwood (except Limousine)
15	0.0	19004	Limousine
72	0.1	19005	Eldorado
1	0.0	19006	Commercial Series

Variable 110:MAKE/MODEL (Continued)

1998	Prcnt	Code	Value and Description
4	0.0	19009	Allante'
100	0.1	19014	Seville
13	0.0	19016	Cimarron
9	0.0	19017	Catera (RWD)
8	0.0	19398	Other Auto
623	0.6	19399	Unk Auto
0	0.0	19999	Unk vehicle
			Chevrolet
67	0.1	20001	Malibu/Chevelle
514	0.5	20002	Caprice/Impala
59	0.1	20004	Corvette
2	0.0	20006	Corvair
46	0.0	20007	El Camino
47	0.0	20008	Nova (-79)
499	0.5	20009	Camaro
135	0.1	20010	Monte Carlo
0	0.0	20011	Vega
3	0.0	20012	Monza
34	0.0	20013	Chevette
20	0.0	20015	Citation
1063	1.1	20016	Cavalier
283	0.3	20017	Celebrity
611	0.6	20019	Baretta/Corsica
473	0.5	20020	Lumina
38	0.0	20031	Spectrum
322	0.3	20032	Nova/Geo Prizm
11	0.0	20033	Sprint/Geo Sprint
158	0.2	20034	Geo Metro
96	0.1	20035	Geo Storm
53	0.1	20036	Monte Carlo (FWD only)
65	0.1	20037	Malibu
6	0.0	20398	Other Auto
3776	3.9	20399	Unk Auto
111	0.1	20401	S-10 Blazer
85	0.1	20402	Geo Tracker
113	0.1	20421	Blazer-fullsize
324	0.3	20431	Suburban
265	0.3	20441	Astro Van
51	0.1	20442	Lumina APV
15	0.0	20443	Ventura
94	0.1	20461	G-series Van
2	0.0	20466	P-series Van
7	0.0	20470	Van Derivative
649	0.7	20471	S-10,T-10
7	0.0	20472	LUV imported PU
1300	1.3	20481	C,K,R,V-series Pickup
38	0.0	20498	Other lt truck
3655	3.8	20499	Unk lt truck
0	0.0	20850	M/H truck-based motorhome
3	0.0	20881	Med/Hvy CBE
0	0.0	20882	Med/Hvy COE low entry

Variable 110:MAKE/MODEL (Continued)

1998	Prcnt	Code	Value and Description
1	0.0	20883	Med/Hvy COE high entry
7	0.0	20884	Med/Hvy Unk engine location
0	0.0	20890	Med/Hvy COE Unk entry position
9	0.0	20898	Other med/hvy trk
145	0.1	20899	Unk med/hvy trk
1	0.0	20981	Bus S-60 series
5	0.0	20988	Other Bus
16	0.0	20989	Unknown bus type
2	0.0	20998	Other Vehicle
164	0.2	20999	Unknown vehicle
Oldsmobile			
437	0.4	21001	Cutlass (RWD only)
389	0.4	21002	Delta 88
178	0.2	21003	Ninety-Eight
29	0.0	21005	Toronado
0	0.0	21006	Commercial Series
0	0.0	21012	Starfire
20	0.0	21015	Omega
19	0.0	21016	Firenza
142	0.1	21017	Ciera
54	0.1	21018	Calais
389	0.4	21020	Cutlass (FWD)
81	0.1	21021	Achieva
18	0.0	21022	Aurora
9	0.0	21023	Intrigue
1	0.0	21398	Other Auto
1486	1.5	21399	Unknown Auto
28	0.0	21401	Bravada
27	0.0	21441	Silhouette
1	0.0	21498	Other lt trk
21	0.0	21499	Unk lt trk
0	0.0	21998	Other vehicle
13	0.0	21999	Unknown vehicle
Pontiac			
16	0.0	22001	Lemans/Tempest (thru 79)
321	0.3	22002	Bonneville/Catalina/Parisienne
31	0.0	22005	Fiero
1	0.0	22008	Ventura
227	0.2	22009	Firebird/Trans AM
55	0.1	22010	Grand Prix RWD
0	0.0	22011	Astre
2	0.0	22012	Sunbird (thru 80)
5	0.0	22013	T-1000/1000
6	0.0	22015	Phoenix
310	0.3	22016	J2000/2000/Sunbird(84 on)
104	0.1	22017	6000
646	0.7	22018	Grand AM
287	0.3	22020	Grand Prix FWD
52	0.1	22031	Lemans (88 on)
1	0.0	22398	Other Auto

Variable 110:MAKE/MODEL (Continued)

1998	Prcnt	Code	Value and Description
1671	1.7	22399	Unk Auto
62	0.1	22441	Trans Sport
1	0.0	22498	Other lt trk
30	0.0	22499	Unk lt trk
17	0.0	22999	Unknown vehicle
		GMC	
1	0.0	23007	Caballero/Sprint
1	0.0	23398	Other Auto
40	0.0	23399	Unk Auto
27	0.0	23401	Jimmy/Typhoon S-15 based
53	0.1	23421	Jimmy fullsize/Yukon
99	0.1	23431	Suburban
88	0.1	23441	Safari (Minivan)
56	0.1	23461	G-series Van
0	0.0	23466	P-series Van
2	0.0	23470	Van Derivative
119	0.1	23471	S15/T15/Somona
369	0.4	23481	C,K,R,V-series Pickup
12	0.0	23498	Other lt truck
1082	1.1	23499	Unk lt truck
30	0.0	23881	Med/Hvy CBE
0	0.0	23882	Med/Hvy COE low entry
1	0.0	23883	Med/Hvy COE high entry
199	0.2	23884	Med/Hvy Unk engine location
0	0.0	23890	Med/Hvy COE Unk entry postion
9	0.0	23898	Other med/hvy trk
296	0.3	23899	Unk med/hvy trk
0	0.0	23981	Bus B6000
2	0.0	23988	Other Bus
14	0.0	23989	Unknown bus type
104	0.1	23999	Unknown vehicle
		Saturn	
265	0.3	24001	SL
62	0.1	24002	SC
12	0.0	24003	SW
0	0.0	24004	EV1
1	0.0	24398	Other Auto
478	0.5	24399	Unk Auto
0	0.0	24999	Unk vehicle
		Grumman	
19	0.0	25441	LLV
0	0.0	25442	Step-in van
0	0.0	25498	Other lt truck
5	0.0	25499	Unk lt truck
0	0.0	25881	Med/Hvy CBE
0	0.0	25882	Med/Hvy COE low entry
0	0.0	25883	Med/Hvy COE high entry
0	0.0	25884	Med/Hvy Unk engine location
0	0.0	25890	Med/Hvy COE Unk entry postion

Variable 110:MAKE/MODEL (Continued)

1998	Prcnt	Code	Value and Description
0	0.0	25898	Other med/hvy trk
1	0.0	25899	Unk med/hvy trk
0	0.0	25983	Bus flat front, rear engine
0	0.0	25988	Other Bus
0	0.0	25989	Unknown bus type
1	0.0	25999	Unk vehicle
			Other Domestic
0	0.0	29001	Studebaker/Avanti
0	0.0	29002	Checker
1	0.0	29398	Other make
1	0.0	29399	Unknown make
			Volkswagen
4	0.0	30031	Karmann Ghia
19	0.0	30032	Beetle 1300/1500
5	0.0	30033	Super Beetle
0	0.0	30034	411/412
1	0.0	30035	Squareback/Fastback
21	0.0	30036	Rabbit
1	0.0	30037	Dasher
11	0.0	30038	Scirocco
88	0.1	30040	Jetta
10	0.0	30041	Quantum
34	0.0	30042	Golf
2	0.0	30043	Rabbit Pickup
23	0.0	30044	Fox
2	0.0	30045	Corrado
28	0.0	30046	Passat
89	0.1	30047	Jetta III
28	0.0	30048	Golf III
4	0.0	30050	
0	0.0	30398	Other Auto
339	0.3	30399	Unk Auto
0	0.0	30401	The Thing (181)
15	0.0	30441	Vanagon/Camper
0	0.0	30442	Eurovan
0	0.0	30498	Other lt truck
15	0.0	30499	Unk lt truck
1	0.0	30998	Other vehicle
5	0.0	30999	Unk vehicle
			Alfa Romeo
2	0.0	31031	Spider
0	0.0	31032	Sports Sedan
0	0.0	31033	Sprint Veloce
0	0.0	31034	GTV-6
0	0.0	31035	164
0	0.0	31398	Other Auto
6	0.0	31399	Unk Auto
0	0.0	31999	Unk vehicle

Variable 110:MAKE/MODEL (Continued)

1998	Prcnt	Code	Value and Description
			Audi
0	0.0	32031	Super 90
14	0.0	32032	100/A6
1	0.0	32033	Fox
6	0.0	32034	4000
18	0.0	32035	5000
8	0.0	32036	80/90
1	0.0	32037	200
0	0.0	32038	V-8 Quattro
0	0.0	32039	Coupe Quattro
1	0.0	32040	S4/S6
0	0.0	32041	Cabriolet
9	0.0	32042	A4
0	0.0	32043	A3
1	0.0	32044	A8
0	0.0	32398	Other Auto
72	0.1	32399	Unk Auto
0	0.0	32999	Unk vehicle
			Austin/Austin Healey
0	0.0	33031	Marina
0	0.0	33032	America
0	0.0	33033	Healey Sprite
0	0.0	33034	Healey 3000
0	0.0	33035	Mini
0	0.0	33398	Other Auto
0	0.0	33399	Unk Auto
0	0.0	33999	Unk vehicle
			BMW
2	0.0	34031	1600,200Z
0	0.0	34032	Coupe
0	0.0	34033	Bavarian Sedan
127	0.1	34034	3-series
61	0.1	34035	5-series
0	0.0	34036	6-series
27	0.0	34037	7-series
1	0.0	34038	8-series
5	0.0	34039	Z3
3	0.0	34398	Other Auto
205	0.2	34399	Unk Auto
0	0.0	34701	0-50cc
0	0.0	34702	51-124cc
0	0.0	34704	350-449cc
1	0.0	34705	450-749cc
1	0.0	34706	750cc & over
14	0.0	34709	Unk cc
0	0.0	34799	Unk motorcycle
0	0.0	34999	Unk vehicle
			Nissan/Datsun
1	0.0	35031	F-10

Variable 110:MAKE/MODEL (Continued)

1998	Prcnt	Code	Value and Description
170	0.2	35032	200SX/240SX
19	0.0	35033	B210/210/1200
117	0.1	35034	Z-car, ZX
2	0.0	35035	310
4	0.0	35036	510
0	0.0	35037	610
0	0.0	35038	710
477	0.5	35039	810/Maxima
0	0.0	35040	Roadster
0	0.0	35041	PL411/RL411
126	0.1	35042	Stanza
619	0.6	35043	Sentra
48	0.0	35044	Pulsar
0	0.0	35045	Micra
8	0.0	35046	NX 1600/2000
282	0.3	35047	Altima
4	0.0	35398	Other Auto
1335	1.4	35399	Unk Auto
173	0.2	35401	Pathfinder
1	0.0	35441	Van
1	0.0	35442	Axxess
57	0.1	35443	Quest
383	0.4	35471	Pickup
8	0.0	35472	Frontier
13	0.0	35498	Other lt truck
403	0.4	35499	Unk lt truck
0	0.0	35883	Med/Hvy COE high entry
2	0.0	35898	Other med/hvy truck
13	0.0	35899	Unk med/hvy truck
1	0.0	35998	Oth vehicle
63	0.1	35999	Unk vehicle
			Fiat
0	0.0	36031	124 Coupe/Sedan
5	0.0	36032	124 Spider/Racer
0	0.0	36033	Brava/131
0	0.0	36034	850 Coupe/Spider
0	0.0	36035	128
0	0.0	36036	X-1/9
0	0.0	36037	Strada
0	0.0	36398	Other auto
0	0.0	36399	Unk auto
0	0.0	36882	Med/Hvy COE low entry
0	0.0	36883	Med/Hvy COE high entry
0	0.0	36890	Med/Hvy COE Unk Entry
0	0.0	36898	Other med/hvy truck
0	0.0	36899	Unk med/hvy truck
0	0.0	36999	Unknown vehicle
			Honda
1040	1.1	37031	Civic/CRX, del Sol
1587	1.6	37032	Accord

Variable 110:MAKE/MODEL (Continued)

1998	Prcnt	Code	Value and Description
163	0.2	37033	Prelude
0	0.0	37034	600
1	0.0	37398	Other Auto
1610	1.7	37399	Unk Auto
55	0.1	37401	Passport
24	0.0	37402	CR-V
21	0.0	37441	Odyssey
2	0.0	37498	Other light trk
6	0.0	37499	Unk light trk
2	0.0	37701	0-50cc
0	0.0	37702	51-124cc
1	0.0	37703	125-349cc
1	0.0	37704	350-449cc
6	0.0	37705	450-749cc
13	0.0	37706	750cc & over
284	0.3	37709	Unk cc
0	0.0	37731	ATC/ATV 0-50cc
0	0.0	37732	ATC/ATV 51-124cc
3	0.0	37733	ATC/ATV 125-349cc
1	0.0	37734	ATC/ATV 350cc & over
9	0.0	37739	ATC/ATV Unk cc
4	0.0	37799	Unk motored cycle
24	0.0	37999	Unk vehicle
		Isuzu	
10	0.0	38031	I-Mark
7	0.0	38032	Impulse
5	0.0	38033	Stylus
0	0.0	38398	Other Auto
99	0.1	38399	Unk Auto
70	0.1	38401	Trooper/Trooper II
133	0.1	38402	Rodeo
15	0.0	38403	Amigo
11	0.0	38441	Oasis
52	0.1	38471	P'up Pickup
3	0.0	38472	Hombre
4	0.0	38498	Other lt truck
108	0.1	38499	Unk lt truck
1	0.0	38881	Med/Hvy CBE
0	0.0	38882	Med/Hvy COE low entry
0	0.0	38883	Med/Hvy COE high entry
2	0.0	38884	Med/Hvy unk engine location
0	0.0	38890	Med/Hvy COE unk entry position
3	0.0	38898	Other med/hvy trk
93	0.1	38899	Unk med/hvy trk
0	0.0	38981	Bus conventional front engine
0	0.0	38982	Bus front engine/flat front
0	0.0	38983	Bus rear engine/flat front
0	0.0	38988	Other Bus
0	0.0	38998	Other veh
43	0.0	38999	Unk vehicle

Variable 110:MAKE/MODEL (Continued)

1998	Prcnt	Code	Value and Description
			Jaguar
3	0.0	39031	XJ-S Coupe
29	0.0	39032	XJ6/12 Sedan/Coupe
0	0.0	39033	XK-E
0	0.0	39034	X100
0	0.0	39398	Other Auto
52	0.1	39399	Unk Auto
0	0.0	39999	Unk vehicle
			Lancia
0	0.0	40031	Beta Sedan/HPE
0	0.0	40032	Beta Coupe/Zagato
0	0.0	40033	Scorpion
0	0.0	40398	Other Auto
0	0.0	40399	Unk Auto
0	0.0	40999	Unk vehicle
			Mazda
0	0.0	41031	RX2
0	0.0	41032	RX3
0	0.0	41033	RX4
44	0.0	41034	RX7
285	0.3	41035	GLC/323/Protege
0	0.0	41036	Cosmo
312	0.3	41037	626
0	0.0	41038	808
0	0.0	41039	Mizer
0	0.0	41040	R-100
0	0.0	41041	616/618
0	0.0	41042	1800
39	0.0	41043	929
87	0.1	41044	MX-6
43	0.0	41045	Miata
33	0.0	41046	MX-3
22	0.0	41047	Millenia
0	0.0	41398	Other auto
582	0.6	41399	Unk auto
10	0.0	41401	Navajo
65	0.1	41441	MPV
248	0.3	41471	Mazda Pickup
0	0.0	41498	Other lt truck
96	0.1	41499	Unk lt truck
14	0.0	41999	Unk vehicle
			Mercedes Benz
44	0.0	42031	200/220/230/240/250/260/280/300 Sedan/Coupe
0	0.0	42032	230/280 SL 2-pass
7	0.0	42033	300/350/380/450/500/560 SL 2-pass
0	0.0	42034	350/380/420/450/560 SLC
3	0.0	42035	280/300 SEL
12	0.0	42036	380/420/450/500/560 SEL, 500/560 SEC, 300/350 SDL
15	0.0	42037	300/380/450 SE

Variable 110:MAKE/MODEL (Continued)

1998	Prcnt	Code	Value and Description
0	0.0	42038	600,6.9 Sedan
29	0.0	42039	190
1	0.0	42040	300
2	0.0	42041	400/500 E
9	0.0	42042	C class (94-on)
1	0.0	42043	S class (94-on)
16	0.0	42044	SL class (94-on)
1	0.0	42045	SLK
0	0.0	42046	CL class
0	0.0	42047	CLK
2	0.0	42048	E class (96-on)
1	0.0	42398	Other auto
289	0.3	42399	Unk auto
6	0.0	42401	M class
2	0.0	42470	Van derivative
0	0.0	42498	Other lt truck
3	0.0	42499	Unk lt truck
0	0.0	42881	Med/Hvy CBE
0	0.0	42882	Med/Hvy COE low entry
0	0.0	42883	Med/Hvy COE high entry
2	0.0	42884	Med/Hvy unk engine location
0	0.0	42890	Med/Hvy COE unk entry position
0	0.0	42898	Oth med/hvy trk
6	0.0	42899	Unk med/hvy trk
0	0.0	42981	Medium Bus
0	0.0	42988	Other Bus
3	0.0	42999	Unk vehicle
		MG	
0	0.0	43031	Midget
0	0.0	43032	MGB (76-79)
3	0.0	43033	MGB GT (67-75)
0	0.0	43034	MGA
0	0.0	43035	TA/TC/TD/TF
0	0.0	43036	MGC
0	0.0	43398	Other auto
3	0.0	43399	Unk auto
0	0.0	43999	Unk vehicle
		Peugeot	
0	0.0	44031	304
0	0.0	44032	403
1	0.0	44033	404
5	0.0	44034	504/505
0	0.0	44035	604
2	0.0	44036	405
0	0.0	44398	Other auto
7	0.0	44399	Unk auto
0	0.0	44701	0-50cc
0	0.0	44702	51-124cc
0	0.0	44709	Unk cc
0	0.0	44799	Unk motored cycle

Variable 110:MAKE/MODEL (Continued)

1998	Prcnt	Code	Value and Description
0	0.0	44999	Unk vehicle
			Porsche
12	0.0	45031	911
0	0.0	45032	912
0	0.0	45033	914
3	0.0	45034	924
4	0.0	45035	928
0	0.0	45036	930
10	0.0	45037	944
0	0.0	45038	959
2	0.0	45039	968
0	0.0	45040	986
0	0.0	45398	Oth auto
29	0.0	45399	Unk auto
0	0.0	45999	Unk vehicle
			Renault
0	0.0	46031	LeCar
0	0.0	46032	Dauphine/10/R-8/Caravelle
0	0.0	46033	12
0	0.0	46034	15
0	0.0	46035	16
0	0.0	46036	17
0	0.0	46037	R18i
0	0.0	46038	Fuego
5	0.0	46039	Alliance/Encore/GTA/Convertible
0	0.0	46041	Alpine
0	0.0	46044	Medallion
0	0.0	46045	Premier
0	0.0	46398	Other auto
4	0.0	46399	Unk auto
0	0.0	46999	Unk vehicle
			Saab
48	0.0	47031	99/99E/900
0	0.0	47032	Sonnett
0	0.0	47033	95/96/97
11	0.0	47034	9000
0	0.0	47398	Other auto
75	0.1	47399	Unk auto
0	0.0	47999	Unk vehicle
			Subaru
72	0.1	48031	DL/FE/G/GF/GL/GLF/STD/Loyale(90 on)
0	0.0	48032	Star
0	0.0	48033	360
124	0.1	48034	Legacy
8	0.0	48035	XT/XT6
10	0.0	48036	Justy
4	0.0	48037	SVX
24	0.0	48038	Impreza

Variable 110:MAKE/MODEL (Continued)

1998	Prcnt	Code	Value and Description
1	0.0	48043	Brat
1	0.0	48398	Other auto
254	0.3	48399	Unk auto
7	0.0	48401	
1	0.0	48999	Unk vehicle
Toyota			
6	0.0	49031	Corona
826	0.8	49032	Corolla
275	0.3	49033	Celica
53	0.1	49034	Supra
54	0.1	49035	Cressida
0	0.0	49036	Crown
0	0.0	49037	Carina
352	0.4	49038	Tercel
2	0.0	49039	Starlet
1019	1.0	49040	Camry
27	0.0	49041	MR-2
41	0.0	49042	Paseo
61	0.1	49043	Avalon
1	0.0	49044	Solara
3	0.0	49398	Other auto
1842	1.9	49399	Unk auto
206	0.2	49401	4-Runner
40	0.0	49402	RAV-4
30	0.0	49421	Landcruiser
59	0.1	49441	Minivan (84-90)/Previa (91 on)
12	0.0	49442	Sienna
374	0.4	49471	Pickup
134	0.1	49472	Takoma
25	0.0	49481	T-100
13	0.0	49498	Other lt truck
664	0.7	49499	Unk lt truck
57	0.1	49999	Unk vehicle
Triumph			
0	0.0	50031	Spitfire
0	0.0	50032	GT-6
1	0.0	50033	TR4
1	0.0	50034	TR6
0	0.0	50035	TR7/TR8
0	0.0	50036	Herald
0	0.0	50037	Stag
0	0.0	50398	Other auto
5	0.0	50399	Unk auto
0	0.0	50701	0-50cc
0	0.0	50702	51-124 cc
0	0.0	50703	125-349 cc
0	0.0	50704	350-449 cc
0	0.0	50705	450-749 cc
0	0.0	50706	750cc & over
9	0.0	50709	Unk cc

Variable 110:MAKE/MODEL (Continued)

1998	Prcnt	Code	Value and Description
0	0.0	50799	Unk motored cycle
0	0.0	50999	Unk vehicle
			Volvo
0	0.0	51031	122
0	0.0	51032	142/144/145
1	0.0	51033	164
86	0.1	51034	240/242/244/245
0	0.0	51035	262/264/265
0	0.0	51036	1800
13	0.0	51038	760/780
53	0.1	51039	740
18	0.0	51040	940
10	0.0	51041	960
50	0.1	51042	850
8	0.0	51043	70 series
0	0.0	51044	90 series
3	0.0	51398	Other auto
251	0.3	51399	Unk auto
57	0.1	51881	Med/Hvy CBE
0	0.0	51882	Med/Hvy COE low entry
0	0.0	51883	Med/Hvy COE high entry
236	0.2	51884	Med/Hvy unk engine location
1	0.0	51890	Med/Hvy unk entry position
1	0.0	51898	Other med/hvy trk
82	0.1	51899	Unk med/hvy trk
0	0.0	51981	Medium bus
0	0.0	51988	Other bus
2	0.0	51999	Unk vehicle
			Mitsubishi
2	0.0	52031	Starion
4	0.0	52032	Tredia
3	0.0	52033	Cordia
120	0.1	52034	Galant
115	0.1	52035	Mirage
6	0.0	52036	Precis
194	0.2	52037	Eclipse
0	0.0	52038	Sigma
22	0.0	52039	3000 GT
35	0.0	52040	Diamante
1	0.0	52398	Other auto
350	0.4	52399	Unk auto
34	0.0	52401	Montero
2	0.0	52441	Minivan
5	0.0	52442	Expo Wagon
27	0.0	52471	Pickup
3	0.0	52498	Other lt truck
32	0.0	52499	Unk lt truck
5	0.0	52882	Med/Hvy COE low entry
1	0.0	52898	Other med/hvy truck
44	0.0	52899	Unk med/hvy truck

Variable 110:MAKE/MODEL (Continued)

1998	Prcnt	Code	Value and Description
0	0.0	52981	Bus conventional front engine
0	0.0	52982	Bus front engine/flat front
0	0.0	52983	Bus rear engine/flat front
0	0.0	52988	Other bus
17	0.0	52999	Unk vehicle
			Suzuki
0	0.0	53031	SA310
4	0.0	53034	Swift
11	0.0	53035	Esteem
0	0.0	53398	Other auto
43	0.0	53399	Unk auto
25	0.0	53401	Samarai
36	0.0	53402	Sidekick
2	0.0	53403	X-90
1	0.0	53498	Other lt truck
15	0.0	53499	Unk lt truck
0	0.0	53701	0-50cc
0	0.0	53702	51-124cc
1	0.0	53703	125-349cc
0	0.0	53704	350-449cc
3	0.0	53705	450-749cc
9	0.0	53706	750cc & over
130	0.1	53709	Unk cc
0	0.0	53731	ATC/ATV 0-50cc
0	0.0	53732	ATC/ATV 51-124cc
0	0.0	53733	ATC/ATV 125-349cc
1	0.0	53734	ATC/ATV 350cc & over
1	0.0	53739	ATC/ATV unk cc
2	0.0	53799	Unk motored cycle
5	0.0	53999	Unk vehicle
			Acura
213	0.2	54031	Integra
137	0.1	54032	Legend
6	0.0	54033	NSX
20	0.0	54034	Vigor/TL
8	0.0	54035	CL
0	0.0	54398	Other auto
257	0.3	54399	Unk auto
1	0.0	54401	SLX
1	0.0	54499	Unk light truck
0	0.0	54998	Other vehicle
0	0.0	54999	Unk vehicle
			Hyundai
0	0.0	55031	Pony
140	0.1	55032	Excel
49	0.1	55033	Sonata
29	0.0	55034	Scoupe
81	0.1	55035	Elantra
42	0.0	55036	Accent

Variable 110:MAKE/MODEL (Continued)

1998	Prcnt	Code	Value and Description
10	0.0	55037	Tiburon
0	0.0	55398	Other auto
258	0.3	55399	Unk auto
0	0.0	55999	Unk vehicle
			Merkur
1	0.0	56031	XR4Ti
1	0.0	56032	Scorpio
0	0.0	56398	Other auto
7	0.0	56399	Unk auto
0	0.0	56999	Unk vehicle
			Yugo
2	0.0	57031	GV
0	0.0	57398	Other auto
3	0.0	57399	Unk auto
0	0.0	57999	Unk vehicle
			Infiniti
1	0.0	58031	M30
23	0.0	58032	Q45
21	0.0	58033	G20
26	0.0	58034	J30
6	0.0	58035	I30
2	0.0	58398	Other auto
92	0.1	58399	Unk auto
4	0.0	58401	T30
0	0.0	58498	Other truck
2	0.0	58499	Unk light truck
0	0.0	58999	Unk vehicle
			Lexus
68	0.1	59031	ES-250/ES-300
24	0.0	59032	LS-400
13	0.0	59033	SC-400/SC-300
16	0.0	59034	GS-300/400
0	0.0	59398	Other auto
137	0.1	59399	Unk auto
4	0.0	59401	RX300
1	0.0	59421	LX-450 / LX-470
0	0.0	59498	Other light truck
0	0.0	59499	Unk light truck
0	0.0	59999	Unk vehicle
			Daihatsu
6	0.0	60031	Charade
1	0.0	60398	Other auto
14	0.0	60399	Unk auto
0	0.0	60401	Rocky
0	0.0	60498	Other lt trk
0	0.0	60499	Unk lt trk
0	0.0	60999	Unk vehicle

Variable 110:MAKE/MODEL (Continued)

1998	Prcnt	Code	Value and Description
			Sterling
5	0.0	61031	827S
1	0.0	61398	Other auto
5	0.0	61399	Unk auto
0	0.0	61999	Unk vehicle
			Land Rover
3	0.0	62401	Discovery (LR)
1	0.0	62402	Defender 90 (LR)
3	0.0	62421	County LWB (RR) / Country Classic (RR)
0	0.0	62422	4.0 SE (RR)
1	0.0	62498	Other light truck
16	0.0	62499	Unk light truck
0	0.0	62999	Unk vehicle
			KIA
44	0.0	63031	Sephia
0	0.0	63398	Other auto
46	0.0	63399	Unk auto
15	0.0	63401	Sportage
0	0.0	63498	Other light truck
0	0.0	63499	Unk light truck
1	0.0	63999	Unk vehicle
			Other Imports
0	0.0	69031	Aston Martin
0	0.0	69032	Bricklin
0	0.0	69033	Citroen
1	0.0	69034	Delorean
2	0.0	69035	Ferrari
0	0.0	69036	Hillman
0	0.0	69037	Jensen
0	0.0	69038	Lamborghini
1	0.0	69039	Lotus
0	0.0	69040	Maserati
0	0.0	69041	Morris
1	0.0	69042	Rolls Royce/Bentley
0	0.0	69044	Simca
0	0.0	69045	Sunbeam
1	0.0	69046	TVR
0	0.0	69048	Desta
0	0.0	69049	Reliant
0	0.0	69052	Bertone
0	0.0	69053	Lada
0	0.0	69398	Other make
1	0.0	69399	Unk make
			BSA
0	0.0	70701	0-50cc
0	0.0	70702	51-124cc
0	0.0	70703	125-349cc
0	0.0	70704	350-449cc

Variable 110:MAKE/MODEL (Continued)

1998	Prcnt	Code	Value and Description
0	0.0	70705	450-749cc
0	0.0	70706	750cc & over
1	0.0	70709	Unk cc
0	0.0	70798	Oth motored cycle
0	0.0	70799	Unk motorcycle
Ducati			
0	0.0	71701	0-50cc
0	0.0	71702	51-124cc
0	0.0	71703	125-349cc
0	0.0	71704	350-449cc
0	0.0	71705	450-749cc
0	0.0	71706	750cc & over
2	0.0	71709	Unk cc
0	0.0	71798	Oth motored cycle
0	0.0	71799	Unk motorcycle
Harley-Davidson			
1	0.0	72701	0-50cc
1	0.0	72702	51-124cc
0	0.0	72703	125-349cc
0	0.0	72704	350-449cc
0	0.0	72705	450-749cc
14	0.0	72706	750cc & over
223	0.2	72709	Unk cc
0	0.0	72798	Oth motored cycle
3	0.0	72799	Unk motorcycle
Kawasaki			
0	0.0	73701	0-50cc
1	0.0	73702	51-124cc
0	0.0	73703	125-349cc
1	0.0	73704	350-449cc
4	0.0	73705	450-749cc
10	0.0	73706	750cc & over
143	0.1	73709	Unk cc
0	0.0	73731	ATC/ATV 0-50cc
0	0.0	73732	ATC/ATV 51-124cc
3	0.0	73733	ATC/ATV 125-349cc
0	0.0	73734	ATC/ATV 350cc & over
4	0.0	73739	ATC/ATV unk cc
0	0.0	73798	Oth motored cycle
1	0.0	73799	Unk motorcycle
Moto-Guzzi			
0	0.0	74701	0-50cc
0	0.0	74702	51-124cc
0	0.0	74703	125-349cc
0	0.0	74704	350-449cc
0	0.0	74705	450-749cc
1	0.0	74706	750cc & over
2	0.0	74709	Unk cc

Variable 110:MAKE/MODEL (Continued)

1998	Prcnt	Code	Value and Description
0	0.0	74798	Oth motored cycle
0	0.0	74799	Unk motorcycle
			Norton
0	0.0	75701	0-50cc
0	0.0	75702	51-124cc
0	0.0	75703	125-349cc
0	0.0	75704	350-449cc
0	0.0	75705	450-749cc
0	0.0	75706	750cc & over
1	0.0	75709	Unk cc
0	0.0	75798	Oth motored cycle
0	0.0	75799	Unk motorcycle
			Yamaha
1	0.0	76701	0-50cc
0	0.0	76702	51-124cc
4	0.0	76703	125-349cc
0	0.0	76704	350-449cc
2	0.0	76705	450-749cc
6	0.0	76706	750cc & over
123	0.1	76709	Unk cc
0	0.0	76731	ATC/ATV 0-50cc
0	0.0	76732	ATC/ATV 51-124cc
1	0.0	76733	ATC/ATV 125-349cc
2	0.0	76734	ATC/ATV 350cc & over
3	0.0	76739	ATC/ATV unk cc
1	0.0	76798	Oth motored cycle
1	0.0	76799	Unk motorcycle
2	0.0	76998	Other vehicle
			Other Make Moped
0	0.0	78701	0-50cc
0	0.0	78702	51-124cc
0	0.0	78703	125-349cc
0	0.0	78704	350-449cc
0	0.0	78705	450-749cc
0	0.0	78706	750cc & over
12	0.0	78709	Unk cc
1	0.0	78798	Oth motored cycle
0	0.0	78799	Unk motorcycle
			Other Make Motored Cycle
0	0.0	79701	0-50cc
0	0.0	79702	51-124cc
0	0.0	79703	125-349cc
0	0.0	79704	350-449cc
0	0.0	79705	450-749cc
0	0.0	79706	750cc & over
10	0.0	79709	Unk cc
0	0.0	79731	ATC/ATV 0-50cc
0	0.0	79732	ATC/ATV 51-124cc

Variable 110:MAKE/MODEL (Continued)

1998	Prcnt	Code	Value and Description
1	0.0	79733	ATC/ATV 125-349cc
0	0.0	79734	ATC/ATV 350cc & over
2	0.0	79739	ATC/ATV unk cc
2	0.0	79798	Oth motored cycle
2	0.0	79799	Unk motorcycle
Brockway			
0	0.0	80850	M/H truck-based motorhome
0	0.0	80881	Med/Hvy CBE
0	0.0	80882	Med/Hvy COE low entry
0	0.0	80883	Med/Hvy COE high entry
1	0.0	80884	Med/Hvy Unk engine location
0	0.0	80890	Med/Hvy COE Unk entry position
0	0.0	80898	Other med/hvy trk
1	0.0	80899	Unk med/hvy trk
0	0.0	80950	Bus-based Motorhome
0	0.0	80988	Other bus
0	0.0	80989	Unknown bus type
0	0.0	80999	Unknown vehicle
Diamond Reo/Reo			
0	0.0	81850	M/H truck-based motorhome
1	0.0	81881	Med/Hvy CBE
0	0.0	81882	Med/Hvy COE low entry
0	0.0	81883	Med/Hvy COE high entry
1	0.0	81884	Med/Hvy Unk engine location
0	0.0	81890	Med/Hvy COE Unk entry position
0	0.0	81898	Other med/hvy trk
1	0.0	81899	Unk med/hvy trk
0	0.0	81950	Bus-based Motorhome
0	0.0	81988	Other bus
0	0.0	81989	Unknown bus type
0	0.0	81999	Unknown vehicle
Freightliner/White			
0	0.0	82850	M/H truck-based motorhome
379	0.4	82881	Med/Hvy CBE
1	0.0	82882	Med/Hvy COE low entry
4	0.0	82883	Med/Hvy COE high entry
1516	1.6	82884	Med/Hvy Unk engine location
38	0.0	82890	Med/Hvy COE Unk entry position
11	0.0	82898	Other med/hvy trk
265	0.3	82899	Unk med/hvy trk
0	0.0	82950	Bus-based Motorhome
0	0.0	82988	Other bus
0	0.0	82989	Unknown bus type
0	0.0	82998	Other vehicle
1	0.0	82999	Unknown vehicle
FWD			
0	0.0	83850	M/H truck-based motorhome
0	0.0	83881	Med/Hvy CBE

Variable 110:MAKE/MODEL (Continued)

1998	Prcnt	Code	Value and Description
0	0.0	83882	Med/Hvy COE low entry
0	0.0	83883	Med/Hvy COE high entry
1	0.0	83884	Med/Hvy Unk engine location
0	0.0	83890	Med/Hvy COE Unk entry position
0	0.0	83898	Other med/hvy trk
0	0.0	83899	Unk med/hvy trk
0	0.0	83950	Bus-based Motorhome
0	0.0	83988	Other bus
0	0.0	83989	Unknown bus type
0	0.0	83999	Unknown vehicle
International Harvester/Navistar			
5	0.0	84421	Scout
0	0.0	84431	Travelall
0	0.0	84466	Multistop Van
5	0.0	84481	Pickup
0	0.0	84498	Other lt trk
6	0.0	84499	Unk lt trk
0	0.0	84850	M/H truck-based motorhome
120	0.1	84881	Med/Hvy CBE
0	0.0	84882	Med/Hvy COE low entry
2	0.0	84883	Med/Hvy COE high entry
1000	1.0	84884	Med/Hvy unk engine location
33	0.0	84890	Med/Hvy COE unk entry position
31	0.0	84898	Other med/hvy trk
841	0.9	84899	Unk med/hvy trk
0	0.0	84950	Bus-based Motorhome
0	0.0	84981	Conventional Bus
0	0.0	84982	Bus-flat front, front engine
0	0.0	84983	Bus-flat front, rear engine
33	0.0	84988	Other bus
74	0.1	84989	Unknown bus type
7	0.0	84998	Other vehicle
5	0.0	84999	Unk vehicle
Kenworth			
0	0.0	85850	M/H truck-based motorhome
106	0.1	85881	Med/Hvy CBE
1	0.0	85882	Med/Hvy COE low entry
4	0.0	85883	Med/Hvy COE high entry
632	0.6	85884	Med/Hvy Unk engine location
4	0.0	85890	Med/Hvy COE Unk entry position
3	0.0	85898	Other med/hvy trk
111	0.1	85899	Unk med/hvy trk
0	0.0	85950	Bus-based Motorhome
0	0.0	85988	Other bus
0	0.0	85989	Unknown bus type
1	0.0	85999	Unknown
Mack			
0	0.0	86850	M/H truck-based motorhome

Variable 110:MAKE/MODEL (Continued)

1998	Prcnt	Code	Value and Description
65	0.1	86881	Med/Hvy CBE
0	0.0	86882	Med/Hvy COE low entry
1	0.0	86883	Med/Hvy COE high entry
369	0.4	86884	Med/Hvy Unk engine location
7	0.0	86890	Med/Hvy COE Unk entry position
21	0.0	86898	Other med/hvy trk
446	0.5	86899	Unk med/hvy trk
0	0.0	86950	Bus-based Motorhome
0	0.0	86988	Other bus
0	0.0	86989	Unknown bus type
1	0.0	86998	Other vehicle
0	0.0	86999	Unknown
Peterbilt			
0	0.0	87850	M/H truck-based motorhome
221	0.2	87881	Med/Hvy CBE
1	0.0	87882	Med/Hvy COE low entry
0	0.0	87883	Med/Hvy COE high entry
543	0.6	87884	Med/Hvy Unk engine location
6	0.0	87890	Med/Hvy COE Unk entry position
2	0.0	87898	Other med/hvy trk
117	0.1	87899	Unk med/hvy trk
0	0.0	87950	Bus-based Motorhome
0	0.0	87988	Other bus
0	0.0	87989	Unknown bus type
0	0.0	87999	Unknown
Iveco/Magirus			
0	0.0	88850	M/H truck-based motorhome
0	0.0	88881	Med/Hvy CBE
0	0.0	88882	Med/Hvy COE low entry
0	0.0	88883	Med/Hvy COE high entry
2	0.0	88884	Med/Hvy Unk engine location
0	0.0	88890	Med/Hvy COE Unk entry position
0	0.0	88898	Other med/hvy trk
5	0.0	88899	Unk med/hvy trk
0	0.0	88950	Bus-based Motorhome
0	0.0	88988	Other bus
0	0.0	88989	Unknown bus type
0	0.0	88999	Unknown
Other Make			
16	0.0	98801	AUTOCAR
7	0.0	98802	AUTO-UNION-DKW
0	0.0	98803	DIVCO
76	0.1	98804	WESTERN STAR
9	0.0	98805	OSHKOSH
25	0.0	98806	HINO
0	0.0	98807	SCANIA
3	0.0	98850	M/H truck-based motorhome
97	0.1	98898	Other med/hvy trk
9	0.0	98902	NEOPLAN Bus

Variable 110:MAKE/MODEL (Continued)

1998 Prcnt	Code	Value and Description
5	0.0	98950 Bus-based Motorhome
51	0.1	98988 Other bus
63	0.1	98989 Unknown bus type
50	0.1	98998 Other vehicle
0	0.0	98999 Unk vehicle
Unknown Make		
513	0.5	99399 Unknown automobile
235	0.2	99499 Unknown light truck
0	0.0	99701 Motorcycle 0-50cc
0	0.0	99702 Motorcycle 51-124cc
0	0.0	99703 Motorcycle 125-349cc
0	0.0	99704 Motorcycle 350-449cc
0	0.0	99705 Motorcycle 450-749cc
0	0.0	99706 Motorcycle 750cc & over
25	0.0	99709 Unknown cc
0	0.0	99731 ATC/ATV 0-50cc
0	0.0	99732 ATC/ATV 51-124cc
0	0.0	99733 ATC/ATV 125-349cc
0	0.0	99734 ATC/ATV 350-449cc
0	0.0	99739 ATC/ATV unk cc
1	0.0	99798 Other motored cycle
4	0.0	99799 Unknown motored cycle
0	0.0	99850 M/H truck-based motorhome
0	0.0	99881 Med/Hvy CBE
0	0.0	99882 Med/Hvy COE low entry
0	0.0	99883 Med/Hvy COE high entry
0	0.0	99884 Med/Hvy unk engine location
0	0.0	99890 Med/Hvy COE unk entry position
0	0.0	99898 Other med/hvy trk
377	0.4	99899 Unk med/hvy trk
0	0.0	99950 Bus-based Motorhome
0	0.0	99981 Conventional bus
0	0.0	99982 Bus front engine
0	0.0	99983 Bus rear engine
0	0.0	99988 Other bus
50	0.1	99989 Unknown bus type
18	0.0	99998 Other vehicle
1028	1.1	99999 Unk vehicle

Variable 111	MODEL YEAR	Width: 4	Type: Numeric
		Dec: None	Miss: 9999

1998 Prcnt	Code	Value and Description
4	0.0	1940 1940 and earlier
		-
3217	3.3	1985 1985
4108	4.2	1986 1986
4615	4.7	1987 1987

Variable 111:MODEL YEAR (Continued)

1998 Prcnt	Code	Value	Description
5434	5.6	1988	1988
5867	6.0	1989	1989
5651	5.8	1990	1990
5586	5.7	1991	1991
5861	6.0	1992	1992
6664	6.8	1993	1993
7393	7.6	1994	1994
8448	8.7	1995	1995
7364	7.6	1996	1996
7936	8.2	1997	1997
5909	6.1	1998	1998
493	0.5	1999	1999
2987	3.1	9999	Unknown

Variable 112	BODY TYPE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

1998 Prcnt	Code	Value	Description
Automobiles			
198	0.2	1	Convertible (excludes sun roof, t-bar)
10694	11.0	2	2-door sedan, hardtop, coupe
1282	1.3	3	3-door/2-door hatchback
21802	22.4	4	4-door sedan, hardtop
443	0.5	5	5-door/4-door hatchback
2010	2.1	6	Station wagon (excluding van and truck based)
131	0.1	7	Hatchback, number of doors unknown
0	0.0	8	Other automobile type
21547	22.1	9	Unknown automobile type
Automobile Derivatives			
46	0.0	10	Auto-based pickup (includes El Camino, Caballero, Ranchero, Brat)
2	0.0	11	Auto-based panel (cargo station wagon, auto-based Ambulance/Hearse)
1	0.0	12	Large limousine (more than four side doors or stretch chassis)
0	0.0	13	Three wheeled automobile or automobile derivative
Utility Vehicles			
2804	2.9	14	Compact utility (Jeep CJ-5, Renegade, Golden Eagle, Bronco, etc.)
423	0.4	15	Large utility (Jeep Cherokee, Ramcharger, Trailduster, etc.)
522	0.5	16	Utility station wagon (Chev. Suburban, GMC Suburban, Grand Wagoneer; also includes suburban limousine)
1569	1.6	19	Utility vehicle, unknown body type

Variable 112:BODY TYPE (Continued)

1998 Prcnt	Code	Value and Description
		Van-Based Light Trucks (<4,501 kg GVWR)
2263	2.3	20 Minivan (Astro, Caravan, Plymouth Vista, Aerostar, Safari, etc.)
559	0.6	21 Large van (Sportvan, Chevy Van, Club Wagon, Ford Econoline, etc.)
14	0.0	22 Step van or walk-in van (< 4,500 kg GVWR)
2	0.0	23 Van-based motorhome
14	0.0	24 Van-based school bus
4	0.0	25 Van-based other bus
3	0.0	28 Other van type (Hi-Cube, Kary)
3063	3.1	29 Unknown van type
		Lt Conventional Truck (P.U. style cab, <4,501 kg GVWR)
3201	3.3	30 Compact pickup
3568	3.7	31 Large pickup
20	0.0	32 Pickup with slide-in camper
0	0.0	33 Convertible pickup
5672	5.8	39 Unknown (pickup style) light conventional truck
		Other Light Trucks (<4,500 kg GVWR)
17	0.0	40 Cab chassis-based (includes rescue vehicle, light stake, dump, and tow truck)
5	0.0	41 Truck-based panel
2	0.0	42 Light truck-based motorhome (chassis mounted)
1	0.0	45 Other light truck type
1987	2.0	48 Unknown light truck type (utility, van, pickup, or other light truck)
566	0.6	49 Unknown light vehicle type (automobile, utility, van, or light truck)
		Buses (excludes van-based)
172	0.2	50 School bus (designed to carry students, not cross country or transit)
171	0.2	58 Other bus (e.g., transit intercity bus-based motorhome)
21	0.0	59 Unknown bus type
		Medium/Heavy Trucks (>4,500 kg GVWR)
79	0.1	60 Step Van
923	0.9	64 Single unit straight truck
4	0.0	65 Medium/heavy truck-based motorhome
6432	6.6	66 Truck-tractor (cab only, or with any number of trailing units)
2347	2.4	78 Unknown medium/heavy truck type
485	0.5	79 Unknown truck type (light/medium/heavy)
		Motored Cycles (Does not include ATVs/cycles)
1013	1.0	80 Motorcycle
40	0.0	81 Moped (motorized bicycle)
1	0.0	82 Three wheeled motorcycle or moped
12	0.0	88 Other motored cycle type (minibike, motorscooter)
20	0.0	89 Unknown motored cycle type

Variable 112:BODY TYPE (Continued)

1998 Prcnt	Code	Value and Description
		Other Vehicles
31	0.0	90 ATV (all terrain vehicle) and ATC (all terrain cycle)
4	0.0	91 Snowmobile
25	0.0	92 Farm equipment other than trucks
39	0.0	93 Construction equipment other than trucks (includes graders)
25	0.0	97 Other type vehicle (e.g., go-cart, fork lift, city street sweeper)
1083	1.1	99 Unknown body type

Variable 113 CARGO BODY TYPE Width: 2 Type: Numeric
Dec: None Miss: 99

1998 Prcnt	Code	Value and Description
		Coded for buses and trucks over 4,500 kg GVWR (V112 = 50-79)
85649	88.0	0 Not applicable
364	0.4	1 Bus
2277	2.3	2 Van/enclosed box
284	0.3	3 Cargo tank
744	0.8	4 Flatbed
705	0.7	5 Dump
82	0.1	6 Concrete mixer
51	0.1	7 Auto transporter
232	0.2	8 Garbage/refuse
589	0.6	98 Other
6385	6.6	99 Unknown cargo body type

Variable 114 NO OF AXLES ON VEH/TRAIL Width: 2 Type: Numeric
Dec: None Miss: 99

Number of axles on vehicle, including trailers

1998 Prcnt	Code	Value and Description
		Coded for buses and trucks over 4,500 kg GVWR (V112 = 50-79)
85649	88.0	0 Not applicable
0	0.0	1 1 axle
1052	1.1	2 2 axles
1461	1.5	3 3 axles
360	0.4	4 4 axles
2752	2.8	5 5 axles
192	0.2	6 6 axles
64	0.1	7 7 axles
32	0.0	8 8 axles
		-
1	0.0	19 19 axles
0	0.0	98 Other

Variable 114:NO OF AXLES ON VEH/TRAIL (Continued)

1998 Prcnt	Code	Value and Description
5711	5.9	99 Unknown

Variable 115	VIN	Width: 11	Type: Alphabetic
		Dec: None	Miss: None

Variable 116	SPECIAL USE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

Vehicle special use (this trip)

1998 Prcnt	Code	Value and Description
96549	99.2	0 No special use
77	0.1	1 Taxi
186	0.2	2 Vehicle used as school bus
176	0.2	3 Vehicle used as other bus
2	0.0	4 Military
198	0.2	5 Police
29	0.0	6 Ambulance
49	0.1	7 Fire truck and car
0	0.0	10 Hearse
25	0.0	11 Farm equipment
39	0.0	12 Construction equipment
32	0.0	99 Unknown

Variable 117	HAZ MATERIAL PLACARD NO	Width: 5	Type: Numeric
		Dec: None	Miss: 9999

Hazardous materials placard number

1998 Prcnt	Code	Value and Description
		Coded for buses and trucks over 4,500 kg GVWR (V112 = 50-79)
94721	97.3	0 Not applicable
1	0.0	1005 - Actual number
2	0.0	3257
1	0.0	9259
2555	2.6	9999 Unknown

<u>Variable 118</u>	<u>HAZ MATERIALS PLACARDED</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

Hazardous materials placarded

1998 Prcnt	Code	Value and Description
		Coded for buses and trucks over 4,500 kg GVWR (V112 = 50-79)
94716	97.3	0 Not applicable
161	0.2	1 Yes
5	0.0	2 No
2480	2.5	9 Unknown

<u>Variable 119</u>	<u>HAZ MATERIALS RELEASE</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

Hazardous materials release

1998 Prcnt	Code	Value and Description
		Coded for buses and trucks over 4,500 kg GVWR (V112 = 50-79)
94716	97.3	0 Not applicable
32	0.0	1 Yes
118	0.1	2 No
2496	2.6	9 Unknown

<u>Variable 120</u>	<u>EMERGENCY USE</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

1998 Prcnt	Code	Value and Description
97224	99.9	0 No
135	0.1	1 Yes
3	0.0	9 Unknown

<u>Variable 121</u>	<u>NUM OCC INVOLVED IN VEH</u>	Width: 2	Type: Numeric
		Dec: None	Miss: 99

Number of occupants involved

1998 Prcnt	Code	Value and Description
264	0.3	0 0 occupants involved
70304	72.2	1 1 occupant involved
17919	18.4	2 2 occupants involved
5378	5.5	3 3 occupants involved
2317	2.4	4 4 occupants involved
813	0.8	5 5 occupants involved
		-
1	0.0	30 30 occupants involved

Variable 122	TRAVEL SPEED	Width: 2	Type: Numeric
		Dec: None	Miss: 99

1998 Prcnt	Code	Value and Description
12442 12.8	0	Stopped vehicle
105 0.1	1	
	-	Actual travel speed (MPH)
1 0.0	95	
15 0.0	97	97 MPH or greater
56893 58.4	99	Unknown

Variable 123	VEHICLE CONTRIB FACTORS	Width: 2	Type: Numeric
		Dec: None	Miss: 99

Vehicle contributing factors

1998 Prcnt	Code	Value and Description
88580 91.0	0	No vehicle defects
454 0.5	1	Tires
454 0.5	2	Brake system
91 0.1	3	Steering system - tie rod, kingpin, ball joint, etc.
8 0.0	4	Suspension - springs, shock absorbers, macpherson struts
42 0.0	5	Power train - universal joint, drive shaft, transmission
1 0.0	6	Exhaust system
16 0.0	7	Headlights
17 0.0	8	Signal lights
28 0.0	9	Other lights
6 0.0	10	Wipers
40 0.0	11	Wheels
4 0.0	12	Mirrors
0 0.0	13	Driver seating and control
2 0.0	14	Body, doors
27 0.0	15	Trailer hitch
3315 3.4	50	Hit-and-run vehicle
113 0.1	97	Vehicle contributing factors - no details
212 0.2	98	Other vehicle contributing factors
3952 4.1	99	Unknown if vehicle has contributing factors

Variable 124	VEHICLE TRAILERING	Width: 1	Type: Numeric
		Dec: None	Miss: 9

1998 Prcnt	Code	Value and Description
90277 92.7	0	No
6691 6.9	1	Yes, one trailing unit
213 0.2	2	Yes, two trailing units
3 0.0	3	Yes, three or more trailing units
17 0.0	4	Yes, number of trailing units unknown
161 0.2	9	Unknown

General Estimates System (GES)
1998 - Vehicle

Variable 125	JACKKNIFE	Width: 1	Type: Numeric
		Dec: None	Miss: None

1998 Prcnt	Code	Value and Description
97058 99.7	0	No jackknife noted on PAR
304 0.3	1	Jackknife occurred

Variable 126	ROLLOVER	Width: 2	Type: Numeric
		Dec: None	Miss: 99

1998 Prcnt	Code	Value and Description
94030 96.6	0	No rollover
991 1.0	10	Untripped rollover
92 0.1	20	Tripped rollover - by curb
131 0.1	21	Tripped rollover - by guardrail
641 0.7	22	Tripped rollover - by ditch
45 0.0	23	Tripped rollover - by soft soil
1411 1.4	28	Tripped rollover - other
9 0.0	29	Tripped rollover - unknown mechanism
12 0.0	99	Rollover, unknown whether untripped or tripped

Variable 127	FIRE OCCURRENCE	Width: 1	Type: Numeric
		Dec: None	Miss: None

1998 Prcnt	Code	Value and Description
97227 99.9	0	No fire noted on PAR
135 0.1	1	Fire occurred in vehicle

Variable 128	INITIAL POINT OF IMPACT	Width: 2	Type: Numeric
		Dec: None	Miss: 99

1998 Prcnt	Code	Value and Description
2244 2.3	0	No damage/noncollision
43248 44.4	1	Front
15114 15.5	2	Rightside
15785 16.2	3	Leftside
18423 18.9	4	Back
120 0.1	5	Top
361 0.4	6	Undercarriage
50 0.1	11	Front right corner
88 0.1	12	Front left corner
6 0.0	13	Back right corner
10 0.0	14	Back left corner
1913 2.0	99	Initial point of impact unknown

<u>Variable 129</u>	<u>DAMAGE AREA #1</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

Damage for areas 1-5 listed in ascending numerical order

1998	Prcnt	Code	Value and Description
3363	3.5	0	No damage
54796	56.3	1	Front
13663	14.0	2	Rightside
11171	11.5	3	Leftside
10289	10.6	4	Back
158	0.2	5	Top
332	0.3	6	Undercarriage
227	0.2	7	All areas damaged
3363	3.5	9	Damaged areas unknown

<u>Variable 130</u>	<u>DAMAGE AREA #2</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

Damage for areas 1-5 listed in ascending numerical order

1998	Prcnt	Code	Value and Description
34924	35.9	0	No damage
0	0.0	1	Front
22406	23.0	2	Rightside
13427	13.8	3	Leftside
7457	7.7	4	Back
553	0.6	5	Top
665	0.7	6	Undercarriage
0	0.0	7	All areas damaged
17930	18.4	9	Damaged areas unknown

<u>Variable 131</u>	<u>DAMAGE AREA #3</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

Damage for areas 1-5 listed in ascending numerical order

1998	Prcnt	Code	Value and Description
57823	59.4	0	No damage
0	0.0	1	Front
0	0.0	2	Rightside
11173	11.5	3	Leftside
3358	3.4	4	Back
546	0.6	5	Top
622	0.6	6	Undercarriage
0	0.0	7	All areas damaged
23840	24.5	9	Damaged areas unknown

<u>Variable 132</u>	<u>DAMAGE AREA #4</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

Damage for areas 1-5 listed in ascending numerical order

1998	Prcnt	Code	Value and Description
68796	70.7	0	No damage
0	0.0	1	Front
0	0.0	2	Rightside
0	0.0	3	Leftside
2405	2.5	4	Back
778	0.8	5	Top
532	0.5	6	Undercarriage
0	0.0	7	All areas damaged
24851	25.5	9	Damaged areas unknown

<u>Variable 133</u>	<u>DAMAGE AREA #5</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

Damage for areas 1-5 listed in ascending numerical order

1998	Prcnt	Code	Value and Description
71401	73.3	0	No damage
0	0.0	1	Front
0	0.0	2	Rightside
0	0.0	3	Leftside
0	0.0	4	Back
605	0.6	5	Top
190	0.2	6	Undercarriage
0	0.0	7	All areas damaged
25166	25.8	9	Damaged areas unknown

<u>Variable 134</u>	<u>DAMAGE SEVERITY</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

1998	Prcnt	Code	Value and Description
3320	3.4	0	None
19285	19.8	1	Minor
23163	23.8	2	Functional (moderate)
21343	21.9	3	Disabling (severe)
30251	31.1	9	Unknown

Variable 135	MANNER OF LEAVING SCENE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

1998 Prcnt	Code	Value and Description
48193	49.5	1 Driven away
43487	44.7	2 Towed due to damage
747	0.8	3 Towed not due to damage
801	0.8	4 Abandoned
4134	4.2	9 Unknown if towed

Variable 136	MOST HARMFUL EVENT	Width: 2	Type: Numeric
		Dec: None	Miss: 99

1998 Prcnt	Code	Value and Description
NonCollision		
1715	1.8	1 Rollover/overturn
62	0.1	2 Fire/explosion
15	0.0	3 Immersion
57	0.1	5 Jackknife
55	0.1	6 Noncollision injury
364	0.4	8 Other noncollision
5	0.0	9 Noncollision - no details
33	0.0	10 Thrown or falling object
Collision with Object Not Fixed		
1428	1.5	21 Pedestrian
1124	1.2	22 Cycle or cyclist (pedalcycle or pedalcyclist)
25	0.0	23 Railway train
1304	1.3	24 Animal
77046	79.1	25 Motor vehicle in transport
1735	1.8	26 Parked motor vehicle (or motor vehicle not in transport)
41	0.0	27 Other type nonmotorist
559	0.6	28 Other object not fixed
4	0.0	29 Object not fixed - no details
Collision with Fixed Object		
14	0.0	31 Ground
91	0.1	32 Building
17	0.0	33 Impact attenuator or crash cushion
147	0.2	34 Bridge structure (pier/abutment/parapet end)
772	0.8	35 Guardrail
533	0.5	36 Concrete traffic barrier or other longitudinal barrier type
1300	1.3	37 Post, pole or support (sign post, utility post)
788	0.8	38 Culvert or ditch
231	0.2	39 Curb
319	0.3	40 Embankment
248	0.3	41 Fence
125	0.1	42 Wall
68	0.1	43 Fire hydrant
26	0.0	44 Shrubbery or bush
1115	1.1	45 Tree
50	0.1	46 Boulder

Variable 136: MOST HARMFUL EVENT (Continued)

1998 Prcnt	Code	Value and Description
32	0.0	50 Pavement surface irregularity (ruts, potholes, grates, plates, etc.)
343	0.4	58 Other fixed object
37	0.0	59 Fixed object - no details
5534	5.7	99 Unknown most harmful event

Variable 137	PRIOR TO CRITICAL EVENT	Width: 2	Type: Numeric
		Dec: None	Miss: 99

Movement prior to critical event (Precrash 1)

1998 Prcnt	Code	Value and Description
286	0.3	0 No driver present
56809	58.3	1 Going straight
4684	4.8	2 Decelerating in traffic lane
985	1.0	3 Starting in traffic lane
11368	11.7	4 Stopped in traffic lane
1060	1.1	5 Passing or overtaking another vehicle
122	0.1	6 Disabled or parked in travel lane
266	0.3	7 Leaving a parked position
97	0.1	8 Entering a parked position
2747	2.8	10 Turning right
9134	9.4	11 Turning left
450	0.5	12 Making U-turn
747	0.8	13 Backing up (other than parking purposes)
1288	1.3	15 Negotiating a curve
2906	3.0	16 Changing lanes
350	0.4	17 Merging
48	0.0	18 Successful corrective action to a previous critical event
3232	3.3	98 Other
783	0.8	99 Unknown

Variable 138	CRITICAL EVENT	Width: 3	Type: Numeric
		Dec: None	Miss: 999

Critical event (Precrash 2)

1998 Prcnt	Code	Value and Description
423	0.4	0 Not applicable/no collision
		I. CRITICAL EVENT INITIATED BY THIS VEHICLE
		Loss of Control Due To:
244	0.3	10 Blow out or flat tire
9	0.0	20 Stalled engine
293	0.3	30 Disabling vehicle failure (e.g. wheel fell off)

Variable 138:CRITICAL EVENT (Continued)

1998	Prcnt	Code	Value and Description
42	0.0	40	Minor vehicle failure
1571	1.6	50	Poor road conditions (puddle, pothole, ice, etc.)
2229	2.3	60	Excessive speed
1946	2.0	99	Other or unknown reason
Traveling over Edge of Roadway:			
1526	1.6	100	Over left edge of roadway
3367	3.5	101	Over right edge of roadway
166	0.2	102	End departure
237	0.2	199	Unknown which edge
In Another Vehicle's Lane:			
270	0.3	200	Stopped
18	0.0	210	Traveling in same direction with lower speed
15	0.0	215	Traveling in same direction while decelerating
10616	10.9	220	Traveling in same direction with higher speed
581	0.6	230	Traveling in opposite direction
Encroaching into Another Vehicle's Lane: At Non-Junction			
741	0.8	300	From adjacent lane (opposite direction)
1141	1.2	310	From adjacent lane (same direction) - over left lane line
1359	1.4	320	From adjacent lane (same direction) - over right lane line
186	0.2	330	From parallel/diagonal parking lane
Encroaching into Another Vehicle's Lane: At Junction			
1058	1.1	410	Entering intersection - turning into same direction
5670	5.8	411	Entering intersection - straight across path
3483	3.6	412	Entering intersection - turning across path
1669	1.7	413	Entering intersection - turning into opposite direction
124	0.1	429	Entering intersection - intended path unknown
1163	1.2	430	Entering driveway, alley access, etc.
495	0.5	440	From driveway, alley access, etc. - turning into same direction
159	0.2	441	From driveway, alley access, etc. - straight across path
1096	1.1	442	From driveway, alley access, etc. - turning into opposite direction
355	0.4	459	From driveway, alley access, etc. - intended path unknown
82	0.1	460	Entering from "yield" entrance (ramp/channel)
1144	1.2	497	Encroaching - other
138	0.1	498	Encroaching - details unknown
39	0.0	499	This vehicle initiated critical event - details unknown
II. CRITICAL EVENT INITIATED BY THE OTHER VEHICLE			
Motor Vehicle Already in this Vehicle's Lane:			
306	0.3	500	Stopped
19	0.0	510	Traveling in same direction with lower speed
31	0.0	515	Traveling in same direction while decelerating
10325	10.6	520	Traveling in same direction with higher speed
592	0.6	530	Traveling in opposite direction

Variable 138:CRITICAL EVENT (Continued)

1998 Prcnt	Code	Value and Description
		Another Vehicle Encroaching into this Vehicle's Lane:
		Not At Junction
1259	1.3	600 From adjacent lane (opposite direction)
1829	1.9	610 From adjacent lane (same direction) - over left lane line
1559	1.6	620 From adjacent lane (same direction) - over right lane line
182	0.2	630 From parallel/diagonal parking lane
		Another Vehicle Encroaching into this Vehicle's Lane:
		At Junction
1023	1.1	710 Entering intersection - turning into same direction
5174	5.3	711 Entering intersection - straight across path
3379	3.5	712 Entering intersection - turning across path
1693	1.7	713 Entering intersection - turning into opposite direction
134	0.1	729 Entering intersection - intended path unknown
1119	1.1	730 Entering driveway, alley access, etc.
506	0.5	740 From driveway, alley access, etc. - turning into same direction
153	0.2	741 From driveway, alley access, etc. - straight across path
1058	1.1	742 From driveway, alley access, etc. - turning into opposite direction
351	0.4	759 From driveway, alley access, etc. - tntended path unknown
114	0.1	760 Entering from "yield" entrance (ramp/channel)
1469	1.5	797 Encroaching - other
130	0.1	798 Encroaching - details unknown
137	0.1	799 Other vehicle initiated critical event - details unknown
		III. CRITICAL EVENT INITIATED BY PEDESTRIAN, PEDALCYCLIST, OTHER NON-MOTORIST, ANIMAL OR OBJECT
1421	1.5	800 Pedestrian in roadway
13	0.0	801 Pedestrian approaching roadway
1106	1.1	810 Pedalcyclist/other non-motorist in roadway
6	0.0	811 Pedalcyclist/other non-motorist approaching roadway
3	0.0	829 Pedestrian/pedalcyclist/other non-motorist - unknown location
1650	1.7	830 Animal in roadway
9	0.0	831 Animal approaching roadway
596	0.6	840 Object in roadway
29	0.0	841 Object approaching roadway
1	0.0	859 Animal or object - unknown location
		IV. MISCELLANEOUS
15003	15.4	994 More than two vehicles involved
525	0.5	998 Other event
803	0.8	999 Unknown

Variable 139	CORRECTIVE ACTION ATTEMP	Width: 2	Type: Numeric
		Dec: None	Miss: 99

Corrective action attempted (Precrash 3)

1998 Prcnt	Code	Value and Description
71623	73.6	0 Not Applicable/no corrective action attempted
		Single Corrective Action
4818	4.9	1 Braked/slowed
1345	1.4	2 Steered to left
1406	1.4	3 Steered to right
26	0.0	4 Accelerated
9	0.0	5 Backed
		Multiple Corrective Actions
352	0.4	11 Braked and steered to left
335	0.3	12 Braked and steered to right
2	0.0	13 Accelerated and steered to left
3	0.0	14 Accelerated and steered to right
124	0.1	15 Steered in both directions
15003	15.4	94 More than two vehicles involved
376	0.4	97 Corrective action attempted - no details
50	0.1	98 Other single or multiple corrective action
1890	1.9	99 Unknown if driver attempted any corrective action

Variable 140	PRECRASH VEHICLE CONTROL	Width: 2	Type: Numeric
		Dec: None	Miss: 99

Stability immediatly prior to this vehicle's initial involvement
(Precrash 4)

1998 Prcnt	Code	Value and Description
245	0.3	0 No driverpPresent
69020	70.9	1 Vehicle control maintained
813	0.8	2 Vehicle rotated (yawed) clockwise
915	0.9	3 Vehicle rotated (yawed) counter-clockwise
4599	4.7	4 Vehicle slid/skid longitudinally - no rotation
89	0.1	9 Vehicle rotated (yawed) unknown direction
462	0.5	20 Combination of 02 through 09
15003	15.4	94 More than two vehicles involved
4778	4.9	98 Other or unknown type of vehicle control was lost
1438	1.5	99 Unknown if vehicle control was lost

Variable 141	PRECRASH LOCATION	Width: 2	Type: Numeric
		Dec: None	Miss: 99

Vehicle path prior to first involvement (Precrash 5)

1998 Prcnt	Code	Value and Description
245	0.3	0 No driver present
61260	62.9	1 Vehicle stayed In travel lane
5896	6.1	2 Vehicle stayed on roadway but left travel lane
1525	1.6	3 Vehicle stayed on roadway, not known if left travel lane
10139	10.4	4 Vehicle departed roadway
347	0.4	6 Vehicle remained off roadway
2723	2.8	7 Vehicle returned to roadway
15003	15.4	94 More than two vehicles involved
224	0.2	99 Vehicle path after corrective action unknown

Variable 142	VEHICLE ROLE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

1998 Prcnt	Code	Value and Description
2272	2.3	0 Noncollision
54742	56.2	1 Striking
34682	35.6	2 Struck
5474	5.6	3 Both striking and struck
192	0.2	9 Unknown

Variable 143	ACCIDENT TYPE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

1998 Prcnt	Code	Value and Description
525	0.5	0 No impact
1694	1.7	1
		- Diagram number (see appendix)
839	0.9	93
325	0.3	97 Untripped rollover
8202	8.4	98 Other crash type
607	0.6	99 Unknown

Variable 144	MAX INJ SEVERITY IN VEH	Width: 1	Type: Numeric
		Dec: None	Miss: 9

Maximum injury severity in vehicle

1998 Prcnt	Code	Value and Description
63558	65.3	0 No injury
14117	14.5	1 Possible injury

Variable 144:MAX INJ SEVERITY IN VEH (Continued)

1998 Prcnt	Code	Value and Description
10011 10.3	2	Nonincapacitating
4257 4.4	3	Incapacitating
387 0.4	4	Fatal
386 0.4	5	Unknown injury severity
1 0.0	6	Died prior
264 0.3	8	No person coded in crash
4381 4.5	9	Unknown

Variable 145	NUMBER INJURED IN VEH	Width: 2	Type: Numeric
		Dec: None	Miss: 99

Number injured in vehicle

1998 Prcnt	Code	Value and Description
64255 66.0	0	None
23193 23.8	1	- Actual number of people injured
1 0.0	27	
264 0.3	98	No person coded
3685 3.8	99	Unknown

Variable 146	ALCOHOL INVOLVED IN VEH	Width: 1	Type: Numeric
		Dec: None	Miss: 9

Reports alcohol use by driver of the vehicle

1998 Prcnt	Code	Value and Description
3278 3.4	1	Alcohol involved
89652 92.1	2	No alcohol involved
0 0.0	8	No person coded
4432 4.6	9	Unknown

Variable 147	DRIVERS ZIP CODE	Width: 5	Type: Numeric
		Dec: None	Miss: None

1998 Prcnt	Code	Value and Description
632 0.6	0	Not resident of U.S. or territories/Driver not present
	-	Code actual 5-digit zip code
4371 4.5	99999	Unknown

Variable 148	SPEED RELATED	Width: 1	Type: Numeric
		Dec: None	Miss: None

When a speed related factor which may have contributed to the cause of the crash is involved

1998 Prcnt	Code	Value and Description
81617 83.8	0	No
9125 9.4	1	Yes
6620 6.8	9	Unknown

Variable 149	POLICE JURISDICTION	Width: 3	Type: Numeric
		Dec: None	Miss: None

Police Jurisdiction codes repeated in each PSU.

Variable 150	STRATUM	Width: 1	Type: Numeric
		Dec: None	Miss: None

1998 Prcnt	Code	Value and Description
45704 46.9	1	Group 1 - All crashes involving a towed passenger vehicle, i.e. a passenger car, utility vehicle, light truck or van, no medium or heavy trucks
17503 18.0	2	Group 2 - All crashes involving a medium or heavy truck and where at least one passenger vehicle was towed or involved person was injured
8969 9.2	3	Group 3 - All crashes not involving a towed passenger vehicle or medium or heavy truck, but one in which an involved person was injured
25186 25.9	4	Group 4 - All other crashes

Variable 152	REGION OF COUNTRY	Width: 1	Type: Numeric
		Dec: None	Miss: None

1998 Prcnt	Code	Value and Description
13151 13.5	1	Northeast
26724 27.4	2	Midwest
41544 42.7	3	South
15943 16.4	4	West

Variable 153	WEIGHT	Width: 7	Type: Numeric
		Dec: 2	Miss: None

Variable 154	CARRIER'S ID NUMBER	Width: 6	Type: Numeric
		Dec: None	Miss: None

Carrier's Identification number

1998 Prcnt	Code	Value and Description
		Coded for buses and trucks over 4,500 kg GVWR (V112 = 50-79)
	0	Not applicable
	1	
	-	U.S. DOT or ICC MC number
	999998	
	999999	Unknown

Imputed VEHICLE Variables

Variables 155 through 165 are imputed versions of previous variables found in the vehicle dataset.

Variable 155	IMPUTED BODY TYPE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

This variable was imputed by NHTSA

1998 Prcnt	Code	Value and Description
		Automobiles
203	0.2	1 Convertible (excludes sun roof, t-bar)
10798	11.1	2 2-door sedan, hardtop, coupe
1295	1.3	3 3-door/2-door hatchback
22050	22.6	4 4-door sedan, hardtop
447	0.5	5 5-door/4-door hatchback
2026	2.1	6 Station wagon (excluding van and truck-based)
134	0.1	7 Hatchback, number of doors unknown
0	0.0	8 Other automobile type
22120	22.7	9 Unknown automobile type
		Automobile Derivatives
47	0.0	10 Auto-based pickup (includes El Camino, Caballero, Ranchero, Brat)
2	0.0	11 Auto-based panel (cargo station wagon, auto-based Ambulance/Hearse)

Variable 155:IMPUTED BODY TYPE (Continued)

1998 Prcnt	Code	Value and Description
1	0.0	12 Large limousine (more than four side doors or stretch chassis)
0	0.0	13 Three wheeled automobile or automobile derivative
		Utility Vehicles
2855	2.9	14 Compact utility (Jeep CJ-5, Renegade, Golden Eagle, Bronco, etc.)
433	0.4	15 Large utility (Jeep Cherokee, Ramcharger, Trailduster, etc.)
534	0.5	16 Utility station wagon (Chev. Suburban, GMC Suburban, Grand Wagoneer; also includes suburban limousine)
1606	1.6	19 Utility vehicle, unknown body type
		Van-Based Light Trucks (<4,501 kg GVWR)
2333	2.4	20 Minivan (Astro, Caravan, Plymouth Vista, Aerostar, Safari, etc.)
573	0.6	21 Large van (Sportvan, Chevy Van, Club Wagon, Ford Econoline, etc.)
15	0.0	22 Step van or walk-in van (< 4,500 kg GVWR)
2	0.0	23 Van-based motorhome
14	0.0	24 Van-based school bus
4	0.0	25 Van-based other bus
3	0.0	28 Other van type (Hi-Cube, Kary)
3238	3.3	29 Unknown van type
		Lt Conventional Truck (P.U. style cab, <4,501 kg GVWR)
3264	3.4	30 Compact pickup
3659	3.8	31 Large pickup
21	0.0	32 Pickup with slide-in camper
0	0.0	33 Convertible pickup
5946	6.1	39 Unknown (pickup style) light conventional truck
		Other Light Trucks (<4,500 kg GVWR)
17	0.0	40 Cab chassis-based (includes rescue vehicle, light stake, dump, and tow truck)
5	0.0	41 Truck-based panel
2	0.0	42 Light truck-based motorhome (chassis mounted)
1	0.0	45 Other light truck type
2057	2.1	48 Unknown light truck type (utility, van, pickup, or other light truck)
0	0.0	49 Unknown light vehicle type (automobile, utility, van, or light truck)
		Buses (excludes van-based)
172	0.2	50 School bus (designed to carry students, not cross country or transit)
171	0.2	58 Other bus (e.g., transit intercity bus-based motorhome)
21	0.0	59 Unknown bus type
		Medium/Heavy Trucks (>4,500 kg GVWR)
87	0.1	60 Step van
982	1.0	64 Single unit straight truck

Variable 155:IMPUTED BODY TYPE (Continued)

1998 Prcnt		Code	Value and Description
4	0.0	65	Medium/heavy truck-based motorhome
6465	6.6	66	Truck-tractor (cab only, or with any number of trailing units)
2525	2.6	78	Unknown medium/heavy truck type
0	0.0	79	Unknown truck type (light/medium/heavy)
Motored Cycles (Does not include ATVs/cycles)			
1025	1.1	80	Motorcycle
42	0.0	81	Moped (motorized bicycle)
1	0.0	82	Three wheeled motorcycle or moped
12	0.0	88	Other motored cycle type (minibike, motorscooter)
23	0.0	89	Unknown motored cycle type
Other Vehicles			
31	0.0	90	ATV (all terrain vehicle) and ATC (all terrain cycle)
4	0.0	91	Snowmobile
25	0.0	92	Farm equipment other than trucks
39	0.0	93	Construction equipment other than trucks (includes graders)
28	0.0	97	Other type vehicle (e.g., go-cart, fork lift, city street sweeper)

Variable 156	IMPUTED HIT-AND-RUN	Width: 1	Type: Numeric
		Dec: None	Miss: 9

This variable was imputed by NHTSA

1998 Prcnt		Code	Value and Description
93039	95.6	0	No, did not leave scene
4323	4.4	1	Yes, driver or car and driver left scene

Variable 157	I INITIAL POINT OF IMPAC	Width: 2	Type: Numeric
		Dec: None	Miss: 99

This variable was imputed by NHTSA

1998 Prcnt		Code	Value and Description
2244	2.3	0	No damage/noncollision
44133	45.3	1	Front
15570	16.0	2	Rightside
16229	16.7	3	Leftside
18504	19.0	4	Back
135	0.1	5	Top
384	0.4	6	Undercarriage
52	0.1	11	Front right corner
93	0.1	12	Front left corner

Variable 157:I INITIAL POINT OF IMPAC (Continued)

1998 Prcnt	Code	Value and Description
7	0.0	13 Back right corner
11	0.0	14 Back left corner

Variable 158	I PRIOR TO CRITICAL EVEN	Width: 2	Type: Numeric
		Dec: None	Miss: None

This variable was imputed by NHTSA

1998 Prcnt	Code	Value and Description
288	0.3	0 No driver present
57245	58.8	1 Going straight
4725	4.9	2 Decelerating in traffic lane
995	1.0	3 Starting in traffic lane
11471	11.8	4 Stopped in traffic lane
1069	1.1	5 Passing or overtaking another vehicle
123	0.1	6 Disabled or parked in travel lane
270	0.3	7 Leaving a parked position
98	0.1	8 Entering a parked position
2773	2.8	10 Turning right
9208	9.5	11 Turning left
453	0.5	12 Making U-turn
757	0.8	13 Backing up (other than parking)
1297	1.3	15 Negotiating a curve
2926	3.0	16 Changing lanes
352	0.4	17 Merging
49	0.1	18 Successful corrective action to a previous critical event
3263	3.4	98 Other

Variable 159	IMPUTED MODEL YEAR	Width: 4	Type: Numeric
		Dec: None	Miss: 9999

This variable was imputed by NHTSA

1998 Prcnt	Code	Value and Description
4	0.0	1940 1940 and earlier
		-
3317	3.4	1985 1985
4239	4.4	1986 1986
4764	4.9	1987 1987
5605	5.8	1988 1988
6054	6.2	1989 1989
5834	6.0	1990 1990
5765	5.9	1991 1991
6054	6.2	1992 1992
6875	7.1	1993 1993
7627	7.8	1994 1994

Variable 159:IMPUTED MODEL YEAR (Continued)

1998 Prcnt	Code	Value and Description
8711 8.9	1995	1995
7593 7.8	1996	1996
8189 8.4	1997	1997
6094 6.3	1998	1998
508 0.5	1999	1999

Variable 160	IMP MAX INJ SEV. IN VEH	Width: 1	Type: Numeric
		Dec: None	Miss: 9

This variable was imputed by NHTSA

1998 Prcnt	Code	Value and Description
67574 69.4	0	No injury
14306 14.7	1	Possible injury
10136 10.4	2	Nonincapacitating
4273 4.4	3	Incapacitating
409 0.4	4	Fatal
399 0.4	5	Unknown injury severity
1 0.0	6	Died prior
264 0.3	8	No person coded in crash

Variable 161	IMP NUM INJURED IN VEH	Width: 2	Type: Numeric
		Dec: None	Miss: 99

This variable was imputed by NHTSA

1998 Prcnt	Code	Value and Description
67839 69.7	0	None
23491 24.1	1	- Actual number of people injured
1 0.0	27	

Variable 162	IMP VIOLATIONS CHARGED	Width: 2	Type: Numeric
		Dec: None	Miss: 99

This variable was imputed by NHTSA

1998 Prcnt	Code	Value and Description
68688 70.5	0	None
1443 1.5	1	Alcohol or drugs
3301 3.4	2	Speeding
151 0.2	3	Alcohol or drugs and speeding
797 0.8	4	Reckless driving

Variable 162:IMP VIOLATIONS CHARGED (Continued)

1998 Prcnt		Code	Value and Description
429	0.4	5	Driving with a suspended or revoked license
4453	4.6	6	Failure to yield right-of-way
1411	1.4	7	Running a traffic signal or stop sign
3487	3.6	50	Hit & run (and no information)
4148	4.3	97	Violation charged - no details
9054	9.3	98	Other violation

Variable 163	IMPUTED VEHICLE ROLE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

This variable was imputed by NHTSA

1998 Prcnt		Code	Value and Description
2275	2.3	0	Noncollision
54851	56.3	1	Striking
34754	35.7	2	Struck
5482	5.6	3	Both striking and struck

Variable 164	IMP ALC INVOLVED IN VEH	Width: 1	Type: Numeric
		Dec: None	Miss: 9

This variable was imputed by NHTSA

1998 Prcnt		Code	Value and Description
4177	4.3	1	Alcohol involved
93185	95.7	2	No Alcohol involved
0	0.0	8	No person coded

Variable 165	IMP MOST HARMFUL EVENT	Width: 2	Type: Numeric
		Dec: None	Miss: 99

This variable was imputed by NHTSA

1998 Prcnt		Code	Value and Description
			NonCollision
2149	2.2	1	Rollover/overturn
68	0.1	2	Fire/explosion
21	0.0	3	Immersion
105	0.1	5	Jackknife
56	0.1	6	Noncollision injury
380	0.4	8	Other noncollision
9	0.0	9	Noncollision - no details
34	0.0	10	Thrown or falling object

Variable 165:IMP MOST HARMFUL EVENT (Continued)

1998	Prcnt	Code	Value and Description
			Collision with Object Not Fixed
1459	1.5	21	Pedestrian
1135	1.2	22	Cycle or cyclist (pedalcycle or pedalcyclist)
27	0.0	23	Railway train
1336	1.4	24	Animal
79384	81.5	25	Motor vehicle in transport
1823	1.9	26	Parked motor vehicle (or motor vehicle not in transport)
41	0.0	27	Other type nonmotorist
601	0.6	28	Other object not fixed
4	0.0	29	Object not fixed - No details
			Collision with Fixed Object
18	0.0	31	Ground
114	0.1	32	Building
19	0.0	33	Impact attenuator or crash cushion
179	0.2	34	Bridge structure (pier/abutment/parapet end)
1054	1.1	35	Guardrail
782	0.8	36	Concrete traffic barrier or other longitudinal barrier type
1779	1.8	37	Post, pole or support (sign post, utility post)
1135	1.2	38	Culvert or ditch
411	0.4	39	Curb
485	0.5	40	Embankment
386	0.4	41	Fence
165	0.2	42	Wall
83	0.1	43	Fire hydrant
40	0.0	44	Shrubbery or bush
1394	1.4	45	Tree
74	0.1	46	Boulder
37	0.0	50	Pavement surface irregularity (ruts, potholes, grates, plates, etc.)
521	0.5	58	Other fixed object
54	0.1	59	Fixed object - no details

The OCCUPANT Variables

Variables 201 through 230 describe the vehicle occupants involved in the Accident. The Occupant data set contains these variables, along with the Accident and Vehicle variables on an occupant level.

Variable 201	CASE NUMBER	Width: 8	Type: Numeric
		Dec: None	Miss: None

Variable 202	VEHICLE NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: None

This is the vehicle number for the in-transport vehicle, in or on which, this occupant was riding

1998 Prcnt	Code	Value and Description
75863	54.9	1 Vehicle #1
54166	39.2	2 Vehicle #2
6470	4.7	3 Vehicle #3
1275	0.9	4 Vehicle #4
306	0.2	5 Vehicle #5
87	0.1	6 Vehicle #6
29	0.0	7 Vehicle #7
9	0.0	8 Vehicle #8
10	0.0	9 Vehicle #9
8	0.0	10 Vehicle #10
1	0.0	11 Vehicle #11

Variable 203	OCCUPANT NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: None

1998 Prcnt	Code	Value and Description
97098	70.2	1
		- Occupant number
1	0.0	30

Variable 204	OCCUPANT TYPE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

Indicates the role of the occupant in the vehicle

1998 Prcnt	Code	Value and Description
Motorists		
97074	70.2	1 Driver of motor vehicle in transport
41139	29.8	2 Passenger of a motor vehicle in transport
11	0.0	9 Unknown occupant type in a motor vehicle in transport

Variable 205	OCC SEATING POSITION	Width: 2	Type: Numeric
		Dec: None	Miss: 99

Occupant seating position

1998 Prcnt	Code	Value and Description
97063	70.2	11 Front seat - left side (driver's side)
1030	0.7	12 Front seat - middle
21324	15.4	13 Front seat - right side
16	0.0	18 Front seat - other
164	0.1	19 Front seat - unknown
4583	3.3	21 Second seat - left side
1966	1.4	22 Second seat - middle
5624	4.1	23 Second seat - right side
12	0.0	28 Second seat - other
280	0.2	29 Second seat - unknown
180	0.1	31 Third seat - left side
109	0.1	32 Third seat - middle
189	0.1	33 Third seat - right side
2	0.0	38 Third seat - other
13	0.0	39 Third seat - unknown
38	0.0	50 Sleeper section of cab (truck)
250	0.2	51 Other passenger in passenger or cargo area
17	0.0	52 Trailing unit
86	0.1	53 Riding on vehicle exterior
5278	3.8	99 Unknown

Variable 206	OCC RESTRAINT SYSTEM USE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

Occupant restraint system use

1998 Prcnt	Code	Value and Description
11934	8.6	0 None used or N/A
81346	58.9	1 Lap/shoulder belt
5157	3.7	2 Lap belt

Variable 206:OCC RESTRAINT SYSTEM USE (Continued)

1998 Prcnt	Code	Value and Description
772	0.6	3 Shoulder belt
751	0.5	5 Motorcycle helmet
2373	1.7	6 Child safety seat
402	0.3	7 None available
16358	11.8	8 Restraint used - specifics unknown or other
19131	13.8	9 Unknown if used

Variable 207 OCC RESTRAINT TYPE Width: 1 Type: Numeric
Dec: None Miss: 9

1998 Prcnt	Code	Value and Description
32218	23.3	0 None or N/A
218	0.2	1 Automatic (passive)
28744	20.8	2 Manual (active)
77044	55.7	9 Unknown type

Variable 208 AIRBAG AVAIL/FUNCTION Width: 1 Type: Numeric
Dec: None Miss: 9

1998 Prcnt	Code	Value and Description
60552	43.8	0 No Air bag available
6464	4.7	1 Deployed
16217	11.7	2 Non-deployed
54991	39.8	9 Unknown if available or deployed

Variable 209 FILLER Width: 1 Type: Numeric
Dec: None Miss: 9

Variable 210 OCCUPANT EJECTION Width: 1 Type: Numeric
Dec: None Miss: 9

1998 Prcnt	Code	Value and Description
137923	99.8	0 Not ejected
224	0.2	1 Totally ejected
33	0.0	2 Partially ejected
29	0.0	7 Ejected - no details
15	0.0	9 Unknown

General Estimates System (GES)
1998 - Occupant

Variable 211	OCCUPANT AGE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

1998 Prcnt		Code Value and Description	
675	0.5	0	Up to one year
718	0.5	1	
		-	Age in years
10	0.0	96	
12	0.0	97	97 years or older
12005	8.7	99	Unknown

Variable 212	OCCUPANT SEX	Width: 1	Type: Numeric
		Dec: None	Miss: 9

1998 Prcnt		Code Value and Description	
75940	54.9	1	Male
52575	38.0	2	Female
9709	7.0	9	Unknown

Variable 213	OCC INJURY SEVERITY	Width: 1	Type: Numeric
		Dec: None	Miss: 9

Occupant injury severity

1998 Prcnt		Code Value and Description	
95394	69.0	0	O - No injury
19036	13.8	1	C - Possible injury
12055	8.7	2	B - Nonincapacitating injury
5230	3.8	3	A - Incapacitating injury
425	0.3	4	K - Fatal injury
574	0.4	5	U - Injured - severity unknown
1	0.0	6	Died prior to crash
5509	4.0	9	Unknown if injured

Variable 214	TAKEN TO HOSP/TREATMENT	Width: 1	Type: Numeric
		Dec: None	Miss: 9

Occupant taken to hospital or treatment facility

1998 Prcnt		Code Value and Description	
113010	81.8	0	No
22462	16.3	1	Yes
2752	2.0	9	Unknown

Variable 215	OCCUPANT IMPAIRMENT	Width: 2	Type: Numeric
		Dec: None	Miss: 99

1998 Prcnt	Code	Value and Description
131838 95.4	0	None
228 0.2	1	Ill, blackout
717 0.5	2	Drowsy, sleepy, fell asleep, fatigued
1 0.0	3	Requires cane or crutches
3 0.0	4	Paraplegic or restricted to wheelchair
1 0.0	5	Impaired due to previous injury
6 0.0	6	Deaf
2 0.0	7	Blind
219 0.2	97	Physical impairment - no details
319 0.2	98	Other physical impairments
4890 3.5	99	Unknown if physically impaired

Variable 216	PAR ALCOHOL INVOLVEMENT	Width: 1	Type: Numeric
		Dec: None	Miss: 9

Police Crash Report Alcohol Involvement

1998 Prcnt	Code	Value and Description
128057 92.6	0	No (alcohol not involved)
3274 2.4	1	Yes (alcohol involved)
4 0.0	7	Alcohol and/or drugs involved
2456 1.8	8	Not reported
4433 3.2	9	Unknown (police reported)

Variable 217	PAR DRUG INVOLVEMENT	Width: 1	Type: Numeric
		Dec: None	Miss: 9

Police Crash Report Drug Involvement

1998 Prcnt	Code	Value and Description
129700 93.8	0	No (drugs not involved)
223 0.2	1	Yes (drugs involved)
4 0.0	7	Drugs and/or alcohol involved
3862 2.8	8	Not reported
4435 3.2	9	Unknown (police reported)

Variable 218	FILLER	Width: 2	Type: Numeric
		Dec: None	Miss: 99

Variable 219	FILLER	Width: 2	Type: Numeric
		Dec: None	Miss: 99

Variable 220	POLICE JURISDICTION	Width: 3	Type: Numeric
		Dec: None	Miss: None

Police Jurisdiction codes repeated in each PSU.

Variable 221	STRATUM	Width: 1	Type: Numeric
		Dec: None	Miss: None

1998 Prcnt	Code	Value and Description
66821 48.3	1	Group 1 - All crashes involving a towed passenger vehicle, i.e. a passenger car, utility vehicle, light truck or van, no medium or heavy trucks
22260 16.1	2	Group 2 - All crashes involving a medium or heavy truck and where at least one passenger vehicle was towed or involved person was injured
13419 9.7	3	Group 3 - All crashes not involving a towed passenger vehicle or medium or heavy truck, but one in which an involved person was injured
35724 25.8	4	Group 4 - All other crashes

Variable 222	PSU NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: None

Variable 223	REGION OF COUNTRY	Width: 1	Type: Numeric
		Dec: None	Miss: None

1998 Prcnt	Code	Value and Description
18489 13.4	1	Northeast
37445 27.1	2	Midwest
59313 42.9	3	South
22977 16.6	4	West

Variable 224	WEIGHT	Width: 7	Type: Numeric
		Dec: 2	Miss: None

Imputed OCCUPANT Variables

Variables 225 through 230 are imputed versions of previous variables found in the occupant dataset.

<u>Variable 225</u>	<u>IMPUTED OCCUPANT AGE</u>	Width: 2	Type: Numeric
		Dec: None	Miss: 99

This variable was imputed by NHTSA

1998 Prcnt	Code Value and Description	
819	0.6	0 Up to one year
783	0.6	1
		- Age in years
10	0.0	96
12	0.0	97 97 years or older

<u>Variable 226</u>	<u>IMP PAR ALC INVOLVEMENT</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

This variable was imputed by NHTSA

1998 Prcnt	Code Value and Description	
134047	97.0	0 No (alcohol not involved)
4171	3.0	1 Yes (alcohol involved)
6	0.0	7 Alcohol and/or drugs involved
0	0.0	8 Not reported

<u>Variable 227</u>	<u>IMPUT OCCUPANT EJECTION</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

This variable was imputed by NHTSA

1998 Prcnt	Code Value and Description	
137938	99.8	0 Not ejected
224	0.2	1 Totally ejected
33	0.0	2 Partially ejected
29	0.0	7 Ejected - no details

Variable 228	IMP OCC INJURY SEVERITY	Width: 1	Type: Numeric
		Dec: None	Miss: 9

This variable was imputed by NHTSA

1998 Prcnt	Code	Value and Description
100432	72.7	0 O - No injury
19288	14.0	1 C - Possible injury
12215	8.8	2 B - Nonincapacitating injury
5248	3.8	3 A - Incapacitating injury
448	0.3	4 K - Fatal injury
592	0.4	5 U - Injured - severity unknown
1	0.0	6 Died prior to crash

Variable 229	IMP OCC SEATING POSITION	Width: 2	Type: Numeric
		Dec: None	Miss: 99

This variable was imputed by NHTSA

1998 Prcnt	Code	Value and Description
97766	70.7	11 Front seat - left side (driver's side)
1179	0.9	12 Front seat - middle
23820	17.2	13 Front seat - right side
0	0.0	18 Front seat - other
0	0.0	19 Front seat - unknown
5322	3.9	21 Second seat - left side
2487	1.8	22 Second seat - middle
6526	4.7	23 Second seat - right side
0	0.0	28 Second seat - other
0	0.0	29 Second seat - unknown
223	0.2	31 Third seat - left side
163	0.1	32 Third seat - middle
241	0.2	33 Third seat - right side
0	0.0	38 Third seat - other
0	0.0	39 Third seat - unknown
62	0.0	50 Sleeper section of cab (truck)
311	0.2	51 Other passenger in passenger or cargo area
17	0.0	52 Trailing unit
107	0.1	53 Riding on vehicle exterior

Variable 230	IMPUTED OCCUPANT SEX	Width: 1	Type: Numeric
		Dec: None	Miss: 9

This variable was imputed by NHTSA

1998 Prcnt	Code	Value and Description
81515	59.0	1 Male
56709	41.0	2 Female

The NONMOTORIST Variables

Variables 301 through 330 describe the Nonmotorists involved in the Accident. The Nonmotorist data set contains these variables along with the Accident variables, the Vehicle variables for the striking vehicle and the Occupant variables for the driver of the striking vehicle on a Nonmotorist level.

Variable 301	CASE NUMBER	Width: 8	Type: Numeric
		Dec: None	Miss: None

Variable 302	VEH STRIKING NUMBER NMTR	Width: 2	Type: Numeric
		Dec: None	Miss: None

Vehicle number which made contact with the nonmotorist

1998 Prcnt	Code	Value and Description
3128 99.4	1	Vehicle #1
19 0.6	2	Vehicle #2
1 0.0	3	Vehicle #3

Variable 303	NONMOTORIST NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: None

1998 Prcnt	Code	Value and Description
2920 92.8	1	
	-	Nonmotorist number
2 0.1	5	

Variable 304	NONMOTORIST TYPE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

Indicates the role of the nonmotorist

1998 Prcnt	Code	Value and Description
		Nonmotorists - Occupant
321 10.2	3	Occupant of a motor vehicle not in transport
53 1.7	4	Occupant of a non-motor vehicle transport device
		Nonmotorists - Non-occupant
1593 50.6	5	Pedestrian
1165 37.0	6	Cyclist (pedalcyclist)

Variable 304:NONMOTORIST TYPE (Continued)

1998 Prcnt	Code	Value and Description
16	0.5	8 Other or unknown non-occupant

Variable 305	FILLER	Width: 2	Type: Numeric
		Dec: None	Miss: 99

Variable 306	FILLER	Width: 1	Type: Numeric
		Dec: None	Miss: 9

Variable 307	FILLER	Width: 1	Type: Numeric
		Dec: None	Miss: 9

Variable 308	FILLER	Width: 1	Type: Numeric
		Dec: None	Miss: 9

Variable 309	NONMOT SAFETY EQUIP USE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

Nonmotorist safety equipment use

1998 Prcnt	Code	Value and Description
2890	91.8	0 None used or N/A
126	4.0	1 Bicycle helmet
4	0.1	2 Reflective equipment
2	0.1	3 Bicycle helmet and reflective equipment
2	0.1	8 Other safety equipment
124	3.9	9 Unknown if used

Variable 310	FILLER	Width: 1	Type: Numeric
		Dec: None	Miss: 9

Variable 311	NONMOTORIST AGE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

1998 Prcnt Code Value and Description

7	0.2	0	Up to one year
6	0.2	1	
		-	Age in years
1	0.0	95	
0	0.0	97	97 years or older
105	3.3	99	Unknown

Variable 312	NONMOTORIST SEX	Width: 1	Type: Numeric
		Dec: None	Miss: 9

1998 Prcnt Code Value and Description

2093	66.5	1	Male
1022	32.5	2	Female
33	1.0	9	Unknown

Variable 313	NMTR INJURY SEVERITY	Width: 1	Type: Numeric
		Dec: None	Miss: 9

Nonmotorist injury severity

1998 Prcnt Code Value and Description

285	9.1	0	O - No injury
261	8.3	1	C - Possible injury
1781	56.6	2	B - Nonincapacitating injury
698	22.2	3	A - Incapacitating injury
77	2.4	4	K - Fatal injury
21	0.7	5	U - Injured - severity unknown
0	0.0	6	Died prior to crash
25	0.8	9	Unknown if injured

Variable 314	TAKEN TO HOSP/TREATMENT	Width: 1	Type: Numeric
		Dec: None	Miss: 9

Occupant taken to hospital or treatment facility

1998 Prcnt Code Value and Description

867	27.5	0	No
2062	65.5	1	Yes
219	7.0	9	Unknown

<u>Variable 315</u>	<u>NMTR PHYSICAL IMPAIRMENT</u>	Width: 2	Type: Numeric
		Dec: None	Miss: 99

1998 Prcnt	Code	Value and Description
2949 93.7	0	None
0 0.0	1	Ill, blackout
1 0.0	2	Drowsy, sleepy, fell asleep, fatigued
0 0.0	3	Requires cane or crutches
2 0.1	4	Paraplegic or restricted to wheelchair
0 0.0	5	Impaired due to previous injury
1 0.0	6	Deaf
1 0.0	7	Blind
7 0.2	97	Physical impairment - no details
18 0.6	98	Other physical impairments
169 5.4	99	Unknown if physically impaired

<u>Variable 316</u>	<u>PAR ALCOHOL INVOLVEMENT</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

Police Crash Report Alcohol Involvement

1998 Prcnt	Code	Value and Description
2645 84.0	0	No (alcohol not involved)
160 5.1	1	Yes (alcohol involved)
0 0.0	7	Alcohol and/or drugs involved
265 8.4	8	Not reported
78 2.5	9	Unknown (police reported)

<u>Variable 317</u>	<u>PAR DRUG INVOLVEMENT</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

Police Crash Report Drug Involvement

1998 Prcnt	Code	Value and Description
2731 86.8	0	No (drugs not involved)
10 0.3	1	Yes (drugs involved)
0 0.0	7	Drugs and/or alcohol involved
351 11.1	8	Not reported
56 1.8	9	Unknown (police reported)

<u>Variable 318</u>	<u>NONMOTORIST ACTION</u>	Width: 2	Type: Numeric
		Dec: None	Miss: 99

1998 Prcnt	Code	Value and Description
637 20.2	0	No action

Variable 318:NONMOTORIST ACTION (Continued)

1998 Prcnt	Code	Value and Description
Nonmotorist Vehicle Operator		
8	0.3	1 Failing to have lights on when required
7	0.2	2 Operating without required equipment
13	0.4	3 Improper or erratic lane changing
6	0.2	4 Failure to keep in proper lane or running off road
40	1.3	5 Making improper entry to or exit from trafficway
19	0.6	6 Operating the vehicle in erratic, reckless, negligent manner
370	11.8	7 Failure to yield right of way
9	0.3	8 Failure to obey traffic signs/control devices/officers, failure to observe safety zone
23	0.7	9 Making other improper turns
198	6.3	10 Driving on wrong side of road
Other Nonmotorists		
367	11.7	21 Darting or running into road
465	14.8	22 Improper crossing of roadway or intersection (jaywalking)
2	0.1	24 Inattentive (talking, eating, etc.)
10	0.3	25 Jogger
5	0.2	26 Nonmotorist pushing vehicle
58	1.8	27 Walking with traffic
19	0.6	28 Walking against traffic
144	4.6	29 Playing, working, sitting, lying, standing, etc. in roadway
612	19.4	98 Other action
136	4.3	99 Unknown action

Variable 319	NMTR LOCATION	Width: 2	Type: Numeric
		Dec: None	Miss: 99

Nonmotorist location

1998 Prcnt	Code	Value and Description
0	0.0	0 Not applicable - driver or occupant of MV in transport
328	10.4	1 Intersection - in crosswalk
852	27.1	2 Intersection - on roadway
8	0.3	8 Intersection - other
6	0.2	9 Intersection - unknown location
14	0.4	11 Nonintersection - in crosswalk
1448	46.0	12 Nonintersection - on roadway
393	12.5	18 Nonintersection - other
5	0.2	19 Nonintersection - unknown location
2	0.1	20 In crosswalk - unknown if intersection
85	2.7	98 Other location
7	0.2	99 Unknown location

<u>Variable 320</u>	<u>POLICE JURISDICTION</u>	Width: 3	Type: Numeric
		Dec: None	Miss: None

Police Jurisdiction codes repeated in each PSU.

<u>Variable 321</u>	<u>STRATUM</u>	Width: 1	Type: Numeric
		Dec: None	Miss: None

1998 Prcnt	Code	Value and Description
179 5.7	1	Group 1 - All crashes involving a towed passenger vehicle, i.e. a passenger car, utility vehicle, light truck or van, no medium or heavy trucks
136 4.3	2	Group 2 - All crashes involving a medium or heavy truck and where at least one passenger vehicle was towed or involved person was injured
2518 80.0	3	Group 3 - All crashes not involving a towed passenger vehicle or medium or heavy truck, but one in which an involved person was injured
315 10.0	4	Group 4 - All other crashes

<u>Variable 322</u>	<u>PSU NUMBER</u>	Width: 2	Type: Numeric
		Dec: None	Miss: None

<u>Variable 323</u>	<u>REGION OF COUNTRY</u>	Width: 1	Type: Numeric
		Dec: None	Miss: None

1998 Prcnt	Code	Value and Description
789 25.1	1	Northeast
771 24.5	2	Midwest
874 27.8	3	South
714 22.7	4	West

<u>Variable 324</u>	<u>WEIGHT</u>	Width: 7	Type: Numeric
		Dec: 2	Miss: None

Imputed NONMOTORIST Variables

Variables 325 through 330 are imputed versions of previous variables found in the nonmotorist dataset.

<u>Variable 325</u>	<u>IMPUTED NONMOTORIST AGE</u>	Width: 2	Type: Numeric
		Dec: None	Miss: 99

This variable was imputed by NHTSA

1998 Prcnt	Code Value and Description	
7 0.2	0	Up to one year
6 0.2	1	
	-	Age in years
1 0.0	95	
0 0.0	97	97 years or older

<u>Variable 326</u>	<u>IMP PAR ALC INVOLVEMENT</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

This variable was imputed by NHTSA

1998 Prcnt	Code Value and Description	
2971 94.4	0	No (alcohol not involved)
177 5.6	1	Yes (alcohol involved)
0 0.0	7	Alcohol and/or drugs involved
0 0.0	8	Not reported

<u>Variable 327</u>	<u>FILLER</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

<u>Variable 328</u>	<u>IMP NMTR INJURY SEVERITY</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

This variable was imputed by NHTSA

1998 Prcnt	Code Value and Description	
291 9.2	0	O - No injury
270 8.6	1	C - Possible injury
1787 56.8	2	B - Nonincapacitating injury
699 22.2	3	A - Incapacitating injury
80 2.5	4	K - Fatal injury

Variable 328:IMP NMTR INJURY SEVERITY (Continued)

1998 Prcnt	Code	Value and Description
21	0.7	5 U - Injured - severity unknown
0	0.0	6 Died prior to crash

Variable 329	FILLER	Width: 2	Type: Numeric
		Dec: None	Miss: 99

Variable 330	IMPUTED NONMOTORIST SEX	Width: 1	Type: Numeric
		Dec: None	Miss: 9

This variable was imputed by NHTSA

1998 Prcnt	Code	Value and Description
2111	67.1	1 Male
1037	32.9	2 Female

Index to Variables and Code Value Names

"*" = Variable Name (i.e., no code value)

"+" = Many code values for this variable

Item	Var	CV	Variable Name Code Value
"rubbernecking"	107	5	Other crash ("rubbernecking")
"yield"	138	460	Entering from "yield" entrance (ramp/cha
abandoned	135	4	Abandoned
absorber	123	4	Suspension - springs, shock absorbers, m
abutment	11	34	Bridge structure (pier/abutment/parapet
abutment	39	34	Bridge Structure (pier/abutment/parapet
abutment	136	34	Bridge structure (pier/abutment/parapet
abutment	165	34	Bridge structure (pier/abutment/parapet
ac	107	2	Vehicle instrument display (radio, casse
accelerated	139	4	Accelerated
access	14	3	Driveway, alley access, etc.
access	47	3	Driveway, alley access, etc.
access	138	430	Entering driveway, alley access, etc.
across	138	411	Entering intersection - straight across
action	26	15	The motorist and the cyclist counteract
action	137	18	Successful corrective action to a previo
action	139	*	CORRECTIVE ACTION ATTEMP
action	141	99	Vehicle path after corrective action unk
action	158	18	Successful corrective action to a previo
action	318	*	NONMOTORIST ACTION
active	21	61	Active devices (gates, flashing lights,
active	50	61	Active devices (gates, flashing lights,
active	207	2	Manual (active)
acura	109	54	Acura
adverse	24	1	No adverse atmospheric related driving c
adverse	51	1	No adverse atmospheric related driving c
advisory	21	40	Advisory speed sign
advisory	50	40	Advisory speed sign
aerostar	112	20	Minivan (Astro, Caravan, Plymouth Vista,
aerostar	155	20	Minivan (Astro, Caravan, Plymouth Vista,
age	211	*	OCCUPANT AGE
age	225	*	IMPUTED OCCUPANT AGE
age	311	*	NONMOTORIST AGE
age	325	*	IMPUTED NONMOTORIST AGE
ahead	21	43	Warning sign for environment/traffic (fo
ahead	26	19	Cyclist turns left in front of motorist
ahead	50	43	Warning sign for environment/traffic (fo
air	208	0	No Air bag available
airbag	208	*	AIRBAG AVAIL/FUNCTION
alcohol	29	*	ALCOHOL INVOLVED IN ACC
alcohol	37	*	IMP ALC INVOLVED IN ACC
alcohol	104	1	Alcohol or drugs
alcohol	146	*	ALCOHOL INVOLVED IN VEH
alcohol	162	1	Alcohol or drugs
alcohol	164	*	IMP ALC INVOLVED IN VEH
alcohol	216	*	PAR ALCOHOL INVOLVEMENT
alcohol	217	7	Drugs and/or alcohol involved
alcohol	226	*	IMP PAR ALC INVOLVEMENT
alcohol	316	*	PAR ALCOHOL INVOLVEMENT
alcohol	317	7	Drugs and/or alcohol involved
alcohol	326	*	IMP PAR ALC INVOLVEMENT
alfa	109	31	Alfa Romeo
alignment	18	*	ROADWAY ALIGNMENT
alignment	38	*	IMP ROADWAY ALIGNMENT

GES 1998 Index (continued)

Item	Var	CV	Variable Name or Code Value
alley	14	3	Driveway, alley access, etc.
alley	22	0	No statutory limit (parking lot, alley,
alley	26	1	Cyclist fails to yield to motorist at a
alley	47	3	Driveway, alley access, etc.
alley	48	0	No statutory limit (parking lot, alley,
alley	138	430	Entering driveway, alley access, etc.
ambulance	112	11	Auto-based panel (cargo station wagon, a
ambulance	116	6	Ambulance
ambulance	155	11	Auto-based panel (cargo station wagon, a
american	109	1	American Motors
american	110	+	Rambler/American
angle	12	4	Angle
angle	42	4	Angle
animal	11	24	Animal
animal	39	24	Animal
animal	106	3	Animal in road
animal	136	24	Animal
animal	138	830	Animal in roadway
animal	165	24	Animal
april	2	4	April
asleep	215	2	Drowsy, sleepy, fell asleep, fatigued
asleep	315	2	Drowsy, sleepy, fell asleep, fatigued
astro	112	20	Minivan (Astro, Caravan, Plymouth Vista,
astro	155	20	Minivan (Astro, Caravan, Plymouth Vista,
atc	112	90	ATV (all terrain vehicle) and ATC (all t
atc	155	90	ATV (all terrain vehicle) and ATC (all t
atmospheric	24	*	ATMOSPHERIC CONDITION
atmospheric	51	*	I ATMOSPHERIC CONDITION
attemp	139	*	CORRECTIVE ACTION ATTEMP
attempted	139	0	Not Applicable/no corrective action atte
attenuator	11	33	Impact attenuator or crash cushion
attenuator	39	33	Impact attenuator or crash cushion
attenuator	136	33	Impact attenuator or crash cushion
attenuator	165	33	Impact attenuator or crash cushion
atv	112	90	ATV (all terrain vehicle) and ATC (all t
atv	155	90	ATV (all terrain vehicle) and ATC (all t
audi	109	32	Audi
august	2	8	August
austin	109	33	Austin/Austin Healey
auto	113	7	Auto transporter
auto-based	112	10	Auto-based pickup (includes El Camino, C
auto-based	155	10	Auto-based pickup (includes El Camino, C
automatic	207	1	Automatic (passive)
automobile	112	8	Other automobile type
automobile	155	8	Other automobile type
avoid	106	*	DRIVER MANEUVER TO AVOID
avoidance	106	97	Avoidance maneuver - no details
axle	114	*	NO OF AXLES ON VEH/TRAIL
backed	139	5	Backed
backing	26	11	Motorist backing from driveway fails to
backing	137	13	Backing up (other than parking purposes)
backing	158	13	Backing up (other than parking)
bag	208	0	No Air bag available
ball	123	3	Steering system - tie rod, kingpin, ball
barrier	11	36	Concrete traffic barrier or other longit
barrier	16	2	Divided highway (median strip, barrier)

GES 1998 Index (continued)

Item	Var	CV	Variable Name or Code Value
barrier	39	36	Concrete traffic barrier or other longit
barrier	136	36	Concrete traffic barrier or other longit
barrier	165	36	Concrete traffic barrier or other longit
beacon	21	4	Flashing traffic control signal or flash
beacon	50	4	Flashing traffic control signal or flash
belt	206	1	Lap/shoulder belt
benz	109	42	Mercedes Benz
bicycle	112	81	Moped (motorized bicycle)
bicycle	155	81	Moped (motorized bicycle)
bicycle	309	1	Bicycle helmet
bicyclist	26	24	Motorist makes right turn in front of cy
big	26	40	Play vehicle (big wheel, other tricycle,
billboard	105	4	Building, billboard, or other design fea
blackout	215	1	Ill, blackout
blackout	315	1	Ill, blackout
blind	215	7	Blind
blind	315	7	Blind
blow	138	10	Blow out or flat tire
blowing	24	8	Other (smog, smoke, blowing sand/dust/sn
blowing	51	8	Other (smog, smoke, blowing sand/dust/sn
bmw	109	34	BMW
body	112	*	BODY TYPE
body	113	*	CARGO BODY TYPE
body	123	14	Body, doors
body	155	*	IMPUTED BODY TYPE
boulder	11	46	Boulder
boulder	39	46	Boulder
boulder	136	46	Boulder
boulder	165	46	Boulder
box	113	2	Van/enclosed box
brake	123	2	Brake system
braked	139	1	Braked/slowed
brat	112	10	Auto-based pickup (includes El Camino, C
brat	155	10	Auto-based pickup (includes El Camino, C
bridge	11	34	Bridge structure (pier/abutment/parapet
bridge	14	6	On a bridge
bridge	39	34	Bridge Structure (pier/abutment/parapet
bridge	47	6	On a bridge
bridge	136	34	Bridge structure (pier/abutment/parapet
bridge	165	34	Bridge structure (pier/abutment/parapet
bright	105	2	Reflected glare, bright sunlight, headli
brockway	109	80	Brockway
broken	105	14	Broken or improperly cleaned windshield
bronco	112	14	Compact utility (Jeep CJ-5, Renegade, Go
bronco	155	14	Compact utility (Jeep CJ-5, Renegade, Go
bsa	109	70	BSA
buick	109	18	Buick
building	11	32	Building
building	39	32	Building
building	105	4	Building, billboard, or other design fea
building	136	32	Building
building	165	32	Building
bus	25	*	SCH BUS RELATED TO ACC
bus	26	110	Commercial bus
bus	109	98	Other (truck or bus)
bus	112	24	Van-based school bus

GES 1998 Index (continued)

Item	Var	CV	Variable Name or Code Value
bus	113	1	Bus
bus	116	2	Vehicle used as school bus
bus	155	24	Van-based school bus
bus-based	112	58	Other bus (e.g., transit intercity bus-b
bus-based	155	58	Other bus (e.g., transit intercity bus-b
bush	11	44	Shrubbery or bush
bush	39	44	Shrubbery or bush
bush	136	44	Shrubbery or bush
bush	165	44	Shrubbery or bush
cab	112	40	Cab chassis-based (includes rescue vehic
cab	155	40	Cab chassis-based (includes rescue vehic
cab	205	50	Sleeper section of cab (truck)
cab	229	50	Sleeper section of cab (truck)
caballero	112	10	Auto-based pickup (includes El Camino, C
caballero	155	10	Auto-based pickup (includes El Camino, C
cadillac	109	19	Cadillac
camino	112	10	Auto-based pickup (includes El Camino, C
camino	155	10	Auto-based pickup (includes El Camino, C
camper	112	32	Pickup with slide-in camper
camper	155	32	Pickup with slide-in camper
cane	215	3	Requires cane or crutches
cane	315	3	Requires cane or crutches
car	31	1	Group 1 - All crashes involving a towed
car	108	1	Yes, driver or car and driver left scene
car	116	7	Fire truck and car
car	150	1	Group 1 - All crashes involving a towed
car	156	1	Yes, driver or car and driver left scene
car	221	1	Group 1 - All crashes involving a towed
car	321	1	Group 1 - All crashes involving a towed
caravan	112	20	Minivan (Astro, Caravan, Plymouth Vista,
caravan	155	20	Minivan (Astro, Caravan, Plymouth Vista,
cargo	112	11	Auto-based panel (cargo station wagon, a
cargo	113	*	CARGO BODY TYPE
cargo	155	11	Auto-based panel (cargo station wagon, a
cargo	205	51	Other passenger in passenger or cargo ar
cargo	229	51	Other passenger in passenger or cargo ar
carrier's	154	*	CARRIER'S ID NUMBER
carry	112	50	School bus (designed to carry students,
carry	155	50	School bus (designed to carry students,
case	1	*	CASE NUMBER
case	101	*	CASE NUMBER
case	201	*	CASE NUMBER
case	301	*	CASE NUMBER
cases	26	14	Motorist loses control of veh while over
cassette	107	2	Vehicle instrument display (radio, casse
causing	26	17	Cyclist's path is obstructed; causing cy
cb	107	2	Vehicle instrument display (radio, casse
changing	137	16	Changing lanes
changing	158	16	Changing lanes
changing	318	3	Improper or erratic lane changing
channel	138	460	Entering from "yield" entrance (ramp/cha
charged	104	*	VIOLATIONS CHARGED
charged	162	*	IMP VIOLATIONS CHARGED
chassis	112	12	Large limousine (more than four side doo
chassis	155	12	Large limousine (more than four side doo
chassis-based	112	40	Cab chassis-based (includes rescue vehic

GES 1998 Index (continued)

Item	Var	CV	Variable Name or Code Value
chassis-based	155	40	Cab chassis-based (includes rescue vehic
cherokee	112	15	Large utility (Jeep Cherokee, Ramcharger
cherokee	155	15	Large utility (Jeep Cherokee, Ramcharger
chev	112	16	Utility station wagon (Chev. Suburban, G
chev	155	16	Utility station wagon (Chev. Suburban, G
chevrolet	109	20	Chevrolet
chevy	112	21	Large van (Sportvan, Chevy Van, Club Wag
chevy	155	21	Large van (Sportvan, Chevy Van, Club Wag
child	206	6	Child safety seat
chrysler	109	6	Chrysler
city	112	97	Other type vehicle (e.g., go-cart, fork
city	155	97	Other type vehicle (e.g., go-cart, fork
cj-5	112	14	Compact utility (Jeep CJ-5, Renegade, Go
cj-5	155	14	Compact utility (Jeep CJ-5, Renegade, Go
classify	26	37	Insufficient information to classify
cleaned	105	14	Broken or improperly cleaned windshield
clear	26	6	Cyclist fails to clear intersection cont
clockwise	140	2	Vehicle rotated (yawed) clockwise
club	112	21	Large van (Sportvan, Chevy Van, Club Wag
club	155	21	Large van (Sportvan, Chevy Van, Club Wag
code	147	*	DRIVERS ZIP CODE
coded	27	8	No person coded in crash
coded	28	98	No person coded
coded	29	8	No person coded
coded	37	8	No person coded
coded	43	8	No person coded in crash
coded	45	99	No person coded
coded	144	8	No person coded in crash
coded	145	98	No person coded
coded	146	8	No person coded
coded	160	8	No person coded in crash
coded	161	99	Not applicable - no occupants coded for
coded	164	8	No person coded
collide	26	26	Vehicles collide head-on; wrong-way bicy
collided	26	25	Vehicles collided at uncontrolled inters
collision	12	*	MANNER OF COLLISION
collision	42	*	IMP MANNER OF COLLISION
collision	138	0	Not applicable/no collision
color	21	1	Traffic control signal (on colors)
color	50	1	Traffic control signal (on colors)
combination	140	20	Combination of 02 through 09
commercial	26	2	Cyclist fails to yield to motorist at a
compact	112	14	Compact utility (Jeep CJ-5, Renegade, Go
compact	155	14	Compact utility (Jeep CJ-5, Renegade, Go
concrete	11	36	Concrete traffic barrier or other longit
concrete	39	36	Concrete traffic barrier or other longit
concrete	113	6	Concrete mixer
concrete	136	36	Concrete traffic barrier or other longit
concrete	165	36	Concrete traffic barrier or other longit
condition	20	*	ROADWAY SURFACE COND
condition	21	41	Warning sign for road conditions (hill,
condition	23	*	LIGHT CONDITION
condition	24	*	ATMOSPHERIC CONDITION
condition	41	*	IMP LIGHT CONDITION
condition	49	*	IMP ROADWAY SURFACE COND
condition	50	41	Warning sign for road conditions (hill,

GES 1998 Index (continued)

Item	Var	CV	Variable Name or Code Value
condition	51	*	I ATMOSPHERIC CONDITION
condition	106	2	Poor road conditions (puddle, ice, potho
condition	138	50	Poor road conditions (puddle, pothole, i
congressional	36	2	Congressional high priority route
connector	36	4	STRAHNET major connector
construction	21	42	Warning sign for road construction
construction	50	42	Warning sign for road construction
construction	112	93	Construction equipment other than trucks
construction	116	12	Construction equipment
construction	155	93	Construction equipment other than trucks
contrib	123	*	VEHICLE CONTRIB FACTORS
contributing	123	97	Vehicle contributing factors - no detail
control	21	*	TRAFFIC CONTROL DEVICE
control	26	14	Motorist loses control of veh while over
control	50	*	I TRAFFIC CONTROL DEVICE
control	123	13	Driver seating and control
control	140	*	PRECRASH VEHICLE CONTROL
control	318	8	Failure to obey traffic signs/control de
controlled	26	5	Cyclist fails to yield to motorist at an
conventional	112	39	Unknown (pickup style) light conventiona
conventional	155	39	Unknown (pickup style) light conventiona
convertible	112	1	Convertible (excludes sun roof, t-bar)
convertible	155	1	Convertible (excludes sun roof, t-bar)
corner	26	31	Bicyclist cuts corner when turning left;
corner	128	11	Front right corner
corner	157	11	Front right corner
corrective	137	18	Successful corrective action to a previo
corrective	139	*	CORRECTIVE ACTION ATTEMP
corrective	141	99	Vehicle path after corrective action unk
corrective	158	18	Successful corrective action to a previo
coss	26	6	Cyclist fails to clear intersection cont
counteract	26	15	The motorist and the cyclist counteract
counteractive	26	30	Vehicles collide head-on; counteractive
counter-clockwise	140	3	Vehicle rotated (yawed) counter-clockwis
country	33	*	REGION OF COUNTRY
country	112	50	School bus (designed to carry students,
country	152	*	REGION OF COUNTRY
country	155	50	School bus (designed to carry students,
country	223	*	REGION OF COUNTRY
country	323	*	REGION OF COUNTRY
coupe	112	2	2-door sedan, hardtop, coupe
coupe	155	2	2-door sedan, hardtop, coupe
crash	11	33	Impact attenuator or crash cushion
crash	21	43	Warning sign for environment/traffic (fo
crash	27	8	No person coded in crash
crash	28	0	No person injured / property damage only
crash	39	33	Impact attenuator or crash cushion
crash	43	8	No person coded in crash
crash	45	0	No person injured / property damage only
crash	50	43	Warning sign for environment/traffic (fo
crash	107	5	Other crash ("rubbernecking")
crash	136	33	Impact attenuator or crash cushion
crash	143	98	Other crash type
crash	144	8	No person coded in crash
crash	160	8	No person coded in crash
crash	165	33	Impact attenuator or crash cushion

GES 1998 Index (continued)

Item	Var	CV	Variable Name or Code Value
crash	213	6	Died prior to crash
crash	228	6	Died prior to crash
crash	313	6	Died prior to crash
crash	328	6	Died prior to crash
crashes	31	1	Group 1 - All crashes involving a towed
crashes	150	1	Group 1 - All crashes involving a towed
crashes	221	1	Group 1 - All crashes involving a towed
crashes	321	1	Group 1 - All crashes involving a towed
cream	26	130	Ice cream vendor
critical	137	*	PRIOR TO CRITICAL EVENT
critical	138	*	CRITICAL EVENT
critical	158	*	I PRIOR TO CRITICAL EVEN
crop	105	5	Trees, crops, vegetation
cross	26	7	Cyclist fails to clear intersection cont
cross	112	50	School bus (designed to carry students,
cross	155	50	School bus (designed to carry students,
cross-buck	21	62	Passive devices (stop sign, cross-bucks)
cross-buck	50	62	Passive devices (stop sign, cross-bucks)
crossing	14	5	Rail grade crossing
crossing	21	51	Officer, crossing guard, flagman, etc.
crossing	26	25	Vehicles collided at uncontrolled inters
crossing	47	5	Rail grade crossing
crossing	50	51	Officer, crossing guard, flagman, etc.
crossing	318	22	Improper crossing of roadway or intersec
crosswalk	319	1	Intersection - in crosswalk
crosswind	24	8	Other (smog, smoke, blowing sand/dust/sn
crosswind	51	8	Other (smog, smoke, blowing sand/dust/sn
crutches	215	3	Requires cane or crutches
crutches	315	3	Requires cane or crutches
culvert	11	38	Culvert or ditch
culvert	39	38	Culvert or ditch
culvert	136	38	Culvert or ditch
culvert	165	38	Culvert or ditch
curb	11	39	Curb
curb	26	4	Cyclist fails to yield to motorist at a
curb	39	39	Curb
curb	126	20	Tripped rollover - by curb
curb	136	39	Curb
curb	165	39	Curb
curve	18	2	Curve
curve	38	2	Curve
curve	105	3	Curve or hill
curve	137	15	Negotiating a curve
curve	158	15	Negotiating a curve
cushion	11	33	Impact attenuator or crash cushion
cushion	39	33	Impact attenuator or crash cushion
cushion	136	33	Impact attenuator or crash cushion
cushion	165	33	Impact attenuator or crash cushion
cuts	26	31	Bicyclist cuts corner when turning left;
cycle	11	22	Cycle or cyclist (pedalcycle or pedalcyc
cycle	39	22	Cycle or cyclist (pedalcycle or pedalcyc
cycle	112	88	Other motored cycle type (minibike, moto
cycle	136	22	Cycle or cyclist (pedalcycle or pedalcyc
cycle	155	88	Other motored cycle type (minibike, moto
cycle	165	22	Cycle or cyclist (pedalcycle or pedalcyc
cyclist	11	22	Cycle or cyclist (pedalcycle or pedalcyc

GES 1998 Index (continued)

Item	Var	CV	Variable Name or Code Value
cyclist	26	*	PED/CYCLIST ACC TYPE
cyclist	39	22	Cycle or cyclist (pedalcycle or pedalcyc
cyclist	136	22	Cycle or cyclist (pedalcycle or pedalcyc
cyclist	165	22	Cycle or cyclist (pedalcycle or pedalcyc
cyclist	304	6	Cyclist (pedalcyclist)
cyclist's	26	17	Cyclist's path is obstructed; causing cy
daihatsu	109	60	Daihatsu
damage	28	0	No person injured / property damage only
damage	45	0	No person injured / property damage only
damage	128	0	No damage/noncollision
damage	129	*	DAMAGE AREA #1
damage	130	*	DAMAGE AREA #2
damage	131	*	DAMAGE AREA #3
damage	132	*	DAMAGE AREA #4
damage	133	*	DAMAGE AREA #5
damage	134	*	DAMAGE SEVERITY
damage	135	2	Towed due to damage
damage	157	0	No damage/noncollision
damaged	129	7	All areas damaged
damaged	130	7	All areas damaged
damaged	131	7	All areas damaged
damaged	132	7	All areas damaged
damaged	133	7	All areas damaged
dark	23	2	Dark
dark	41	2	Dark
darting	318	21	Darting or running into road
dart-out	26	821	Midblock dart-out - first half
dash	26	730	Intersection dash
date	2	*	ACCIDENT DATE - MONTH
date	3	*	ACCIDENT DATE - YEAR
datsum	109	35	Nissan/Datsun
dawn	23	4	Dawn
dawn	41	4	Dawn
day	4	*	ACCIDENT DAY OF WEEK
day	52	*	I ACCIDENT DAY OF WEEK
daylight	23	1	Daylight
daylight	41	1	Daylight
deaf	215	6	Deaf
deaf	315	6	Deaf
decelerating	137	2	Decelerating in traffic lane
decelerating	138	215	Traveling in same direction while decele
decelerating	158	2	Decelerating in traffic lane
december	2	12	December
defect	123	0	No vehicle defects
defog	105	9	Inadequate defrost or defog system
defrost	105	9	Inadequate defrost or defog system
deleted	137	94	More than two vehicles involved (deleted
departed	141	4	Vehicle departed roadway
departure	138	102	End departure
deployed	208	1	Deployed
derivative	112	13	Three wheeled automobile or automobile d
derivative	155	13	Three wheeled automobile or automobile d
design	105	4	Building, billboard, or other design fea
designed	112	50	School bus (designed to carry students,
designed	155	50	School bus (designed to carry students,
detect	26	13	Motorist fails to detect cyclist he/she

GES 1998 Index (continued)

Item	Var	CV	Variable Name or Code Value
device	21	*	TRAFFIC CONTROL DEVICE
device	50	*	I TRAFFIC CONTROL DEVICE
device	304	4	Occupant of a non-motor vehicle transpor
device	318	8	Failure to obey traffic signs/control de
diagonal	138	330	From parallel/diagonal parking lane
diamond	109	81	Diamond Reo, Reo
died	27	6	Died prior
died	43	6	Died prior
died	144	6	Died prior
died	160	6	Died prior
died	213	6	Died prior to crash
died	228	6	Died prior to crash
died	313	6	Died prior to crash
died	328	6	Died prior to crash
direction	12	5	Sideswipe, same direction
direction	26	18	Cyclist turns left in front of motorist
direction	42	5	Sideswipe, same direction
direction	138	210	Traveling in same direction with lower s
direction	140	9	Vehicle rotated (yawed) unknown directio
directions	139	15	Steered in both directions
dirt	20	5	Sand, dirt, oil
dirt	49	5	Sand, dirt, oil
disabled	26	310	To/from disabled vehicle
disabled	137	6	Disabled or parked in travel lane
disabled	158	6	Disabled or parked in travel lane
disabling	134	3	Disabling (severe)
disabling	138	30	Disabling vehicle failure (e.g. wheel fe
display	107	2	Vehicle instrument display (radio, casse
distracted	107	*	DRIVER DISTRACTED BY
distractions	107	4	Other internal distractions
ditch	11	38	Culvert or ditch
ditch	39	38	Culvert or ditch
ditch	126	22	Tripped rollover - by ditch
ditch	136	38	Culvert or ditch
ditch	165	38	Culvert or ditch
divided	16	1	Not physically divided (two way trafficw
dodge	109	7	Dodge
domestic	109	29	Other domestic
door	112	7	Hatchback, number of doors unknown
door	123	14	Body, doors
door	155	7	Hatchback, number of doors unknown
drive	26	48	Drive out - intersection (motorist drove
drive	123	5	Power train - universal joint, drive sha
driven	135	1	Driven away
driver	26	760	Driver violation
driver	103	*	DRIVER PRESENCE
driver	106	*	DRIVER MANEUVER TO AVOID
driver	107	*	DRIVER DISTRACTED BY
driver	108	1	Yes, driver or car and driver left scene
driver	123	13	Driver seating and control
driver	137	0	No driver present
driver	139	99	Unknown if driver attempted any correcti
driver	141	0	No driver present
driver	147	*	DRIVERS ZIP CODE
driver	156	1	Yes, driver or car and driver left scene
driver	158	0	No driver present

GES 1998 Index (continued)

Item	Var	CV	Variable Name or Code Value
driver	204	1	Driver of motor vehicle in transport
driver	319	0	Not applicable - driver or occupant of M
driver'	205	11	Front seat - left side (driver's side)
driver'	229	11	Front seat - left side (driver's side)
driverless	26	210	Driverless vehicle
driverless	103	0	Unattended vehicle (driverless or no dri
driverppresent	140	0	No driverpPresent
drives	26	35	Motorist drives out from on-street parki
driveway	14	3	Driveway, alley access, etc.
driveway	26	1	Cyclist fails to yield to motorist at a
driveway	47	3	Driveway, alley access, etc.
driveway	138	430	Entering driveway, alley access, etc.
driving	24	1	No adverse atmospheric related driving c
driving	51	1	No adverse atmospheric related driving c
driving	104	4	Reckless driving
driving	162	4	Reckless driving
driving	318	10	Driving on wrong side of road
drove	26	48	Drive out - intersection (motorist drove
drowsy	215	2	Drowsy, sleepy, fell asleep, fatigued
drowsy	315	2	Drowsy, sleepy, fell asleep, fatigued
drug	104	1	Alcohol or drugs
drug	162	1	Alcohol or drugs
drug	216	7	Alcohol and/or drugs involved
drug	217	*	PAR DRUG INVOLVEMENT
drug	226	7	Alcohol and/or drugs involved
drug	316	7	Alcohol and/or drugs involved
drug	317	*	PAR DRUG INVOLVEMENT
drug	326	7	Alcohol and/or drugs involved
dry	20	1	Dry
dry	49	1	Dry
ducati	109	71	Ducati
dump	112	40	Cab chassis-based (includes rescue vehic
dump	113	5	Dump
dump	155	40	Cab chassis-based (includes rescue vehic
dusk	23	5	Dusk
dusk	41	5	Dusk
dust	24	8	Other (smog, smoke, blowing sand/dust/sn
dust	51	8	Other (smog, smoke, blowing sand/dust/sn
dust	105	1	Rain, snow, fog, smoke, sand, dust
each	26	15	The motorist and the cyclist counteract
eagle	109	10	Eagle
eagle	112	14	Compact utility (Jeep CJ-5, Renegade, Go
eagle	155	14	Compact utility (Jeep CJ-5, Renegade, Go
earlier	111	1940	1940 and earlier
earlier	159	1940	1940 and earlier
eating	318	24	Inattentive (talking, eating, etc.)
econoline	112	21	Large van (Sportvan, Chevy Van, Club Wag
econoline	155	21	Large van (Sportvan, Chevy Van, Club Wag
edge	138	100	Over left edge of roadway
eis	36	1	Eisenhower Interstate System (EIS)
eisenhower	36	1	Eisenhower Interstate System (EIS)
either	26	24	Motorist makes right turn in front of cy
ejected	210	0	Not ejected
ejected	227	0	Not ejected
ejection	210	*	OCCUPANT EJECTION
ejection	227	*	IMPUT OCCUPANT EJECTION

GES 1998 Index (continued)

Item	Var	CV	Variable Name or Code Value
el	112	10	Auto-based pickup (includes El Camino, C
el	155	10	Auto-based pickup (includes El Camino, C
embankment	11	40	Embankment
embankment	39	40	Embankment
embankment	105	4	Building, billboard, or other design fea
embankment	136	40	Embankment
embankment	165	40	Embankment
emergency	26	330	Emergency vehicle related
emergency	120	*	EMERGENCY USE
enclosed	113	2	Van/enclosed box
encroaching	138	497	Encroaching - other
engine	138	20	Stalled engine
entering	26	150	Entering/exiting
entering	137	8	Entering a parked position
entering	138	410	Entering intersection - turning into sam
entering	158	8	Entering a parked position
entrance	14	4	Entrance/exit ramp
entrance	47	4	Entrance/exit ramp
entrance	138	460	Entering from "yield" entrance (ramp/cha
entry	26	4	Cyclist fails to yield to motorist at a
entry	318	5	Making improper entry to or exit from tr
environment	21	43	Warning sign for environment/traffic (fo
environment	50	43	Warning sign for environment/traffic (fo
equipment	112	92	Farm equipment other than trucks
equipment	116	11	Farm equipment
equipment	155	92	Farm equipment other than trucks
equipment	309	*	NONMOT SAFETY EQUIP USE
equipment	318	2	Operating without required equipment
erratic	318	3	Improper or erratic lane changing
evasive	26	15	The motorist and the cyclist counteract
even	158	*	I PRIOR TO CRITICAL EVEN
event	11	*	FIRST HARMFUL EVENT
event	39	*	IMP FIRST HARMFUL EVENT
event	136	*	MOST HARMFUL EVENT
event	137	*	PRIOR TO CRITICAL EVENT
event	138	*	CRITICAL EVENT
event	158	18	Successful corrective action to a previo
event	165	*	IMP MOST HARMFUL EVENT
excessive	138	60	Excessive speed
excluding	112	6	Station wagon (excluding van and truck b
excluding	155	6	Station wagon (excluding van and truck-b
exhaust	123	6	Exhaust system
exit	14	4	Entrance/exit ramp
exit	47	4	Entrance/exit ramp
exit	318	5	Making improper entry to or exit from tr
exiting	26	8	Motorist exiting from driveway, alley, o
explosion	11	2	Fire/Explosion
explosion	39	2	Fire/explosion
explosion	136	2	Fire/explosion
explosion	165	2	Fire/explosion
expressway	26	520	Expressway crossing
exterior	205	53	Riding on vehicle exterior
exterior	229	53	Riding on vehicle exterior
external	107	6	Other external distractions
factor	123	*	VEHICLE CONTRIB FACTORS
failing	318	1	Failing to have lights on when required

GES 1998 Index (continued)

Item	Var	CV	Variable Name or Code Value
fails	26	1	Cyclist fails to yield to motorist at a
failure	104	6	Failure to yield right-of-way
failure	138	30	Disabling vehicle failure (e.g. wheel fe
failure	162	6	Failure to yield right-of-way
failure	318	4	Failure to keep in proper lane or runnin
falling	11	10	Thrown or falling object
falling	39	10	Thrown or falling object
falling	136	10	Thrown or falling object
falling	165	10	Thrown or falling object
farm	112	92	Farm equipment other than trucks
farm	116	11	Farm equipment
farm	155	92	Farm equipment other than trucks
fatal	27	4	Fatal
fatal	43	4	Fatal
fatal	144	4	Fatal
fatal	160	4	Fatal
fatal	213	4	K - Fatal injury
fatal	228	4	K - Fatal injury
fatal	313	4	K - Fatal injury
fatal	328	4	K - Fatal injury
fatigued	215	2	Drowsy, sleepy, fell asleep, fatigued
fatigued	315	2	Drowsy, sleepy, fell asleep, fatigued
feature	105	4	Building, billboard, or other design fea
february	2	2	February
fell	11	6	Noncollision injury (injured in vehicle,
fell	39	6	Noncollision injury (injured in vehicle,
fell	138	30	Disabling vehicle failure (e.g. wheel fe
fell	215	2	Drowsy, sleepy, fell asleep, fatigued
fell	315	2	Drowsy, sleepy, fell asleep, fatigued
female	212	2	Female
female	230	2	Female
female	312	2	Female
female	330	2	Female
fence	11	41	Fence
fence	39	41	Fence
fence	136	41	Fence
fence	165	41	Fence
fiat	109	36	Fiat
fire	11	2	Fire/Explosion
fire	39	2	Fire/explosion
fire	116	7	Fire truck and car
fire	127	*	FIRE OCCURRENCE
fire	136	2	Fire/explosion
fire	165	2	Fire/explosion
fixed	11	28	Other object not fixed
fixed	39	28	Other object not fixed
fixed	136	28	Other object not fixed
fixed	165	28	Other object not fixed
flagman	21	51	Officer, crossing guard, flagman, etc.
flagman	50	51	Officer, crossing guard, flagman, etc.
flashing	21	4	Flashing traffic control signal or flash
flashing	26	5	Cyclist fails to yield to motorist at an
flashing	50	4	Flashing traffic control signal or flash
flat	138	10	Blow out or flat tire
flatbed	113	4	Flatbed
flow	16	*	TRAFFICWAY FLOW

GES 1998 Index (continued)

Item	Var	CV	Variable Name or Code Value
fog	21	43	Warning sign for environment/traffic (fo
fog	24	5	Fog
fog	50	43	Warning sign for environment/traffic (fo
fog	51	5	Fog
fog	105	1	Rain, snow, fog, smoke, sand, dust
ford	109	12	Ford
ford	112	21	Large van (Sportvan, Chevy Van, Club Wag
ford	155	21	Large van (Sportvan, Chevy Van, Club Wag
foreign	109	69	Other foreign
fork	112	97	Other type vehicle (e.g., go-cart, fork
fork	155	97	Other type vehicle (e.g., go-cart, fork
freightliner	109	82	Freightliner, White
friday	4	6	Friday
friday	52	6	Friday
front	26	18	Cyclist turns left in front of motorist
front	128	1	Front
front	129	1	Front
front	130	1	Front
front	131	1	Front
front	132	1	Front
front	133	1	Front
front	157	1	Front
front	205	11	Front seat - left side (driver's side)
front	229	11	Front seat - left side (driver's side)
function	208	*	AIRBAG AVAIL/FUNCTION
functional	134	2	Functional (moderate)
fwd	109	83	FWD
garbage	113	8	Garbage/refuse
gate	21	61	Active devices (gates, flashing lights,
gate	50	61	Active devices (gates, flashing lights,
general	109	3	AM General
glare	105	2	Reflected glare, bright sunlight, headli
gmc	109	23	GMC
gmc	112	16	Utility station wagon (Chev. Suburban, G
gmc	155	16	Utility station wagon (Chev. Suburban, G
go-cart	112	97	Other type vehicle (e.g., go-cart, fork
go-cart	155	97	Other type vehicle (e.g., go-cart, fork
golden	112	14	Compact utility (Jeep CJ-5, Renegade, Go
golden	155	14	Compact utility (Jeep CJ-5, Renegade, Go
grade	14	5	Rail grade crossing
grade	19	2	Grade
grade	21	41	Warning sign for road conditions (hill,
grade	46	2	Grade
grade	47	5	Rail grade crossing
grade	50	41	Warning sign for road conditions (hill,
grader	112	93	Construction equipment other than trucks
grader	155	93	Construction equipment other than trucks
grand	112	16	Utility station wagon (Chev. Suburban, G
grand	155	16	Utility station wagon (Chev. Suburban, G
grate	11	50	Pavement surface irregularity (ruts, pot
grate	39	50	Pavement surface irregularity (ruts, pot
grate	136	50	Pavement surface irregularity (ruts, pot
grate	165	50	Pavement surface irregularity (ruts, pot
green	26	6	Cyclist fails to clear intersection cont
ground	11	31	Ground
ground	39	31	Ground

GES 1998 Index (continued)

Item	Var	CV	Variable Name or Code Value
ground	136	31	Ground
ground	165	31	Ground
group	31	1	Group 1 - All crashes involving a towed
group	150	1	Group 1 - All crashes involving a towed
group	221	1	Group 1 - All crashes involving a towed
group	321	1	Group 1 - All crashes involving a towed
grumman	109	25	Grumman
guard	21	51	Officer, crossing guard, flagman, etc.
guard	50	51	Officer, crossing guard, flagman, etc.
guardrail	11	35	Guardrail
guardrail	39	35	Guardrail
guardrail	126	21	Tripped rollover - by guardrail
guardrail	136	35	Guardrail
guardrail	165	35	Guardrail
hail	24	8	Other (smog, smoke, blowing sand/dust/sn
hail	51	8	Other (smog, smoke, blowing sand/dust/sn
hardtop	112	2	2-door sedan, hardtop, coupe
hardtop	155	2	2-door sedan, hardtop, coupe
harley-davidson	109	72	Harley-Davidson
harmful	11	*	FIRST HARMFUL EVENT
harmful	39	*	IMP FIRST HARMFUL EVENT
harmful	136	*	MOST HARMFUL EVENT
harmful	165	*	IMP MOST HARMFUL EVENT
harvester	109	84	International Harvester/Navistar
hatchback	112	3	3-door/2-door hatchback
hatchback	155	3	3-door/2-door hatchback
hazardous	117	*	HAZ MATERIAL PLACARD NO
hazardous	118	*	HAZ MATERIALS PLACARDED
hazardous	119	*	HAZ MATERIALS RELEASE
head	105	13	Head restraints
headlight	105	2	Reflected glare, bright sunlight, headli
headlight	123	7	Headlights
head-on	12	2	Head-on
head-on	26	26	Vehicles collide head-on; wrong-way bicy
head-on	42	2	Head-on
healey	109	33	Austin/Austin Healey
hearse	112	11	Auto-based panel (cargo station wagon, a
hearse	116	10	Hearse
hearse	155	11	Auto-based panel (cargo station wagon, a
heating	107	2	Vehicle instrument display (radio, casse
heavy	31	2	Group 2 - All crashes involving a medium
heavy	112	65	Medium/heavy truck-based motorhome
heavy	150	2	Group 2 - All crashes involving a medium
heavy	155	65	Medium/heavy truck-based motorhome
heavy	221	2	Group 2 - All crashes involving a medium
heavy	321	2	Group 2 - All crashes involving a medium
helmet	206	5	Motorcycle helmet
helmet	309	1	Bicycle helmet
hi-cube	112	28	Other van type (Hi-Cube, Kary)
hi-cube	155	28	Other van type (Hi-Cube, Kary)
high	36	2	Congressional high priority route
higher	138	220	Traveling in same direction with higher
highway	13	*	INTERSTATE HIGHWAY
highway	16	2	Divided highway (median strip, barrier)
highway	36	3	Strategic Highway Network (STRAHNET) rou
hill	21	41	Warning sign for road conditions (hill,

GES 1998 Index (continued)

Item	Var	CV	Variable Name or Code Value
hill	50	41	Warning sign for road conditions (hill,
hill	105	3	Curve or hill
hillcrest	19	3	Hillcrest
hillcrest	46	3	Hillcrest
hit-and-run	103	2	Hit-and-run
hit-and-run	105	50	Hit-and-run vehicle (and no information)
hit-and-run	108	*	HIT-AND-RUN
hit-and-run	123	50	Hit-and-run vehicle
hit-and-run	156	*	IMPUTED HIT-AND-RUN
hitch	123	15	Trailer hitch
hitchhiking	26	510	Hitchhiking
honda	109	37	Honda
hospital	214	*	TAKEN TO HOSP/TREATMENT
hospital	314	*	TAKEN TO HOSP/TREATMENT
hot	26	230	Hot pursuit
hour	5	*	ACCIDENT TIME - HOUR
hour	40	*	IMP ACCIDENT TIME - HOUR
hydrant	11	43	Fire hydrant
hydrant	39	43	Fire hydrant
hydrant	136	43	Fire hydrant
hydrant	165	43	Fire hydrant
hyundai	109	55	Hyundai
ice	20	4	Ice
ice	26	130	Ice cream vendor
ice	49	4	Ice
ice	106	2	Poor road conditions (puddle, ice, potho
ice	138	50	Poor road conditions (puddle, pothole, i
identifier	154	*	CARRIER'S ID NUMBER
ill	215	1	Ill, blackout
ill	315	1	Ill, blackout
immersion	11	3	Immersion
immersion	39	3	Immersion
immersion	136	3	Immersion
immersion	165	3	Immersion
impac	157	*	I INITIAL POINT OF IMPAC
impact	11	33	Impact attenuator or crash cushion
impact	39	33	Impact attenuator or crash cushion
impact	128	*	INITIAL POINT OF IMPACT
impact	136	33	Impact attenuator or crash cushion
impact	143	0	No impact
impact	157	99	Initial point of impact unknown
impact	165	33	Impact attenuator or crash cushion
impaired	215	5	Impaired due to previous injury
impaired	315	5	Impaired due to previous injury
impairment	215	*	OCCUPANT IMPAIRMENT
impairment	315	*	NMTR PHYSICAL IMPAIRMENT
imperial	109	8	Imperial
improper	318	3	Improper or erratic lane changing
improperly	105	14	Broken or improperly cleaned windshield
imputed	37	*	IMP ALC INVOLVED IN ACC
imputed	38	*	IMP ROADWAY ALIGNMENT
imputed	39	*	IMP FIRST HARMFUL EVENT
imputed	40	*	IMP ACCIDENT TIME - HOUR
imputed	41	*	IMP LIGHT CONDITION
imputed	42	*	IMP MANNER OF COLLISION
imputed	43	*	IMP MAX INJ SEV. IN ACC

GES 1998 Index (continued)

Item	Var	CV	Variable Name or Code Value
imputed	44	*	IMP ACC TIME - MINUTE
imputed	46	*	IMPUTED ROADWAY PROFILE
imputed	47	*	IMP RELATION TO JUNCTION
imputed	48	*	IMPUTED SPEED LIMIT
imputed	49	*	IMP ROADWAY SURFACE COND
imputed	155	*	IMPUTED BODY TYPE
imputed	156	*	IMPUTED HIT-AND-RUN
imputed	159	*	IMPUTED MODEL YEAR
imputed	160	*	IMP MAX INJ SEV. IN VEH
imputed	161	*	IMP NUM INJURED IN VEH
imputed	162	*	IMP VIOLATIONS CHARGED
imputed	163	*	IMPUTED VEHICLE ROLE
imputed	164	*	IMP ALC INVOLVED IN VEH
imputed	165	*	IMP MOST HARMFUL EVENT
imputed	225	*	IMPUTED OCCUPANT AGE
imputed	226	*	IMP PAR ALC INVOLVEMENT
imputed	227	*	IMPUT OCCUPANT EJECTION
imputed	228	*	IMP OCC INJURY SEVERITY
imputed	229	*	IMP OCC SEATING POSITION
imputed	230	*	IMPUTED OCCUPANT SEX
imputed	325	*	IMPUTED NONMOTORIST AGE
imputed	326	*	IMP PAR ALC INVOLVEMENT
imputed	328	*	IMP NMTR INJURY SEVERITY
imputed	330	*	IMPUTED NONMOTORIST SEX
inadequate	26	920	Inadequate information
inadequate	105	9	Inadequate defrost or defog system
inattentive	318	24	Inattentive (talking, eating, etc.)
incapacitating	27	3	Incapacitating
incapacitating	43	3	Incapacitating
incapacitating	144	3	Incapacitating
incapacitating	160	3	Incapacitating
incapacitating	213	3	A - Incapacitating injury
incapacitating	228	3	A - Incapacitating injury
incapacitating	313	3	A - Incapacitating injury
incapacitating	328	3	A - Incapacitating injury
infiniti	109	58	Infiniti
information	26	37	Insufficient information to classify
information	104	50	Hit & run (and no information)
information	105	50	Hit-and-run vehicle (and no information)
information	106	50	Hit & run (and no information)
information	107	50	Hit & run (and no information)
information	162	50	Hit & run (and no information)
initial	128	*	INITIAL POINT OF IMPACT
initial	157	*	I INITIAL POINT OF IMPAC
injured	11	6	Noncollision injury (injured in vehicle,
injured	28	0	No person injured / property damage only
injured	39	6	Noncollision injury (injured in vehicle,
injured	45	0	No person injured / property damage only
injured	145	*	NUMBER INJURED IN VEH
injured	161	*	IMP NUM INJURED IN VEH
injured	213	5	U - Injured - severity unknown
injured	228	5	U - Injured - severity unknown
injured	313	5	U - Injured - severity unknown
injured	328	5	U - Injured - severity unknown
injury	11	6	Noncollision injury (injured in vehicle,
injury	27	*	MAX INJ SEVERITY IN ACC

GES 1998 Index (continued)

Item	Var	CV	Variable Name or Code Value
injury	28	*	NUM INJ PERSONS IN ACC
injury	39	6	Noncollision injury (injured in vehicle,
injury	43	*	IMP MAX INJ SEV. IN ACC
injury	45	*	I NUM INJ PERSONS IN ACC
injury	121	97	Unknown - only injury reported
injury	136	6	Noncollision injury
injury	144	*	MAX INJ SEVERITY IN VEH
injury	160	*	IMP MAX INJ SEV. IN VEH
injury	165	6	Noncollision injury
injury	213	*	OCC INJURY SEVERITY
injury	215	5	Impaired due to previous injury
injury	228	*	IMP OCC INJURY SEVERITY
injury	313	*	NMTR INJURY SEVERITY
injury	315	5	Impaired due to previous injury
injury	328	*	IMP NMTR INJURY SEVERITY
instrument	107	2	Vehicle instrument display (radio, casse
insufficient	26	37	Insufficient information to classify
intended	138	429	Entering intersection - intended path un
interchange	14	18	Other location in interchange
interchange	47	18	Other location in interchange
intercity	112	58	Other bus (e.g., transit intercity bus-b
intercity	155	58	Other bus (e.g., transit intercity bus-b
interior	105	11	Obstruction interior to vehicle
internal	107	4	Other internal distractions
international	109	84	International Harvester/Navistar
intersecting	26	99	Intersecting path - unknown
intersection	14	1	Intersection
intersection	26	5	Cyclist fails to yield to motorist at an
intersection	47	1	Intersection
intersection	138	410	Entering intersection - turning into sam
intersection	318	22	Improper crossing of roadway or intersec
intersection	319	1	Intersection - in crosswalk
interstate	13	*	INTERSTATE HIGHWAY
interstate	36	1	Eisenhower Interstate System (EIS)
involved	7	*	NUM VEH INVOLVED IN ACC
involved	8	*	NUM NMTR INVOLVED IN ACC
involved	26	0	No pedestrian/cyclist involved
involved	29	*	ALCOHOL INVOLVED IN ACC
involved	37	*	IMP ALC INVOLVED IN ACC
involved	103	0	Unattended vehicle (driverless or no dri
involved	121	*	NUM OCC INVOLVED IN VEH
involved	137	94	More than two vehicles involved (deleted
involved	138	994	More than two vehicles involved
involved	139	94	More than two vehicles involved
involved	140	94	More than two vehicles involved
involved	141	94	More than two vehicles involved
involved	146	*	ALCOHOL INVOLVED IN VEH
involved	158	94	More than two vehicles involved
involved	164	*	IMP ALC INVOLVED IN VEH
involved	216	0	No (alcohol not involved)
involved	217	0	No (drugs not involved)
involved	226	0	No (alcohol not involved)
involved	316	0	No (alcohol not involved)
involved	317	0	No (drugs not involved)
involved	326	0	No (alcohol not involved)
involving	31	1	Group 1 - All crashes involving a towed

GES 1998 Index (continued)

Item	Var	CV	Variable Name or Code Value
involving	150	1	Group 1 - All crashes involving a towed
involving	221	1	Group 1 - All crashes involving a towed
involving	321	1	Group 1 - All crashes involving a towed
irregularity	11	50	Pavement surface irregularity (ruts, pot
irregularity	39	50	Pavement surface irregularity (ruts, pot
irregularity	136	50	Pavement surface irregularity (ruts, pot
irregularity	165	50	Pavement surface irregularity (ruts, pot
isuzu	109	38	Isuzu
iveco	109	88	Iveco/Magirus
jackknife	11	5	Jackknife
jackknife	39	5	Jackknife
jackknife	125	*	JACKKNIFE
jackknife	136	5	Jackknife
jackknife	165	5	Jackknife
jaguar	109	39	Jaguar
jan	137	94	More than two vehicles involved (deleted
january	2	1	January
jaywalking	318	22	Improper crossing of roadway or intersec
jeep	109	2	Jeep (includes Kaiser-Jeep)
jeep	112	14	Compact utility (Jeep CJ-5, Renegade, Go
jeep	155	14	Compact utility (Jeep CJ-5, Renegade, Go
jogger	318	25	Jogger
joint	123	3	Steering system - tie rod, kingpin, ball
july	2	7	July
junction	14	*	RELATION TO JUNCTION
junction	47	*	IMP RELATION TO JUNCTION
june	2	6	June
jurisdiction	30	*	POLICE JURISDICTION
jurisdiction	149	*	POLICE JURISDICTION
jurisdiction	220	*	POLICE JURISDICTION
jurisdiction	320	*	POLICE JURISDICTION
kaiser-jeep	109	2	Jeep (includes Kaiser-Jeep)
kary	112	28	Other van type (Hi-Cube, Kary)
kary	155	28	Other van type (Hi-Cube, Kary)
kawasaki	109	73	Kawasaki
kenworth	109	85	Kenworth
kg	112	22	Step van or walk-in van (< 4,500 kg GVWR
kg	155	22	Step van or walk-in van (< 4,500 kg GVWR
kia	109	63	KIA
kingpin	123	3	Steering system - tie rod, kingpin, ball
lancia	109	40	Lancia
land	9	*	LAND USE
land	109	62	Land Rover
lane	15	2	On shoulder or parking lane
lane	17	*	NUMBER OF TRAVEL LANES
lane	137	2	Decelerating in traffic lane
lane	138	300	From adjacent lane (opposite direction)
lane	141	1	Vehicle stayed In travel lane
lane	158	2	Decelerating in traffic lane
lane	318	3	Improper or erratic lane changing
lap	206	1	Lap/shoulder belt
laterally	140	5	Vehicle slid/skid laterally - no rotatio
least	31	2	Group 2 - All crashes involving a medium
least	150	2	Group 2 - All crashes involving a medium
least	221	2	Group 2 - All crashes involving a medium
least	321	2	Group 2 - All crashes involving a medium

GES 1998 Index (continued)

Item	Var	CV	Variable Name or Code Value
leave	108	0	No, did not leave scene
leave	156	0	No, did not leave scene
leaving	135	*	MANNER OF LEAVING SCENE
leaving	137	7	Leaving a parked position
leaving	158	7	Leaving a parked position
left	26	18	Cyclist turns left in front of motorist
left	108	1	Yes, driver or car and driver left scene
left	128	12	Front left corner
left	137	11	Turning left
left	138	100	Over left edge of roadway
left	139	2	Steered to left
left	141	2	Vehicle stayed on roadway but left trave
left	156	1	Yes, driver or car and driver left scene
left	157	12	Front left corner
left	158	11	Turning left
left	205	11	Front seat - left side (driver's side)
left	229	11	Front seat - left side (driver's side)
leftside	128	3	Leftside
leftside	129	3	Leftside
leftside	130	3	Leftside
leftside	131	3	Leftside
leftside	132	3	Leftside
leftside	133	3	Leftside
leftside	157	3	Leftside
level	19	1	Level
level	46	1	Level
lexus	109	59	Lexus
license	104	5	Driving with a suspended or revoked lice
license	162	5	Driving with a suspended or revoked lice
lift	112	97	Other type vehicle (e.g., go-cart, fork
lift	155	97	Other type vehicle (e.g., go-cart, fork
light	21	61	Active devices (gates, flashing lights,
light	23	*	LIGHT CONDITION
light	26	6	Cyclist fails to clear intersection cont
light	31	1	Group 1 - All crashes involving a towed
light	41	*	IMP LIGHT CONDITION
light	50	61	Active devices (gates, flashing lights,
light	112	39	Unknown (pickup style) light conventiona
light	123	8	Signal lights
light	150	1	Group 1 - All crashes involving a towed
light	155	39	Unknown (pickup style) light conventiona
light	221	1	Group 1 - All crashes involving a towed
light	318	1	Failing to have lights on when required
light	321	1	Group 1 - All crashes involving a towed
lighted	23	3	Dark, but lighted
lighted	41	3	Dark, but lighted
lighting	105	10	Inadequate lighting system
limit	22	*	SPEED LIMIT
limit	48	*	IMPUTED SPEED LIMIT
limousine	112	12	Large limousine (more than four side doo
limousine	155	12	Large limousine (more than four side doo
lincoln	109	13	Lincoln
line	138	310	From adjacent lane (same direction) - ov
listed	109	78	Moped (other than listed manufacturers)
load	105	6	Moving vehicle (including load)
longitudinal	11	36	Concrete traffic barrier or other longit

GES 1998 Index (continued)

Item	Var	CV	Variable Name or Code Value
longitudinal	39	36	Concrete traffic barrier or other longit
longitudinal	136	36	Concrete traffic barrier or other longit
longitudinal	165	36	Concrete traffic barrier or other longit
longitudinally	140	4	Vehicle slid/skid longitudinally - no ro
loses	26	14	Motorist loses control of veh while over
lot	22	0	No statutory limit (parking lot, alley,
lot	26	29	Parking lot, other open area; crossing p
lot	48	0	No statutory limit (parking lot, alley,
lower	138	210	Traveling in same direction with lower s
lying	318	29	Playing, working, sitting, lying, standi
mack	109	86	Mack
macpherson	123	4	Suspension - springs, shock absorbers, m
magirus	109	88	Iveco/Magirus
mailbox	26	140	Mailbox related
maintained	140	1	Vehicle control maintained
major	36	4	STRAHNET major connector
mak	26	10	At an intersection controlled by a signa
make	26	22	Motorist make left turn in front of cycl
make	109	*	MAKE
make	110	*	MAKE/MODEL
makes	26	21	Cyclist riding on wrong side of street m
male	212	1	Male
male	230	1	Male
male	312	1	Male
male	330	1	Male
maneuver	106	*	DRIVER MANEUVER TO AVOID
maneuvered	106	99	Unknown if driver maneuvered to avoid
manner	12	*	MANNER OF COLLISION
manner	42	*	IMP MANNER OF COLLISION
manner	135	*	MANNER OF LEAVING SCENE
manner	318	6	Operating the vehicle in erratic, reckle
manual	207	2	Manual (active)
manufacturers	109	78	Moped (other than listed manufacturers)
march	2	3	March
material	117	*	HAZ MATERIAL PLACARD NO
material	118	*	HAZ MATERIALS PLACARDED
material	119	*	HAZ MATERIALS RELEASE
maximum	27	*	MAX INJ SEVERITY IN ACC
maximum	43	*	IMP MAX INJ SEV. IN ACC
maximum	144	*	MAX INJ SEVERITY IN VEH
maximum	160	*	IMP MAX INJ SEV. IN VEH
may	2	5	May
mazda	109	41	Mazda
mechanism	126	29	Tripped rollover - unknown mechanism
median	15	4	On median
median	16	2	Divided highway (median strip, barrier)
medium	31	2	Group 2 - All crashes involving a medium
medium	112	65	Medium/heavy truck-based motorhome
medium	150	2	Group 2 - All crashes involving a medium
medium	155	65	Medium/heavy truck-based motorhome
medium	221	2	Group 2 - All crashes involving a medium
medium	321	2	Group 2 - All crashes involving a medium
mercedes	109	42	Mercedes Benz
mercury	109	14	Mercury
merge	26	720	Vehicle turn/merge
merges	26	3	Cyclist turns or merges into path of mot

GES 1998 Index (continued)

Item	Var	CV	Variable Name or Code Value
merging	137	17	Merging
merging	158	17	Merging
merkur	109	56	Merkur
mg	109	43	MG
midblock	26	4	Cyclist fails to yield to motorist at a
middle	205	12	Front seat - middle
middle	229	12	Front seat - middle
midnight	5	24	12:00 Midnight
midnight	40	24	12:00 Midnight
midwest	33	2	Midwest
midwest	152	2	Midwest
midwest	223	2	Midwest
midwest	323	2	Midwest
military	116	4	Military
minibike	112	88	Other motored cycle type (minibike, moto
minibike	155	88	Other motored cycle type (minibike, moto
minivan	112	20	Minivan (Astro, Caravan, Plymouth Vista,
minivan	155	20	Minivan (Astro, Caravan, Plymouth Vista,
minor	134	1	Minor
minor	138	40	Minor vehicle failure
minute	6	*	ACCIDENT TIME - MINUTE
minute	44	*	IMP ACC TIME - MINUTE
mirror	105	12	Mirrors
mirror	123	12	Mirrors
misjudges	26	16	Motorist misjudges space required to pas
mitsubishi	109	52	Mitsubishi
mixer	113	6	Concrete mixer
model	110	*	MAKE/MODEL
model	111	*	MODEL YEAR
model	159	*	IMPUTED MODEL YEAR
moderate	134	2	Functional (moderate)
monday	4	2	Monday
monday	52	2	Monday
month	2	*	ACCIDENT DATE - MONTH
moped	109	78	Moped (other than listed manufacturers)
moped	112	81	Moped (motorized bicycle)
moped	155	81	Moped (motorized bicycle)
mot	26	7	Cyclist fails to clear intersection cont
moto	26	6	Cyclist fails to clear intersection cont
moto-guzzi	109	74	Moto-Guzzi
motor	11	25	Motor vehicle in transport
motor	26	27	Bicyclist overtaking motor vehicle
motor	39	25	Motor vehicle in transport
motor	109	1	American Motors
motor	136	25	Motor vehicle in transport
motor	165	25	Motor vehicle in transport
motor	204	1	Driver of motor vehicle in transport
motor	304	3	Occupant of a motor vehicle not in trans
motorcycle	109	79	Other motorcycle
motorcycle	112	82	Three wheeled motorcycle or moped
motorcycle	155	82	Three wheeled motorcycle or moped
motorcycle	206	5	Motorcycle helmet
motorcyle	112	80	Motorcyle
motorcyle	155	80	Motorcyle
motored	112	88	Other motored cycle type (minibike, moto
motored	155	88	Other motored cycle type (minibike, moto

GES 1998 Index (continued)

Item	Var	CV	Variable Name or Code Value
motorhome	112	23	Van-based motorhome
motorhome	155	23	Van-based motorhome
motorist	26	1	Cyclist fails to yield to motorist at a
motorized	112	81	Moped (motorized bicycle)
motorized	155	81	Moped (motorized bicycle)
motorscooter	112	88	Other motored cycle type (minibike, moto
motorscooter	155	88	Other motored cycle type (minibike, moto
moving	105	6	Moving vehicle (including load)
moving-vehicle	11	26	Parked motor vehicle (or other mv not in
moving-vehicle	39	26	Parked motor vehicle (or other mv not in
moving-vehicle	319	0	Not applicable - driver or occupant of M
multiple	26	710	Multiple threat, intersection
multiple	139	98	Other single or multiple corrective acti
navistar	109	84	International Harvester/Navistar
negligent	318	6	Operating the vehicle in erratic, reckle
negotiating	137	15	Negotiating a curve
negotiating	158	15	Negotiating a curve
network	36	3	Strategic Highway Network (STRAHNET) rou
nhs	36	*	NHS ROADWAY TYPE
nissan	109	35	Nissan/Datsun
noncollision	11	6	Noncollision injury (injured in vehicle,
noncollision	39	6	Noncollision injury (injured in vehicle,
noncollision	128	0	No damage/noncollision
noncollision	136	6	Noncollision injury
noncollision	142	0	Noncollision
noncollision	157	0	No damage/noncollision
noncollision	163	0	Noncollision
noncollision	165	6	Noncollision injury
non-deployed	208	2	Non-deployed
nonincapacitating	27	2	Nonincapacitating
nonincapacitating	43	2	Nonincapacitating
nonincapacitating	144	2	Nonincapacitating
nonincapacitating	160	2	Nonincapacitating
nonincapacitating	213	2	B - Nonincapacitating injury
nonincapacitating	228	2	B - Nonincapacitating injury
nonincapacitating	313	2	B - Nonincapacitating injury
nonincapacitating	328	2	B - Nonincapacitating injury
non-interchange	14	8	Other, non-interchange
non-interchange	47	8	Other, non-interchange
nonintersection	319	11	Nonintersection - in crosswalk
non-junction	14	0	Non-junction
non-junction	47	0	Non-junction
nonmot	309	*	NONMOT SAFETY EQUIP USE
non-motor	304	4	Occupant of a non-motor vehicle transpor
nonmotorist	8	*	NUM NMTR INVOLVED IN ACC
nonmotorist	11	27	Other type nonmotorist
nonmotorist	39	27	Other type nonmotorist
nonmotorist	136	27	Other type nonmotorist
nonmotorist	165	27	Other type nonmotorist
nonmotorist	302	*	VEH STRIKING NUMBER NMTR
nonmotorist	303	*	NONMOTORIST NUMBER
nonmotorist	304	*	NONMOTORIST TYPE
nonmotorist	311	*	NONMOTORIST AGE
nonmotorist	312	*	NONMOTORIST SEX
nonmotorist	313	*	NMTR INJURY SEVERITY
nonmotorist	315	*	NMTR PHYSICAL IMPAIRMENT

GES 1998 Index (continued)

Item	Var	CV	Variable Name or Code Value
nonmotorist	318	*	NONMOTORIST ACTION
nonmotorist	319	*	NMTR LOCATION
nonmotorist	325	*	IMPUTED NONMOTORIST AGE
nonmotorist	328	*	IMP NMTR INJURY SEVERITY
nonmotorist	330	*	IMPUTED NONMOTORIST SEX
non-motorist	26	9999	First non-motorist involved is unknown p
non-motorist	106	5	Pedestrian, pedalcyclist, or other non-m
non-motorist	138	810	Pedalcyclist/other non-motorist in roadw
nonmotorists	8	0	0 nonmotorists involved
non-occupant	304	8	Other or unknown non-occupant
northeast	33	1	Northeast
northeast	152	1	Northeast
northeast	223	1	Northeast
northeast	323	1	Northeast
norton	109	75	Norton
noted	125	0	No jackknife noted on PAR
noted	127	0	No fire noted on PAR
november	2	11	November
number	1	*	CASE NUMBER
number	7	*	NUM VEH INVOLVED IN ACC
number	8	*	NUM NMTR INVOLVED IN ACC
number	17	*	NUMBER OF TRAVEL LANES
number	28	*	NUM INJ PERSONS IN ACC
number	32	*	PSU NUMBER
number	45	*	I NUM INJ PERSONS IN ACC
number	101	*	CASE NUMBER
number	102	*	VEHICLE NUMBER
number	112	7	Hatchback, number of doors unknown
number	121	*	NUM OCC INVOLVED IN VEH
number	124	4	Yes, number of trailing units unknown
number	145	*	NUMBER INJURED IN VEH
number	154	*	CARRIER'S ID NUMBER
number	155	7	Hatchback, number of doors unknown
number	161	*	IMP NUM INJURED IN VEH
number	201	*	CASE NUMBER
number	202	*	VEHICLE NUMBER
number	203	*	OCCUPANT NUMBER
number	222	*	PSU NUMBER
number	301	*	CASE NUMBER
number	302	*	VEH STRIKING NUMBER NMTR
number	303	*	NONMOTORIST NUMBER
number	322	*	PSU NUMBER
obey	318	8	Failure to obey traffic signs/control de
obeys	26	9	At an intersection controlled by a stop
object	11	10	Thrown or falling object
object	39	10	Thrown or falling object
object	106	1	Object in road
object	136	10	Thrown or falling object
object	138	840	Object in roadway
object	165	10	Thrown or falling object
obscured	105	*	VISION OBSCURED BY
observe	318	8	Failure to obey traffic signs/control de
obstructed	26	17	Cyclist's path is obstructed; causing cy
obstruction	26	17	Cyclist's path is obstructed; causing cy
obstruction	105	0	No obstruction
occupant	107	1	Passengers, occupants

GES 1998 Index (continued)

Item	Var	CV	Variable Name or Code Value
occupant	121	*	NUM OCC INVOLVED IN VEH
occupant	161	99	Not applicable - no occupants coded for
occupant	203	*	OCCUPANT NUMBER
occupant	204	*	OCCUPANT TYPE
occupant	205	*	OCC SEATING POSITION
occupant	206	*	OCC RESTRAINT SYSTEM USE
occupant	207	*	OCC RESTRAINT TYPE
occupant	210	*	OCCUPANT EJECTION
occupant	211	*	OCCUPANT AGE
occupant	212	*	OCCUPANT SEX
occupant	213	*	OCC INJURY SEVERITY
occupant	215	*	OCCUPANT IMPAIRMENT
occupant	225	*	IMPUTED OCCUPANT AGE
occupant	227	*	IMPUT OCCUPANT EJECTION
occupant	228	*	IMP OCC INJURY SEVERITY
occupant	229	*	IMP OCC SEATING POSITION
occupant	230	*	IMPUTED OCCUPANT SEX
occupant	304	3	Occupant of a motor vehicle not in trans
occupant	319	0	Not applicable - driver or occupant of M
occurred	125	1	Jackknife occurred
occurred	127	1	Fire occurred in vehicle
occurrence	127	*	FIRE OCCURRENCE
october	2	10	October
officer	21	51	Officer, crossing guard, flagman, etc.
officer	50	51	Officer, crossing guard, flagman, etc.
officer	318	8	Failure to obey traffic signs/control de
oil	20	5	Sand, dirt, oil
oil	49	5	Sand, dirt, oil
older	211	97	97 years or older
older	225	97	97 years or older
older	311	97	97 years or older
older	325	97	97 years or older
oldsmobile	109	21	Oldsmobile
on-street	26	35	Motorist drives out from on-street parki
operated	103	1	Driver operated vehicle
operating	318	2	Operating without required equipment
opposite	12	6	Sideswipe, opposite direction
opposite	42	6	Sideswipe, opposite direction
opposite	138	230	Traveling in opposite direction
other's	26	15	The motorist and the cyclist counteract
overtaking	26	13	Motorist fails to detect cyclist he/she
overtaking	137	5	Passing or overtaking another vehicle
overtaking	158	5	Passing or overtaking another vehicle
overturn	11	1	Rollover/Overturn
overturn	39	1	Rollover/overturn
overturn	136	1	Rollover/overturn
overturn	165	1	Rollover/overturn
panel	112	11	Auto-based panel (cargo station wagon, a
panel	155	11	Auto-based panel (cargo station wagon, a
par	125	0	No jackknife noted on PAR
par	127	0	No fire noted on PAR
par	216	*	PAR ALCOHOL INVOLVEMENT
par	217	*	PAR DRUG INVOLVEMENT
par	226	*	IMP PAR ALC INVOLVEMENT
par	316	*	PAR ALCOHOL INVOLVEMENT
par	317	*	PAR DRUG INVOLVEMENT

GES 1998 Index (continued)

Item	Var	CV	Variable Name or Code Value
par	326	*	IMP PAR ALC INVOLVEMENT
parallel	26	3	Cyclist turns or merges into path of mot
parallel	138	330	From parallel/diagonal parking lane
parapet	11	34	Bridge structure (pier/abutment/parapet
parapet	39	34	Bridge Structure (pier/abutment/parapet
parapet	136	34	Bridge structure (pier/abutment/parapet
parapet	165	34	Bridge structure (pier/abutment/parapet
paraplegic	215	4	Paraplegic or restricted to wheelchair
paraplegic	315	4	Paraplegic or restricted to wheelchair
parked	11	26	Parked motor vehicle (or other mv not in
parked	26	41	Cyclist struck parked vehicle
parked	39	26	Parked motor vehicle (or other mv not in
parked	105	7	Parked vehicle
parked	136	26	Parked motor vehicle (or motor vehicle n
parked	137	6	Disabled or parked in travel lane
parked	158	6	Disabled or parked in travel lane
parked	165	26	Parked motor vehicle (or motor vehicle n
parking	15	2	On shoulder or parking lane
parking	22	0	No statutory limit (parking lot, alley,
parking	26	29	Parking lot, other open area; crossing p
parking	48	0	No statutory limit (parking lot, alley,
parking	137	13	Backing up (other than parking purposes)
parking	138	330	From parallel/diagonal parking lane
parking	158	13	Backing up (other than parking)
partially	210	2	Partially ejected
partially	227	2	Partially ejected
pass	26	16	Motorist misjudges space required to pas
passenger	31	1	Group 1 - All crashes involving a towed
passenger	107	1	Passengers, occupants
passenger	150	1	Group 1 - All crashes involving a towed
passenger	204	2	Passenger of a motor vehicle in transpor
passenger	205	51	Other passenger in passenger or cargo ar
passenger	221	1	Group 1 - All crashes involving a towed
passenger	229	51	Other passenger in passenger or cargo ar
passenger	321	1	Group 1 - All crashes involving a towed
passing	105	8	Splash or spray of passing vehicle
passing	137	5	Passing or overtaking another vehicle
passing	158	5	Passing or overtaking another vehicle
passive	21	62	Passive devices (stop sign, cross-bucks)
passive	50	62	Passive devices (stop sign, cross-bucks)
passive	207	1	Automatic (passive)
path	26	1	Cyclist fails to yield to motorist at a
path	138	411	Entering intersection - straight across
path	141	99	Vehicle path after corrective action unk
pavement	11	50	Pavement surface irregularity (ruts, pot
pavement	39	50	Pavement surface irregularity (ruts, pot
pavement	136	50	Pavement surface irregularity (ruts, pot
pavement	165	50	Pavement surface irregularity (ruts, pot
pedalcycle	11	22	Cycle or cyclist (pedalcycle or pedalcyc
pedalcycle	39	22	Cycle or cyclist (pedalcycle or pedalcyc
pedalcycle	136	22	Cycle or cyclist (pedalcycle or pedalcyc
pedalcycle	165	22	Cycle or cyclist (pedalcycle or pedalcyc
pedalcyclist	11	22	Cycle or cyclist (pedalcycle or pedalcyc
pedalcyclist	39	22	Cycle or cyclist (pedalcycle or pedalcyc
pedalcyclist	106	5	Pedestrian, pedalcyclist, or other non-m
pedalcyclist	136	22	Cycle or cyclist (pedalcycle or pedalcyc

GES 1998 Index (continued)

Item	Var	CV	Variable Name or Code Value
pedalcyclist	138	810	Pedalcyclist/other non-motorist in roadw
pedalcyclist	165	22	Cycle or cyclist (pedalcycle or pedalcyc
pedalcyclist	304	6	Cyclist (pedalcyclist)
pedestrian	11	21	Pedestrian
pedestrian	26	*	PED/CYCLIST ACC TYPE
pedestrian	39	21	Pedestrian
pedestrian	106	5	Pedestrian, pedalcyclist, or other non-m
pedestrian	136	21	Pedestrian
pedestrian	138	800	Pedestrian in roadway
pedestrian	165	21	Pedestrian
pedestrian	304	5	Pedestrian
perpendicular	26	1	Cyclist fails to yield to motorist at a
person	26	9999	First non-motorist involved is unknown p
person	27	8	No person coded in crash
person	28	*	NUM INJ PERSONS IN ACC
person	29	8	No person coded
person	37	8	No person coded
person	43	8	No person coded in crash
person	45	*	I NUM INJ PERSONS IN ACC
person	144	8	No person coded in crash
person	145	98	No person coded
person	146	8	No person coded
person	160	8	No person coded in crash
person	164	8	No person coded
peterbilt	109	87	Peterbilt
peugeot	109	44	Peugeot
phone	107	3	Phone
physical	215	97	Physical impairment - no details
physical	315	*	NMTR PHYSICAL IMPAIRMENT
physically	16	1	Not physically divided (two way trafficw
physically	215	99	Unknown if physically impaired
physically	315	99	Unknown if physically impaired
pickup	112	10	Auto-based pickup (includes El Camino, C
pickup	155	10	Auto-based pickup (includes El Camino, C
pier	11	34	Bridge structure (pier/abutment/parapet
pier	39	34	Bridge Structure (pier/abutment/parapet
pier	136	34	Bridge structure (pier/abutment/parapet
pier	165	34	Bridge structure (pier/abutment/parapet
placard	117	*	HAZ MATERIAL PLACARD NO
placarded	118	*	HAZ MATERIALS PLACARDED
plates	11	50	Pavement surface irregularity (ruts, pot
plates	39	50	Pavement surface irregularity (ruts, pot
plates	136	50	Pavement surface irregularity (ruts, pot
plates	165	50	Pavement surface irregularity (ruts, pot
play	26	40	Play vehicle (big wheel, other tricycle,
playing	26	430	Playing in roadway
playing	318	29	Playing, working, sitting, lying, standi
plymouth	109	9	Plymouth
plymouth	112	20	Minivan (Astro, Caravan, Plymouth Vista,
plymouth	155	20	Minivan (Astro, Caravan, Plymouth Vista,
pole	11	37	Post, pole or support (sign post, utilit
pole	39	37	Post, pole or support (sign post, utilit
pole	136	37	Post, pole or support (sign post, utilit
pole	165	37	Post, pole or support (sign post, utilit
police	30	*	POLICE JURISDICTION
police	116	5	Police

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Item	Var	CV	Variable Name or Code Value
police	149	*	POLICE JURISDICTION
police	216	9	Unknown (police reported)
police	217	9	Unknown (police reported)
police	220	*	POLICE JURISDICTION
police	226	9	Unknown (police reported)
police	316	9	Unknown (police reported)
police	317	9	Unknown (police reported)
police	320	*	POLICE JURISDICTION
police	326	9	Unknown (police reported)
pontiac	109	22	Pontiac
poor	106	2	Poor road conditions (puddle, ice, potho
poor	138	50	Poor road conditions (puddle, pothole, i
population	9	1	Within area of population 25,000-50,000
porsche	109	45	Porsche
position	137	7	Leaving a parked position
position	158	7	Leaving a parked position
position	205	*	OCC SEATING POSITION
position	229	*	IMP OCC SEATING POSITION
possible	27	1	Possible injury
possible	43	1	Possible injury
possible	144	1	Possible injury
possible	160	1	Possible injury
possible	213	1	C - Possible injury
possible	228	1	C - Possible injury
possible	313	1	C - Possible injury
possible	328	1	C - Possible injury
post	11	37	Post, pole or support (sign post, utilit
post	39	37	Post, pole or support (sign post, utilit
post	136	37	Post, pole or support (sign post, utilit
post	165	37	Post, pole or support (sign post, utilit
pothole	106	2	Poor road conditions (puddle, ice, potho
pothole	138	50	Poor road conditions (puddle, pothole, i
potholes	11	50	Pavement surface irregularity (ruts, pot
potholes	39	50	Pavement surface irregularity (ruts, pot
potholes	136	50	Pavement surface irregularity (ruts, pot
potholes	165	50	Pavement surface irregularity (ruts, pot
power	123	5	Power train - universal joint, drive sha
preceeding	26	18	Cyclist turns left in front of motorist
precrash	26	1	Cyclist fails to yield to motorist at a
precrash	140	*	PRECRASH VEHICLE CONTROL
precrash	141	*	PRECRASH LOCATION
presence	103	*	DRIVER PRESENCE
previous	137	18	Successful corrective action to a previo
previous	158	18	Successful corrective action to a previo
previous	215	5	Impaired due to previous injury
previous	315	5	Impaired due to previous injury
priority	36	2	Congressional high priority route
proceeding	26	20	Cyclist loses control and swerves into t
profile	19	*	ROADWAY PROFILE
profile	46	*	IMPUTED ROADWAY PROFILE
proper	318	4	Failure to keep in proper lane or runnin
property	28	0	No person injured / property damage only
property	45	0	No person injured / property damage only
psu	32	*	PSU NUMBER
psu	222	*	PSU NUMBER
psu	322	*	PSU NUMBER

GES 1998 Index (continued)

Item	Var	CV	Variable Name or Code Value
puddle	106	2	Poor road conditions (puddle, ice, potho
puddle	138	50	Poor road conditions (puddle, pothole, i
purpose	137	13	Backing up (other than parking purposes)
pursuit	26	230	Hot pursuit
pushing	318	26	Nonmotorist pushing vehicle
radio	107	2	Vehicle instrument display (radio, casse
rail	11	34	Bridge structure (pier/abutment/parapet
rail	14	5	Rail grade crossing
rail	39	34	Bridge Structure (pier/abutment/parapet
rail	47	5	Rail grade crossing
railway	11	23	Railway train
railway	39	23	Railway train
railway	136	23	Railway train
railway	165	23	Railway train
rain	24	2	Rain
rain	51	2	Rain
rain	105	1	Rain, snow, fog, smoke, sand, dust
rambler	110	+	Rambler/American
ramcharger	112	15	Large utility (Jeep Cherokee, Ramcharger
ramcharger	155	15	Large utility (Jeep Cherokee, Ramcharger
ramp	14	4	Entrance/exit ramp
ramp	47	4	Entrance/exit ramp
ramp	138	460	Entering from "yield" entrance (ramp/cha
ranchero	112	10	Auto-based pickup (includes El Camino, C
ranchero	155	10	Auto-based pickup (includes El Camino, C
rear-end	12	1	Rear-end
rear-end	42	1	Rear-end
rear-to-rear	12	3	Rear-to-rear
rear-to-rear	42	3	Rear-to-rear
reason	138	99	Other or unknown reason
reckless	104	4	Reckless driving
reckless	162	4	Reckless driving
reckless	318	6	Operating the vehicle in erratic, reckle
red	26	5	Cyclist fails to yield to motorist at an
reflected	105	2	Reflected glare, bright sunlight, headli
reflective	309	2	Reflective equipment
refuse	113	8	Garbage/refuse
region	33	*	REGION OF COUNTRY
region	152	*	REGION OF COUNTRY
region	223	*	REGION OF COUNTRY
region	323	*	REGION OF COUNTRY
related	14	2	Intersection related
related	21	23	School zone related sign
related	24	1	No adverse atmospheric related driving c
related	25	*	SCH BUS RELATED TO ACC
related	26	140	Mailbox related
related	47	2	Intersection related
related	50	23	School zone related sign
related	51	1	No adverse atmospheric related driving c
related	148	*	SPEED RELATED
relation	14	*	RELATION TO JUNCTION
relation	15	*	RELATION TO ROADWAY
relation	47	*	IMP RELATION TO JUNCTION
release	119	*	HAZ MATERIALS RELEASE
renault	109	46	Renault
renegade	112	14	Compact utility (Jeep CJ-5, Renegade, Go

GES 1998 Index (continued)

Item	Var	CV	Variable Name or Code Value
renegade	155	14	Compact utility (Jeep CJ-5, Renegade, Go
reo	109	81	Diamond Reo, Reo
reported	121	97	Unknown - only injury reported
reported	216	8	Not reported
reported	217	8	Not reported
reported	226	8	Not reported
reported	316	8	Not reported
reported	317	8	Not reported
reported	326	8	Not reported
required	26	16	Motorist misjudges space required to pas
required	318	1	Failing to have lights on when required
requires	215	3	Requires cane or crutches
requires	315	3	Requires cane or crutches
rescue	112	40	Cab chassis-based (includes rescue vehic
rescue	155	40	Cab chassis-based (includes rescue vehic
resident	147	0	Not resident of U.S. or territories/Driv
residential	26	1	Cyclist fails to yield to motorist at a
restraint	105	13	Head restraints
restraint	206	*	OCC RESTRAINT SYSTEM USE
restraint	207	*	OCC RESTRAINT TYPE
restricted	215	4	Paraplegic or restricted to wheelchair
restricted	315	4	Paraplegic or restricted to wheelchair
returned	141	7	Vehicle returned to roadway
revoked	104	5	Driving with a suspended or revoked lice
revoked	162	5	Driving with a suspended or revoked lice
ride	26	49	Ride out - intersection (bicyclist)
riding	26	21	Cyclist riding on wrong side of street m
riding	205	53	Riding on vehicle exterior
riding	229	53	Riding on vehicle exterior
right	26	21	Cyclist riding on wrong side of street m
right	128	11	Front right corner
right	137	10	Turning right
right	138	101	Over right edge of roadway
right	139	3	Steered to right
right	157	11	Front right corner
right	158	10	Turning right
right	205	13	Front seat - right side
right	229	13	Front seat - right side
right	318	7	Failure to yield right of way
right-of-way	104	6	Failure to yield right-of-way
right-of-way	162	6	Failure to yield right-of-way
rightside	128	2	Rightside
rightside	129	2	Rightside
rightside	130	2	Rightside
rightside	131	2	Rightside
rightside	132	2	Rightside
rightside	133	2	Rightside
rightside	157	2	Rightside
roa	26	2	Cyclist fails to yield to motorist at a
road	21	41	Warning sign for road conditions (hill,
road	50	41	Warning sign for road conditions (hill,
road	106	1	Object in road
road	138	50	Poor road conditions (puddle, pothole, i
road	318	4	Failure to keep in proper lane or runnin
roadway	15	*	RELATION TO ROADWAY
roadway	18	*	ROADWAY ALIGNMENT

GES 1998 Index (continued)

Item	Var	CV	Variable Name or Code Value
roadway	19	*	ROADWAY PROFILE
roadway	20	*	ROADWAY SURFACE COND
roadway	26	410	Working on roadway
roadway	36	*	NHS ROADWAY TYPE
roadway	38	*	IMP ROADWAY ALIGNMENT
roadway	46	*	IMPUTED ROADWAY PROFILE
roadway	49	*	IMP ROADWAY SURFACE COND
roadway	138	100	Over left edge of roadway
roadway	141	2	Vehicle stayed on roadway but left trave
roadway	318	22	Improper crossing of roadway or intersec
roadway	319	2	Intersection - on roadway
rod	123	3	Steering system - tie rod, kingpin, ball
role	142	*	VEHICLE ROLE
role	163	*	IMPUTED VEHICLE ROLE
rollover	11	1	Rollover/Overturn
rollover	39	1	Rollover/overturn
rollover	126	*	ROLLOVER
rollover	136	1	Rollover/overturn
rollover	143	97	Untripped rollover
rollover	165	1	Rollover/overturn
romeo	109	31	Alfa Romeo
roof	112	1	Convertible (excludes sun roof, t-bar)
roof	155	1	Convertible (excludes sun roof, t-bar)
rotated	140	2	Vehicle rotated (yawed) clockwise
rotation	140	4	Vehicle slid/skid longitudinally - no ro
route	36	2	Congressional high priority route
rover	109	62	Land Rover
run	104	50	Hit & run (and no information)
run	106	50	Hit & run (and no information)
run	107	50	Hit & run (and no information)
run	162	50	Hit & run (and no information)
running	104	7	Running a traffic signal or stop sign
running	162	7	Running a traffic signal or stop sign
running	318	4	Failure to keep in proper lane or runnin
rural	36	19	Unknown rural route
rut	11	50	Pavement surface irregularity (ruts, pot
rut	39	50	Pavement surface irregularity (ruts, pot
rut	136	50	Pavement surface irregularity (ruts, pot
rut	165	50	Pavement surface irregularity (ruts, pot
saab	109	47	Saab
safari	112	20	Minivan (Astro, Caravan, Plymouth Vista,
safari	155	20	Minivan (Astro, Caravan, Plymouth Vista,
safety	206	6	Child safety seat
safety	309	*	NONMOT SAFETY EQUIP USE
safety	318	8	Failure to obey traffic signs/control de
sand	20	5	Sand, dirt, oil
sand	24	8	Other (smog, smoke, blowing sand/dust/sn
sand	49	5	Sand, dirt, oil
sand	51	8	Other (smog, smoke, blowing sand/dust/sn
sand	105	1	Rain, snow, fog, smoke, sand, dust
saturday	4	7	Saturday
saturday	52	7	Saturday
saturn	109	24	Saturn
scene	108	0	No, did not leave scene
scene	135	*	MANNER OF LEAVING SCENE
scene	156	0	No, did not leave scene

GES 1998 Index (continued)

Item	Var	CV	Variable Name or Code Value
school	21	23	School zone related sign
school	25	*	SCH BUS RELATED TO ACC
school	26	120	School bus
school	50	23	School zone related sign
school	112	24	Van-based school bus
school	116	2	Vehicle used as school bus
school	155	24	Van-based school bus
seat	205	11	Front seat - left side (driver's side)
seat	206	6	Child safety seat
seat	229	11	Front seat - left side (driver's side)
seating	123	13	Driver seating and control
seating	205	*	OCC SEATING POSITION
seating	229	*	IMP OCC SEATING POSITION
section	205	50	Sleeper section of cab (truck)
section	229	50	Sleeper section of cab (truck)
sedan	112	2	2-door sedan, hardtop, coupe
sedan	155	2	2-door sedan, hardtop, coupe
september	2	9	September
sev	43	*	IMP MAX INJ SEV. IN ACC
sev	160	*	IMP MAX INJ SEV. IN VEH
severe	134	3	Disabling (severe)
severity	27	*	MAX INJ SEVERITY IN ACC
severity	43	5	Unknown injury severity
severity	134	*	DAMAGE SEVERITY
severity	144	*	MAX INJ SEVERITY IN VEH
severity	160	5	Unknown injury severity
severity	213	*	OCC INJURY SEVERITY
severity	228	*	IMP OCC INJURY SEVERITY
severity	313	*	NMTR INJURY SEVERITY
severity	328	*	IMP NMTR INJURY SEVERITY
sex	212	*	OCCUPANT SEX
sex	230	*	IMPUTED OCCUPANT SEX
sex	312	*	NONMOTORIST SEX
sex	330	*	IMPUTED NONMOTORIST SEX
shaft	123	5	Power train - universal joint, drive sha
she	26	13	Motorist fails to detect cyclist he/she
shock	123	4	Suspension - springs, shock absorbers, m
shoulder	15	2	On shoulder or parking lane
shoulder	26	4	Cyclist fails to yield to motorist at a
shoulder	206	1	Lap/shoulder belt
shrubbery	11	44	Shrubbery or bush
shrubbery	39	44	Shrubbery or bush
shrubbery	136	44	Shrubbery or bush
shrubbery	165	44	Shrubbery or bush
side	26	21	Cyclist riding on wrong side of street m
side	112	12	Large limousine (more than four side doo
side	155	12	Large limousine (more than four side doo
side	205	11	Front seat - left side (driver's side)
side	229	11	Front seat - left side (driver's side)
side	318	10	Driving on wrong side of road
sideswipe	12	5	Sideswipe, same direction
sideswipe	42	5	Sideswipe, same direction
sign	11	37	Post, pole or support (sign post, utilit
sign	21	21	Stop sign
sign	26	5	Cyclist fails to yield to motorist at an
sign	39	37	Post, pole or support (sign post, utilit

GES 1998 Index (continued)

Item	Var	CV	Variable Name or Code Value
sign	50	21	Stop sign
sign	104	7	Running a traffic signal or stop sign
sign	105	4	Building, billboard, or other design fea
sign	136	37	Post, pole or support (sign post, utilit
sign	162	7	Running a traffic signal or stop sign
sign	165	37	Post, pole or support (sign post, utilit
sign	318	8	Failure to obey traffic signs/control de
signal	21	1	Traffic control signal (on colors)
signal	26	5	Cyclist fails to yield to motorist at an
signal	50	1	Traffic control signal (on colors)
signal	104	7	Running a traffic signal or stop sign
signal	123	8	Signal lights
signal	162	7	Running a traffic signal or stop sign
single	112	64	Single unit straight truck
single	139	98	Other single or multiple corrective acti
single	155	64	Single unit straight truck
sitting	318	29	Playing, working, sitting, lying, standi
skid	140	4	Vehicle slid/skid longitudinally - no ro
sleeper	205	50	Sleeper section of cab (truck)
sleeper	229	50	Sleeper section of cab (truck)
sleepy	215	2	Drowsy, sleepy, fell asleep, fatigued
sleepy	315	2	Drowsy, sleepy, fell asleep, fatigued
sleet	24	3	Sleet
sleet	51	3	Sleet
slid	140	4	Vehicle slid/skid longitudinally - no ro
slide	26	14	Motorist loses control of veh while over
slide-in	112	32	Pickup with slide-in camper
slide-in	155	32	Pickup with slide-in camper
slowed	139	1	Braked/slowed
slush	20	3	Snow or slush
slush	49	3	Snow or slush
smog	24	8	Other (smog, smoke, blowing sand/dust/sn
smog	51	8	Other (smog, smoke, blowing sand/dust/sn
smoke	24	8	Other (smog, smoke, blowing sand/dust/sn
smoke	51	8	Other (smog, smoke, blowing sand/dust/sn
smoke	105	1	Rain, snow, fog, smoke, sand, dust
snow	20	3	Snow or slush
snow	24	4	Snow
snow	49	3	Snow or slush
snow	51	4	Snow
snow	105	1	Rain, snow, fog, smoke, sand, dust
snowmobile	112	91	Snowmobile
snowmobile	155	91	Snowmobile
soft	126	23	Tripped rollover - by soft soil
soil	126	23	Tripped rollover - by soft soil
south	33	3	South
south	152	3	South
south	223	3	South
south	323	3	South
space	26	16	Motorist misjudges space required to pas
special	116	*	SPECIAL USE
specific	206	8	Restraint used - specifics unknown or ot
speed	21	40	Advisory speed sign
speed	22	*	SPEED LIMIT
speed	48	*	IMPUTED SPEED LIMIT
speed	50	40	Advisory speed sign

GES 1998 Index (continued)

Item	Var	CV	Variable Name or Code Value
speed	122	*	TRAVEL SPEED
speed	138	60	Excessive speed
speed	148	*	SPEED RELATED
speeding	104	2	Speeding
speeding	162	2	Speeding
splash	105	8	Splash or spray of passing vehicle
sportvan	112	21	Large van (Sportvan, Chevy Van, Club Wag
sportvan	155	21	Large van (Sportvan, Chevy Van, Club Wag
spray	105	8	Splash or spray of passing vehicle
spring	123	4	Suspension - springs, shock absorbers, m
stake	112	40	Cab chassis-based (includes rescue vehic
stake	155	40	Cab chassis-based (includes rescue vehic
stalled	138	20	Stalled engine
standing	318	29	Playing, working, sitting, lying, standi
starting	137	3	Starting in traffic lane
starting	158	3	Starting in traffic lane
station	112	6	Station wagon (excluding van and truck b
station	155	6	Station wagon (excluding van and truck-b
statutory	22	0	No statutory limit (parking lot, alley,
statutory	48	0	No statutory limit (parking lot, alley,
stayed	141	1	Vehicle stayed In travel lane
steep	21	41	Warning sign for road conditions (hill,
steep	50	41	Warning sign for road conditions (hill,
steered	139	2	Steered to left
steering	123	3	Steering system - tie rod, kingpin, ball
step	112	22	Step van or walk-in van (< 4,500 kg GVWR
step	155	22	Step van or walk-in van (< 4,500 kg GVWR
sterling	109	61	Sterling
stopped	122	0	Stopped vehicle
stopped	137	4	Stopped in traffic lane
stopped	138	200	Stopped
stopped	158	4	Stopped in traffic lane
strahnet	36	3	Strategic Highway Network (STRAHNET) rou
straight	18	1	Straight
straight	26	19	Cyclist turns left in front of motorist
straight	38	1	Straight
straight	112	64	Single unit straight truck
straight	137	1	Going straight
straight	138	411	Entering intersection - straight across
straight	155	64	Single unit straight truck
straight	158	1	Going straight
strategic	36	3	Strategic Highway Network (STRAHNET) rou
stratum	31	*	STRATUM
stratum	150	*	STRATUM
stratum	221	*	STRATUM
stratum	321	*	STRATUM
street	26	21	Cyclist riding on wrong side of street m
street	112	97	Other type vehicle (e.g., go-cart, fork
street	155	97	Other type vehicle (e.g., go-cart, fork
stretch	112	12	Large limousine (more than four side doo
stretch	155	12	Large limousine (more than four side doo
strike	26	17	Cyclist's path is obstructed; causing cy
striking	142	1	Striking
striking	163	1	Striking
striking	302	*	VEH STRIKING NUMBER NMTR
strip	16	2	Divided highway (median strip, barrier)

GES 1998 Index (continued)

Item	Var	CV	Variable Name or Code Value
struck	26	41	Cyclist struck parked vehicle
struck	142	2	Struck
struck	163	2	Struck
structure	11	34	Bridge structure (pier/abutment/parapet
structure	39	34	Bridge Structure (pier/abutment/parapet
structure	136	34	Bridge structure (pier/abutment/parapet
structure	165	34	Bridge structure (pier/abutment/parapet
struts	123	4	Suspension - springs, shock absorbers, m
student	112	50	School bus (designed to carry students,
student	155	50	School bus (designed to carry students,
style	112	39	Unknown (pickup style) light conventiona
style	155	39	Unknown (pickup style) light conventiona
subaru	109	48	Subaru
suburban	112	16	Utility station wagon (Chev. Suburban, G
suburban	155	16	Utility station wagon (Chev. Suburban, G
successful	137	18	Successful corrective action to a previo
successful	158	18	Successful corrective action to a previo
sun	112	1	Convertible (excludes sun roof, t-bar)
sun	155	1	Convertible (excludes sun roof, t-bar)
sunday	4	1	Sunday
sunday	52	1	Sunday
sunlight	105	2	Reflected glare, bright sunlight, headli
support	11	37	Post, pole or support (sign post, utilit
support	39	37	Post, pole or support (sign post, utilit
support	136	37	Post, pole or support (sign post, utilit
support	165	37	Post, pole or support (sign post, utilit
surface	11	50	Pavement surface irregularity (ruts, pot
surface	20	*	ROADWAY SURFACE COND
surface	39	50	Pavement surface irregularity (ruts, pot
surface	49	*	IMP ROADWAY SURFACE COND
surface	136	50	Pavement surface irregularity (ruts, pot
surface	165	50	Pavement surface irregularity (ruts, pot
suspended	104	5	Driving with a suspended or revoked lice
suspended	162	5	Driving with a suspended or revoked lice
suspension	123	4	Suspension - springs, shock absorbers, m
suzuki	109	53	Suzuki
sweeper	112	97	Other type vehicle (e.g., go-cart, fork
sweeper	155	97	Other type vehicle (e.g., go-cart, fork
swerves	26	20	Cyclist loses control and swerves into t
swings	26	32	Bicyclist swings wide when turning right
system	36	1	Eisenhower Interstate System (EIS)
system	105	9	Inadequate defrost or defog system
system	123	2	Brake system
system	206	*	OCC RESTRAINT SYSTEM USE
taken	214	*	TAKEN TO HOSP/TREATMENT
taken	314	*	TAKEN TO HOSP/TREATMENT
talking	318	24	Inattentive (talking, eating, etc.)
tank	113	3	Cargo tank
taxi	116	1	Taxi
t-bar	112	1	Convertible (excludes sun roof, t-bar)
t-bar	155	1	Convertible (excludes sun roof, t-bar)
terrain	112	90	ATV (all terrain vehicle) and ATC (all t
terrain	155	90	ATV (all terrain vehicle) and ATC (all t
territories	147	0	Not resident of U.S. or territories/Driv
threat	26	710	Multiple threat, intersection
thrown	11	10	Thrown or falling object

GES 1998 Index (continued)

Item	Var	CV	Variable Name or Code Value
thrown	39	10	Thrown or falling object
thrown	136	10	Thrown or falling object
thrown	165	10	Thrown or falling object
thursday	4	5	Thursday
thursday	52	5	Thursday
tie	123	3	Steering system - tie rod, kingpin, ball
time	5	*	ACCIDENT TIME - HOUR
time	6	*	ACCIDENT TIME - MINUTE
time	40	*	IMP ACCIDENT TIME - HOUR
time	44	*	IMP ACC TIME - MINUTE
tire	123	1	Tires
tire	138	10	Blow out or flat tire
ntended	138	759	From driveway, alley access, etc. - tnte
top	128	5	Top
top	129	5	Top
top	130	5	Top
top	131	5	Top
top	132	5	Top
top	133	5	Top
top	157	5	Top
totally	210	1	Totally ejected
totally	227	1	Totally ejected
tow	112	40	Cab chassis-based (includes rescue vehic
tow	155	40	Cab chassis-based (includes rescue vehic
towed	31	1	Group 1 - All crashes involving a towed
towed	135	2	Towed due to damage
towed	150	1	Group 1 - All crashes involving a towed
towed	221	1	Group 1 - All crashes involving a towed
towed	321	1	Group 1 - All crashes involving a towed
toyota	109	49	Toyota
traffic	11	36	Concrete traffic barrier or other longit
traffic	21	*	TRAFFIC CONTROL DEVICE
traffic	26	6	Cyclist fails to clear intersection cont
traffic	39	36	Concrete traffic barrier or other longit
traffic	50	*	I TRAFFIC CONTROL DEVICE
traffic	104	7	Running a traffic signal or stop sign
traffic	136	36	Concrete traffic barrier or other longit
traffic	137	2	Decelerating in traffic lane
traffic	158	2	Decelerating in traffic lane
traffic	162	7	Running a traffic signal or stop sign
traffic	165	36	Concrete traffic barrier or other longit
traffic	318	8	Failure to obey traffic signs/control de
trafficway	16	*	TRAFFICWAY FLOW
trafficway	318	5	Making improper entry to or exit from tr
trail	114	*	NO OF AXLES ON VEH/TRAIL
trailduster	112	15	Large utility (Jeep Cherokee, Ramcharger
trailduster	155	15	Large utility (Jeep Cherokee, Ramcharger
trailer	123	15	Trailer hitch
trailer	124	*	VEHICLE TRAILERING
trailer	112	66	Truck-tractor (cab only, or with any num
trailer	124	1	Yes, one trailing unit
trailer	155	66	Truck-tractor (cab only, or with any num
trailer	205	52	Trailing unit
trailer	229	52	Trailing unit
train	11	23	Railway train
train	39	23	Railway train

GES 1998 Index (continued)

Item	Var	CV	Variable Name or Code Value
train	123	5	Power train - universal joint, drive sha
train	136	23	Railway train
train	165	23	Railway train
training	26	40	Play vehicle (big wheel, other tricycle,
transit	112	50	School bus (designed to carry students,
transit	155	50	School bus (designed to carry students,
transmission	123	5	Power train - universal joint, drive sha
transport	11	25	Motor vehicle in transport
transport	12	0	Not collision with vehicle in transport
transport	39	25	Motor vehicle in transport
transport	42	0	Not collision with vehicle in transport
transport	136	25	Motor vehicle in transport
transport	165	25	Motor vehicle in transport
transport	204	1	Driver of motor vehicle in transport
transport	304	3	Occupant of a motor vehicle not in trans
transport	319	0	Not applicable - driver or occupant of M
transporter	113	7	Auto transporter
trapped	26	740	Trapped
travel	17	*	NUMBER OF TRAVEL LANES
travel	122	*	TRAVEL SPEED
travel	137	6	Disabled or parked in travel lane
travel	141	1	Vehicle stayed In travel lane
travel	158	6	Disabled or parked in travel lane
traveling	138	210	Traveling in same direction with lower s
treatment	214	*	TAKEN TO HOSP/TREATMENT
treatment	314	*	TAKEN TO HOSP/TREATMENT
tree	11	45	Tree
tree	39	45	Tree
tree	105	5	Trees, crops, vegetation
tree	136	45	Tree
tree	165	45	Tree
tricycle	26	40	Play vehicle (big wheel, other tricycle,
tripped	126	20	Tripped rollover - by curb
triumph	109	50	Triumph
tru	31	1	Group 1 - All crashes involving a towed
tru	150	1	Group 1 - All crashes involving a towed
tru	221	1	Group 1 - All crashes involving a towed
tru	321	1	Group 1 - All crashes involving a towed
truck	31	2	Group 2 - All crashes involving a medium
truck	109	98	Other (truck or bus)
truck	112	6	Station wagon (excluding van and truck b
truck	116	7	Fire truck and car
truck	150	2	Group 2 - All crashes involving a medium
truck	155	39	Unknown (pickup style) light conventiona
truck	205	50	Sleeper section of cab (truck)
truck	221	2	Group 2 - All crashes involving a medium
truck	229	50	Sleeper section of cab (truck)
truck	321	2	Group 2 - All crashes involving a medium
truck-based	112	41	Truck-based panel
truck-based	155	6	Station wagon (excluding van and truck-b
truck-tractor	112	66	Truck-tractor (cab only, or with any num
truck-tractor	155	66	Truck-tractor (cab only, or with any num
tuesday	4	3	Tuesday
tuesday	52	3	Tuesday
turning	26	31	Bicyclist cuts corner when turning left;
turning	137	10	Turning right

GES 1998 Index (continued)

Item	Var	CV	Variable Name or Code Value
turning	138	410	Entering intersection - turning into sam
turning	158	10	Turning right
unattended	103	0	Unattended vehicle (driverless or no dri
uncontrolled	26	14	Motorist loses control of veh while over
undercarriage	128	6	Undercarriage
undercarriage	129	6	Undercarriage
undercarriage	130	6	Undercarriage
undercarriage	131	6	Undercarriage
undercarriage	132	6	Undercarriage
undercarriage	133	6	Undercarriage
undercarriage	157	6	Undercarriage
unit	112	64	Single unit straight truck
unit	124	1	Yes, one trailing unit
unit	155	64	Single unit straight truck
unit	205	52	Trailing unit
unit	229	52	Trailing unit
universal	123	5	Power train - universal joint, drive sha
untripped	126	10	Untripped rollover
untripped	143	97	Untripped rollover
urban	36	9	Unknown urban route
utility	11	37	Post, pole or support (sign post, utilit
utility	31	1	Group 1 - All crashes involving a towed
utility	39	37	Post, pole or support (sign post, utilit
utility	112	14	Compact utility (Jeep CJ-5, Renegade, Go
utility	136	37	Post, pole or support (sign post, utilit
utility	150	1	Group 1 - All crashes involving a towed
utility	155	14	Compact utility (Jeep CJ-5, Renegade, Go
utility	165	37	Post, pole or support (sign post, utilit
utility	221	1	Group 1 - All crashes involving a towed
utility	321	1	Group 1 - All crashes involving a towed
u-turn	137	12	Making U-turn
u-turn	158	12	Making U-turn
van	112	6	Station wagon (excluding van and truck b
van	113	2	Van/enclosed box
van	155	6	Station wagon (excluding van and truck-b
van-based	112	23	Van-based motorhome
van-based	155	23	Van-based motorhome
vegetation	105	5	Trees, crops, vegetation
vendor	26	130	Ice cream vendor
vin	115	*	VIN
violation	26	760	Driver violation
violation	104	*	VIOLATIONS CHARGED
violation	162	*	IMP VIOLATIONS CHARGED
vision	105	*	VISION OBSCURED BY
vista	112	20	Minivan (Astro, Caravan, Plymouth Vista,
vista	155	20	Minivan (Astro, Caravan, Plymouth Vista,
volkswagen	109	30	Volkswagen
volvo	109	51	Volvo
wagon	112	6	Station wagon (excluding van and truck b
wagon	155	6	Station wagon (excluding van and truck-b
wagoneer	112	16	Utility station wagon (Chev. Suburban, G
wagoneer	155	16	Utility station wagon (Chev. Suburban, G
waiting	26	610	Waiting to cross
walked	26	750	Pedestrian walked into vehicle - interse
walk-in	112	22	Step van or walk-in van (< 4,500 kg GVWR
walk-in	155	22	Step van or walk-in van (< 4,500 kg GVWR

GES 1998 Index (continued)

Item	Var	CV	Variable Name or Code Value
walking	26	531	Walking along roadway - with traffic
walking	318	27	Walking with traffic
wall	11	42	Wall
wall	39	42	Wall
wall	136	42	Wall
wall	165	42	Wall
warning	21	41	Warning sign for road conditions (hill,
warning	50	41	Warning sign for road conditions (hill,
wednesday	4	4	Wednesday
wednesday	52	4	Wednesday
week	4	*	ACCIDENT DAY OF WEEK
week	52	*	I ACCIDENT DAY OF WEEK
weight	34	*	WEIGHT
weight	153	*	WEIGHT
weight	224	*	WEIGHT
weight	324	*	WEIGHT
weird	26	36	Weird
west	33	4	West
west	152	4	West
west	223	4	West
west	323	4	West
wet	20	2	Wet
wet	49	2	Wet
wheel	26	40	Play vehicle (big wheel, other tricycle,
wheel	123	11	Wheels
wheel	138	30	Disabling vehicle failure (e.g. wheel fe
wheelchair	215	4	Paraplegic or restricted to wheelchair
wheelchair	315	4	Paraplegic or restricted to wheelchair
wheeled	112	13	Three wheeled automobile or automobile d
wheeled	155	13	Three wheeled automobile or automobile d
which	31	3	Group 3 - All crashes not involving a to
which	138	199	Unknown which edge
which	150	3	Group 3 - All crashes not involving a to
which	221	3	Group 3 - All crashes not involving a to
which	321	3	Group 3 - All crashes not involving a to
white	109	82	Freightliner, White
wide	26	32	Bicyclist swings wide when turning right
wind	21	43	Warning sign for environment/traffic (fo
wind	50	43	Warning sign for environment/traffic (fo
windshield	105	14	Broken or improperly cleaned windshield
wiper	123	10	Wipers
work	35	*	WORK ZONE
working	26	410	Working on roadway
working	318	29	Playing, working, sitting, lying, standi
wrong	26	21	Cyclist riding on wrong side of street m
wrong	318	10	Driving on wrong side of road
wrong-way	26	26	Vehicles collide head-on; wrong-way bicy
yamaha	109	76	Yamaha
yawed	140	2	Vehicle rotated (yawed) clockwise
year	3	*	ACCIDENT DATE - YEAR
year	111	*	MODEL YEAR
year	159	*	IMPUTED MODEL YEAR
year	211	0	Up to one year
year	225	0	Up to one year
year	311	0	Up to one year
year	325	0	Up to one year

GES 1998 Index (continued)

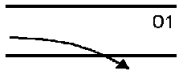

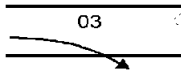
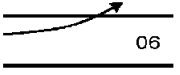

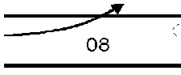

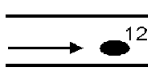
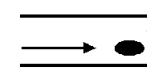
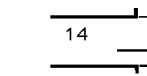
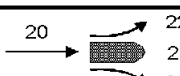
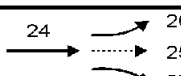
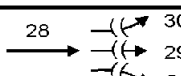
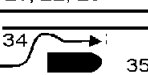
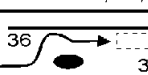
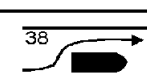
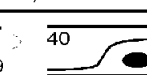
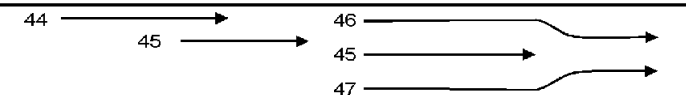
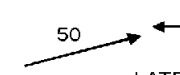


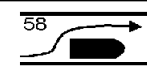
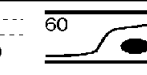
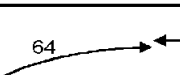

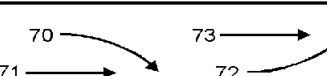
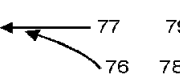
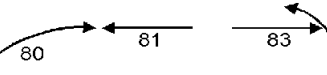

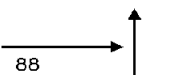
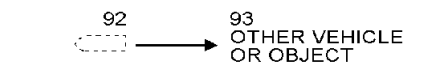
Item	Var	CV	Variable Name or Code Value
yield	21	22	Yield sign
yield	26	1	Cyclist fails to yield to motorist at a
yield	50	22	Yield sign
yield	104	6	Failure to yield right-of-way
yield	162	6	Failure to yield right-of-way
yield	318	7	Failure to yield right of way
yugo	109	57	Yugo
zip	147	*	DRIVERS ZIP CODE
zone	21	23	School zone related sign
zone	35	*	WORK ZONE
zone	50	23	School zone related sign
zone	318	8	Failure to obey traffic signs/control de
2-door	112	2	2-door sedan, hardtop, coupe
2-door	155	2	2-door sedan, hardtop, coupe
3-door	112	3	3-door/2-door hatchback
3-door	155	3	3-door/2-door hatchback
4-door	112	4	4-door sedan, hardtop
4-door	155	4	4-door sedan, hardtop
5-door	112	5	5-door/4-door hatchback
5-door	155	5	5-door/4-door hatchback

GES

APPENDIX

Code Values for Variable 143

"Accident Type"

Category	Configuration	ACCIDENT TYPES (Includes Intent)					
I. Single Driver	A. Right Roadside Departure	 01 DRIVE OFF ROAD	 02 CONTROL/ TRACTION LOSS	 03 AVOID COLLISION WITH VEH., PED., ANIM.	04 SPECIFICS OTHER	05 SPECIFICS UNKNOWN	
	B. Left Roadside Departure	 06 DRIVE OFF ROAD	 07 CONTROL/ TRACTION LOSS	 08 AVOID COLLISION WITH VEH., PED., ANIM.	09 SPECIFICS OTHER	10 SPECIFICS UNKNOWN	
	C. Forward Impact	 11 PARKED VEHICLE	 12 STATIONARY OBJECT	 13 PEDESTRIAN/ ANIMAL	 14 END DEPARTURE	15 SPECIFICS OTHER	16 SPECIFICS UNKNOWN
II. Same Trafficway Same Direction	D. Rear-End	 20 STOPPED 21, 22, 23	 24 SLOWER 25, 26, 27	 28 DECELERATING 29, 30, 31	(EACH - 32) SPECIFICS OTHER	(EACH - 33) SPECIFICS UNKNOWN	
	E. Forward Impact	 34 CONTROL/ TRACTION LOSS	 36 CONTROL/ TRACTION LOSS	 38 AVOID COLLISION WITH VEHICLE	 40 AVOID COLLISION WITH OBJECT	(EACH - 42) SPECIFICS OTHER	(EACH - 43) SPECIFICS UNKNOWN
	F. Sideswipe Angle	 44 45 46 47			(EACH - 48) SPECIFICS OTHER	(EACH - 49) SPECIFICS UNKNOWN	
III. Same Trafficway Opposite Direction	G. Head-On	 50 51 LATERAL MOVE			(EACH - 52) SPECIFICS OTHER	(EACH - 53) SPECIFICS UNKNOWN	
	H. Forward Impact	 54 CONTROL/ TRACTION LOSS	 56 CONTROL/ TRACTION LOSS	 58 AVOID COLLISION WITH VEHICLE	 60 AVOID COLLISION WITH OBJECT	(EACH - 62) SPECIFICS OTHER	(EACH - 63) SPECIFICS UNKNOWN
	I. Sideswipe/Angle	 64 65 LATERAL MOVE			(EACH - 66) SPECIFICS OTHER	(EACH - 67) SPECIFICS UNKNOWN	
IV. Change Trafficway Vehicle Turning	J. Turn Across Path	 68 69 INITIAL OPPOSITE DIRECTIONS	 70 71 72 INITIAL SAME DIRECTION		(EACH - 74) SPECIFICS OTHER	(EACH - 75) SPECIFICS UNKNOWN	
	K. Turn Into Path	 77 78 TURN INTO SAME DIRECTION	 80 81 82 TURN INTO OPPOSITE DIRECTIONS		(EACH - 84) SPECIFICS OTHER	(EACH - 85) SPECIFICS UNKNOWN	
V. Intersecting Paths (Vehicle Damage)	L. Straight Paths	 86 87	 88 89		(EACH - 90) SPECIFICS OTHER	(EACH - 91) SPECIFICS UNKNOWN	
VI. Miscellaneous	M. Backing Etc.	 92 93 BACKING VEHICLE			97 UNTRIPPED ROLLOVER 98 OTHER ACCIDENT TYPE 99 UNKNOWN ACCIDENT TYPE 00 NO IMPACT		

