

**Center for National
Truck and Bus Statistics**

**BUSES INVOLVED
IN FATAL ACCIDENTS
CODEBOOK 2002**

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February 2005

UMTRI

The University of Michigan
Transportation Research Institute

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(Version February 16, 2005)

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16. Abstract This report provides one-way frequencies for all vehicles in UMTRI's file of Buses Involved in Fatal Accidents (BIFA), 2002. The 2002 BIFA file is a census of all buses involved in a fatal accident in the United States. The BIFA database provides coverage of buses recorded in the Fatality Analysis Reporting System (FARS) file. BIFA combines vehicle, accident, and occupant records from FARS with information about the physical configuration and operating authority of the bus from the BIFA survey.					
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The BIFA survey is conducted by the Center for National Truck and Bus Statistics at the University of Michigan Transportation Research Institute with support from the Affiliates Program for the CNTBS. The preparation of the data file and codebook was supported by the Federal Motor Carrier Safety Administration.

INTRODUCTION

Overview

This report documents the February 16, 2005 version of the Buses Involved in Fatal Accidents, 2002, dataset. The report summarizes all the information in the computerized data file. That file contains records for all the buses that were involved in a fatal accident in all 50 U.S. states during calendar year 2002. A bus is defined as a vehicle designed to carry at least nine people, including the driver, that is not used for personal transportation. All the vehicles included in the BIFA file are from Version 21Oct03, 2003, of the Fatality Analysis Reporting System (FARS) file for 2002 accidents, developed by the National Highway Traffic Safety Administration (NHTSA).

The Center for National Truck and Bus Statistics (CNTBS) at the University of Michigan's Transportation Research Institute (UMTRI) has compiled the TIFA (Trucks Involved in Fatal Accidents) file each year since 1980. Patterned after this file, the BIFA database combines CNTBS survey data with FARS variables to provide complete national coverage and an enhanced description of all buses involved in fatal traffic accidents in the United States. The purpose of the BIFA file is to provide accurate and complete information on the fatal accident experience of buses nationwide to support the evaluation of bus traffic safety issues.

The 2002 BIFA file is a census file, including each of the 298 buses involved in a fatal traffic accident in 2002. This codebook presents the code levels and frequency distributions for each variable in the BIFA file.

Missing data rates for BIFA survey variables vary. The range of missing data values is illustrated by the following examples. Bus type (variable 1180) could not be determined for twenty-one (7.0%) of the 298 cases. Hours driving (variable 1510) is unknown for 103 (34.6%) cases. Gross vehicle weight rating (variable 1240) could not be determined with certainty for 53 (17.8%) cases. This variable is most often obtained by decoding the Vehicle Identification Number (VIN). In some cases, GVWR information was furnished by primary respondents and, if plausible, accepted. In other cases, a GVWR determination could be made based on familiarity with vehicle type. Cases for which the GVWR variable could not be decoded or determined with certainty were coded as unknown.

The dataset includes virtually all the variables from the public version of the FARS file: the accident variables, the vehicle variables (for the bus), and the occupant variables (for the driver

of the bus). All records in the BIFA file are at the vehicle level; that is, there is one record for each bus involved.

In addition to the variables from FARS (variables 1 through 363), there is a set of variables (numbers 1110 through 1870) that contains the information from the BIFA survey form. The bulk of this information is produced by telephone interviews with the driver, owner, or some other involved party. Some of this information is transcribed from police reports collected from the states.

In total, 50 police reports involving fatal bus crashes in 2002 were unavailable. For all of these cases, an attempt was made to match the FARS case to the Motor Carrier Management Information System (MCMIS) case using date, time, and vehicle information. The MCMIS file usually contains contact information for both owner and investigating officer. These data were used to obtain information when possible. Only those cases where the match was certain were pursued.

While the FARS file includes much information on the accident environment and events, the information on the vehicles involved, particularly buses, is limited. The BIFA survey supplements the FARS file with a detailed description of each bus and its operator. The BIFA survey collects information about the physical configuration of the bus, the type of organization operating the bus, and the type of application the bus was used for. In addition, the BIFA survey determines the seating capacity of the bus; its weight, length, and width; the number of passengers at the time of the crash; and several other details of the operations of the bus. (The BIFA survey instrument may be found in the appendix of this codebook.) The combination of the FARS accident-level variables with the physical description of the bus from the BIFA survey provides the most detailed account of buses involved in fatal accidents available.

Sources of Information

The first step in the acquisition of the data to supplement FARS is to obtain, from the states, copies of the police reports on all fatal accidents involving at least one bus. While the formats of these reports vary considerably from state to state, they all include the identities of the owner and the driver of the vehicles involved (though some states remove this information) and a description, sometimes very brief, of what occurred. These police reports are used to identify the appropriate respondent to contact and to check responses for accuracy. As mentioned earlier, fifty police reports were unavailable.

Information is collected primarily by telephone interviews. The person or company contacted is, when possible, the owner of the vehicle as listed in the police report. If no contact can be made with the owner, an attempt is made to reach the driver. If neither the owner nor the driver can be reached, as much information as possible is collected from other parties, such as the police officer

who investigated the accident or the tow truck operator if the vehicle was towed from the scene. Finally, if no knowledgeable respondent can be found, as much information as possible is coded from the police report. For these cases, variable 1830, which documents whether an interview was conducted, is coded "no," and variable 1840, police report, is coded "yes."

CNTBS survey staff are specially trained to collect the BIFA data. The training includes information on the types and uses of different buses, methods for locating knowledgeable respondents, and the different terms used in different industry segments and areas. Unlike many phone surveys in which questions are read from a script, the BIFA interview depends in large part on the knowledge of the CNTBS researchers. The extensive training about buses enables them to probe intelligently and effectively for the required information.

An experienced editor reviews each BIFA case. The editor decodes the VINs and reviews the bus description obtained in the interview for consistency and accuracy. The editor compares the description of each bus obtained by the survey with manufacturers' specifications and other materials. These materials include chassis and body specifications for many bus makes and models, as well as typical passenger seating configurations for different bus types and applications.

All modifications to survey responses are indicated in variables 1861 through 1870. Imputations made by the editor to fill in missing data elements are also indicated there. The numbers coded in these variables are the question numbers on the interview form. For example, a "16" in variable 1862 indicates that the second item corrected or derived for that particular case was the response to question 16 on the interview form. There is no particular pattern to the order in which such modifications are indicated. Derivations were made when the editor was able to deduce a piece of information to fill in something missing on the interview form. For example, an empty weight might have been estimated for the bus by decoding the VIN to identify the model, consulting the manufacturer's specifications for the cab and chassis weight, and then adding the appropriate amount for the body.

Number of Cases

Version 21Oct03 of the 2002 FARS file lists 302 vehicles involved in fatal accidents in the United States, that were identified as possible buses. However, some of the selected vehicles were subsequently found to be non-passenger carrying vehicles. These included motor home conversions, cargo vehicle conversions, station wagons, etc. Altogether nine cases were determined to be something other than a bus. In addition, five cases were identified during the TIFA interviewing process that proved to be buses, not trucks. These cases were not identified as buses in any FARS variable, but were only discovered because the CNTBS also surveys trucks involved in fatal accidents. Adding these five cases to the 302 cases identified

in FARS yields 307 vehicles. Subtracting the nine vehicles incorrectly identified in FARS as a bus leaves 298, which is the number of buses involved in fatal traffic accidents in 2002.

Obtaining Information from the Dataset

This report provides counts and distributions of the code values for each variable in the BIFA file. These tabulations are useful for understanding the variables available in the file, the completeness of the data, and the number of cases with any specific code value.

Many research questions require more detailed cross-classification of the data. The staff of the Center for National Truck and Bus Statistics at UMTRI is pleased to make appropriate runs for outside users. Requests for consultation on and analysis of the data are welcome and may be addressed to Daniel Blower at (734) 764-0248. The file has also been provided to the FMCSA. Finally, while every effort has been made to check the accuracy of the data, the file may contain errors not yet detected.

BUSES INVOLVED IN FATAL ACCIDENTS, 2002
FARS ACCIDENT VARIABLES

Variable Number	Variable Name	Width	Storage Type	Page Number
1	CASE STATE	2	Numeric	15
2	CASE NUMBER	4	Numeric	16
7	CITY	4	Numeric	16
8	COUNTY	3	Numeric	16
9	ACCIDENT DATE - MONTH	2	Numeric	17
10	ACCIDENT DATE - DAY	2	Numeric	17
11	ACCIDENT DATE - YEAR	4	Numeric	17
12	ACCIDENT TIME - HOUR	2	Numeric	17
13	ACCIDENT TIME - MINUTE	2	Numeric	18
14	NUMBER OF VEHICLE FORMS	2	Numeric	18
15	NUMBER OF PERSON FORMS	2	Numeric	19
16	LAND USE	1	Numeric	20
17	NATIONAL HIGHWAY SYSTEM	1	Numeric	20
18	ROADWAY FUNCTION CLASS	2	Numeric	20
19	ROUTE SIGNING	1	Numeric	21
20	TRAFFICWAY IDENTIFIER	20	Alphabetic	21
21	MILEPOINT	5	Numeric	21
22	SPECIAL JURISDICTION	1	Numeric	21
23	FIRST HARMFUL EVENT	2	Numeric	22
24	MANNER OF COLLISION	2	Numeric	24
25	RELATION TO JUNCTION	2	Numeric	24
26	RELATION TO ROADWAY	2	Numeric	25
27	TRAFFICWAY FLOW	1	Numeric	26
28	NUMBER OF TRAVEL LANES	1	Numeric	26
29	SPEED LIMIT	2	Numeric	26
30	ROADWAY ALIGNMENT	1	Numeric	27
31	ROADWAY PROFILE	1	Numeric	27
32	ROADWAY SURFACE TYPE	1	Numeric	28
33	ROADWAY SURFACE CONDITION	1	Numeric	28
34	TRAFFIC CONTROL DEVICE	2	Numeric	28
35	TRAFFIC CONT FUNCTIONING	1	Numeric	30
36	HIT AND RUN	1	Numeric	30
37	LIGHT CONDITION	1	Numeric	30
38	ATMOSPHERIC CONDITIONS	1	Numeric	30
39	CONSTRUCTION/MAINT ZONE	1	Numeric	31
40	EMS NOTIFIED - HOUR	2	Numeric	31
41	EMS NOTIFIED - MINUTE	2	Numeric	31
42	EMS ARRIVAL - HOUR	2	Numeric	32
43	EMS ARRIVAL - MINUTE	2	Numeric	32
46	SCHOOL BUS RELATED	1	Numeric	32
48	RAIL GRADE CROSSING ID	7	Alphabetic	32
49	NUMBER FATALITIES IN ACC	2	Numeric	33
50	DAY OF WEEK	1	Numeric	33
51	NUMBER DRINKING DRIVERS	1	Numeric	33
52	ACCIDENT DATE - JULIAN	5	Numeric	33
53	NUMBER UNINJURED IN ACC	2	Numeric	34
54	NUMBER C-INJURED IN ACC	2	Numeric	34
55	NUMBER B-INJURED IN ACC	2	Numeric	34
56	NUMBER A-INJURED IN ACC	2	Numeric	35
57	NUMBER K-INJURED IN ACC	2	Numeric	35

BUSES INVOLVED IN FATAL ACCIDENTS, 2002
FARS ACCIDENT VARIABLES

<u>Variable Number</u>	<u>Variable Name</u>	<u>Width</u>	<u>Storage Type</u>	<u>Page Number</u>
58	NUM UNK INJURED IN ACC	2	Numeric	36
59	ACC RELATED FACTORS #1	2	Numeric	36
60	ACC RELATED FACTORS #2	2	Numeric	37
61	ACC RELATED FACTORS #3	2	Numeric	37

BUSES INVOLVED IN FATAL ACCIDENTS, 2002
FARS VEHICLE VARIABLES

Variable Number	Variable Name	Width	Storage Type	Page Number
104	VEHICLE NUMBER	2	Numeric	39
107	NUMBER OF OCCUPANTS	2	Numeric	39
108	VEHICLE MAKE	2	Numeric	40
109	VEHICLE MAKE-MODEL	5	Numeric	40
110	BODY TYPE	2	Numeric	41
111	MODEL YEAR	4	Numeric	41
112	VIN	12	Alphabetic	42
123	REGISTRATION STATE	2	Numeric	42
124	REGISTERED VEHICLE OWNER	1	Numeric	43
125	ROLLOVER	1	Numeric	44
126	JACKKNIFE	1	Numeric	44
127	TRAVEL SPEED	2	Numeric	44
128	HAZARDOUS CARGO	1	Numeric	45
129	VEHICLE TRAILERING	1	Numeric	45
130	VEHICLE CONFIGURATION	2	Numeric	45
131	NUMBER OF AXLES	2	Numeric	46
132	CARGO BODY TYPE	2	Numeric	46
133	SPECIAL USE	1	Numeric	46
134	EMERGENCY USE	1	Numeric	47
135	IMPACT POINT - INITIAL	2	Numeric	47
136	IMPACT POINT - PRINCIPAL	2	Numeric	47
137	EXTENT OF DEFORMATION	1	Numeric	48
138	VEHICLE ROLE	1	Numeric	48
139	MANNER OF LEAVING SCENE	1	Numeric	48
140	FIRE OCCURRENCE	1	Numeric	48
142	VEHICLE MANEUVER	2	Numeric	49
143	CRASH AVOIDANCE MANUEVER	1	Numeric	49
144	MOST HARMFUL EVENT	2	Numeric	49
145	NUMBER OF DEATHS IN VEH	2	Numeric	52
151	VIN TRUCK FUEL CODE	1	Numeric	52
152	VIN TRUCK WEIGHT CODE	1	Numeric	52
153	VIN TRUCK SERIES	3	Alphabetic	52
155	LENGTH OF VIN	2	Numeric	53
156	NUMBER UNINJURED IN VEH	2	Numeric	53
157	NUMBER C-INJURED IN VEH	2	Numeric	53
158	NUMBER B-INJURED IN VEH	2	Numeric	54
159	NUMBER A-INJURED IN VEH	2	Numeric	54
160	NUMBER K-INJURED IN VEH	2	Numeric	54
161	NUM UNK INJURED IN VEH	2	Numeric	55
162	VEH RELATED FACTORS #1	2	Numeric	55
163	VEH RELATED FACTORS #2	2	Numeric	56
164	UNDERRIDE/OVERRIDE	1	Numeric	56
170	MOTOR CARRIER ID NUMBER	11	Alphabetic	57
171	BUS USE	1	Numeric	57
172	GROSS WEIGHT RATING-GVWR	1	Numeric	57

BUSES INVOLVED IN FATAL ACCIDENTS, 2002
FARS DRIVER VARIABLES

Variable Number	Variable Name	Width	Storage Type	Page Number
207	DRIVER PRESENCE	1	Numeric	59
208	DRIVER DRINKING	1	Numeric	59
209	LICENSE STATE	2	Numeric	59
210	NON-CDL LICENSE STATUS	1	Numeric	60
211	LICENSE CLASS COMPLIANCE	1	Numeric	61
212	CDL LICENSE STATUS	1	Numeric	61
213	LICENSE ENDORSEMENTS	1	Numeric	62
214	LICENSE RESTRICTIONS MET	1	Numeric	62
216	NUMBER OF PREV ACCIDENTS	2	Numeric	62
217	NUMBER PREV SUSPENSIONS	2	Numeric	62
218	NUMBER OF PREV DWI CONV	2	Numeric	63
219	NUM PREV SPEEDING CONV	2	Numeric	63
220	NUM PREV OTHER MV CONV	2	Numeric	63
221	LAST ACCIDENT - MONTH	2	Numeric	64
222	LAST ACCIDENT - YEAR	4	Numeric	64
223	FIRST ACCIDENT - MONTH	2	Numeric	64
224	FIRST ACCIDENT - YEAR	4	Numeric	65
227	DRIVER RELATED FACTORS#1	2	Numeric	65
228	DRIVER RELATED FACTORS#2	2	Numeric	68
229	DRIVER RELATED FACTORS#3	2	Numeric	69
230	DRIVER RELATED FACTORS#4	2	Numeric	70
231	VIOLATIONS CHARGED #1	2	Numeric	70
232	VIOLATIONS CHARGED #2	2	Numeric	72
233	VIOLATIONS CHARGED #3	2	Numeric	73
235	DRIVER HEIGHT	2	Numeric	73
236	DRIVER WEIGHT	3	Numeric	74

BUSES INVOLVED IN FATAL ACCIDENTS, 2002
FARS OCCUPANT VARIABLES

Variable Number	Variable Name	Width	Storage Type	Page Number
306	OCCUPANT NUMBER	2	Numeric	75
308	OCCUPANT AGE	2	Numeric	75
309	OCCUPANT SEX	1	Numeric	76
310	OCCUPANT TYPE	2	Numeric	76
311	OCC SEATING POSITION	2	Numeric	76
312	RESTRAINT SYSTEM USE	2	Numeric	77
313	AIR BAG AVAIL/DEPLOY	2	Numeric	77
314	OCCUPANT EJECTION	1	Numeric	77
315	EJECTION PATH	1	Numeric	78
316	OCCUPANT EXTRICATION	1	Numeric	78
321	DRUG INVOLVEMENT	1	Numeric	78
322	DRUG DETERMINATION	1	Numeric	79
323	DRUG TEST TYPE #1	1	Numeric	79
324	DRUG TEST RESULTS #1	3	Numeric	79
325	DRUG TEST TYPE #2	1	Numeric	80
326	DRUG TEST RESULTS #2	3	Numeric	80
327	DRUG TEST TYPE #3	1	Numeric	81
328	DRUG TEST RESULTS #3	3	Numeric	82
329	OCCUPANT INJURY SEVERITY	1	Numeric	82
330	OCC TAKEN TO HOSPITAL	1	Numeric	83
331	OCC DEATH DATE - MONTH	2	Numeric	83
332	OCC DEATH DATE - DAY	2	Numeric	84
333	OCC DEATH DATE - YEAR	4	Numeric	84
334	OCC DEATH TIME - HOURS	2	Numeric	84
335	OCC DEATH TIME - MINUTES	2	Numeric	84
336	LAG TIME ACC/DEATH - HRS	3	Numeric	85
342	OCC FATAL INJURY AT WORK	1	Numeric	85
345	OCC ALCOHOL INVOLVEMENT	1	Numeric	85
346	OCC METH ALC DETERMINAT	1	Numeric	85
347	ALCOHOL TEST TYPE	1	Numeric	86
348	OCC ALCOHOL TEST RESULT	2	Numeric	86
361	RACE	2	Numeric	86
362	HISPANIC ORIGIN	2	Numeric	87
363	OCC DEAD ON ARRIVAL	1	Numeric	87

BUSES INVOLVED IN FATAL ACCIDENTS, 2002
SURVEY VARIABLES

Variable Number	Variable Name	Width	Storage Type	Page Number
1110	BUS MAKE	3	Numeric	89
1120	FINAL MANUFACTURER	30	Alphabetic	89
1130	MODEL YEAR	4	Numeric	90
1140	FRONT OF BUS	1	Numeric	90
1150	ENGINE LOCATION	1	Numeric	90
1160	FUEL TYPE	1	Numeric	91
1170	BUS MODEL	10	Alphabetic	91
1180	BUS TYPE	2	Numeric	91
1190	DESCRIPTION OF BUS	50	Alphabetic	92
1200	NUMBER OF AXLES	1	Numeric	92
1210	BODY STYLE	1	Numeric	93
1220	PASS SEATING CAPACITY	3	Numeric	93
1230	NUMBER OF PASSENGERS	3	Numeric	94
1240	GROSS VEH WEIGHT RATING	1	Numeric	95
1250	EMPTY WEIGHT	6	Numeric	95
1260	LENGTH	3	Numeric	96
1270	WIDTH	3	Numeric	96
1280	GEN PASSENGER RESTRAINT	1	Numeric	97
1290	SPECIAL NEEDS RESTRAINT	1	Numeric	97
1310	DESCRIPTION OF OPER AUTH	50	Alphabetic	97
1320	FLEET SIZE	6	Numeric	98
1330	NUMBER OWNED	6	Numeric	99
1340	NUMBER LEASED	6	Numeric	99
1350	BUS OPERATOR TYPE	2	Numeric	99
1360	AREA OF OPERATION	1	Numeric	99
1370	OPERATING AUTHORITY	1	Numeric	100
1380	TRIP TYPE	1	Numeric	100
1410	ROLLOVER	1	Numeric	100
1420	DIRECTION OF ROLL	1	Numeric	100
1430	NUMBER OF QUARTER TURNS	2	Numeric	101
1510	HOURS DRIVING	2	Numeric	101
1520	COMPENSATION-HOURLY	1	Numeric	101
1530	COMPENSATION-MILEAGE	1	Numeric	101
1540	COMPENSATION-TIPS	1	Numeric	102
1550	COMPENSATION-% REVENUE	1	Numeric	102
1560	COMPENSATION-SALARY	1	Numeric	102
1570	COMPENSATION-DRIVER OWN	1	Numeric	102
1580	COMPENSATION-DRIVER VOL	1	Numeric	102
1590	COMPENSATION-NOT A DRVR	1	Numeric	103
1600	COMPENSATION-OTHER	1	Numeric	103
1610	DESCRIBE COMPENSATION	50	Alphabetic	103
1710	ACCIDENT TYPE	2	Numeric	103
1720	PEDESTRIAN FATALITY	2	Numeric	104
1830	INTERVIEW CONDUCTED	1	Numeric	104
1840	POLICE REPORT	1	Numeric	104
1850	FAX/MAIL	1	Numeric	105
1861	1ST QUESTION DERIVED	2	Numeric	105
1862	2ND QUESTION DERIVED	2	Numeric	105
1863	3RD QUESTION DERIVED	2	Numeric	105
1864	4TH QUESTION DERIVED	2	Numeric	105

BUSES INVOLVED IN FATAL ACCIDENTS, 2002
SURVEY VARIABLES

<u>Variable Number</u>	<u>Variable Name</u>	<u>Width</u>	<u>Storage Type</u>	<u>Page Number</u>
1865	5TH QUESTION DERIVED	2	Numeric	106
1866	6TH QUESTION DERIVED	2	Numeric	106
1867	7TH QUESTION DERIVED	2	Numeric	106
1868	8TH QUESTION DERIVED	2	Numeric	106
1869	9TH QUESTION DERIVED	2	Numeric	106
1870	10TH QUESTION DERIVED	2	Numeric	106

The ACCIDENT Variables

Variables 1 through 61 are the FARS variables that describe the accident.

Variable 1	CASE STATE		Width: 2	Type: Numeric
			Dec: None	Miss: None
N	Prcnt	Code Value and Description		
1	0.3	1 Alabama		
0	0.0	2 Alaska		
8	2.7	4 Arizona		
3	1.0	5 Arkansas		
38	12.8	6 California		
6	2.0	8 Colorado		
3	1.0	9 Connecticut		
1	0.3	10 Delaware		
1	0.3	11 District of Columbia		
22	7.4	12 Florida		
8	2.7	13 Georgia		
5	1.7	15 Hawaii		
2	0.7	16 Idaho		
7	2.3	17 Illinois		
1	0.3	18 Indiana		
3	1.0	19 Iowa		
3	1.0	20 Kansas		
5	1.7	21 Kentucky		
3	1.0	22 Louisiana		
0	0.0	23 Maine		
5	1.7	24 Maryland		
6	2.0	25 Massachusetts		
11	3.7	26 Michigan		
4	1.3	27 Minnesota		
1	0.3	28 Mississippi		
8	2.7	29 Missouri		
1	0.3	30 Montana		
1	0.3	31 Nebraska		
6	2.0	32 Nevada		
0	0.0	33 New Hampshire		
12	4.0	34 New Jersey		
5	1.7	35 New Mexico		
26	8.7	36 New York		
6	2.0	37 North Carolina		
1	0.3	38 North Dakota		
9	3.0	39 Ohio		
4	1.3	40 Oklahoma		
3	1.0	41 Oregon		
15	5.0	42 Pennsylvania		
2	0.7	44 Rhode Island		
5	1.7	45 South Carolina		
0	0.0	46 South Dakota		
3	1.0	47 Tennessee		
24	8.1	48 Texas		

BUSES INVOLVED IN FATAL ACCIDENTS, 2002
 FARS ACCIDENT VARIABLES

Variable 1:CASE STATE (Continued)

N	Prcnt	Code	Value and Description
2	0.7	49	Utah
1	0.3	50	Vermont
6	2.0	51	Virginia
3	1.0	53	Washington
3	1.0	54	West Virginia
5	1.7	55	Wisconsin
0	0.0	56	Wyoming

Variable 2	CASE NUMBER	Width: 4	Type: Numeric
		Dec: None	Miss: None

CASE NUMBER ASSIGNED WITHIN STATES

N	Prcnt	Code	Value and Description
0	0.0	1	
		-	Case number
0	0.0	9999	

Variable 7	CITY	Width: 4	Type: Numeric
		Dec: None	Miss: 9999

CITY - GSA GEOGRAPHIC LOCATION CODE

N	Prcnt	Code	Value and Description
107	35.9	0	Not applicable
0	0.0	1	
		-	GSA code
0	0.0	9996	
1	0.3	9997	Other
0	0.0	9999	Unknown

Variable 8	COUNTY	Width: 3	Type: Numeric
		Dec: None	Miss: 999

COUNTY - GSA GEOGRAPHIC LOCATION CODE

N	Prcnt	Code	Value and Description
0	0.0	0	Not applicable
9	3.0	1	
		-	GSA code
0	0.0	996	
0	0.0	997	Other
0	0.0	999	Unknown

BUSES INVOLVED IN FATAL ACCIDENTS, 2002
 FARS ACCIDENT VARIABLES

Variable 9	<u>ACCIDENT DATE - MONTH</u>	Width: 2	Type: Numeric
		Dec: None	Miss: 99

N	Prcnt	Code	Value and Description
36	12.1	1	January
26	8.7	2	February
23	7.7	3	March
19	6.4	4	April
26	8.7	5	May
25	8.4	6	June
15	5.0	7	July
13	4.4	8	August
35	11.7	9	September
30	10.1	10	October
33	11.1	11	November
17	5.7	12	December

Variable 10	<u>ACCIDENT DATE - DAY</u>	Width: 2	Type: Numeric
		Dec: None	Miss: 99

N	Prcnt	Code	Value and Description
10	3.4	1	
		-	Day of month
6	2.0	31	

Variable 11	<u>ACCIDENT DATE - YEAR</u>	Width: 4	Type: Numeric
		Dec: None	Miss: 9999

N	Prcnt	Code	Value and Description
298	100.0	2002	2002

Variable 12	<u>ACCIDENT TIME - HOUR</u>	Width: 2	Type: Numeric
		Dec: None	Miss: 99

N	Prcnt	Code	Value and Description
5	1.7	0	12:01 am - 12:59 am
4	1.3	1	1:00 am - 1:59 am
2	0.7	2	2:00 am - 2:59 am
2	0.7	3	3:00 am - 3:59 am
6	2.0	4	4:00 am - 4:59 am
9	3.0	5	5:00 am - 5:59 am
18	6.0	6	6:00 am - 6:59 am
34	11.4	7	7:00 am - 7:59 am
21	7.0	8	8:00 am - 8:59 am
10	3.4	9	9:00 am - 9:59 am
7	2.3	10	10:00 am - 10:59 am

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Variable 12: ACCIDENT TIME - HOUR (Continued)

N	Prcnt	Code	Value and Description
8	2.7	11	11:00 am - 11:59 am
13	4.4	12	12:00 pm - 12:59 pm
8	2.7	13	1:00 pm - 1:59 pm
21	7.0	14	2:00 pm - 2:59 pm
37	12.4	15	3:00 pm - 3:59 pm
27	9.1	16	4:00 pm - 4:59 pm
16	5.4	17	5:00 pm - 5:59 pm
19	6.4	18	6:00 pm - 6:59 pm
12	4.0	19	7:00 pm - 7:59 pm
7	2.3	20	8:00 pm - 8:59 pm
6	2.0	21	9:00 pm - 9:59 pm
3	1.0	22	10:00 pm - 10:59 pm
3	1.0	23	11:00 pm - 11:59 pm
0	0.0	24	12:00 midnight
0	0.0	99	Unknown

Variable 13	ACCIDENT TIME - MINUTE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

N	Prcnt	Code	Value and Description
22	7.4	0	- Minute
1	0.3	59	
0	0.0	99	Unknown

Variable 14	NUMBER OF VEHICLE FORMS	Width: 2	Type: Numeric
		Dec: None	Miss: None

NUMBER OF VEHICLES INVOLVED IN ACCIDENT

N	Prcnt	Code	Value and Description
99	33.2	1	1 vehicle
157	52.7	2	2 vehicles
32	10.7	3	3 vehicles
7	2.3	4	4 vehicles
1	0.3	5	5 vehicles
1	0.3	7	7 vehicles
1	0.3	12	12 vehicles

BUSES INVOLVED IN FATAL ACCIDENTS, 2002
 FARS ACCIDENT VARIABLES

Variable 15	NUMBER OF PERSON FORMS	Width: 2	Type: Numeric
		Dec: None	Miss: None

NUMBER OF PERSONS INVOLVED IN ACCIDENT

Does not include uninjured bus or railway train occupants

N	Prcnt	Code	Value and Description
2	0.7	1	1 person
140	47.0	2	2 persons
47	15.8	3	3 persons
28	9.4	4	4 persons
15	5.0	5	5 persons
11	3.7	6	6 persons
8	2.7	7	7 persons
5	1.7	8	8 persons
4	1.3	9	9 persons
4	1.3	10	10 persons
1	0.3	11	11 persons
5	1.7	12	12 persons
4	1.3	14	14 persons
2	0.7	15	15 persons
3	1.0	16	16 persons
1	0.3	19	19 persons
1	0.3	20	20 persons
1	0.3	21	21 persons
1	0.3	22	22 persons
1	0.3	23	23 persons
1	0.3	24	24 persons
2	0.7	25	25 persons
1	0.3	27	27 persons
1	0.3	29	29 persons
1	0.3	31	31 persons
1	0.3	33	33 persons
1	0.3	34	34 persons
1	0.3	35	35 persons
1	0.3	38	38 persons
1	0.3	41	41 persons
1	0.3	49	49 persons
1	0.3	52	52 persons
1	0.3	55	55 persons

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Variable 16	LAND USE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

LAND USE - FHWA CLASSIFICATION

Recode of Roadway Function Class (V 18)

N	Prcnt	Code	Value and Description
192	64.4	1	Urban area
105	35.2	2	Rural area
1	0.3	9	Unknown

Variable 17	NATIONAL HIGHWAY SYSTEM	Width: 1	Type: Numeric
		Dec: None	Miss: 9

National Highway System (NHS) includes the entire Interstate System, and consists of principal arterial system routes and some Strategic Highway Network connectors functionally classified below principal arterial.

N	Prcnt	Code	Value and Description
237	79.5	0	This section is not on the NHS
60	20.1	1	This section is on the NHS
1	0.3	9	Unknown if this section is on the NHS

Variable 18	ROADWAY FUNCTION CLASS	Width: 2	Type: Numeric
		Dec: None	Miss: 99

N	Prcnt	Code	Value and Description
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Rural

14	4.7	1	Principal arterial - interstate
20	6.7	2	Principal arterial - other
24	8.1	3	Minor arterial
22	7.4	4	Major collector
11	3.7	5	Minor collector
13	4.4	6	Local road or street
1	0.3	9	Unknown rural

Urban

8	2.7	11	Principal arterial - interstate
6	2.0	12	Principal arterial - other freeways or expressways
56	18.8	13	Other principal arterial
52	17.4	14	Minor arterial
14	4.7	15	Collector
56	18.8	16	Local road or street
0	0.0	19	Unknown urban
1	0.3	99	Unknown

BUSES INVOLVED IN FATAL ACCIDENTS, 2002
 FARS ACCIDENT VARIABLES

Variable 19 ROUTE SIGNING Width: 1 Type: Numeric
 Dec: None Miss: 9

N	Prcnt	Code	Value and Description
21	7.0	1	Interstate
31	10.4	2	U.S. highway
71	23.8	3	State highway
39	13.1	4	County road
Local Street			
17	5.7	5	Township
101	33.9	6	Municipality
2	0.7	7	Frontage road
11	3.7	8	Other
5	1.7	9	Unknown

Variable 20 TRAFFICWAY IDENTIFIER Width: 20 Type: Alphabetic
 Dec: None Miss: None

N	Prcnt	Code	Value and Description
0	0.0	99999999999999999999	Unknown

Variable 21 MILEPOINT Width: 5 Type: Numeric
 Dec: None Miss: 99999

N	Prcnt	Code	Value and Description
144	48.3	0	None
1	0.3	1	
		-	Actual to nearest .1 mile
1	0.3	09999	
34	11.4	99999	Unknown

Variable 22 SPECIAL JURISDICTION Width: 1 Type: Numeric
 Dec: None Miss: 9

N	Prcnt	Code	Value and Description
298	100.0	0	No special jurisdiction
0	0.0	1	National Park Service
0	0.0	2	Military
0	0.0	3	Indian reservation
0	0.0	4	College/University campus
0	0.0	5	Other Federal properties
0	0.0	8	Other
0	0.0	9	Unknown

BUSES INVOLVED IN FATAL ACCIDENTS, 2002
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Variable 23	FIRST HARMFUL EVENT	Width: 2	Type: Numeric
		Dec: None	Miss: 99

1ST EVENT CAUSING INJURY/PROPERTY DAMAGE

N	Prcnt	Code	Value and Description
1	0.3	1	Overturn
0	0.0	2	Fire/explosion
0	0.0	3	Immersion
0	0.0	4	Gas inhalation
1	0.3	5	Fell from vehicle
0	0.0	6	Injured in vehicle
3	1.0	7	Other noncollision
79	26.5	8	Pedestrian
13	4.4	9	Pedalcycle
0	0.0	10	Railway train
0	0.0	11	Animal
183	61.4	12	Motor vehicle in transport
2	0.7	13	Motor vehicle in transport in other roadway
0	0.0	14	Parked motor vehicle
1	0.3	15	Other type nonmotorist
0	0.0	16	Thrown or falling object
0	0.0	17	Boulder
0	0.0	18	Other object (not fixed)
0	0.0	19	Building
0	0.0	20	Impact attenuator/crash cushion
0	0.0	21	Bridge pier or abutment
0	0.0	22	Bridge parapet end
0	0.0	23	Bridge rail
5	1.7	24	Guardrail
2	0.7	25	Concrete traffic barrier
0	0.0	26	Other longitudinal barrier type
0	0.0	27	Highway/traffic sign post
0	0.0	28	Overhead sign support
1	0.3	29	Luminaire/light support
1	0.3	30	Utility pole
0	0.0	31	Other post, pole or supports
1	0.3	32	Culvert
1	0.3	33	Curb
0	0.0	34	Ditch
0	0.0	35	Embankment - earth
0	0.0	36	Embankment - rock, stone or concrete
1	0.3	37	Embankment - material type unknown
0	0.0	38	Fence
0	0.0	39	Wall
0	0.0	40	Fire hydrant
0	0.0	41	Shrubbery
2	0.7	42	Tree
1	0.3	43	Other fixed object
0	0.0	44	Pavement surface irregularity (pothole, grooved, grates)
0	0.0	45	Transport device used as equipment
0	0.0	46	Traffic signal support
0	0.0	47	Vehicle Occupant Struck or Run Over by Own Vehicle
0	0.0	48	Collision With Snow Bank
0	0.0	49	Ridden animal or animal-drawn conveyance

Variable 23:FIRST HARMFUL EVENT (Continued)

N	Prcnt	Code	Value and Description
0	0.0	99	Unknown

The following list shows the code values given above grouped by collision type.

Noncollision Event

- 1 Overturn
- 2 Fire/explosion
- 3 Immersion
- 4 Gas inhalation
- 5 Fell from vehicle
- 6 Injured in vehicle
- 7 Other noncollision
- 16 Thrown or falling object
- 44 Pavement surface irregularity (pothole, grooved, grates)
- 47 Vehicle Occupant Struck or Run Over by Own Vehicle

Collision With Object Not Fixed

- 8 Pedestrian
- 9 Pedalcycle
- 10 Railway train
- 11 Animal
- 12 Motor vehicle in transport
- 13 Motor vehicle in transport in other roadway
- 14 Parked motor vehicle
- 15 Other type nonmotorist
- 18 Other object (not fixed)
- 45 Transport device used as equipment
- 49 Ridden animal or animal-drawn conveyance

Collision With Fixed Object

- 17 Boulder
- 19 Building
- 20 Impact attenuator/crash cushion
- 21 Bridge pier or abutment
- 22 Bridge parapet end
- 23 Bridge rail
- 24 Guardrail
- 25 Concrete traffic barrier
- 26 Other longitudinal barrier type
- 27 Highway/traffic sign post
- 28 Overhead sign support
- 29 Luminaire/light support
- 30 Utility pole
- 31 Other post, pole or supports
- 32 Culvert
- 33 Curb
- 34 Ditch
- 35 Embankment - earth
- 36 Embankment - rock, stone or concrete
- 37 Embankment - material type unknown
- 38 Fence

Variable 23:FIRST HARMFUL EVENT (Continued)

Code Value and Description

39 Wall
 40 Fire hydrant
 41 Shrubbery
 42 Tree
 43 Other fixed object
 46 Traffic signal support
 48 Collision With Snow Bank

Variable 24 MANNER OF COLLISION Width: 2 Type: Numeric
 Dec: None Miss: 99

N	Prcnt	Code	Value and Description
113	37.9	0	Not applicable
48	16.1	1	Rear-end
32	10.7	2	Head-on
3	1.0	3	Front-to-side:Same dir
21	7.0	4	Front-to-side:Opp dir
70	23.5	5	Front-to-side:Right angle
2	0.7	6	Front-to-side:Other
3	1.0	7	S-Swipe:Same dir
5	1.7	8	S-Swipe:Opp dir
0	0.0	9	Rear-to-Side
0	0.0	10	Rear-to-Rear
1	0.3	11	Other
0	0.0	99	Unknown

Variable 25 RELATION TO JUNCTION Width: 2 Type: Numeric
 Dec: None Miss: 99

N	Prcnt	Code	Value and Description
Noninterchange			
139	46.6	1	Nonjunction
107	35.9	2	Intersection
36	12.1	3	Intersection related
4	1.3	4	Driveway, alley, access, etc.
1	0.3	5	Entrance/exit ramp related
0	0.0	6	Rail grade crossing
0	0.0	7	In crossover
0	0.0	9	Unknown, noninterchange
Interchange area			
3	1.0	10	Intersection
0	0.0	11	Intersection related
0	0.0	12	Driveway access
6	2.0	13	Entrance/exit ramp related
0	0.0	14	In crossover

Variable 25:RELATION TO JUNCTION (Continued)

N	Prcnt	Code	Value and Description
2	0.7	15	Other location in interchange
0	0.0	19	Unknown, interchange area
0	0.0	99	Unknown

Variable 26	RELATION TO ROADWAY	Width: 2	Type: Numeric
		Dec: None	Miss: 99

N	Prcnt	Code	Value and Description
279	93.6	1	On roadway
3	1.0	2	Shoulder
1	0.3	3	Median
9	3.0	4	Roadside
2	0.7	5	Outside right-of-way
2	0.7	6	Off roadway - location unknown
0	0.0	7	In parking lane
1	0.3	8	Gore
0	0.0	10	Separator
0	0.0	11	Two-way continuous left-turn lane
1	0.3	99	Unknown

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Variable 27	TRAFFICWAY FLOW	Width: 1	Type: Numeric
		Dec: None	Miss: 9

A trafficway may include several roadways if it is a physically divided highway. Trafficways are not physically divided unless the divider is a median, barrier or other constructed device. Pavement markings do not qualify.

N	Prcnt	Code	Value and Description
186	62.4	1	Not physically divided (two way trafficway)
68	22.8	2	Divided highway, median strip (without traffic barrier)
27	9.1	3	Divided highway, median strip (with traffic barrier)
6	2.0	4	One way trafficway
5	1.7	5	Divided highway, median strip (2way cont left-turn lane)
6	2.0	9	Unknown

Variable 28	NUMBER OF TRAVEL LANES	Width: 1	Type: Numeric
		Dec: None	Miss: 9

A roadway is one part of a divided trafficway or, if undivided, the same as the trafficway. It refers to the roadway on which the vehicle precipitating the accident was traveling. Only lanes open for travel are counted. Turn lanes are therefore excluded.

N	Prcnt	Code	Value and Description
1	0.3	1	1 lane
195	65.4	2	2 lanes
32	10.7	3	3 lanes
46	15.4	4	4 lanes
5	1.7	5	5 lanes
9	3.0	6	6 lanes
1	0.3	7	7 or more lanes
9	3.0	9	Unknown

Variable 29	SPEED LIMIT	Width: 2	Type: Numeric
		Dec: None	Miss: 99

N	Prcnt	Code	Value and Description
0	0.0	0	No statutory limit
0	0.0	5	5 mph
0	0.0	10	10 mph
0	0.0	15	15 mph
0	0.0	20	20 mph
37	12.4	25	25 mph
36	12.1	30	30 mph
53	17.8	35	35 mph
18	6.0	40	40 mph
35	11.7	45	45 mph
10	3.4	50	50 mph

Variable 29:SPEED LIMIT (Continued)

N	Prcnt	Code	Value and Description
48	16.1	55	55 mph
5	1.7	60	60 mph
18	6.0	65	65 mph
6	2.0	70	70 mph
5	1.7	75	75 mph
27	9.1	99	Unknown

Variable 30 ROADWAY ALIGNMENT Width: 1 Type: Numeric
 Dec: None Miss: 9

N	Prcnt	Code	Value and Description
264	88.6	1	Straight
33	11.1	2	Curve
1	0.3	9	Unknown

Variable 31 ROADWAY PROFILE Width: 1 Type: Numeric
 Dec: None Miss: 9

N	Prcnt	Code	Value and Description
224	75.2	1	Level
49	16.4	2	Grade
9	3.0	3	Hillcrest
1	0.3	4	Sag
15	5.0	9	Unknown

BUSES INVOLVED IN FATAL ACCIDENTS, 2002
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<u>Variable 32</u>	<u>ROADWAY SURFACE TYPE</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

N	Prcnt	Code	Value and Description
24	8.1	1	Concrete
256	85.9	2	Blacktop, bituminous or asphalt
0	0.0	3	Brick or block
2	0.7	4	Slag, gravel or stone
0	0.0	5	Dirt
0	0.0	8	Other
16	5.4	9	Unknown

<u>Variable 33</u>	<u>ROADWAY SURFACE CONDITION</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

ROADWAY SURFACE CONDITION

N	Prcnt	Code	Value and Description
234	78.5	1	Dry
54	18.1	2	Wet
6	2.0	3	Snow or slush
4	1.3	4	Ice
0	0.0	5	Sand, dirt, oil
0	0.0	8	Other
0	0.0	9	Unknown

<u>Variable 34</u>	<u>TRAFFIC CONTROL DEVICE</u>	Width: 2	Type: Numeric
		Dec: None	Miss: 99

N	Prcnt	Code	Value and Description
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160	53.7	0	No controls
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Not At Railroad Grade Crossing

Highway traffic signals

4	1.3	1	Traffic control signal (on colors) without pedestrian signal
18	6.0	2	Traffic control (on colors) with pedestrian signal
58	19.5	3	Traffic control signal (on colors) not known whether or not pedestrian signal
1	0.3	4	Flashing traffic control signal
0	0.0	5	Flashing beacon
0	0.0	6	Flashing highway traffic signal, type unknown or other than traffic control or beacon
0	0.0	7	Lane use control signal
1	0.3	8	Other highway traffic signal
0	0.0	9	Unknown highway traffic signal

Regulatory signs

46	15.4	20	Stop sign
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Variable 34:TRAFFIC CONTROL DEVICE (Continued)

N	Prcnt	Code	Value and Description
0	0.0	21	Yield sign
4	1.3	28	Other regulatory sign
0	0.0	29	Unknown type regulatory sign
			School zone signs
0	0.0	30	School speed limit sign
0	0.0	31	School advance or crossing sign
0	0.0	38	Other school related sign
0	0.0	39	Unknown type school zone sign
			Warning signs
3	1.0	40	Warning sign
			Miscellaneous not at railroad crossing
0	0.0	50	Officer, crossing guard, flagman, etc.
			At Railroad Grade Crossing
			Active devices
0	0.0	60	Gates
0	0.0	61	Flashing lights
0	0.0	62	Traffic control signal
0	0.0	63	Wigwags
0	0.0	64	Bells
0	0.0	68	Other train activated device
0	0.0	69	Active device, type unknown
			Passive devices
0	0.0	70	Cross-bucks
0	0.0	71	Stop sign
0	0.0	72	Other railroad crossing sign
0	0.0	73	Special warning device - watchman, flagged by crew
0	0.0	78	Other passive device
0	0.0	79	Passive device, type unknown
			Miscellaneous devices at railroad crossing
0	0.0	80	Grade crossing controlled, type unknown
0	0.0	98	Other
3	1.0	99	Unknown

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<u>Variable 35</u>	<u>TRAFFIC CONT FUNCTIONING</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

TRAFFIC CONTROL FUNCTIONING

N	Prcnt	Code	Value and Description
160	53.7	0	No controls
0	0.0	1	Device not functioning
1	0.3	2	Device functioning - functioning improperly
134	45.0	3	Device functioning properly
3	1.0	9	Unknown

<u>Variable 36</u>	<u>HIT AND RUN</u>	Width: 1	Type: Numeric
		Dec: None	Miss: None

N	Prcnt	Code	Value and Description
292	98.0	0	No hit and run
4	1.3	1	Hit motor vehicle in transport
2	0.7	2	Hit pedestrian or nonmotorist
0	0.0	3	Hit parked vehicle or object

<u>Variable 37</u>	<u>LIGHT CONDITION</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

N	Prcnt	Code	Value and Description
212	71.1	1	Daylight
20	6.7	2	Dark
50	16.8	3	Dark but lighted
11	3.7	4	Dawn
5	1.7	5	Dusk
0	0.0	9	Unknown

<u>Variable 38</u>	<u>ATMOSPHERIC CONDITIONS</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

N	Prcnt	Code	Value and Description
246	82.6	1	No adverse atmospheric conditions
39	13.1	2	Rain
1	0.3	3	Sleet (hail)
5	1.7	4	Snow
4	1.3	5	Fog
1	0.3	6	Rain and fog
0	0.0	7	Sleet and fog
1	0.3	8	Other (smog, smoke, blowing sand, or dust)
1	0.3	9	Unknown

Variable 39	CONSTRUCTION/MAINT ZONE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

CONSTRUCTION OR MAINTENANCE ZONE

Identifies accidents that occurred in a construction or maintenance zone. Use of this code does not imply that the accident was caused by the construction/maintenance activity or zone.

N	Prcnt	Code	Value and Description
290	97.3	0	None
5	1.7	1	Construction
1	0.3	2	Maintenance
0	0.0	3	Utility
2	0.7	4	Work zone, type unknown

Variable 40	EMS NOTIFIED - HOUR	Width: 2	Type: Numeric
		Dec: None	Miss: 99

N	Prcnt	Code	Value and Description
7	2.3	0	Not notified or 12:01 - 12:59 am
2	0.7	1	- Hour
0	0.0	24	
130	43.6	99	Unknown

Variable 41	EMS NOTIFIED - MINUTE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

N	Prcnt	Code	Value and Description
9	3.0	0	Not notified or on hour
2	0.7	1	- Minute
1	0.3	59	
130	43.6	99	Unknown

BUSES INVOLVED IN FATAL ACCIDENTS, 2002
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Variable 42	EMS ARRIVAL - HOUR	Width: 2	Type: Numeric
		Dec: None	Miss: 99

N	Prcnt	Code	Value and Description
8	2.7	0	Not notified or 12:01 - 12:59 am
2	0.7	1	
		-	Hour
0	0.0	24	
132	44.3	99	Unknown

Variable 43	EMS ARRIVAL - MINUTE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

N	Prcnt	Code	Value and Description
9	3.0	0	Not notified or on hour
1	0.3	1	
		-	Minute
4	1.3	59	
0	0.0	98	Unknown whether transported
137	46.0	99	Unknown

Variable 46	SCHOOL BUS RELATED	Width: 1	Type: Numeric
		Dec: None	Miss: 9

Identifies accidents in which a school bus was directly or indirectly involved, such as an accident involving children alighting from a school bus. The school bus does not have to be a traffic unit in the accident.

N	Prcnt	Code	Value and Description
189	63.4	0	No
109	36.6	1	Yes

Variable 48	RAIL GRADE CROSSING ID	Width: 7	Type: Alphabetic
		Dec: None	Miss: None

RAIL GRADE CROSSING ID - FRA CODE

N	Prcnt	Code	Value and Description
298	100.0	0000000	Not Applicable

Variable 49	NUMBER FATALITIES IN ACC	Width: 2	Type: Numeric
		Dec: None	Miss: None

NUMBER OF FATALITIES IN ACCIDENT

N	Prcnt	Code	Value and Description
0	0.0	0	0 killed
268	89.9	1	1 killed
16	5.4	2	2 killed
7	2.3	3	3 killed
1	0.3	4	4 killed
3	1.0	5	5 killed
2	0.7	6	6 killed
1	0.3	7	7 killed

Variable 50	DAY OF WEEK	Width: 1	Type: Numeric
		Dec: None	Miss: 9

N	Prcnt	Code	Value and Description
17	5.7	1	Sunday
50	16.8	2	Monday
45	15.1	3	Tuesday
52	17.4	4	Wednesday
47	15.8	5	Thursday
58	19.5	6	Friday
29	9.7	7	Saturday

Variable 51	NUMBER DRINKING DRIVERS	Width: 1	Type: Numeric
		Dec: None	Miss: None

N	Prcnt	Code	Value and Description
258	86.6	0	0 drivers
36	12.1	1	1 drivers
2	0.7	2	2 drivers
1	0.3	3	3 drivers
1	0.3	4	4 drivers

Variable 52	ACCIDENT DATE - JULIAN	Width: 5	Type: Numeric
		Dec: None	Miss: 0

The Julian date from March 1, 1900

N	Prcnt	Code	Value and Description
0	0.0	0	Missing data
1	0.3	37198	January 2, 2002

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BUSES INVOLVED IN FATAL ACCIDENTS, 2002
FARS ACCIDENT VARIABLES

Variable 52: ACCIDENT DATE - JULIAN (Continued)

N	Prcnt	Code	Value and Description
1	0.3	37558	December 28, 2002

Variable 53	NUMBER UNINJURED IN ACC	Width: 2	Type: Numeric
		Dec: None	Miss: None

NUMBER OF UNINJURED IN ACCIDENT

N	Prcnt	Code	Value and Description
81	27.2	0	0 uninjured
190	63.8	1	1 uninjured
15	5.0	2	2 uninjured
8	2.7	3	3 uninjured
3	1.0	4	4 uninjured
1	0.3	10	10 uninjured

Variable 54	NUMBER C-INJURED IN ACC	Width: 2	Type: Numeric
		Dec: None	Miss: None

NUMBER OF C-INJURED IN ACCIDENT

N	Prcnt	Code	Value and Description
194	65.1	0	0 C-injured
54	18.1	1	1 C-injured
13	4.4	2	2 C-injured
5	1.7	3	3 C-injured
2	0.7	4	4 C-injured
6	2.0	5	5 C-injured

Variable 55	NUMBER B-INJURED IN ACC	Width: 2	Type: Numeric
		Dec: None	Miss: None

NUMBER OF B-INJURED IN ACCIDENT

N	Prcnt	Code	Value and Description
226	75.8	0	0 B-injured
30	10.1	1	1 B-injured
13	4.4	2	2 B-injured
6	2.0	3	3 B-injured
2	0.7	4	4 B-injured
3	1.0	5	5 B-injured
1	0.3	6	6 B-injured
1	0.3	7	7 B-injured
4	1.3	8	8 B-injured

Variable 55:NUMBER B-INJURED IN ACC (Continued)

N	Prcnt	Code	Value and Description
3	1.0	10	10 B-injured
1	0.3	11	11 B-injured
1	0.3	14	14 B-injured
1	0.3	17	17 B-injured
1	0.3	19	19 B-injured
1	0.3	20	20 B-injured
1	0.3	25	25 B-injured
1	0.3	26	26 B-injured
1	0.3	31	31 B-injured
1	0.3	50	50 B-injured

Variable 56	NUMBER A-INJURED IN ACC	Width: 2	Type: Numeric
		Dec: None	Miss: None

NUMBER OF A-INJURED IN ACCIDENT

N	Prcnt	Code	Value and Description
238	79.9	0	0 A-injured
35	11.7	1	1 A-injured
9	3.0	2	2 A-injured
5	1.7	3	3 A-injured
3	1.0	4	4 A-injured
2	0.7	8	8 A-injured
1	0.3	9	9 A-injured
1	0.3	13	13 A-injured
1	0.3	15	15 A-injured
1	0.3	17	17 A-injured
2	0.7	33	33 A-injured

Variable 57	NUMBER K-INJURED IN ACC	Width: 2	Type: Numeric
		Dec: None	Miss: None

NUMBER OF K-INJURED IN ACCIDENT

N	Prcnt	Code	Value and Description
268	89.9	1	1 killed
16	5.4	2	2 killed
7	2.3	3	3 killed
1	0.3	4	4 killed
3	1.0	5	5 killed
2	0.7	6	6 killed
1	0.3	7	7 killed

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Variable 58	NUM UNK INJURED IN ACC	Width: 2	Type: Numeric
		Dec: None	Miss: None

NUMBER UNKNOWN INJURED IN ACCIDENT

N	Prcnt	Code	Value and Description
294	98.7	0	0 unknown injured
3	1.0	1	1 unknown injured
1	0.3	2	2 unknown injured

Variable 59	ACC RELATED FACTORS #1	Width: 2	Type: Numeric
		Dec: None	Miss: 99

FACTORS AT ACCIDENT LEVEL - RESPONSE #1

N	Prcnt	Code	Value and Description
282	94.6	0	None
0	0.0	1	Inadequate warning of exits, lanes narrowing, traffic controls, etc.
0	0.0	2	Shoulder related
2	0.7	3	Other construction created condition
0	0.0	4	No (or obscured) pavement marking
0	0.0	5	Surface under water
0	0.0	6	Inadequate construction or poor design of roadway, bridge, etc.
1	0.3	7	Surface washed out (caved in, road slippage)
			Special circumstances
1	0.3	14	Motor vehicle in transport struck by falling cargo, or something that was set in motion by a vehicle
0	0.0	15	Nonoccupant struck by falling cargo or something that came loose from or was set in motion by a vehicle
5	1.7	16	Nonoccupant struck vehicle
0	0.0	17	Vehicle set in motion by nondriver
0	0.0	18	Date of accident and date of EMS notification were not the same day
4	1.3	19	Recent previous accident scene nearby.
0	0.0	20	Police pursuit involved
0	0.0	21	Within designated school zone
2	0.7	22	Speed Limit is a Satutory Limit as recorded or was determined as, This State's "Basic Rule"
1	0.3	99	Unknown

Variable 60	ACC RELATED FACTORS #2	Width: 2	Type: Numeric
		Dec: None	Miss: 99

FACTORS AT ACCIDENT LEVEL - RESPONSE #2

N	Prcnt	Code	Value and Description
295	99.0	0	None
			Special circumstances
2	0.7	14	Motor vehicle in transport struck by falling cargo, or something that was set in motion by a vehicle
1	0.3	99	Unknown

Variable 61	ACC RELATED FACTORS #3	Width: 2	Type: Numeric
		Dec: None	Miss: 99

FACTORS AT ACCIDENT LEVEL - RESPONSE #3

N	Prcnt	Code	Value and Description
297	99.7	0	None
1	0.3	99	Unknown

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The VEHICLE Variables

Variables 104 through 172 describe the vehicle involved in the accident (i.e., the Bus).

Variable 104	VEHICLE NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: 0

N	Prcnt	Code	Value and Description
164	55.0	1	Vehicle #1
117	39.3	2	Vehicle #2
15	5.0	3	Vehicle #3
1	0.3	4	Vehicle #4
1	0.3	12	Vehicle #12

Variable 107	NUMBER OF OCCUPANTS	Width: 2	Type: Numeric
		Dec: None	Miss: 99

N	Prcnt	Code	Value and Description
1	0.3	0	0 occupants
177	59.4	1	1 occupant
33	11.1	2	2 occupants
8	2.7	3	3 occupants
8	2.7	4	4 occupants
1	0.3	5	5 occupants
11	3.7	6	6 occupants
1	0.3	8	8 occupants
2	0.7	9	9 occupants
4	1.3	10	10 occupants
3	1.0	11	11 occupants
2	0.7	13	13 occupants
1	0.3	15	15 occupants
1	0.3	16	16 occupants
1	0.3	18	18 occupants
1	0.3	19	19 occupants
2	0.7	20	20 occupants
1	0.3	22	22 occupants
1	0.3	23	23 occupants
2	0.7	27	27 occupants
1	0.3	30	30 occupants
1	0.3	31	31 occupants
1	0.3	32	32 occupants
1	0.3	34	34 occupants
1	0.3	41	41 occupants
1	0.3	43	43 occupants
1	0.3	48	48 occupants
1	0.3	55	55 occupants
27	9.1	97	Unknown - only injured reported
2	0.7	99	Unknown

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Variable 108	<u>VEHICLE MAKE</u>	Width: 2	Type: Numeric
		Dec: None	Miss: 99

N	Prcnt	Code	Value and Description
4	1.3	7	Dodge
32	10.7	12	Ford
12	4.0	20	Chevrolet
13	4.4	23	GMC
4	1.3	82	Freightliner
60	20.1	84	International
16	5.4	90	Bluebird
16	5.4	92	Gillig
29	9.7	93	MCI
13	4.4	94	Thomas Built
89	29.9	98	Other make
10	3.4	99	Unknown

Variable 109	<u>VEHICLE MAKE-MODEL</u>	Width: 5	Type: Numeric
		Dec: None	Miss: 99999

N	Prcnt	Code	Value and Description
4	1.3	7461	Dodge B-series Van
16	5.4	12461	Ford E-series Van
1	0.3	12881	Ford Med/Hvy CBE
12	4.0	12981	Ford Conventional Bus
3	1.0	12988	Ford Other Bus
5	1.7	20461	Chevrolet G-series Van
1	0.3	20470	Chevrolet Van Derivative
6	2.0	20981	Chevrolet Conventional Bus
5	1.7	23461	GMC G-series Van
8	2.7	23981	GMC Conventional Bus
4	1.3	82981	Freightliner Conventional Bus
1	0.3	84884	International Med/Hvy Unk engine location
58	19.5	84981	International Conventional Bus
1	0.3	84988	International Other Bus
11	3.7	90981	BLUE Conventional bus
4	1.3	90982	BLUE Bus front eng
1	0.3	90999	BLUE Bus Unknown
10	3.4	92981	GILL Conventional Bus
1	0.3	92982	GILL Bus front eng
3	1.0	92983	GILL Bus rear eng
2	0.7	92988	GILL Other bus
26	8.7	93981	MCI Conventional Bus
3	1.0	93988	MCI Other bus
9	3.0	94981	THOM Conventional bus
1	0.3	94982	THOM Bus front eng
3	1.0	94988	THOM Other bus
1	0.3	98884	Other Make Med/Hvy Unk engine location
6	2.0	98902	Other Make NEOPLAN Bus
6	2.0	98907	Orion
4	1.3	98908	Van Hool
43	14.4	98981	Other Make Conventional Bus

Variable 109:VEHICLE MAKE-MODEL (Continued)

N	Prcnt	Code	Value and Description
1	0.3	98982	Other Make Bus front engine
5	1.7	98983	Other Make Bus rear engine
23	7.7	98988	Other Make Other Bus
2	0.7	99981	Unknown Make Conventional Bus
2	0.7	99988	Unknown Make Other Bus
3	1.0	99989	Unknown Make Unknown Bus
3	1.0	99999	Unknown Make Unknown Vehicle

Variable 110	BODY TYPE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

N	Prcnt	Code	Value and Description
			Van-based Light Trucks, GVWR < 10,000 lbs.
9	3.0	21	Large Van (excludes moving van)
1	0.3	22	Step Van or walk-in van
13	4.4	24	Van based School Bus
7	2.3	25	Van based Transit Bus
1	0.3	28	Other Van type
			Buses (Excludes Van Based)
94	31.5	50	School Bus
34	11.4	51	X-country/Intercity
97	32.6	52	Transit Bus
25	8.4	58	Other Bus type
14	4.7	59	Unknown Bus type
1	0.3	66	Truck/Tractor
2	0.7	78	Unknown Med/Hvy truck type

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

N	Prcnt	Code	Value and Description
2	0.7	1976	1976
		-	Actual model year
4	1.3	1981	1981
4	1.3	1982	1982
2	0.7	1983	1983
2	0.7	1984	1984
7	2.3	1985	1985
7	2.3	1986	1986
5	1.7	1987	1987
4	1.3	1988	1988
11	3.7	1989	1989
10	3.4	1990	1990

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Variable 111:MODEL YEAR (Continued)

N	Prcnt	Code	Value and Description
9	3.0	1991	1991
9	3.0	1992	1992
10	3.4	1993	1993
12	4.0	1994	1994
19	6.4	1995	1995
25	8.4	1996	1996
23	7.7	1997	1997
24	8.1	1998	1998
34	11.4	1999	1999
29	9.7	2000	2000
29	9.7	2001	2001
12	4.0	2002	2002
2	0.7	9999	Unknown

Variable 112	VIN	Width: 12	Type: Alphabetic
		Dec: None	Miss: None

VEHICLE ID NUMBER - 1ST 12 POSITIONS

Variable 123	REGISTRATION STATE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

N	Prcnt	Code	Value and Description
31	10.4	0	Not applicable
2	0.7	1	Alabama
0	0.0	2	Alaska
7	2.3	4	Arizona
1	0.3	5	Arkansas
7	2.3	6	California
4	1.3	8	Colorado
4	1.3	9	Connecticut
1	0.3	10	Delaware
0	0.0	11	District of Columbia
23	7.7	12	Florida
5	1.7	13	Georgia
5	1.7	15	Hawaii
2	0.7	16	Idaho
7	2.3	17	Illinois
1	0.3	18	Indiana
3	1.0	19	Iowa
1	0.3	20	Kansas
5	1.7	21	Kentucky
3	1.0	22	Louisiana
0	0.0	23	Maine
5	1.7	24	Maryland
6	2.0	25	Massachusetts
11	3.7	26	Michigan

Variable 123:REGISTRATION STATE (Continued)

N	Prcnt	Code	Value and Description
4	1.3	27	Minnesota
0	0.0	28	Mississippi
6	2.0	29	Missouri
1	0.3	30	Montana
1	0.3	31	Nebraska
4	1.3	32	Nevada
0	0.0	33	New Hampshire
12	4.0	34	New Jersey
4	1.3	35	New Mexico
24	8.1	36	New York
7	2.3	37	North Carolina
1	0.3	38	North Dakota
9	3.0	39	Ohio
4	1.3	40	Oklahoma
2	0.7	41	Oregon
16	5.4	42	Pennsylvania
0	0.0	43	Puerto Rico
2	0.7	44	Rhode Island
5	1.7	45	South Carolina
0	0.0	46	South Dakota
2	0.7	47	Tennessee
19	6.4	48	Texas
2	0.7	49	Utah
1	0.3	50	Vermont
6	2.0	51	Virginia
1	0.3	53	Washington
3	1.0	54	West Virginia
5	1.7	55	Wisconsin
0	0.0	56	Wyoming
8	2.7	92	No registration
14	4.7	93	Multiple state registration - in state
0	0.0	94	Multiple state registration - out-of-state
0	0.0	95	U.S. government tags
1	0.3	96	Military vehicle
0	0.0	97	Foreign country
0	0.0	98	Other registration
0	0.0	99	Unknown

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

N	Prcnt	Code	Value and Description
39	13.1	0	N/A, Vehicle Not Registered
10	3.4	1	Driver was Registered Owner
10	3.4	2	Driver Not Registered Owner (other private owner listed)
236	79.2	3	Vehicle registered as Business/Company/Government vehicle
1	0.3	4	Vehicle registered as Rental vehicle

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Variable 124: REGISTERED VEHICLE OWNER (Continued)

N	Prcnt	Code	Value and Description
0	0.0	5	Vehicle was Stolen (reported by police)
1	0.3	6	Driverless Vehicle
1	0.3	9	Unknown

Variable 125	ROLLOVER	Width: 1	Type: Numeric
		Dec: None	Miss: 9

N	Prcnt	Code	Value and Description
284	95.3	0	No rollover
1	0.3	1	First event
13	4.4	2	Subsequent event

Variable 126	JACKKNIFE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

Identifies the loss of control of a truck in motion where the trailer yaws more than 15 degrees from its normal straight line path behind the cab.

N	Prcnt	Code	Value and Description
297	99.7	0	Not an articulated vehicle
1	0.3	1	No
0	0.0	2	First event
0	0.0	3	Subsequent event

Variable 127	TRAVEL SPEED	Width: 2	Type: Numeric
		Dec: None	Miss: 99

N	Prcnt	Code	Value and Description
29	9.7	0	Stopped vehicle
		-	Actual miles per hour
0	0.0	93	
95	31.9	98	Not reported
76	25.5	99	Unknown

BUSES INVOLVED IN FATAL ACCIDENTS, 2002
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Variable 128 HAZARDOUS CARGO Width: 1 Type: Numeric
 Dec: None Miss: 9

N	Prcnt	Code	Value and Description
297	99.7	0	No
0	0.0	1	Yes, Placarded
0	0.0	2	Yes, Not Placarded
0	0.0	3	Yes, Unknown if Placarded
1	0.3	9	Unknown

Variable 129 VEHICLE TRAILERING Width: 1 Type: Numeric
 Dec: None Miss: 9

Trailing unit applies to any device connected to a motor vehicle by a hitch, including tractor-trailer combinations, boat hitched onto a motor vehicle, etc. This does not include towed vehicles, such as a tow truck pulling a vehicle.

N	Prcnt	Code	Value and Description
292	98.0	0	No
3	1.0	1	Yes, one trailing unit
0	0.0	2	Yes, two trailing units
1	0.3	3	Yes, three or more trailing units
0	0.0	4	Yes, number of trailing units unknown
2	0.7	9	Unknown

Variable 130 VEHICLE CONFIGURATION Width: 2 Type: Numeric
 Dec: None Miss: 99

N	Prcnt	Code	Value and Description
13	4.4	0	Not Applicable, not a med/heavy truck or bus
0	0.0	1	Single Unit Truck (SUT): 2 axles, 6 tires
0	0.0	2	SUT: 3 or more axles
0	0.0	3	SUT: Unk axles and tires
0	0.0	4	Truck/Trailer(s)
0	0.0	5	Tractor Tractor (bobtail)
0	0.0	6	Tractor/Semitrailer
0	0.0	7	Tractor/Doubles (two trailers)
0	0.0	8	Tractor/Triples (three trailers)
3	1.0	19	Medium/Heavy Truck, cannot classify
14	4.7	20	Bus (seats for 9-15 people, including driver)
265	88.9	21	Bus (seats for more than 15 people, including driver)
0	0.0	70	Light Truck (displaying hazardous materials placard)
0	0.0	80	Passenger Car (when displaying hazardous materials placard)
3	1.0	99	Unknown if light or med/heavy truck or bus

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<u>Variable 131</u>	<u>NUMBER OF AXLES</u>	Width: 2	Type: Numeric
		Dec: None	Miss: 99

N	Prcnt	Code	Value and Description
14	4.7	0	Not Applicable, not a med/heavy truck or bus
148	49.7	2	2 axles
54	18.1	3	3 axles
80	26.8	98	Medium/Heavy Truck or Bus, no. of axles unk
2	0.7	99	Unknown if light or med/heavy truck or bus

<u>Variable 132</u>	<u>CARGO BODY TYPE</u>	Width: 2	Type: Numeric
		Dec: None	Miss: 99

N	Prcnt	Code	Value and Description
13	4.4	0	Not Applicable, not a med/heavy truck or bus
0	0.0	1	Van/Enclosed Box
0	0.0	2	Cargo Tank
0	0.0	3	Flatbed
0	0.0	4	Dump
0	0.0	5	Concrete Mixer
0	0.0	6	Auto Transporter
0	0.0	7	Garbage/Refuse
14	4.7	20	Bus (Seats 9-15 people inc. driver)
266	89.3	21	Bus (Seats more than 15, inc. driver)
1	0.3	97	Medium/Heavy Truck, Oth Cargo Body Type
3	1.0	98	Medium/Heavy Truck, Unk Cargo Body Type
1	0.3	99	Unknown if light or med/heavy truck or bus

<u>Variable 133</u>	<u>SPECIAL USE</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

Indicates that the vehicle was used for a function other than the primary function for which it was designed.

N	Prcnt	Code	Value and Description
274	91.9	0	No special use
0	0.0	1	Taxi
9	3.0	2	Vehicle used as school bus
13	4.4	3	Vehicle used as other bus
1	0.3	4	Military
0	0.0	5	Police
0	0.0	6	Ambulance
0	0.0	7	Firetruck
1	0.3	9	Unknown

Variable 134 EMERGENCY USE Width: 1 Type: Numeric
 Dec: None Miss: None

Refers to a vehicle traveling with physical emergency signals in use, such as red light blinking, siren sounding, etc.

N	Prcnt	Code	Value and Description
297	99.7	0	No
1	0.3	1	Yes

Variable 135 IMPACT POINT - INITIAL Width: 2 Type: Numeric
 Dec: None Miss: 99

N	Prcnt	Code	Value and Description
3	1.0	0	Noncollision
5	1.7	1	1 o'clock
4	1.3	2	2 o'clock
11	3.7	3	3 o'clock
7	2.3	4	4 o'clock
6	2.0	5	5 o'clock
30	10.1	6	6 o'clock
7	2.3	7	7 o'clock
7	2.3	8	8 o'clock
11	3.7	9	9 o'clock
2	0.7	10	10 o'clock
18	6.0	11	11 o'clock
168	56.4	12	12 o'clock
1	0.3	13	Top
10	3.4	14	Undercarriage
8	2.7	99	Unknown

Variable 136 IMPACT POINT - PRINCIPAL Width: 2 Type: Numeric
 Dec: None Miss: 99

N	Prcnt	Code	Value and Description
3	1.0	0	Noncollision
7	2.3	1	1 o'clock
3	1.0	2	2 o'clock
11	3.7	3	3 o'clock
6	2.0	4	4 o'clock
5	1.7	5	5 o'clock
29	9.7	6	6 o'clock
7	2.3	7	7 o'clock
6	2.0	8	8 o'clock
12	4.0	9	9 o'clock
3	1.0	10	10 o'clock
20	6.7	11	11 o'clock
161	54.0	12	12 o'clock
2	0.7	13	Top

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Variable 136: IMPACT POINT - PRINCIPAL (Continued)

N	Prcnt	Code	Value and Description
15	5.0	14	Undercarriage
8	2.7	99	Unknown

Variable 137	EXTENT OF DEFORMATION	Width: 1	Type: Numeric
		Dec: None	Miss: 9

N	Prcnt	Code	Value and Description
58	19.5	0	None
49	16.4	2	Other (minor)
77	25.8	4	Functional (moderate)
105	35.2	6	Disabling (severe)
9	3.0	9	Unknown

Variable 138	VEHICLE ROLE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

N	Prcnt	Code	Value and Description
3	1.0	0	Noncollision
180	60.4	1	Striking
103	34.6	2	Struck
12	4.0	3	Both
0	0.0	9	Unknown

Variable 139	MANNER OF LEAVING SCENE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

N	Prcnt	Code	Value and Description
103	34.6	1	Driven
177	59.4	2	Towed away
0	0.0	3	Abandoned/Left at Scene
18	6.0	9	Unknown

Variable 140	FIRE OCCURRENCE	Width: 1	Type: Numeric
		Dec: None	Miss: None

N	Prcnt	Code	Value and Description
294	98.7	0	No fire
4	1.3	1	Fire occurred in vehicle during accident

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Variable 142 VEHICLE MANEUVER Width: 2 Type: Numeric
 Dec: None Miss: 99

N	Prcnt	Code	Value and Description
175	58.7	1	Going straight
5	1.7	2	Slowing or stopping in traffic lane
7	2.3	3	Starting in traffic lane
29	9.7	4	Stopped in traffic lane
1	0.3	5	Passing or overtaking another vehicle
2	0.7	6	Leaving a parked position
0	0.0	7	Parked
0	0.0	8	Entering a parked position
5	1.7	9	Maneuvering to avoid an animal, pedestrian, object, another vehicle, etc.
4	1.3	10	Turning right: Right Turn On Red (RTOR) permitted
0	0.0	11	Turning right: RTOR not permitted
11	3.7	12	Turning right: RTOR not known if permitted or n/a
44	14.8	13	Turning left
1	0.3	14	Making a U-turn
1	0.3	15	Backing up (other than for parking purposes)
1	0.3	16	Changing lanes or merging
10	3.4	17	Negotiating a curve
0	0.0	98	Other
2	0.7	99	Unknown

Variable 143 CRASH AVOIDANCE MANUEVER Width: 1 Type: Numeric
 Dec: None Miss: None

N	Prcnt	Code	Value and Description
137	46.0	0	No Avoidance Maneuver Reported
16	5.4	1	Braking (skidmarks evident)
9	3.0	2	Braking (no skidmarks; driver stated)
4	1.3	3	Braking (other reported evidence)
12	4.0	4	Steering (evidence or stated)
11	3.7	5	Steer & Braking (evidence or stated)
1	0.3	6	Other Avoidance Maneuver
108	36.2	8	Not Reported (by Police)

Variable 144 MOST HARMFUL EVENT Width: 2 Type: Numeric
 Dec: None Miss: 99

MOST HARMFUL EVENT

N	Prcnt	Code	Value and Description
8	2.7	1	Overturn
1	0.3	2	Fire/explosion
0	0.0	3	Immersion
0	0.0	4	Gas inhalation
1	0.3	5	Fell from vehicle

BUSES INVOLVED IN FATAL ACCIDENTS, 2002
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Variable 144: MOST HARMFUL EVENT (Continued)

N	Prcnt	Code	Value and Description
0	0.0	6	Injured in vehicle
2	0.7	7	Other noncollision
78	26.2	8	Pedestrian
13	4.4	9	Pedalcycle
0	0.0	10	Railway train
0	0.0	11	Animal
187	62.8	12	Motor vehicle in transport
0	0.0	13	Motor vehicle in transport in other roadway
1	0.3	14	Parked motor vehicle
1	0.3	15	Other type nonmotorist
0	0.0	16	Thrown or falling object
0	0.0	17	Boulder
0	0.0	18	Other object (not fixed)
0	0.0	19	Building
0	0.0	20	Impact attenuator/crash cushion
1	0.3	21	Bridge pier or abutment
0	0.0	22	Bridge parapet end
0	0.0	23	Bridge rail
1	0.3	24	Guardrail
0	0.0	25	Concrete traffic barrier
0	0.0	26	Other longitudinal barrier type
0	0.0	27	Highway/traffic sign post
0	0.0	28	Overhead sign support
0	0.0	29	Luminaire/light support
0	0.0	30	Utility pole
0	0.0	31	Other post, pole or supports
0	0.0	32	Culvert
0	0.0	33	Curb
0	0.0	34	Ditch
0	0.0	35	Embankment - earth
0	0.0	36	Embankment - rock, stone or concrete
0	0.0	37	Embankment - material type unknown
0	0.0	38	Fence
0	0.0	39	Wall
0	0.0	40	Fire hydrant
0	0.0	41	Shrubbery
4	1.3	42	Tree
0	0.0	43	Other fixed object
0	0.0	44	Pavement surface irregularity (pothole, grooved, grates)
0	0.0	45	Transport device used as equipment
0	0.0	46	Traffic signal support
0	0.0	47	Vehicle Occupant Struck or Run Over by Own Vehicle
0	0.0	48	Collision With Snow Bank
0	0.0	49	Ridden Animal or Animal drawn conveyance
0	0.0	99	Unknown

The following list shows the code values given above grouped by collision type.

Noncollision Event
1 Overturn

Variable 144:MOST HARMFUL EVENT (Continued)

N	Prcnt	Code	Value and Description
		2	Fire/explosion
		3	Immersion
		4	Gas inhalation
		5	Fell from vehicle
		6	Injured in vehicle
		7	Other noncollision
		16	Thrown or falling object
		44	Pavement surface irregularity (pothole, grooved, grates)
		47	Vehicle Occupant Struck or Run Over by Own Vehicle
Collision With Object Not Fixed			
		8	Pedestrian
		9	Pedalcycle
		10	Railway train
		11	Animal
		12	Motor vehicle in transport
		13	Motor vehicle in transport in other roadway
		14	Parked motor vehicle
		15	Other type nonmotorist
		18	Other object (not fixed)
		45	Transport device used as equipment
		49	Ridden animal or animal-drawn conveyance
Collision With Fixed Object			
		17	Boulder
		19	Building
		20	Impact attenuator/crash cushion
		21	Bridge pier or abutment
		22	Bridge parapet end
		23	Bridge rail
		24	Guardrail
		25	Concrete traffic barrier
		26	Other longitudinal barrier type
		27	Highway/traffic sign post
		28	Overhead sign support
		29	Luminaire/light support
		30	Utility pole
		31	Other post, pole or supports
		32	Culvert
		33	Curb
		34	Ditch
		35	Embankment - earth
		36	Embankment - rock, stone or concrete
		37	Embankment - material type unknown
		38	Fence
		39	Wall
		40	Fire hydrant
		41	Shrubbery
		42	Tree
		43	Other fixed object
		46	Traffic signal support
		48	Collision With Snow Bank

BUSES INVOLVED IN FATAL ACCIDENTS, 2002
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Variable 145	NUMBER OF DEATHS IN VEH	Width: 2	Type: Numeric
		Dec: None	Miss: None

NUMBER OF DEATHS IN VEHICLE

N	Prcnt	Code	Value and Description
272	91.3	0	0 deaths
15	5.0	1	1 death
4	1.3	2	2 deaths
2	0.7	3	3 deaths
4	1.3	5	5 deaths
1	0.3	6	6 deaths

Variable 151	VIN TRUCK FUEL CODE	Width: 1	Type: Numeric
		Dec: None	Miss: 8

N	Prcnt	Code	Value and Description
0	0.0	1	(E) Electric operated
23	7.7	2	(G) Gas
100	33.6	3	(D) Diesel
1	0.3	4	(P) Propane
3	1.0	7	(*) Not available from VIN
0	0.0	8	(b) Unknown
171	57.4	9	(9) No VIN information

Variable 152	VIN TRUCK WEIGHT CODE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

N	Prcnt	Code	Value and Description
6	2.0	0	Value not returned
0	0.0	1	6,000 lbs. or less
19	6.4	2	6,001 - 10,000 lbs.
9	3.0	3	10,001 - 14,000 lbs.
8	2.7	4	14,001 - 16,000 lbs.
2	0.7	5	16,001 - 19,500 lbs.
19	6.4	6	19,501 - 26,000 lbs.
63	21.1	7	26,001 - 33,000 lbs.
1	0.3	8	33,001 lbs. or more
171	57.4	9	Value not coded

Variable 153	VIN TRUCK SERIES	Width: 3	Type: Alphabetic
		Dec: None	Miss: None

Variable 155	LENGTH OF VIN	Width: 2	Type: Numeric
		Dec: None	Miss: 99

N	Prcnt	Code	Value and Description
0	0.0	0	- Actual length
288	96.6	17	
0	0.0	99	Unknown VIN length

Variables 156 through 161 are added by UMTRI to indicate the number of persons in the vehicle with injury severities of level zero through five, respectively, for occupant variable V329 (INJURY SEVERITY).

Variable 156	NUMBER UNINJURED IN VEH	Width: 2	Type: Numeric
		Dec: None	Miss: None

NO. UNINJURED IN VEHICLE

N	Prcnt	Code	Value and Description
96	32.2	0	0 uninjured
199	66.8	1	1 uninjured
2	0.7	2	2 uninjured

Variable 157	NUMBER C-INJURED IN VEH	Width: 2	Type: Numeric
		Dec: None	Miss: None

NO. C-INJURED IN VEHICLE

N	Prcnt	Code	Value and Description
210	70.5	0	0 C-injured
44	14.8	1	1 C-injured
10	3.4	2	2 C-injured
5	1.7	3	3 C-injured
3	1.0	4	4 C-injured
5	1.7	5	5 C-injured

BUSES INVOLVED IN FATAL ACCIDENTS, 2002
FARS VEHICLE VARIABLES

Variable 158	NUMBER B-INJURED IN VEH	Width: 2	Type: Numeric
		Dec: None	Miss: None

NO. B-INJURED IN VEHICLE

N	Prcnt	Code	Value and Description
245	82.2	0	0 B-injured
24	8.1	1	1 B-injured
6	2.0	2	2 B-injured
4	1.3	3	3 B-injured
2	0.7	4	4 B-injured
1	0.3	5	5 B-injured

Variable 159	NUMBER A-INJURED IN VEH	Width: 2	Type: Numeric
		Dec: None	Miss: None

NO. A-INJURED IN VEHICLE

N	Prcnt	Code	Value and Description
268	89.9	0	0 A-injured
12	4.0	1	1 A-injured
5	1.7	2	2 A-injured
3	1.0	3	3 A-injured
2	0.7	4	4 A-injured
1	0.3	5	5 A-injured
1	0.3	8	8 A-injured
1	0.3	9	9 A-injured
1	0.3	13	13 A-injured
1	0.3	15	15 A-injured
1	0.3	17	17 A-injured
1	0.3	30	30 A-injured
1	0.3	33	33 A-injured

Variable 160	NUMBER K-INJURED IN VEH	Width: 2	Type: Numeric
		Dec: None	Miss: None

NO. K-INJURED IN VEHICLE

N	Prcnt	Code	Value and Description
272	91.3	0	0 killed
15	5.0	1	1 killed
4	1.3	2	2 killed
2	0.7	3	3 killed
4	1.3	5	5 killed
1	0.3	6	6 killed

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

NO. UNK INJURED IN VEHICLE

N	Prcnt	Code	Value and Description
296	99.3	0	0 unknown injured
1	0.3	1	1 unknown injured
1	0.3	2	2 unknown injured

Variable 162	VEH RELATED FACTORS #1	Width: 2	Type: Numeric
		Dec: None	Miss: 99

RELATED FACTORS AT VEHICLE LEVEL - RESPONSE #1

N	Prcnt	Code	Value and Description
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286	96.0	0	None
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Vehicle Condition(s) Noted:

2	0.7	1	Tires
1	0.3	2	Brake system
0	0.0	3	Steering system - tie-rod, kingpin, ball-joint, etc.
0	0.0	4	Suspension - springs, shock-absorbers, MacPherson-struts, axle bearing, control-arm, etc.
0	0.0	5	Power train - universal-joint, drive-shaft, transmission, etc.
0	0.0	6	Exhaust system
0	0.0	7	Headlights
0	0.0	8	Signal lights
0	0.0	9	Other lights
0	0.0	10	Horn
0	0.0	11	Mirrors
0	0.0	12	Wipers
0	0.0	13	Driver seating and control
0	0.0	14	Body, doors, hood, other
0	0.0	15	Trailer hitch
0	0.0	16	Wheels
0	0.0	17	Airbags
2	0.7	18	Other vehicle defects
0	0.0	19	Safety belts

Special Vehicle Flags:

2	0.7	31	Hit-and-run vehicle
0	0.0	32	Vehicle registration for handicapped
0	0.0	33	Vehicle being pushed by nonmotorist
0	0.0	34	Vehicle impact point - the result of something set-in-motion
0	0.0	35	Reconstructed vehicles
0	0.0	36	Electric/Alternative fuel vehicles
1	0.3	37	Transporting children to/from Head Start/day care
2	0.7	38	Vehicle went airborne during crash
0	0.0	39	Highway construction, maintenance, or utility vehicle in transport

BUSES INVOLVED IN FATAL ACCIDENTS, 2002
 FARS VEHICLE VARIABLES

Variable 162:VEH RELATED FACTORS #1 (Continued)

N	Prcnt	Code	Value and Description
2	0.7	99	Unknown

Variable 163	VEH RELATED FACTORS #2	Width: 2	Type: Numeric
		Dec: None	Miss: 99

RELATED FACTORS AT VEHICLE LEVEL - RESPONSE #2

N	Prcnt	Code	Value and Description
296	99.3	0	None
2	0.7	99	Unknown

Variable 164	UNDERRIDE/OVERRIDE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

N	Prcnt	Code	Value and Description
294	98.7	0	No Underride or Override
			With Motor Vehicle in Transport
1	0.3	1	Underride, Compartment Intrusion
0	0.0	2	Underride, No Compartment Intrusion
0	0.0	3	Underride, Compartment Intrusion Unknown
			With Other Vehicle
0	0.0	4	Underride, Compartment Intrusion
0	0.0	5	Underride, No Compartment Intrusion
0	0.0	6	Underride, Compartment Intrusion Unknown
2	0.7	7	Override, Motor Vehicle in Transport
0	0.0	8	Override, Other Vehicle
1	0.3	9	Unknown if Underride or Override

BUSES INVOLVED IN FATAL ACCIDENTS, 2002
 FARS VEHICLE VARIABLES

Variable 170	MOTOR CARRIER ID NUMBER	Width: 11	Type: Alphabetic
		Dec: None	Miss: None

N	Prcnt	Code	Value and Description
Issuing Authority (cols 1-2)			
14	4.7	00	Not applicable
0	0.0	01	
- FARS State Code			
0	0.0	56	
47	15.8	57	US DOT
2	0.7	58	ICC
1	0.3	59	
1	0.3	64	
92	30.9	88	None
99	33.2	99	Unknown
Identification Number (cols 3-11)			
		000000000	Not applicable
		888888888	None
		999999999	Unknown

Variable 171	BUS USE	Width: 1	Type: Numeric
		Dec: None	Miss: None

N	Prcnt	Code	Value and Description
7	2.3	0	Not used as a bus
88	29.5	1	Used as a Public school bus
5	1.7	2	Used as a Private school bus
27	9.1	3	Used as a School bus, public or private unknown
76	25.5	4	Used as a Scheduled service bus
32	10.7	5	Used as a Tour bus
22	7.4	6	Used as a Commuter bus
16	5.4	7	Used as a Shuttle bus
1	0.3	8	Modified for personal/private use
24	8.1	9	Unknown bus use

Variable 172	GROSS WEIGHT RATING-GVWR	Width: 1	Type: Numeric
		Dec: None	Miss: None

N	Prcnt	Code	Value and Description
14	4.7	0	Not applicable
11	3.7	1	10,000 lbs or less
50	16.8	2	10,001 - 26,000 lbs
181	60.7	3	26,001 lbs or more
42	14.1	9	Unknown

BUSES INVOLVED IN FATAL ACCIDENTS, 2002
FARS VEHICLE VARIABLES

The DRIVER Variables

Variables 207 through 236 describe the driver of the bus involved in the accident.

Variable 207	DRIVER PRESENCE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

N	Prcnt	Code	Value and Description
296	99.3	1	Driver operated vehicle
2	0.7	2	Driverless
0	0.0	3	Driver left scene
0	0.0	9	Unknown

Variable 208	DRIVER DRINKING	Width: 1	Type: Numeric
		Dec: None	Miss: 9

N	Prcnt	Code	Value and Description
295	99.0	0	No drinking reported
3	1.0	1	Drinking reported
0	0.0	8	Not reported
0	0.0	9	Unknown

Variable 209	LICENSE STATE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

N	Prcnt	Code	Value and Description
2	0.7	1	Alabama
0	0.0	2	Alaska
10	3.4	4	Arizona
3	1.0	5	Arkansas
36	12.1	6	California
6	2.0	8	Colorado
4	1.3	9	Connecticut
1	0.3	10	Delaware
1	0.3	11	District of Columbia
22	7.4	12	Florida
6	2.0	13	Georgia
5	1.7	15	Hawaii
2	0.7	16	Idaho
8	2.7	17	Illinois
1	0.3	18	Indiana
3	1.0	19	Iowa
2	0.7	20	Kansas
5	1.7	21	Kentucky
3	1.0	22	Louisiana
0	0.0	23	Maine

BUSES INVOLVED IN FATAL ACCIDENTS, 2002
FARS DRIVER VARIABLES

Variable 209: LICENSE STATE (Continued)

N	Prcnt	Code	Value and Description
3	1.0	24	Maryland
5	1.7	25	Massachusetts
11	3.7	26	Michigan
4	1.3	27	Minnesota
1	0.3	28	Mississippi
8	2.7	29	Missouri
1	0.3	30	Montana
1	0.3	31	Nebraska
6	2.0	32	Nevada
1	0.3	33	New Hampshire
10	3.4	34	New Jersey
4	1.3	35	New Mexico
28	9.4	36	New York
6	2.0	37	North Carolina
1	0.3	38	North Dakota
9	3.0	39	Ohio
4	1.3	40	Oklahoma
2	0.7	41	Oregon
16	5.4	42	Pennsylvania
2	0.7	44	Rhode Island
5	1.7	45	South Carolina
0	0.0	46	South Dakota
4	1.3	47	Tennessee
21	7.0	48	Texas
2	0.7	49	Utah
0	0.0	50	Vermont
6	2.0	51	Virginia
4	1.3	53	Washington
4	1.3	54	West Virginia
5	1.7	55	Wisconsin
0	0.0	56	Wyoming
1	0.3	94	Military
0	0.0	95	Canada
1	0.3	96	Mexico
0	0.0	97	Other foreign country
2	0.7	99	Unknown

Variable 210	NON-CDL LICENSE STATUS	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NON-CDL LICENSE STATUS, REGARDLESS OF VEH. DRIVEN

N	Prcnt	Code	Value and Description
			No valid license
0	0.0	0	Not licensed
1	0.3	1	Suspended
0	0.0	2	Revoked
0	0.0	3	Expired

Variable 210:NON-CDL LICENSE STATUS (Continued)

N	Prcnt	Code	Value and Description
0	0.0	4	Cancelled or denied
Valid license			
293	98.3	6	Valid
0	0.0	7	Learner's permit
0	0.0	8	Temporary
4	1.3	9	Unknown

Variable 211	LICENSE CLASS COMPLIANCE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

LICENSE COMPLIANCE (FOR THIS CLASS VEHICLE)

N	Prcnt	Code	Value and Description
0	0.0	0	Not licensed
0	0.0	1	No license required for this class vehicle
7	2.3	2	No valid license for this class vehicle
284	95.3	3	Valid license for this class vehicle
3	1.0	8	Unknown if CDL and/or CDL endorsement required for this vehicle
4	1.3	9	Unknown

Variable 212	CDL LICENSE STATUS	Width: 1	Type: Numeric
		Dec: None	Miss: 9

COMMERCIAL MOTOR VEHICLE LICENSE STATUS

N	Prcnt	Code	Value and Description
13	4.4	0	No CDL
1	0.3	1	Suspended
0	0.0	2	Revoked
0	0.0	3	Expired
0	0.0	4	Cancelled or denied
0	0.0	5	Disqualified
277	93.0	6	Valid
0	0.0	7	Learner's permit
3	1.0	8	Other - not valid
4	1.3	9	Unknown

BUSES INVOLVED IN FATAL ACCIDENTS, 2002
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<u>Variable 213</u>	<u>LICENSE ENDORSEMENTS</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

COMPLIANCE WITH LICENSE ENDORSEMENTS

N	Prcnt	Code	Value and Description
61	20.5	0	No Endorsements
191	64.1	1	Endorsement(s) complied with
1	0.3	2	Endorsement(s) not complied with
36	12.1	3	Endorsement(s), compliance unknown
9	3.0	9	Unknown

<u>Variable 214</u>	<u>LICENSE RESTRICTIONS MET</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

COMPLIANCE WITH LICENSE RESTRICTIONS

N	Prcnt	Code	Value and Description
159	53.4	0	No restrictions or not applicable
38	12.8	1	Restrictions complied with
1	0.3	2	Restrictions not complied with
96	32.2	3	Restrictions, compliance unknown
4	1.3	9	Unknown

<u>Variable 216</u>	<u>NUMBER OF PREV ACCIDENTS</u>	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NUMBER OF PREVIOUS RECORDED ACCIDENTS

N	Prcnt	Code	Value and Description
222	74.5	0	0 accidents
39	13.1	1	1 accident
16	5.4	2	2 accidents
3	1.0	3	3 accidents
14	4.7	98	Accidents not reported on driving record
4	1.3	99	Unknown

<u>Variable 217</u>	<u>NUMBER PREV SUSPENSIONS</u>	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NUMBER OF PREVIOUS SUSPENSIONS/REVOCATIONS

N	Prcnt	Code	Value and Description
286	96.0	0	0 suspensions
4	1.3	1	1 suspension
2	0.7	2	2 suspensions

Variable 217:NUMBER PREV SUSPENSIONS (Continued)

N	Prcnt	Code	Value and Description
1	0.3	4	4 suspensions
1	0.3	6	6 suspensions
4	1.3	99	Unknown

Variable 218	NUMBER OF PREV DWI CONV	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NUMBER OF PREVIOUS DWI CONVICTIONS

N	Prcnt	Code	Value and Description
294	98.7	0	0 DWI convictions
4	1.3	99	Unknown

Variable 219	NUM PREV SPEEDING CONV	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NUMBER OF PREVIOUS SPEEDING CONVICTIONS

N	Prcnt	Code	Value and Description
267	89.6	0	0 speed convictions
22	7.4	1	1 speed conviction
3	1.0	2	2 speed convictions
2	0.7	3	3 speed convictions
4	1.3	99	Unknown

Variable 220	NUM PREV OTHER MV CONV	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NO. PREVIOUS OTHER HARMFUL MOVING VIOLATIONS CONVICTIONS

N	Prcnt	Code	Value and Description
252	84.6	0	0 other convictions
34	11.4	1	1 other conviction
4	1.3	2	2 other convictions
4	1.3	3	3 other convictions
4	1.3	99	Unknown

BUSES INVOLVED IN FATAL ACCIDENTS, 2002
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<u>Variable 221</u>	<u>LAST ACCIDENT - MONTH</u>	Width: 2	Type: Numeric
		Dec: None	Miss: 99

LAST ACC./SUSPENSION/CONVICTION - MONTH

N	Prcnt	Code	Value and Description
184	61.7	0	No record
9	3.0	1	January
15	5.0	2	February
6	2.0	3	March
16	5.4	4	April
11	3.7	5	May
9	3.0	6	June
7	2.3	7	July
10	3.4	8	August
6	2.0	9	September
5	1.7	10	October
5	1.7	11	November
11	3.7	12	December
4	1.3	99	Unknown

<u>Variable 222</u>	<u>LAST ACCIDENT - YEAR</u>	Width: 4	Type: Numeric
		Dec: None	Miss: 9999

LAST ACC./SUSPENSION/CONVICTION - YEAR

N	Prcnt	Code	Value and Description
184	61.7	0	No record
17	5.7	1999	1999
26	8.7	2000	2000
41	13.8	2001	2001
26	8.7	2002	2002
4	1.3	9999	Unknown

<u>Variable 223</u>	<u>FIRST ACCIDENT - MONTH</u>	Width: 2	Type: Numeric
		Dec: None	Miss: 99

1ST ACC./SUSPENSION/CONVICTION - MONTH

N	Prcnt	Code	Value and Description
184	61.7	0	No record
8	2.7	1	January
14	4.7	2	February
7	2.3	3	March
14	4.7	4	April
12	4.0	5	May
8	2.7	6	June
8	2.7	7	July
8	2.7	8	August

Variable 223:FIRST ACCIDENT - MONTH (Continued)

N	Prcnt	Code	Value and Description
10	3.4	9	September
4	1.3	10	October
6	2.0	11	November
11	3.7	12	December
4	1.3	99	Unknown

Variable 224	FIRST ACCIDENT - YEAR	Width: 4	Type: Numeric
		Dec: None	Miss: 9999

1ST ACCIDENT/SUSPENSION/CONVICTION - YEAR

N	Prcnt	Code	Value and Description
184	61.7	0	No record
31	10.4	1999	1999
36	12.1	2000	2000
30	10.1	2001	2001
13	4.4	2002	2002
4	1.3	9999	Unknown

Variable 227	DRIVER RELATED FACTORS#1	Width: 2	Type: Numeric
		Dec: None	Miss: 99

FACTORS AT DRIVER LEVEL - RESPONSE #1

N	Prcnt	Code	Value and Description
192	64.4	0	None
Physical/Mental Condition			
4	1.3	1	Drowsy, sleepy, asleep, fatigued
0	0.0	2	Ill, passed out, blackout
0	0.0	3	Emotional (e.g., depression, angry, disturbed)
0	0.0	4	Reaction to drugs - medication
0	0.0	5	Other drugs
17	5.7	6	Inattentive (talking, eating, etc.)
0	0.0	7	Restricted to wheelchair
0	0.0	8	Paraplegic
0	0.0	9	Impaired due to previous injury
0	0.0	10	Deaf
0	0.0	11	Other physical impairment
0	0.0	12	Mother of dead fetus
0	0.0	13	Mentally challenged
0	0.0	14	Failure to take drugs/medication
Miscellaneous Causes			
6	2.0	17	Running off road
0	0.0	18	Travelling on prohibited trafficways

BUSES INVOLVED IN FATAL ACCIDENTS, 2002
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Variable 227:DRIVER RELATED FACTORS#1 (Continued)

N	Prcnt	Code	Value and Description
0	0.0	19	Legally driving on suspended or revoked license
0	0.0	20	Leaving vehicle unattended with engine running, leaving vehicle unattended in roadway
0	0.0	21	Overloading or improper loading of vehicle with passengers or cargo
0	0.0	22	Towing or pushing vehicle improperly
0	0.0	23	Failing to dim or to have lights on when required
1	0.3	24	Operating without required equipment
0	0.0	25	Creating unlawful noise or using equipment prohibited by law
2	0.7	26	Following improperly
0	0.0	27	Improper or erratic lane changing
4	1.3	28	Failure to keep in proper lane or running off road
0	0.0	29	Illegal driving on road shoulder, in ditch, on sidewalk or on median or on separator
0	0.0	30	Making improper entry to or exit from trafficway
0	0.0	31	Starting or backing improperly
0	0.0	32	Opening vehicle closure into moving traffic or while vehicle is in motion
0	0.0	33	Passing where prohibited by signs, markings, hill or curve, or school bus displaying warning not to pass
0	0.0	34	Passing on wrong side
0	0.0	35	Passing with insufficient distance or inadequate visibility, or failing to yield to overtaking vehicle
4	1.3	36	Operating the vehicle in an erratic, reckless, careless or negligent manner
0	0.0	37	High speed chase - police in pursuit
28	9.4	38	Failure to yield right-of-way
5	1.7	39	Failure to obey traffic signs, control devices or traffic officers, or failure to observe safety zone
0	0.0	40	Passing through or around barrier
0	0.0	41	Failure to observe warnings or instructions on vehicles displaying them
0	0.0	42	Failure to signal intentions
0	0.0	43	Giving wrong signal
10	3.4	44	Driving too fast for conditions or in excess of posted maximum
0	0.0	45	Driving less than posted minimum
0	0.0	46	Racing
0	0.0	47	Making right turn from left turn lane, making left turn from right turn lane
1	0.3	48	Making other improper turn
0	0.0	49	Failure to comply with physical restrictions of license
0	0.0	50	Driving wrong way on one-way trafficway
0	0.0	51	Driving on wrong side of road (intentionally or unintentionally)
0	0.0	52	Operator inexperience
0	0.0	53	Unfamiliar with roadway
5	1.7	54	Stopped or stopping in roadway (vehicle not abandoned)
0	0.0	55	Underriding a parked truck
0	0.0	56	Improper tire pressure
2	0.7	57	Locked wheel
0	0.0	58	Over correcting

Variable 227:DRIVER RELATED FACTORS#1 (Continued)

N	Prcnt	Code	Value and Description
0	0.0	59	Getting off/out of or on/in to moving vehicle
0	0.0	60	Getting off/out of or on/in to nonmoving vehicle
Vision Obscured By:			
0	0.0	61	Rain, snow, fog, smoke, sand, dust
1	0.3	62	Reflected glare, bright sunlight, headlights
1	0.3	63	Curve, hill, or other design features (including traffic signs, embankment)
1	0.3	64	Building, billboard, other structures
0	0.0	65	Trees, crops, vegetation
0	0.0	66	Motor vehicle (including load)
0	0.0	67	Parked vehicle
0	0.0	68	Splash or spray of passing vehicle
0	0.0	69	Inadequate defrost or defog system
0	0.0	70	Inadequate lighting system
1	0.3	71	Obstructing angles on vehicle
0	0.0	72	Mirrors - rear view
0	0.0	73	Mirrors - other
0	0.0	74	Head restraints
0	0.0	75	Broken or improperly cleaned windshield
0	0.0	76	Other obstruction
Avoiding, Swerving or Sliding due to:			
0	0.0	77	Severe crosswind
0	0.0	78	Wind from passing truck
0	0.0	79	Slippery or loose surface
0	0.0	80	Tire blow-out or flat
0	0.0	81	Debris or objects in road
0	0.0	82	Ruts, holes, bumps in road
0	0.0	83	Live animals in road
1	0.3	84	Vehicle in road
0	0.0	85	Phantom vehicle
0	0.0	86	Pedestrian, pedalcyclist, or other nonmotorist in road
0	0.0	87	Ice, snow, slush, water, sand, dirt, oil, wet leaves on road
0	0.0	88	Trailer fishtailing or swaying
Other Miscellaneous Factors			
0	0.0	89	Carrying hazardous cargo improperly
0	0.0	90	Hit-and-run vehicle driver
1	0.3	91	Nontraffic violation charged - manslaughter or other homicide (offense committed without malice)
3	1.0	92	Other nonmoving traffic violations
Possible distractions (inside vehicle)			
5	1.7	93	Cellular phone
0	0.0	94	Cellular phone in use in vehicle
0	0.0	95	Computer Fax Machine/Printers
0	0.0	96	On-board Navigation system
0	0.0	97	Two-way radio
0	0.0	98	Head-up display
3	1.0	99	Unknown

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Variable 228	DRIVER RELATED FACTORS#2	Width: 2	Type: Numeric
		Dec: None	Miss: 99

FACTORS AT DRIVER LEVEL - RESPONSE #2

N	Prcnt	Code	Value and Description
254	85.2	0	None
			Physical/Mental Condition
1	0.3	2	Ill, passed out, blackout
3	1.0	6	Inattentive (talking, eating, etc.)
			Miscellaneous Causes
4	1.3	17	Running off road
1	0.3	26	Following improperly
1	0.3	27	Improper or erratic lane changing
1	0.3	28	Failure to keep in proper lane or running off road
1	0.3	31	Starting or backing improperly
2	0.7	36	Operating the vehicle in an erratic, reckless, careless or negligent manner
8	2.7	38	Failure to yield right-of-way
4	1.3	39	Failure to obey traffic signs, control devices or traffic officers, or failure to observe safety zone
2	0.7	44	Driving too fast for conditions or in excess of posted maximum
2	0.7	48	Making other improper turn
			Vision Obscured By:
2	0.7	62	Reflected glare, bright sunlight, headlights
1	0.3	66	Motor vehicle (including load)
1	0.3	67	Parked vehicle
			Avoiding, Swerving or Sliding due to:
1	0.3	80	Tire blow-out or flat
1	0.3	86	Pedestrian, pedalcyclist, or other nonmotorist in road
			Other Miscellaneous Factors
1	0.3	90	Hit-and-run vehicle driver
2	0.7	91	Nontraffic violation charged - manslaughter or other homicide (offense committed without malice)
			Possible distractions (inside vehicle)
2	0.7	93	Cellular phone
3	1.0	99	Unknown

Variable 229	DRIVER RELATED FACTORS#3	Width: 2	Type: Numeric
		Dec: None	Miss: 99

FACTORS AT DRIVER LEVEL - RESPONSE #3

N	Prcnt	Code	Value and Description
289	97.0	0	None
Miscellaneous Causes			
1	0.3	17	Running off road
1	0.3	28	Failure to keep in proper lane or running off road
2	0.7	44	Driving too fast for conditions or in excess of posted maximum
Vision Obscured By:			
1	0.3	72	Mirrors - rear view
Other Miscellaneous Factors			
1	0.3	92	Other nonmoving traffic violations
3	1.0	99	Unknown

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Variable 230	<u>DRIVER RELATED FACTORS#4</u>	Width: 2	Type: Numeric
		Dec: None	Miss: 99

FACTORS AT DRIVER LEVEL - RESPONSE #4

N	Prcnt	Code	Value and Description
292	98.0	0	None
			Miscellaneous Causes
1	0.3	44	Driving too fast for conditions or in excess of posted maximum
			Avoiding, Swerving or Sliding due to:
1	0.3	85	Phantom vehicle
			Other Miscellaneous Factors
			Possible distractions (inside vehicle)
1	0.3	98	Head-up display
3	1.0	99	Unknown

Variable 231	<u>VIOLATIONS CHARGED #1</u>	Width: 2	Type: Numeric
		Dec: None	Miss: 99

N	Prcnt	Code	Value and Description
264	88.6	0	None
			RECKLESS/CARELESS/HIT-AND-RUN TYPE OFFENSES
4	1.3	1	Manslaughter or Homicide
0	0.0	2	Willful Reckless Driving; Driving to Endanger; Negligent Driving
0	0.0	3	Unsafe Reckless (Not Willful, Wanton Reckless) Driving
5	1.7	4	Inattentive, Careless, Improper Driving
0	0.0	5	Fleeing or Eluding Police
0	0.0	6	Fail to Obey Police, Fireman, Authorized Person Directing Traffic
0	0.0	7	Hit-and-Run, Fail to Stop After Accident
0	0.0	8	Fail to Give Aid, Info., Wait for Police After Accident
0	0.0	9	Serious Violation Resulting in Death
			IMPAIRMENT OFFENSES
0	0.0	11	Driving While Intoxicated (Alcohol or Drugs) or BAC Above Limit
0	0.0	12	Driving While Impaired
0	0.0	13	Driving Under Influence of Substance Not Intended to Intoxicate
0	0.0	14	Drinking While Operating
0	0.0	15	Illegal Possession of Alcohol or Drugs
0	0.0	16	Driving With Detectable Alcohol
0	0.0	18	Refusal to Submit to Chemical Test
0	0.0	19	Alcohol, Drug, or Impairment Violations Generally

Variable 231:VIOLATIONS CHARGED #1 (Continued)

N	Prcnt	Code	Value and Description
SPEED-RELATED OFFENSES			
0	0.0	21	Racing
1	0.3	22	Speeding (Above the Speed Limit)
1	0.3	23	Speed Greater than Reasonable & Prudent
0	0.0	24	Exceeding Special Speed Limit (e.g.: for Trucks, Buses, Cycles, or on Bridge, in School Zone, etc.)
0	0.0	25	Energy Speed (Exceeding 55 MPH, Non-Pointable)
0	0.0	26	Driving too Slowly
0	0.0	29	Speed Related Violations Generally
RULES OF THE ROAD - TRAFFIC SIGN & SIGNALS			
0	0.0	31	Fail to Stop for Red Signal
0	0.0	32	Fail to Stop for Flashing Red
0	0.0	33	Violation of Turn on Red (Fail to Stop & Yield, Yield to Pedestrians Before Turning)
0	0.0	34	Fail to Obey Flashing Signal (Yellow or Red)
0	0.0	35	Fail to Obey Signal Generally
0	0.0	36	Violate RR Grade Crossing Device/Regulations
0	0.0	37	Fail to Obey Stop Sign
0	0.0	38	Fail to Obey Yield Sign
0	0.0	39	Fail to Obey Traffic Control Device Generally
RULES OF THE ROAD - TURNING, YIELDING, SIGNALING			
0	0.0	41	Turn in Violation of Traffic Control (Disobey Signs, Turn Arrow or Pavement Markings; this is not a Right-on-Red Violation)
0	0.0	42	Improper Method & Position of Turn (Too Wide, Wrong Lane)
0	0.0	43	Fail to Signal for Turn or Stop
0	0.0	45	Fail to Yield to Emergency Vehicle
5	1.7	46	Fail to Yield Generally
1	0.3	48	Enter Intersection When Space Insufficient
0	0.0	49	Turn, Yield, Signaling Violations Generally
RULES OF THE ROAD -WRONG SIDE, PASSING & FOLLOWING			
0	0.0	51	Driving Wrong Way on One-Way Road
0	0.0	52	Driving on Left, Wrong Side of Road Generally
0	0.0	53	Improper, Unsafe Passing
0	0.0	54	Pass on Right (Drive off Pavement to Pass)
0	0.0	55	Pass Stopped School Bus
0	0.0	56	Fail to Give Way When Overtaken
0	0.0	58	Following too Closely
0	0.0	59	Wrong Side, Passing, Following Violations Generally
RULES OF THE ROAD - LANE USAGE			
0	0.0	61	Unsafe or Prohibited Lane Change
0	0.0	62	Improper use of Lane (Enter of 3-Lane Road, HOV Designated Lane)
0	0.0	63	Certain Traffic to use Right Lane (Trucks, Slow Moving, etc.)
0	0.0	66	Motorcycle Lane Violations (More than two per Lane, Riding Between Lanes, etc.)
0	0.0	67	Motorcyclist Attached to Another Vehicle

FARS DRIVER VARIABLES

Variable 231:VIOLATIONS CHARGED #1 (Continued)

N	Prcnt	Code	Value and Description
1	0.3	69	Lane Violations Generally
NON-MOVING - LICENSE & REGISTRATION VIOLATIONS			
0	0.0	71	Driving While License Withdrawn
2	0.7	72	Other Driver License Violations
0	0.0	73	Commercial Driver Violations
0	0.0	74	Vehicle Registration Violations
0	0.0	75	Fail to Carry Insurance Card
0	0.0	76	Driving Uninsured Vehicle
0	0.0	79	Non-Moving Violations Generally
EQUIPMENT			
0	0.0	81	Lamp Violations
0	0.0	82	Brake Violations
0	0.0	83	Failure to Require Restraint use (by Self or Passenger)
0	0.0	84	Motorcycle Equipment Violations (Helmet, Special Equipment)
0	0.0	85	Violation of Hazardous Cargo Regulations
0	0.0	86	Size, weight, Load Violations
0	0.0	89	Equipment Violations Generally
OTHER VIOLATIONS			
0	0.0	91	Parking
0	0.0	92	Theft, Unauthorized use of Motor Vehicle
0	0.0	93	Driving where Prohibited (Sidewalk, Limited Access, Off Truck Route)
0	0.0	98	Other Moving Violation
14	4.7	99	Unknown Violation

Variable 232 VIOLATIONS CHARGED #2 Width: 2 Type: Numeric
 Dec: None Miss: 99

N	Prcnt	Code	Value and Description
286	96.0	0	None
RECKLESS/CARELESS/HIT-AND-RUN TYPE OFFENSES			
1	0.3	2	Willful Reckless Driving; Driving to Endanger; Negligent Driving
SPEED-RELATED OFFENSES			
0	0.0	21	Racing
0	0.0	22	Speeding (Above the Speed Limit)
RULES OF THE ROAD - TRAFFIC SIGN & SIGNALS			
0	0.0	31	Fail to Stop for Red Signal
0	0.0	32	Fail to Stop for Flashing Red
0	0.0	33	Violation of Turn on Red (Fail to Stop & Yield, Yield to Pedestrians Before Turning)
0	0.0	34	Fail to Obey Flashing Signal (Yellow or Red)

Variable 232:VIOLATIONS CHARGED #2 (Continued)

N	Prcnt	Code	Value and Description
0	0.0	35	Fail to Obey Signal Generally
0	0.0	36	Violate RR Grade Crossing Device/Regulations
0	0.0	37	Fail to Obey Stop Sign
0	0.0	38	Fail to Obey Yield Sign
1	0.3	39	Fail to Obey Traffic Control Device Generally
RULES OF THE ROAD - TURNING, YIELDING, SIGNALING			
1	0.3	46	Fail to Yield Generally
RULES OF THE ROAD -WRONG SIDE, PASSING & FOLLOWING			
NON-MOVING - LICENSE & REGISTRATION VIOLATIONS			
0	0.0	71	Driving While License Withdrawn
9	3.0	99	Unknown Violation

Variable 233	VIOLATIONS CHARGED #3	Width: 2	Type: Numeric
		Dec: None	Miss: 99

N	Prcnt	Code	Value and Description
288	96.6	0	None
SPEED-RELATED OFFENSES			
0	0.0	21	Racing
1	0.3	22	Speeding (Above the Speed Limit)
RULES OF THE ROAD - TRAFFIC SIGN & SIGNALS			
0	0.0	39	Fail to Obey Traffic Control Device Generally
9	3.0	99	Unknown Violation

Variable 235	DRIVER HEIGHT	Width: 2	Type: Numeric
		Dec: None	Miss: 99

N	Prcnt	Code	Value and Description
6	2.0	60	
		-	Actual inches
3	1.0	76	
4	1.3	99	Unknown

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Variable 236	DRIVER WEIGHT	Width: 3	Type: Numeric
		Dec: None	Miss: 999

N	Prcnt	Code	Value and Description
1	0.3	75	
		-	Actual weight in pounds
1	0.3	378	
0	0.0	998	Other
95	31.9	999	Unknown

The OCCUPANT Variables

Variables 306 through 363 describe the occupant of the truck (i.e., the driver) and are obtained from the FARS occupant file.

Variable 306	OCCUPANT NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: 0

N	Prcnt	Code	Value and Description
2	0.7	0	None
296	99.3	1	Occupant #1

Variable 308	OCCUPANT AGE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

N	Prcnt	Code	Value and Description
1	0.3	22	22 years
1	0.3	24	24 years
4	1.3	25	25 years
1	0.3	26	26 years
4	1.3	27	27 years
3	1.0	28	28 years
4	1.3	29	29 years
4	1.3	30	30 years
8	2.7	31	31 years
2	0.7	32	32 years
7	2.3	33	33 years
9	3.0	34	34 years
4	1.3	35	35 years
7	2.3	36	36 years
8	2.7	37	37 years
11	3.7	38	38 years
9	3.0	39	39 years
7	2.3	40	40 years
7	2.3	41	41 years
6	2.0	42	42 years
13	4.4	43	43 years
10	3.4	44	44 years
10	3.4	45	45 years
10	3.4	46	46 years
6	2.0	47	47 years
12	4.0	48	48 years
6	2.0	49	49 years
10	3.4	50	50 years
11	3.7	51	51 years
12	4.0	52	52 years
4	1.3	53	53 years
5	1.7	54	54 years
9	3.0	55	55 years
4	1.3	56	56 years

BUSES INVOLVED IN FATAL ACCIDENTS, 2002
FARS OCCUPANT VARIABLES

Variable 308:OCCUPANT AGE (Continued)

N	Prcnt	Code	Value and Description
11	3.7	57	57 years
2	0.7	58	58 years
9	3.0	59	59 years
8	2.7	60	60 years
2	0.7	61	61 years
8	2.7	62	62 years
2	0.7	63	63 years
5	1.7	64	64 years
5	1.7	66	66 years
2	0.7	67	67 years
3	1.0	68	68 years
3	1.0	69	69 years
1	0.3	71	71 years
1	0.3	74	74 years
1	0.3	77	77 years
1	0.3	78	78 years
3	1.0	79	79 years
2	0.7	99	Unknown

Variable 309	OCCUPANT SEX	Width: 1	Type: Numeric
		Dec: None	Miss: 9

N	Prcnt	Code	Value and Description
200	67.1	1	Male
96	32.2	2	Female
2	0.7	9	Unknown

Variable 310	OCCUPANT TYPE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

N	Prcnt	Code	Value and Description
296	99.3	1	Driver of a motor vehicle in transport
0	0.0	9	Unknown occupant type in a motor vehicle in transport
2	0.7	99	Unknown occupant type

Variable 311	OCC SEATING POSITION	Width: 2	Type: Numeric
		Dec: None	Miss: 99

N	Prcnt	Code	Value and Description
296	99.3	11	Front seat - left side (driver's side)
2	0.7	99	Unknown

Variable 312	RESTRAINT SYSTEM USE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

RESTRAINT SYSTEM USE

N	Prcnt	Code	Value and Description
31	10.4	0	None used (vehicle occupant) or not applicable (nonmotorist)
2	0.7	1	Shoulder belt
64	21.5	2	Lap belt
149	50.0	3	Lap and shoulder belt
14	4.7	8	Restraint used - type unknown or other
1	0.3	13	Safety belt used improperly
37	12.4	99	Unknown

Variable 313	AIR BAG AVAIL/DEPLOY	Width: 2	Type: Numeric
		Dec: None	Miss: 99

AIRBAG AVAILABILITY - DEPLOYMENT

N	Prcnt	Code	Value and Description
0	0.0	0	Nonmotorist
Deployed (For This Seat)			
9	3.0	1	From the FRONT
0	0.0	2	From the SIDE
0	0.0	7	From OTHER direction
0	0.0	8	From MULTIPLE direction
2	0.7	9	From UNKNOWN direction
Not Deployed (for this seat)			
3	1.0	20	Airbag available - NO DEPLOYMENT
0	0.0	28	Airbag available - SWITCHED OFF
Unknown if Deployed			
3	1.0	29	Airbag available - UNKNOWN IF DEPLOYED
Not Available			
280	94.0	30	Not available (this seat)
0	0.0	31	PREVIOUSLY DEPLOYED/NOT REPLACED
0	0.0	32	DISABLED/REMOVED
1	0.3	99	Unknown if airbag available (for this seat)

Variable 314	OCCUPANT EJECTION	Width: 1	Type: Numeric
		Dec: None	Miss: 9

N	Prcnt	Code	Value and Description
291	97.7	0	Not ejected - not applicable
3	1.0	1	Totally ejected

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Variable 314: OCCUPANT EJECTION (Continued)

N	Prcnt	Code	Value and Description
1	0.3	2	Partially ejected
3	1.0	9	Unknown

Variable 315	<u>EJECTION PATH</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

N	Prcnt	Code	Value and Description
291	97.7	0	Not Ejected: N/A
1	0.3	1	Side door opening
0	0.0	2	Side window
1	0.3	3	Windshield
0	0.0	4	Back window
0	0.0	5	Back door/tailgate opening
0	0.0	6	Roof opening (sunroof, convertible top down)
0	0.0	7	Roof (convertible top up)
0	0.0	8	Other path (e.g., back of pick-up truck)
5	1.7	9	Unknown/unknown path

Variable 316	<u>OCCUPANT EXTRICATION</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

N	Prcnt	Code	Value and Description
290	97.3	0	Not extricated - not applicable
4	1.3	1	Extricated
4	1.3	9	Unknown

Variable 321	<u>DRUG INVOLVEMENT</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

POLICE REPORTED OTHER DRUG INVOLVEMENT

N	Prcnt	Code	Value and Description
112	37.6	0	No (other drugs not involved)
3	1.0	1	Yes (other drugs involved)
167	56.0	8	Not Reported
16	5.4	9	Unknown (police reported as unknown)

BUSES INVOLVED IN FATAL ACCIDENTS, 2002
 FARS OCCUPANT VARIABLES

Variable 322	DRUG DETERMINATION	Width: 1	Type: Numeric
		Dec: None	Miss: 8

METHOD OTHER DRUG DETERMINATION (POLICE)

N	Prcnt	Code	Value and Description
11	3.7	1	Evidential Test (blood, urine)
0	0.0	2	Drug Recognition Technician (DRT) determined
4	1.3	3	Behavioral
12	4.0	7	Other
271	90.9	8	Not Reported

Variable 323	DRUG TEST TYPE #1	Width: 1	Type: Numeric
		Dec: None	Miss: 9

N	Prcnt	Code	Value and Description
190	63.8	0	Not Tested For Drugs
30	10.1	1	Blood Test
10	3.4	2	Urine Test
4	1.3	3	Both: Blood and Urine
2	0.7	7	Unknown Test Type
0	0.0	8	Other Type Test
62	20.8	9	Unknown if Tested for Drugs

Variable 324	DRUG TEST RESULTS #1	Width: 3	Type: Numeric
		Dec: None	Miss: 999

N	Prcnt	Code	Value and Description
190	63.8	0	Not Tested For Drugs
32	10.7	1	No Drugs Reported
0	0.0	100	- Narcotic Drug
0	0.0	295	
0	0.0	300	- Depressant Drug
0	0.0	395	
0	0.0	400	- Stimulant Drug
0	0.0	495	
0	0.0	500	- Hallucinogen Drug
0	0.0	595	
0	0.0	600	- Cannabinoid Drug

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 FARS OCCUPANT VARIABLES

Variable 324:DRUG TEST RESULTS #1 (Continued)

N	Prcnt	Code	Value and Description
0	0.0	695	
0	0.0	700	
0	0.0	795	- Phencyclidine (PCP)
0	0.0	800	
0	0.0	895	- Anabolic Steroid
0	0.0	900	
0	0.0	995	- Inhalant Drug
1	0.3	996	Other Drug
9	3.0	997	Tested For Drugs, Results Unknown
0	0.0	998	Tested For Drugs, Drugs Found, Type Unknown
62	20.8	999	Unknown if Tested for Drugs

Variable 325 DRUG TEST TYPE #2 Width: 1 Type: Numeric
 Dec: None Miss: 9

N	Prcnt	Code	Value and Description
259	86.9	0	Not Tested For Drugs
5	1.7	1	Blood Test
2	0.7	2	Urine Test
0	0.0	3	Both: Blood and Urine
0	0.0	7	Unknown Test Type
0	0.0	8	Other Type Test
32	10.7	9	Unknown if Tested for Drugs

Variable 326 DRUG TEST RESULTS #2 Width: 3 Type: Numeric
 Dec: None Miss: 999

N	Prcnt	Code	Value and Description
259	86.9	0	Not Tested For Drugs
4	1.3	1	No Drugs Reported
0	0.0	100	
0	0.0	295	- Narcotic Drug
0	0.0	300	
0	0.0	395	- Depressant Drug

Variable 326:DRUG TEST RESULTS #2 (Continued)

N	Prcnt	Code	Value and Description
0	0.0	400	
		-	Stimulant Drug
0	0.0	495	
0	0.0	500	
		-	Hallucinogen Drug
0	0.0	595	
0	0.0	600	
		-	Cannabinoid Drug
0	0.0	695	
0	0.0	700	
		-	Phencylidine (PCP)
0	0.0	795	
0	0.0	800	
		-	Anabolic Steroid
0	0.0	895	
0	0.0	900	
		-	Inhalant Drug
0	0.0	995	
1	0.3	996	Other Drug
0	0.0	997	Tested For Drugs, Results Unknown
0	0.0	998	Tested For Drugs, Drugs Found, Type Unknown
32	10.7	999	Unknown if Tested for Drugs

Variable 327	DRUG TEST TYPE #3	Width: 1	Type: Numeric
		Dec: None	Miss: 9

N	Prcnt	Code	Value and Description
260	87.2	0	Not Tested For Drugs
5	1.7	1	Blood Test
1	0.3	2	Urine Test
0	0.0	3	Both: Blood and Urine
0	0.0	7	Unknown Test Type
0	0.0	8	Other Type Test
32	10.7	9	Unknown if Tested for Drugs

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Variable 328	DRUG TEST RESULTS #3	Width: 3	Type: Numeric
		Dec: None	Miss: 999

N	Prcnt	Code	Value and Description
260	87.2	0	Not Tested For Drugs
4	1.3	1	No Drugs Reported
0	0.0	100	- Narcotic Drug
0	0.0	295	
0	0.0	300	- Depressant Drug
0	0.0	395	
0	0.0	400	- Stimulant Drug
0	0.0	495	
0	0.0	500	- Hallucinogen Drug
0	0.0	595	
0	0.0	600	- Cannabinoid Drug
0	0.0	695	
0	0.0	700	- Phencyclidine (PCP)
0	0.0	795	
0	0.0	800	- Anabolic Steroid
0	0.0	895	
0	0.0	900	- Inhalant Drug
0	0.0	995	
0	0.0	996	Other Drug
0	0.0	997	Tested For Drugs, Results Unknown
0	0.0	998	Tested For Drugs, Drugs Found, Type Unknown
32	10.7	999	Unknown if Tested for Drugs

Variable 329	OCCUPANT INJURY SEVERITY	Width: 1	Type: Numeric
		Dec: None	Miss: 9

N	Prcnt	Code	Value and Description
202	67.8	0	O - no injury
41	13.8	1	C - possible injury
27	9.1	2	B - nonincapacitating evident injury
14	4.7	3	A - incapacitating injury

Variable 329:OCCUPANT INJURY SEVERITY (Continued)

N	Prcnt	Code	Value and Description
11	3.7	4	K - fatal injury
0	0.0	5	Injured, severity unknown
0	0.0	6	Died prior to accident
3	1.0	9	Unknown

Variable 330	OCC TAKEN TO HOSPITAL	Width: 1	Type: Numeric
		Dec: None	Miss: 9

TAKEN TO HOSPITAL OR TREATMENT FACILITY

N	Prcnt	Code	Value and Description
225	75.5	0	No
67	22.5	1	Yes
0	0.0	7	Died at the scene
0	0.0	8	Died En Route
6	2.0	9	Unknown

Variable 331	OCC DEATH DATE - MONTH	Width: 2	Type: Numeric
		Dec: None	Miss: 99

N	Prcnt	Code	Value and Description
285	95.6	0	Not applicable
0	0.0	1	January
0	0.0	2	February
2	0.7	3	March
0	0.0	4	April
1	0.3	5	May
2	0.7	6	June
1	0.3	7	July
0	0.0	8	August
1	0.3	9	September
3	1.0	10	October
0	0.0	11	November
1	0.3	12	December
2	0.7	99	Unknown

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Variable 332	OCC DEATH DATE - DAY	Width: 2	Type: Numeric
		Dec: None	Miss: 99

N	Prcnt	Code	Value and Description
285	95.6	0	Not applicable
0	0.0	1	
		-	Day of month
0	0.0	31	
2	0.7	99	Unknown

Variable 333	OCC DEATH DATE - YEAR	Width: 4	Type: Numeric
		Dec: None	Miss: 9999

N	Prcnt	Code	Value and Description
285	95.6	0	Not applicable
11	3.7	2002	
2	0.7	9999	Unknown

Variable 334	OCC DEATH TIME - HOURS	Width: 2	Type: Numeric
		Dec: None	Miss: 99

N	Prcnt	Code	Value and Description
286	96.0	0	12:01 am - 12:59 am
1	0.3	4	4:00 am - 4:59 am
1	0.3	5	5:00 am - 5:59 am
2	0.7	6	6:00 am - 6:59 am
2	0.7	10	10:00 am - 10:59 am
1	0.3	13	1:00 pm - 1:59 pm
1	0.3	16	4:00 pm - 4:59 pm
1	0.3	18	6:00 pm - 6:59 pm
1	0.3	23	11:00 pm - 11:59 pm
2	0.7	99	Unknown

Variable 335	OCC DEATH TIME - MINUTES	Width: 2	Type: Numeric
		Dec: None	Miss: 99

N	Prcnt	Code	Value and Description
285	95.6	0	
		-	Minute
0	0.0	59	
2	0.7	99	Unknown

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Variable 336 LAG TIME ACC/DEATH - HRS Width: 3 Type: Numeric
 Dec: None Miss: 999

N	Prcnt	Code	Value and Description
6	2.0	0	- Actual time in hours
1	0.3	2	
287	96.3	999	Unknown

Variable 342 OCC FATAL INJURY AT WORK Width: 1 Type: Numeric
 Dec: None Miss: 9

N	Prcnt	Code	Value and Description
0	0.0	0	No
5	1.7	1	Yes
285	95.6	8	Not Applicable (not a fatality)
8	2.7	9	Unknown

Variable 345 OCC ALCOHOL INVOLVEMENT Width: 1 Type: Numeric
 Dec: None Miss: 9

N	Prcnt	Code	Value and Description
208	69.8	0	No (alcohol not involved)
0	0.0	1	Yes (alcohol involved)
66	22.1	8	Not reported
24	8.1	9	Unknown (police reported)

Variable 346 OCC METH ALC DETERMINAT Width: 1 Type: Numeric
 Dec: None Miss: 9

METHOD OF ALCOHOL DETERMINATION (POLICE)

N	Prcnt	Code	Value and Description
18	6.0	1	Evidential test (breath, blood, urine)
10	3.4	2	Preliminary Breath Test (PBT)
2	0.7	3	Behavioral
0	0.0	4	Passive Alcohol Sensor (PAS)
30	10.1	5	Observed
2	0.7	8	Other (e.g., saliva test)
236	79.2	9	Not reported

BUSES INVOLVED IN FATAL ACCIDENTS, 2002
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Variable 347	ALCOHOL TEST TYPE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

N	Prcnt	Code	Value and Description
168	56.4	0	Not tested for Alcohol
60	20.1	1	Whole Blood
9	3.0	2	Breath "BAC"
5	1.7	3	Urine
0	0.0	4	Vitreous
0	0.0	5	Blood Plasma/Serum
0	0.0	6	Blood Clot
0	0.0	7	Liver
0	0.0	8	Other Test Type
56	18.8	9	Unknown

Variable 348	OCC ALCOHOL TEST RESULT	Width: 2	Type: Numeric
		Dec: 2	Miss: 0.99

N	Prcnt	Code	Value and Description
64	21.5	0.00	BAC result < 0.01% - Result value (grams/100 ml) %
1	0.3	0.04	
1	0.3	0.95	Test refused
167	56.0	0.96	None given
15	5.0	0.97	AC test performed, results unknown
48	16.1	0.99	Unknown

Variable 361	RACE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

N	Prcnt	Code	Value and Description
287	96.3	0	Not applicable
3	1.0	1	White
2	0.7	2	Black
0	0.0	3	American Indian
			Asian or Pacific Islander
0	0.0	4	Chinese
0	0.0	5	Japanese
0	0.0	6	Hawaiian
0	0.0	7	Filipino
0	0.0	18	Asian Indian
0	0.0	28	Korean
0	0.0	38	Samoaan
0	0.0	48	Vietnamese
0	0.0	58	Guamanian
0	0.0	68	Other Asian

Variable 361:RACE (Continued)

N	Prcnt	Code	Value and Description
0	0.0	78	Asian\Pacific Islander
0	0.0	98	All other races
6	2.0	99	Unknown

Variable 362	HISPANIC ORIGIN	Width: 2	Type: Numeric
		Dec: None	Miss: 99

N	Prcnt	Code	Value and Description
287	96.3	0	Not applicable
0	0.0	1	Mexican
0	0.0	2	Puerto Rican
0	0.0	3	Cuban
0	0.0	4	Central or South American
0	0.0	5	Other Hispanic
0	0.0	6	Hispanic - not specified
5	1.7	7	Non-Hispanic
6	2.0	99	Unknown

Variable 363	OCC DEAD ON ARRIVAL	Width: 1	Type: Numeric
		Dec: None	Miss: 9

N	Prcnt	Code	Value and Description
287	96.3	0	Not applicable
8	2.7	7	Died at scene
0	0.0	8	Died En route
3	1.0	9	Unknown

BUSES INVOLVED IN FATAL ACCIDENTS, 2002
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The SURVEY Variables

Information in variables 1110 through 1870 was collected by the BIFA interview.

Variable 1110	BUS MAKE	Width: 3	Type: Numeric
		Dec: None	Miss: 999

N	Prcnt	Code	Value and Description
0	0.0	1	AM General
4	1.3	7	Dodge
33	11.1	12	Ford
11	3.7	20	Chevrolet
10	3.4	23	GMC
0	0.0	25	Grumman
0	0.0	51	Volvo
65	21.8	84	International Harvester
14	4.7	90	Blue Bird
0	0.0	91	Eagle Coach
20	6.7	92	Gillig
29	9.7	93	MCI
10	3.4	94	Thomas Built
11	3.7	111	Flxible
6	2.0	112	Neoplan
10	3.4	113	New Flyer
0	0.0	114	Ontario
12	4.0	115	TMC
6	2.0	116	Orion
4	1.3	117	Prevost
5	1.7	118	Van Hool
45	15.1	998	Other
3	1.0	999	Unknown

Variable 1120	FINAL MANUFACTURER	Width: 30	Type: Alphabetic
		Dec: None	Miss: None

MANUFACTURER

N	Prcnt	Code	Value and Description
14	4.7		Amtram
15	5.0		Blue Bird
2	0.7		Carpenter
1	0.3		Collins
1	0.3		Corbeil
4	1.3		Eldorado National
1	0.3		Goshen
20	6.7		Thomas Built
3	1.0		Ward
1	0.3		Wayne
236	79.2		Not Applicable/Unknown

BUSES INVOLVED IN FATAL ACCIDENTS, 2002
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Variable 1130	MODEL YEAR	Width: 4	Type: Numeric
		Dec: None	Miss: 9999

N	Prcnt	Code	Value and Description
2	0.7	1976	1976
3	1.0	1980	1980
4	1.3	1981	1981
4	1.3	1982	1982
1	0.3	1983	1983
2	0.7	1984	1984
7	2.3	1985	1985
7	2.3	1986	1986
5	1.7	1987	1987
4	1.3	1988	1988
11	3.7	1989	1989
11	3.7	1990	1990
9	3.0	1991	1991
9	3.0	1992	1992
11	3.7	1993	1993
12	4.0	1994	1994
19	6.4	1995	1995
25	8.4	1996	1996
24	8.1	1997	1997
23	7.7	1998	1998
36	12.1	1999	1999
30	10.1	2000	2000
27	9.1	2001	2001
10	3.4	2002	2002
2	0.7	9999	Unknown

Variable 1140	FRONT OF BUS	Width: 1	Type: Numeric
		Dec: None	Miss: 8

N	Prcnt	Code	Value and Description
118	39.6	1	Conventional Hood
177	59.4	2	Flat Front
3	1.0	8	Unknown

Variable 1150	ENGINE LOCATION	Width: 1	Type: Numeric
		Dec: None	Miss: 9

N	Prcnt	Code	Value and Description
154	51.7	1	Rear
141	47.3	2	Front
0	0.0	8	Other
3	1.0	9	Unknown

BUSES INVOLVED IN FATAL ACCIDENTS, 2002
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Variable 1160 FUEL TYPE Width: 1 Type: Numeric
Dec: None Miss: 9

N	Prcnt	Code	Value and Description
25	8.4	1	Gasoline
243	81.5	2	Diesel
16	5.4	6	CNG
0	0.0	7	LPG
4	1.3	8	Other
10	3.4	9	Unknown

Variable 1170 BUS MODEL Width: 10 Type: Alphabetic
Dec: None Miss: None

BUS MODEL NAME OR NUMBER

N	Prcnt	Code	Value and Description
1	0.3	102A3	
			- Model name or number
6	2.0	V	
54	18.1		Unknown

Variable 1180 BUS TYPE Width: 2 Type: Numeric
Dec: None Miss: 99

N	Prcnt	Code	Value and Description
12	4.0	1	Type A School Bus
0	0.0	2	Type B School Bus
63	21.1	3	Type C School Bus
27	9.1	4	Type D School Bus
93	31.2	5	Flat Front (like transit or shuttle)
8	2.7	6	Big Cowl & Chassis
46	15.4	7	High Platform
11	3.7	8	Small Cowl & Chassis
17	5.7	98	Other
21	7.0	99	Unknown

BUSES INVOLVED IN FATAL ACCIDENTS, 2002
SURVEY VARIABLES

Variable 1190	DESCRIPTION OF BUS	Width: 50	Type: Alphabetic
		Dec: None	Miss: None

BODY STYLE

N	Prcnt	Code Value and Description
1	0.3	Alternative Fuel Full-Size School Bus
15	5.0	Alternative Fuel Heavy-Duty Transit Bus
2	0.7	Articulated Heavy-Duty Transit Bus
1	0.3	Electric Trolley Bus
1	0.3	Full-size Conventional-hood bus
60	20.1	Full-Size School Bus
2	0.7	Full-Size Shuttle Bus
1	0.3	Full-Size Transit Bus
53	17.8	Heavy-Duty Transit Bus
2	0.7	Heavy-Duty Transit Bus With Wheelchair Lift
1	0.3	Inmate Security Bus
10	3.4	Large Passenger Van
2	0.7	Large Passenger Van With Wheelchair Lift
44	14.8	Long-Distance Coach
2	0.7	Long-Distance Coach With Wheelchair Lift
1	0.3	Medium-Duty Shuttle Bus on Truck-Based Chassis
2	0.7	Mid-size Conventional Hood Bus
18	6.0	Mid-Size School Bus
1	0.3	Paratransit Shuttle Bus
1	0.3	Retired Full-Size School Bus With Trailer
1	0.3	Retired Mid-Size School Bus
1	0.3	Retired School Bus Converted to Security Bus With Trailer
1	0.3	Retired Small School Bus
1	0.3	Retired Transit Bus Converted For Band Use
1	0.3	School Bus
10	3.4	Shorter Transit Bus
1	0.3	Small Limosine Bus
10	3.4	Small School Bus
1	0.3	Small Shuttle Bus
4	1.3	Small Shuttle Bus on Van-Based Chassis
4	1.3	Small Shuttle Bus With Wheelchair Lift
4	1.3	Special Needs Full-size School Bus
5	1.7	Special Needs Mid-size School Bus
1	0.3	Special Needs School Bus
2	0.7	Special Needs Small School Bus
1	0.3	Transit Bus
5	1.7	Trolley Replica Bus
25	8.4	Unknown

Variable 1200	NUMBER OF AXLES	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NUMBER OF AXLES

N	Prcnt	Code Value and Description
242	81.2	2 2 axles
48	16.1	3 3 axles
8	2.7	9 Unknown

Variable 1220:PASS SEATING CAPACITY (Continued)

N	Prcnt	Code	Value and Description
5	1.7	55	55 Seats
6	2.0	57	57 Seats
1	0.3	58	58 Seats
3	1.0	60	60 Seats
1	0.3	63	63 Seats
2	0.7	64	64 Seats
21	7.0	65	65 Seats
6	2.0	66	66 Seats
1	0.3	67	67 Seats
12	4.0	71	71 Seats
12	4.0	72	72 Seats
5	1.7	77	77 Seats
5	1.7	78	78 Seats
1	0.3	83	83 Seats
6	2.0	84	84 Seats
17	5.7	996	15 or more Seats
30	10.1	999	Unknown

Variable 1230 NUMBER OF PASSENGERS

Width: 3

Type: Numeric

Dec: None

Miss: 999

N	Prcnt	Code	Value and Description
63	21.1	0	0 Passengers
9	3.0	1	1 Passenger
6	2.0	2	2 Passengers
9	3.0	3	3 Passengers
5	1.7	4	4 Passengers
10	3.4	5	5 Passengers
5	1.7	6	6 Passengers
3	1.0	7	7 Passengers
3	1.0	8	8 Passengers
5	1.7	9	9 Passengers
7	2.3	10	10 Passengers
4	1.3	11	11 Passengers
3	1.0	12	12 Passengers
3	1.0	13	13 Passengers
1	0.3	14	14 Passengers
2	0.7	15	15 Passengers
4	1.3	16	16 Passengers
2	0.7	17	17 Passengers
4	1.3	18	18 Passengers
2	0.7	19	19 Passengers
8	2.7	20	20 Passengers
2	0.7	21	21 Passengers
2	0.7	22	22 Passengers
4	1.3	23	23 Passengers
1	0.3	24	24 Passengers
4	1.3	25	25 Passengers
4	1.3	26	26 Passengers

Variable 1230:NUMBER OF PASSENGERS (Continued)

N	Prcnt	Code	Value and Description
1	0.3	27	27 Passengers
1	0.3	29	29 Passengers
7	2.3	30	30 Passengers
1	0.3	31	31 Passengers
2	0.7	32	32 Passengers
3	1.0	33	33 Passengers
1	0.3	34	34 Passengers
1	0.3	35	35 Passengers
1	0.3	36	36 Passengers
2	0.7	37	37 Passengers
1	0.3	38	38 Passengers
3	1.0	40	40 Passengers
1	0.3	42	42 Passengers
1	0.3	43	43 Passengers
2	0.7	44	44 Passengers
2	0.7	45	45 Passengers
5	1.7	47	47 Passengers
1	0.3	49	49 Passengers
1	0.3	50	50 Passengers
1	0.3	51	51 Passengers
1	0.3	52	52 Passengers
1	0.3	54	54 Passengers
1	0.3	55	55 Passengers
2	0.7	996	15 or more Passengers
80	26.8	999	Unknown

Variable 1240 GROSS VEH WEIGHT RATING Width: 1 Type: Numeric
 Dec: None Miss: 9

N	Prcnt	Code	Value and Description
20	6.7	2	6,001 - 10,000 lbs.
9	3.0	3	10,001 - 14,000 lbs.
8	2.7	4	14,001 - 16,000 lbs.
0	0.0	5	16,001 - 19,500 lbs.
20	6.7	6	19,501 - 26,000 lbs.
64	21.5	7	26,001 - 33,000 lbs.
124	41.6	8	33,001 lbs. or more
53	17.8	9	Unknown

Variable 1250 EMPTY WEIGHT Width: 6 Type: Numeric
 Dec: None Miss: 999999

N	Prcnt	Code	Value and Description
3	1.0	5000	
			- Weight in pounds
1	0.3	42200	

Variable 1270:WIDTH (Continued)

N	Prcnt	Code	Value and Description
23	7.7	999	Unknown

Variable 1280	<u>GEN PASSENGER RESTRAINT</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

N	Prcnt	Code	Value and Description
215	72.1	1	None
30	10.1	2	Lap Belts
6	2.0	3	Lap and Shoulder
1	0.3	7	Lap Belts, front pass only
2	0.7	8	Other
44	14.8	9	Unknown

Variable 1290	<u>SPECIAL NEEDS RESTRAINT</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

N	Prcnt	Code	Value and Description
143	48.0	1	None
20	6.7	2	Wheelchair Securement
10	3.4	3	Belts
81	27.2	4	Wheelchair securement and Belts
0	0.0	8	Other
44	14.8	9	Unknown

Variable 1310	<u>DESCRIPTION OF OPER AUTH</u>	Width: 50	Type: Alphabetic
		Dec: None	Miss: None

OPERATING AUTHORITY

N	Prcnt	Code	Value and Description
1	0.3		Adult Day care Facility
1	0.3		Casino Shuttle Service
1	0.3		Charter and Sightseeing Tour Service
27	9.1		Charter service
4	1.3		Church Use
1	0.3		Community Youth Organization
35	11.7		Contracted Carrier for School District
3	1.0		Contracted Carrier for Transit Authority

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Variable 1370	OPERATING AUTHORITY	Width: 1	Type: Numeric
		Dec: None	Miss: 9

N	Prcnt	Code	Value and Description
19	6.4	1	Private
80	26.8	2	For hire
165	55.4	3	Government owned
34	11.4	9	Unknown

Variable 1380	TRIP TYPE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

N	Prcnt	Code	Value and Description
219	73.5	1	Local delivery
5	1.7	2	51 to 100 miles
9	3.0	3	101 to 200 miles
13	4.4	4	201 to 500 miles
2	0.7	5	Over 500 miles
1	0.3	6	Unknown over-the-road trip distance
49	16.4	9	Unknown

Variable 1410	ROLLOVER	Width: 1	Type: Numeric
		Dec: None	Miss: 9

N	Prcnt	Code	Value and Description
13	4.4	1	Yes
252	84.6	2	No
33	11.1	9	Unknown

Variable 1420	DIRECTION OF ROLL	Width: 1	Type: Numeric
		Dec: None	Miss: 9

N	Prcnt	Code	Value and Description
6	2.0	1	Left
7	2.3	2	Right
252	84.6	3	Not applicable
0	0.0	8	Other
33	11.1	9	Unknown

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Variable 1430 NUMBER OF QUARTER TURNS Width: 2 Type: Numeric
Dec: None Miss: 99

N	Prcnt	Code	Value and Description
10	3.4	1	1 quarter turn
1	0.3	2	2 quarter turns
1	0.3	8	8 quarter turns
252	84.6	98	Not applicable
34	11.4	99	Unknown

Variable 1510 HOURS DRIVING Width: 2 Type: Numeric
Dec: None Miss: 99

N	Prcnt	Code	Value and Description
51	17.1	1	1 hour
43	14.4	2	2 hours
28	9.4	3	3 hours
22	7.4	4	4 hours
12	4.0	5	5 hours
15	5.0	6	6 hours
6	2.0	7	7 hours
8	2.7	8	8 hours
3	1.0	9	9 hours
1	0.3	10	10 hours
2	0.7	12	12 hours
4	1.3	96	Unknown but legal
103	34.6	99	Unknown

Variable 1520 COMPENSATION-HOURLY Width: 1 Type: Numeric
Dec: None Miss: 9

N	Prcnt	Code	Value and Description
184	61.7	1	Yes
56	18.8	2	No
58	19.5	9	Unknown

Variable 1530 COMPENSATION-MILEAGE Width: 1 Type: Numeric
Dec: None Miss: 9

N	Prcnt	Code	Value and Description
6	2.0	1	Yes
234	78.5	2	No
58	19.5	9	Unknown

BUSES INVOLVED IN FATAL ACCIDENTS, 2002
SURVEY VARIABLES

<u>Variable 1540</u>	<u>COMPENSATION-TIPS</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

N	Prcnt	Code	Value and Description
2	0.7	1	Yes
238	79.9	2	No
58	19.5	9	Unknown

<u>Variable 1550</u>	<u>COMPENSATION-% REVENUE</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

N	Prcnt	Code	Value and Description
2	0.7	1	Yes
238	79.9	2	No
58	19.5	9	Unknown

<u>Variable 1560</u>	<u>COMPENSATION-SALARY</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

N	Prcnt	Code	Value and Description
17	5.7	1	Yes
223	74.8	2	No
58	19.5	9	Unknown

<u>Variable 1570</u>	<u>COMPENSATION-DRIVER OWN</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

N	Prcnt	Code	Value and Description
8	2.7	1	Yes
232	77.9	2	No
58	19.5	9	Unknown

<u>Variable 1580</u>	<u>COMPENSATION-DRIVER VOL</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

N	Prcnt	Code	Value and Description
3	1.0	1	Yes
237	79.5	2	No
58	19.5	9	Unknown

Variable 1590 COMPENSATION—NOT A DRVR Width: 1 Type: Numeric
 Dec: None Miss: 9

N	Prcnt	Code	Value and Description
9	3.0	1	Yes
231	77.5	2	No
58	19.5	9	Unknown

Variable 1600 COMPENSATION—OTHER Width: 1 Type: Numeric
 Dec: None Miss: 9

N	Prcnt	Code	Value and Description
18	6.0	1	Yes
222	74.5	2	No
58	19.5	9	Unknown

Variable 1610 DESCRIBE COMPENSATION Width: 50 Type: Alphabetic
 Dec: None Miss: None

N	Prcnt	Code	Value and Description
2	0.7		Church Volunteer
1	0.3		Driver is also Field Foreman for Harvesting Company
1	0.3		Driver is Athletic Coach for School
1	0.3		Driver is Athletic Coach for School District
1	0.3		Driver is Careworker for Organization
1	0.3		Driver is Counselor at Day Camp of Organization
1	0.3		Driver is Crew Foreman for Farm Workers
1	0.3		Driver is Criminal Transportation Officer
1	0.3		Driver is Owner/Operator of Shuttle Bus Business
1	0.3		Driver on Test Run of Recently Refurbished Bus
1	0.3		Driver Paid Greater of Hourly or Mileage
1	0.3		Driver Received Gas Money From Passengers
1	0.3		Driver was Taking Driving Test
1	0.3		Driver/Owner is also Band Leader
1	0.3		Greater of Mileage or Total Hours on Duty
8	2.7		Paid by Day
4	1.3		Paid by Route
3	1.0		Paid by Trip
1	0.3		Paid by Trip Plus Tips
1	0.3		Regular Bus Driver Volunteered to Drive this Trip
265	88.9		Unknown

Variable 1710 ACCIDENT TYPE Width: 2 Type: Numeric
 Dec: None Miss: 99

N	Prcnt	Code	Value and Description
1	0.3	0	No impact
6	2.0	1	Drive off road, right — Diagram number (see appendix)
1	0.3	97	Untripped rollover

BUSES INVOLVED IN FATAL ACCIDENTS, 2002
SURVEY VARIABLES

Variable 1710:ACCIDENT TYPE (Continued)

N	Prcnt	Code	Value and Description
16	5.4	98	Other accident type
47	15.8	99	Unknown

Variable 1720	PEDESTRIAN FATALITY	Width: 2	Type: Numeric
		Dec: None	Miss: 99

N	Prcnt	Code	Value and Description
4	1.3	1	Discharged Passenger
7	2.3	2	Intended Passenger
63	21.1	3	Not Related to Bus
0	0.0	98	Other
224	75.2	99	Unknown

Variable 1830	INTERVIEW CONDUCTED	Width: 1	Type: Numeric
		Dec: None	Miss: 9

N	Prcnt	Code	Value and Description
214	71.8	1	Yes
84	28.2	2	No
0	0.0	9	Unknown

Variable 1840	POLICE REPORT	Width: 1	Type: Numeric
		Dec: None	Miss: 9

N	Prcnt	Code	Value and Description
248	83.2	1	Yes
50	16.8	2	No
0	0.0	9	Unknown

Variable 1850	FAX/MAIL	Width: 1	Type: Numeric
		Dec: None	Miss: 9

Information received by fax or mail

N	Prcnt	Code	Value and Description
56	18.8	1	Yes
242	81.2	2	No
0	0.0	9	Unknown

Variables 1861 through 1870 indicate modifications to responses received from the interview. Also indicated here are deductions made by the editors to fill in missing data elements. The numbers coded in these variables are the question numbers on the interview form (see Appendix).

Variable 1861	1ST QUESTION DERIVED	Width: 2	Type: Numeric
		Dec: None	Miss: 0

N	Prcnt	Code	Value and Description
135	45.3	0	None
32	10.7	8	Question 8
131	44.0	16	Question 16

Variable 1862	2ND QUESTION DERIVED	Width: 2	Type: Numeric
		Dec: None	Miss: 0

N	Prcnt	Code	Value and Description
281	94.3	0	None
17	5.7	16	Question 16

Variable 1863	3RD QUESTION DERIVED	Width: 2	Type: Numeric
		Dec: None	Miss: 0

N	Prcnt	Code	Value and Description
298	100.0	0	None

Variable 1864	4TH QUESTION DERIVED	Width: 2	Type: Numeric
		Dec: None	Miss: 0

N	Prcnt	Code	Value and Description
298	100.0	0	None

BUSES INVOLVED IN FATAL ACCIDENTS, 2002
SURVEY VARIABLES

Variable 1865	5TH QUESTION DERIVED	Width: 2	Type: Numeric
		Dec: None	Miss: 0

N Prcnt	Code Value and Description
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298 100.0	0 None
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Variable 1866	6TH QUESTION DERIVED	Width: 2	Type: Numeric
		Dec: None	Miss: 0

N Prcnt	Code Value and Description
---------	----------------------------

298 100.0	0 None
-----------	--------

Variable 1867	7TH QUESTION DERIVED	Width: 2	Type: Numeric
		Dec: None	Miss: 0

N Prcnt	Code Value and Description
---------	----------------------------

298 100.0	0 None
-----------	--------

Variable 1868	8TH QUESTION DERIVED	Width: 2	Type: Numeric
		Dec: None	Miss: 0

N Prcnt	Code Value and Description
---------	----------------------------

298 100.0	0 None
-----------	--------

Variable 1869	9TH QUESTION DERIVED	Width: 2	Type: Numeric
		Dec: None	Miss: 0

N Prcnt	Code Value and Description
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298 100.0	0 None
-----------	--------

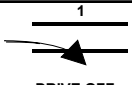
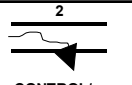
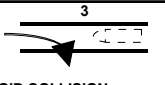

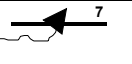


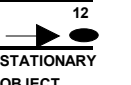



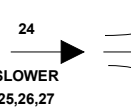
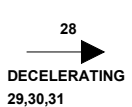
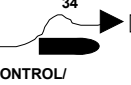
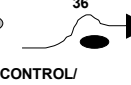
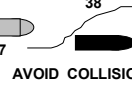
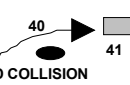
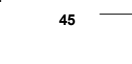
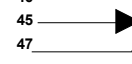

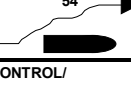
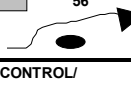
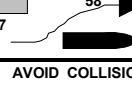
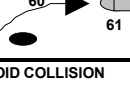



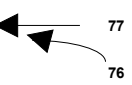
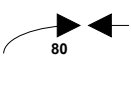
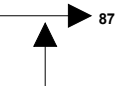
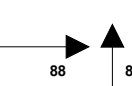
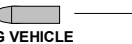
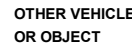
Variable 1870	10TH QUESTION DERIVED	Width: 2	Type: Numeric
		Dec: None	Miss: 0

N Prcnt	Code Value and Description
---------	----------------------------

298 100.0	0 None
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APPENDIX

ACCIDENT TYPES (INCLUDES INTENT)

CATEGORY	CONFIGURATION		4	5
I SINGLE DRIVER	A. RIGHT ROADSIDE DEPARTURE	 DRIVE OFF ROAD  CONTROL/ TRACTION LOSS  AVOID COLLISION W/ VEHICLE, PEDESTRIAN, ANIMAL	SPECIFICS OTHER	SPECIFICS UNKNOWN
	B. LEFT ROADSIDE DEPARTURE	 DRIVE OFF ROAD  CONTROL/ TRACTION LOSS  AVOID COLLISION W/VEHICLE, PEDESTRIAN, ANIMAL	SPECIFICS OTHER	SPECIFICS UNKNOWN
	C. FORWARD IMPACT	 PARKED VEHICLE  STATIONARY OBJECT  PEDESTRIAN ANIMAL  END DEPARTURE	SPECIFICS OTHER	SPECIFICS UNKNOWN
II SAME TRAFFICWAY SAME DIRECTION	D. REAR-END	 STOPPED 21,22,23  SLOWER 25,26,27  DECELERATING 29,30,31	(EACH - 32) SPECIFICS OTHER	(EACH - 33) SPECIFICS UNKNOWN
	E. FORWARD IMPACT	 CONTROL/ TRACTION LOSS  CONTROL/ TRACTION LOSS  AVOID COLLISION WITH VEHICLE  AVOID COLLISION WITH OBJECT	(EACH - 42) SPECIFICS OTHER	(EACH - 43) SPECIFICS UNKNOWN
	F. SIDESWIPE ANGLE	 44 45  46 45 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	 CONTROL/ TRACTION LOSS  CONTROL/ TRACTION LOSS  AVOID COLLISION WITH VEHICLE  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 73 INITIAL SAME DIRECTION	(EACH - 74) SPECIFICS OTHER	(EACH - 75) SPECIFICS UNKNOWN
	K. TURN INTO PATH	 76 77 78 TURN INTO SAME DIRECTION  79 80 81 82 83 TURN IN OPPOSITE DIRECTIONS	(EACH - 84) SPECIFICS OTHER	(EACH - 85) SPECIFICS UNKNOWN
V INTERSECTING PATH-VEHICLE DAMAGE	L. STRAIGHT PATHS	 86 87  88 89	(EACH - 90) SPECIFICS OTHER	(EACH - 91) SPECIFICS UNKNOWN
VI MISC.	M. BACKING ETC.	 92 BACKING VEHICLE  93 OTHER VEHICLE OR OBJECT	97 UNTRIPPED ROLLOVER 98 OTHER ACC TYPE 99 UNKNOWN ACC TYPE 00 NO IMPACT	

CENTER FOR NATIONAL TRUCK & BUS STATISTICS BUSES INVOLVED IN FATAL ACCIDENTS SURVEY

Accident Date _____ / _____ / **2002**
Month Day Year

ACCIDENT IDENTIFICATION *(fill out prior to interview)*

1. FARS State Code

1	2

 State of Accident _____

2. FARS Case No.

3	4	5	6

3. FARS Vehicle No.

7	8

NOTE: Put all information and calculations on this form.

VEHICLE DESCRIPTION

4. Bus Make
- | | | |
|-------------------------|-----|-----|
| AM General | [] | 001 |
| Dodge | [] | 007 |
| Ford | [] | 012 |
| Chevrolet | [] | 020 |
| GMC | [] | 023 |
| International Harvester | [] | 084 |
| Blue Bird | [] | 090 |
| Eagle Coach | [] | 091 |
| Gillig | [] | 092 |
| MCI | [] | 093 |
| Thomas Built | [] | 094 |
| Flxible/Grumman Flxible | [] | 111 |
| Neoplan | [] | 112 |
| New Flyer | [] | 113 |
| Ontario | [] | 114 |
| TMC | [] | 115 |
| Orion | [] | 116 |
| Prevost | [] | 117 |
| Van Hool | [] | 118 |
| Other _____ | [] | 998 |
- (Specify)* 9-11

5. Bus Model Year:

32	33	34	35

6. Front of Bus
Conventional hood

[]	1
-----	---

Flat Front

[]	2
-----	---

Other _____

[]	8
-----	---

(Specify) 36

7. Engine Location
Rear

[]	1
-----	---

Front

[]	2
-----	---

Other _____

[]	8
-----	---

(Specify) 37

8. Fuel
Gasoline

[]	1
-----	---

Diesel

[]	2
-----	---

CNG

[]	6
-----	---

LPG

[]	7
-----	---

Other _____

[]	8
-----	---

(Specify) 38

9. Bus Model _____
(Name or No.) (Specify)

Final-Stage Manufacturer _____ *(Specify)*
(editor)

12-31

Bus Model _____ *(Specify)*
(editor)

39	40	41	42	43	44	45	46	47	48

10. Bus Type:
- Type A School Bus
 - Type B School Bus
 - Type C School Bus
 - Type D School Bus
 - Flat Front (like transit or shuttle bus)
 - Big Cowl and Chassis
 - High Platform
 - Small Cowl and Chassis
 - Other _____
- (Specify)*

[]	01
[]	02
[]	03
[]	04
[]	05
[]	06
[]	07
[]	08
[]	98

49-50

Describe the Bus:

51-100

(editor)

11. No. of Axles:

101

17. Length:
(feet)

116 117 118

12. Body Style:

- Bus
- Large Van
- Mini Van
- Other

[]	1
[]	2
[]	3
[]	8

102

18. Width:
(inches)

119 120 121

13. Passenger Seating Capacity:

(does not include driver but does include designated wheelchair spaces)

103 104 105

19. Type of restraint system for general passengers:

- None
 - Lap belts
 - Lap and shoulder belts
 - Lap belts, front passengers only
 - Other _____
- (Specify)*

[]	1
[]	2
[]	3
[]	7
[]	8

122

14. Number of passengers on the bus at the time of the accident
(does not include driver)

106 107 108

20. Type of restraint system for special needs passengers:

- None
- Wheelchair securement
- Belts (attachment point on vehicle)
- Wheelchair securement and belts

[]	1
[]	2
[]	3
[]	4

123

15. GVWR

_____ *(editor)*

109

16. Empty Weight:
(pounds)

110 111 112 113 114 115

VEHICLE USE

21. Describe Bus Operating Authority:

<p>-----</p> <p>-----</p> <p style="text-align: center;">124-173</p> <p style="text-align: right;">(editor)</p>

22. Fleet Size:
(buses only)

174 175 176 177 178

No. Owned

179 180 181 182 183

No. Leased

184 185 186 187 188

23. Bus Operator Type:

- School District
- Urban transit authority
- Scheduled intercity
- Charter bus
- Private company (not pass. transport)
- Non-govt. organization
- Non-educational unit of govt.
- Private individual for personal
-transportation
- Other _____
(Specify)

[] 01
[] 02
[] 03
[] 04
[] 05
[] 06
[] 07
[] 08
[] 98
189-190

25. Operator : Private
Carry passengers for hire
Govt. owned

[] 1
[] 2
[] 3
192

24. Within twelve months before the accident, did any of the operator's buses carry passengers across state lines?

Yes
No

[] 1
[] 2
191

26. Intended One-Way Trip Distance

- Local *(within a 50 mile radius of base)*
- Over-the-Road
- 51 to 100 miles
- 101 to 200 miles
- 201 to 500 miles
- Greater than 500 miles
- Unknown over-the-road trip distance

[] 1
[] 2
[] 3
[] 4
[] 5
[] 6
193

ACCIDENT DESCRIPTION

27. Did the bus roll over?

Yes
No

[] 1
[] 2
194

28. Direction of roll:

Left
Right
Other

[] 1
[] 2
[] 8
195

29. Number of quarter turns of roll:

196 197

DRIVER DESCRIPTION

30. How many hours had the driver been driving since the last 8-hour break?

198	199

Hrs.

31. How was the driver compensated for this trip?
(check all that apply)

- Hourly
- Mileage
- Tips
- Percentage of revenue
- Salary
- Driver is owner
- Driver is volunteer
- Driver's primary employment is not as bus driver
- Other _____
(Specify)

	Yes	No
Hourly	[] 1	[] 2
Mileage	[] 1	[] 2
Tips	[] 1	[] 2
Percentage of revenue	[] 1	[] 2
Salary	[] 1	[] 2
Driver is owner	[] 1	[] 2
Driver is volunteer	[] 1	[] 2
Driver's primary employment is not as bus driver	[] 1	[] 2
Other _____ <i>(Specify)</i>	[] 1	[] 2

200
201
202
203
204
205
206
207
208

32. Describe compensation method:

209-258

(editor)

REMAINDER TO BE COMPLETED BY EDITOR.

33. Collision avoidance section. Illustrate pre-collision scenario below. Enter GES code.

259	260
-----	-----

34. Latitude of accident

0	'	"				
261	262	263	264	265	266	267

35. Longitude of accident

0	'	"					
268	269	270	271	272	273	274	275

36. Interview?

Yes
No

[]	1
[]	2
276	

37. Police report?

Yes
No

[]	1
[]	2
277	

38. FAX/Mail?

Yes
No

[]	1
[]	2
278	

DERIVED INFORMATION *(Insert question numbers.)*

279	280	281	282	283	284	285	286	287	288
289	290	291	292	293	294	295	296	297	298

PEDESTRIAN FATALITY

39. Relationship of pedestrian to bus:

- Discharged passenger [] 01
- Intended passenger [] 02
- Not related to bus [] 03
- Other _____ [] 98
(Specify)
- Unknown [] 99

299-300

40. PAR Number

301	302	303	304	305	306	307	308	309	310	311	312
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

41. ICC Number

313	314	315	316	317	318
-----	-----	-----	-----	-----	-----

42. DOT Number

319	320	321	322	323	324	325
-----	-----	-----	-----	-----	-----	-----

43. State PSC Number

326	327	328	329	330	331	332	333	334	335
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

44. State issuing

336	337
-----	-----