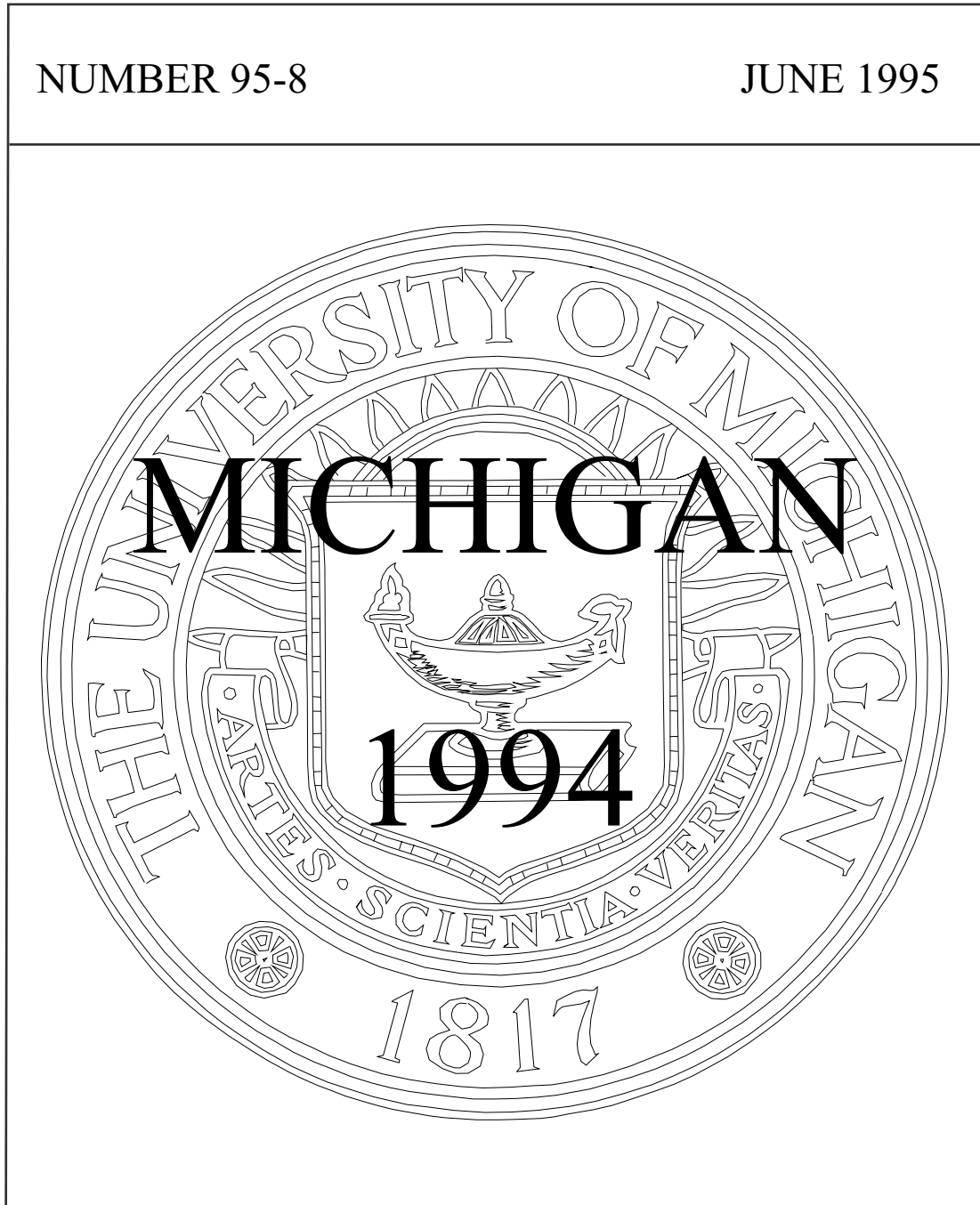


Transportation Data Center
Data Set Codebook

NUMBER 95-8

JUNE 1995



The University of Michigan
Transportation Research Institute

STATE OF MICHIGAN
1994 MOTOR VEHICLE ACCIDENT CODEBOOK

INTRODUCTION

This codebook documents data sets describing motor vehicle accidents that occurred in the State of Michigan during calendar year 1994. The data sets were developed by the Transportation Data Center at the University of Michigan's Transportation Research Institute from data supplied by the Michigan State Police. The cooperation of that agency is gratefully acknowledged. For several reasons, the Michigan State Police and the Transportation Data Center caution the reader to treat the 1994 data as "transitional." Direct comparisons and trends using the 1994 data should be made cautiously. In no way should the 1994 data be treated with the reliability that preceding years of Michigan crash data deserved.

Two separate data set categories have been built from the original Motor Vehicle Accident data supplied by the state.

- 1) All reported accidents that occurred in Michigan in 1994, known as the "Census" data.
- 2) All accidents in which at least one truck supplement record was found. Vehicles which did not match the vehicle number on the truck supplement record were given "not available" code values for truck supplement variables. Non-matched truck supplement records (n=0) were deleted.

The table below provides summary information for each of the categories (such as the "key" that provides access in ADAAS).

Each of the two data set categories have been constructed in three distinct formats: an Accident data set, a Vehicle data set, and an Occupant data set.

- 1) The Accident data set (described by variables 1 through 71) includes one record for each accident. General accident information not specific to any vehicle or its

occupants is found in this data set (e.g., time of day, accident type, etc.).

1994 MICHIGAN DATA SETS

CATEGORY	KEY	VARIABLES	CASES
Census	MIC94ACC	1-71	398,050
	MIC94VEH	1-71, 100-159	702,874
	MIC94OCC	1-71, 100-159, 300-311	744,318
Truck	MIT94ACC	1-71	16,412
	MIT94VEH	1-71, 100-159, 200-224	31,436
	MIT94OCC	1-71, 100-159, 200-224, 300-311	33,038

- 2) The Vehicle data set (described by variables 1 through 71, and 100 through 159) includes one record for every "traffic unit" (motor vehicles, pedestrians, pedalcyclists, etc.) involved in the accident. Variables 100 through 159 describe specific characteristics of the traffic unit, while 1 through 71 repeat the accident description. The Large Truck data variables (described by variables 200 through 224), enumerated in the Vehicle data set immediately following the Census data set univariates, includes one record for every traffic unit involved in an accident where a supplemental truck record was present.
- 3) The Occupant data set (described by variables 1 through 71, 100 through 159, and 300 through 311) includes one record for every occupant involved in the accident. Variables 300 through 311 describe specific characteristics of the traffic unit occupants, while 1 through 71, and 100 through 159, repeat the accident and traffic unit descriptions. The Large Truck data set will also include variables 200 through 224, repeating the truck supplement traffic unit descriptions.

This codebook documents the variable names and code values for all the individual Michigan data sets. The univariate frequency counts and percentages for each variable apply to the Census data sets and to the Large Truck vehicle data set where applicable. In using the univariate frequencies, the following convention should be noted: frequencies for variables 1 through 71 were derived from the Accident data set, frequencies for variables 100 through 159 were derived from the Vehicle data set, frequencies for variables 200 through 224 were derived from the Large Truck Vehicle data set, and frequencies for variables 300 through 311 were derived from the Occupant data set.

The definitions of the code values described in the codebook were taken from a document known as the "Official State of Michigan Crash File Layout" (last Revision May 22, 1995) that was produced by the Data Processing Section of the Michigan Criminal Justice Data Center. Other code definitions are self-explanatory counters that the Transportation Data Center have included as an aid for analysts. Unlabeled code values indicate erroneous coding in the data received.

While every effort has been made to provide accurate, reliable data, inconsistencies may arise from the source data or from the reformatting procedures used. Consequently, the Data Center cannot guarantee the accuracy of the data but will try to resolve any discrepancies that are found. Any comments or suggestions concerning the data or the codebook may be made by calling the Data Center at (734) 763-3230.

STATE OF MICHIGAN
1994 - Accident

Variable Number	Variable Name	Width	Storage Type	Page Number
1	TDC-UMTRI CASE NUMBER	6	Numeric	1
2	ACCIDENT MONTH	2	Numeric	1
3	ACCIDENT DAY	2	Numeric	1
4	ACCIDENT YEAR	4	Numeric	1
5	TIME OF DAY	2	Numeric	2
6	WEEK OF YEAR	2	Numeric	2
7	JULIAN DAY FROM 03-01-00	5	Numeric	4
8	DAY OF WEEK	1	Numeric	4
9	HOUR OF WEEK	3	Numeric	4
10	COUNTY	2	Numeric	7
11	CITY OR TOWNSHIP	2	Numeric	9
12	CONTROL SECTION	1	Numeric	10
13	HIGHWAY CLASS	1	Numeric	10
14	HIGHWAY NUMBER	3	Numeric	10
15	HIGHWAY CONTROL SECTION	5	Numeric	10
16	CONTROL SECTION MLPT	4	Numeric	11
17	LOCATION FLAG	1	Numeric	11
18	LOCATION ERROR	2	Numeric	11
19	ORIG DIRECTION	2	Numeric	12
20	NUMBER OF TRAFFIC LANES	2	Numeric	12
21	RELATIONSHIP TO ROADWAY	1	Numeric	12
22	AREA OF ROAD AT CRASH	2	Numeric	13
23	ROAD CONDITIONS	1	Numeric	13
24	SPEED LIMIT AT CRASHSITE	2	Numeric	14
25	POSTED SPEED LIMIT	1	Numeric	14
26	TRAFFIC CONTROL	1	Numeric	14
27	CONSTRUCTION TYPE	1	Numeric	15
28	CONSTRUCTION LANE CLOSED	1	Numeric	15
29	CONSTRUCTION ACTIVITY	1	Numeric	15
30	WEATHER	1	Numeric	15
31	LIGHT	1	Numeric	16
32	HOW CRASH TOOK PLACE	2	Numeric	16
33	CRASH INVESTGTD AT SCENE	1	Numeric	16
34	COMPLAINT STATUS	1	Numeric	16
35	PUBLIC PROPERTY DAMAGED	1	Numeric	17
36	FLAG: NO SPECIAL CIRCUMS	1	Numeric	17
37	FLAG: DEER INVOLV/ASSOC	1	Numeric	17
38	FLAG: SCHOOL BUS INV/ASC	1	Numeric	17
39	FLAG: HIT AND RUN	1	Numeric	18
40	FLAG: FLEEING /PURSUING	1	Numeric	18
41	FLAG: SPECIAL LOCAL STDY	1	Numeric	18
42	FLAG: SPECIAL STATE STDY	1	Numeric	18
43	TRAFFIC UNIT MIX	2	Numeric	19
44	FLAG: PROPERTY DAMAGE	1	Numeric	19
45	FLAG: DRINKING OPERATOR	1	Numeric	19
46	FLAG: TRUCK OR BUS	1	Numeric	19
47	FLAG: SNOWMOBILE	1	Numeric	20
48	FLAG: EMERGENCY VEHICLE	1	Numeric	20
49	FLAG: ORV INVOLVED	1	Numeric	20
50	FLAG: PEDESTRIAN	1	Numeric	20

STATE OF MICHIGAN
1994 - Accident

Variable Number	Variable Name	Width	Storage Type	Page Number
51	FLAG: PED REC PRESENT	1	Numeric	20
52	FLAG: NONTRAFFIC CRASH	1	Numeric	21
53	FLAG: BICYCLIST	1	Numeric	21
54	FLAG: FARM EQUIPMENT	1	Numeric	21
55	FLAG: TRAIN ACCIDENT	1	Numeric	21
56	NUMBER TRUCK SUPPL FORMS	3	Numeric	21
57	FLAG: INJURY CRASH	1	Numeric	22
58	FLAG: FATAL CRASH	1	Numeric	22
59	TOTAL UNITS REPORTED	2	Numeric	22
60	TOTAL NONPARKED UNITS	2	Numeric	22
61	TOTAL UNITS PROCESSED	1	Numeric	23
62	NUMBER INJURED IN CRASH	2	Numeric	23
63	NUMBER FATAL IN CRASH	2	Numeric	23
64	WORST INJURY IN ACCIDENT	1	Numeric	23
65	TOTAL KILLED IN ACC	2	Numeric	24
66	TOTAL A-INJURED IN ACC	2	Numeric	24
67	TOTAL B-INJURED IN ACC	2	Numeric	24
68	TOTAL C-INJURED IN ACC	2	Numeric	25
69	TOTAL INJURED IN ACC	2	Numeric	25
70	TOTAL CASUALTIES IN ACC	2	Numeric	26
71	TOTAL UNINJURED IN ACC	2	Numeric	26

STATE OF MICHIGAN
1994 - Vehicle/Driver

Variable Number	Variable Name	Width	Storage Type	Page Number
100	UNIT NUMBER	2	Numeric	27
101	VEHICLE TYPE	2	Numeric	27
102	CDL TRUCK TYPE	2	Numeric	28
103	CDL TRUCK BODY STYLE	2	Numeric	29
104	SPECIAL VEHICLE	1	Numeric	29
105	VEHICLE USE	2	Numeric	29
106	VEHICLE DEFECT	1	Numeric	30
107	NONCOMM TRAILER CONFIG	1	Numeric	30
108	REGISTRATION STATE	2	Numeric	30
109	WORST IMPACT POINT	2	Numeric	32
110	EXTENT OF DAMAGE	1	Numeric	32
111	DRIVABLE AFTER CRASH	1	Numeric	32
112	ACTION PRIOR TO CRASH	2	Numeric	33
113	DIRECTION OF TRAVEL	2	Numeric	33
114	HARMFUL EVENT #1	2	Numeric	34
115	HARMFUL EVENT #2	2	Numeric	35
116	HARMFUL EVENT #3	2	Numeric	36
117	HARMFUL EVENT #4	2	Numeric	37
118	EVENT 1 MOST HARMFUL	1	Numeric	39
119	EVENT 2 MOST HARMFUL	1	Numeric	39
120	EVENT 3 MOST HARMFUL	1	Numeric	39
121	EVENT 4 MOST HARMFUL	1	Numeric	39
122	MOST HARMFUL EVENT:MOST	2	Numeric	40
123	HAZARDOUS ACTION	2	Numeric	41
124	DRIVER HAZARDOUS CITATN	1	Numeric	41
125	DRIVER OTHER CITATION	1	Numeric	41
126	DRINKING INFORMATION	1	Numeric	42
127	REFUSAL INFORMATION	1	Numeric	42
128	FIELD SOBRIETY TEST	1	Numeric	42
129	PBT TEST	1	Numeric	42
130	BREATHALYZER TEST	1	Numeric	42
131	URINE TEST	1	Numeric	43
132	BLOOD TEST	1	Numeric	43
133	TOTAL OCCUPANTS IN VEH	2	Numeric	43
134	CMPTD NUMBER FATAL	3	Numeric	43
135	CMPTD NUMBER INJURED	3	Numeric	44
136	TU WORST INJURY	1	Numeric	44
137	TU TOTAL KILLED	2	Numeric	44
138	TU TOTAL A INJURED	2	Numeric	45
139	TU TOTAL B INJURED	2	Numeric	45
140	TU TOTAL C INJURED	2	Numeric	46
141	TU TOTAL INJURED	2	Numeric	46
142	TU TOTAL CASUALTIES	2	Numeric	46
143	TU TOTAL UNINJURED	1	Numeric	47
144	TOTAL OCC RECS FOR TU	2	Numeric	47
145	TDC-UMTRI UNIT NUMBER	2	Numeric	48
146	DRIVER POSITION	2	Numeric	48
147	DRIVER RESTRAINT	2	Numeric	48
148	DRIVER AIRBAG	1	Numeric	49
149	DRIVER EJECTION	1	Numeric	49

STATE OF MICHIGAN
1994 - Vehicle/Driver

Variable Number	Variable Name	Width	Storage Type	Page Number
150	DRIVER TRAPPED	1	Numeric	49
151	DRIVER LICENSE STATE	2	Numeric	49
152	LICENSE TYPE	1	Numeric	51
153	LICENSE TYPE - CYCLE	1	Numeric	51
154	LICENSE TYPE - FARM	1	Numeric	51
155	LICENSE-RECREATIONAL DBL	1	Numeric	52
156	DRIVER BIRTH DATE	8	Numeric	52
157	DRIVER AGE	3	Numeric	52
158	DRIVER SEX	1	Numeric	52
159	DRIVER DEGREE OF INJURY	1	Numeric	52

STATE OF MICHIGAN
1994 - Truck

Variable Number	Variable Name	Width	Storage Type	Page Number
200	CDL TYPE 1	1	Numeric	53
201	CDL TYPE 2 H	1	Numeric	53
202	CDL TYPE 2 N	1	Numeric	53
203	CDL TYPE 2 P	1	Numeric	53
204	CDL TYPE 2 T	1	Numeric	54
205	CDL TYPE 2 X	1	Numeric	54
206	CDL EXEMPT	1	Numeric	54
207	MEDICAL CARD	1	Numeric	54
208	CDL RESTRICTION 28	1	Numeric	54
209	CDL RESTRICTION 29	1	Numeric	55
210	CDL RESTRICTION 30	1	Numeric	55
211	CDL RESTRICTION 35	1	Numeric	55
212	CDL RESTRICTION 36	1	Numeric	55
213	CDL LICENSE STATE	2	Numeric	55
214	SOURCE OF CDL INFO	1	Numeric	57
215	INTER/INTRA STATE	1	Numeric	57
216	GROSS VEH WEIGHT RATING	6	Numeric	57
217	HAZMAT: TYPE	4	Numeric	58
218	HAZMAT: CLASS	2	Numeric	58
219	HAZMAT: PLACARD	1	Numeric	58
220	HAZMAT: SPILL	1	Numeric	58
221	SAE AXLE TYPE: I	2	Alphabetic	58
222	SAE AXLE TYPE: II	2	Alphabetic	59
223	SAE AXLE TYPE: III	2	Alphabetic	59
224	SAE AXLE TYPE: IV	2	Alphabetic	59

STATE OF MICHIGAN
1994 - Passenger injury

Variable Number	Variable Name	Width	Storage Type	Page Number
300	UNIT NUMBER	2	Numeric	61
301	PASSENGER NUMBER	3	Numeric	61
302	PASSENGER POSITION	2	Numeric	61
303	PASSENGER RESTRAINT	2	Numeric	62
304	PASSENGER AIRBAG	1	Numeric	62
305	PASSENGER EJECTION	1	Numeric	62
306	PASSENGER TRAPPED	1	Numeric	63
307	BIRTH DATE	8	Numeric	63
308	AGE	3	Numeric	63
309	PASSENGER SEX	1	Numeric	63
310	PASSENGER DEGREE OF INJ	1	Numeric	63
311	AMBULANCE CODE	4	Numeric	64

The ACCIDENT Variables

Variables 1 through 71 describe the accident. They are included in the Accident, Vehicle, and Occupant data sets. The Accident data set includes these variables and no others.

Variable 1 TDC-UMTRI CASE NUMBER Width: 6 Type: Numeric

Dec: None Miss: 0

Variable 2 ACCIDENT MONTH Width: 2 Type: Numeric

Dec: None Miss: 0

Census Prcnt Code Value and Description

41566	10.4	1	January
33357	8.4	2	February
27849	7.0	3	March
26888	6.8	4	April
29594	7.4	5	May
31875	8.0	6	June
29119	7.3	7	July
29865	7.5	8	August
31114	7.8	9	September
38225	9.6	10	October
40873	10.3	11	November
37725	9.5	12	December
0	0.0	99	Nonnumeric data

Variable 3 ACCIDENT DAY Width: 2 Type: Numeric

Dec: None Miss: 0

Census Prcnt Code Value and Description

13167	3.3	1	
		-	Day of month
7685	1.9	31	
12	0.0	99	Nonnumeric data

Variable 4 ACCIDENT YEAR Width: 4 Type: Numeric

Dec: None Miss: None

Census Prcnt Code Value and Description

398050	100.0	1994	1994
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STATE OF MICHIGAN
1994 - Accident

```
-----
Variable 5      TIME OF DAY                Width: 2      Type: Numeric
-----
Dec:           None          Miss: 99
```

Census Prcnt	Code	Value and Description
8068	2.0	0 12:00 mid. - 1:00 a.m.
7393	1.9	1 1:00 a.m. - 2:00 a.m.
7369	1.9	2 2:00 a.m. - 3:00 a.m.
4782	1.2	3 3:00 a.m. - 4:00 a.m.
3775	0.9	4 4:00 a.m. - 5:00 a.m.
6426	1.6	5 5:00 a.m. - 6:00 a.m.
11031	2.8	6 6:00 a.m. - 7:00 a.m.
18423	4.6	7 7:00 a.m. - 8:00 a.m.
17099	4.3	8 8:00 a.m. - 9:00 a.m.
13673	3.4	9 9:00 a.m. - 10:00 a.m.
14920	3.7	10 10:00 a.m. - 11:00 a.m.
18585	4.7	11 11:00 a.m. - 12:00 noon
22531	5.7	12 12:00 noon - 1:00 p.m.
20934	5.3	13 1:00 p.m. - 2:00 p.m.
24808	6.2	14 2:00 p.m. - 3:00 p.m.
30356	7.6	15 3:00 p.m. - 4:00 p.m.
29838	7.5	16 4:00 p.m. - 5:00 p.m.
31154	7.8	17 5:00 p.m. - 6:00 p.m.
25532	6.4	18 6:00 p.m. - 7:00 p.m.
19591	4.9	19 7:00 p.m. - 8:00 p.m.
15941	4.0	20 8:00 p.m. - 9:00 p.m.
15499	3.9	21 9:00 p.m. - 10:00 p.m.
13627	3.4	22 10:00 p.m. - 11:00 p.m.
11401	2.9	23 11:00 p.m. - 12:00 mid.
189	0.0	24 Midnight
18	0.0	25
1	0.0	26
1	0.0	27
2	0.0	28
4	0.0	29
1	0.0	45
3788	1.0	77 Uncoded & errors
1	0.0	91
1	0.0	92
5	0.0	97
2	0.0	98
1281	0.3	99 Unknown

```
-----
Variable 6      WEEK OF YEAR                Width: 2      Type: Numeric
-----
Dec:           None          Miss: 99
```

Census Prcnt	Code	Value and Description
9057	2.3	1 January 1 - January 7
9348	2.3	2 January 8 - January 14
11268	2.8	3 January 15 - January 21
9268	2.3	4 January 22 - January 28
8351	2.1	5 January 29 - February 4
8934	2.2	6 February 5 - February 11

Variable 6:WEEK OF YEAR (Continued)

Census	Prcnt	Code	Value and Description
7138	1.8	7	February 12 - February 18
8563	2.2	8	February 19 - February 25
7037	1.8	9	February 26 - March 3
6710	1.7	10	March 4 - March 10
6787	1.7	11	March 11 - March 17
5430	1.4	12	March 18 - March 24
5776	1.5	13	March 25 - March 31
5779	1.5	14	April 1 - April 7
6213	1.6	15	April 8 - April 15
5883	1.5	16	April 15 - April 21
6784	1.7	17	April 22 - April 28
6649	1.7	18	April 29 - May 5
7009	1.8	19	May 6 - May 12
6567	1.6	20	May 13 - May 19
7175	1.8	21	May 20 - May 26
6952	1.7	22	May 27 - June 2
7186	1.8	23	June 3 - June 9
7315	1.8	24	June 10 - June 16
7957	2.0	25	June 17 - June 23
7128	1.8	26	June 24 - June 30
6611	1.7	27	July 1 - July 7
6408	1.6	28	July 8 - July 14
6954	1.7	29	July 15 - July 21
6433	1.6	30	July 22 - July 28
6949	1.7	31	July 29 - August 4
6723	1.7	32	August 5 - August 11
6662	1.7	33	August 12 - August 18
6554	1.6	34	August 19 - August 25
6722	1.7	35	August 26 - September 1
6801	1.7	36	September 2 - September 8
6909	1.7	37	September 9 - September 15
6940	1.7	38	September 16 - September 22
8286	2.1	39	September 23 - September 29
7848	2.0	40	September 30 - October 6
8453	2.1	41	October 7 - October 13
8596	2.2	42	October 14 - October 20
9079	2.3	43	October 21 - October 27
10815	2.7	44	October 28 - November 3
9852	2.5	45	November 4 - November 10
9439	2.4	46	November 11 - November 17
9009	2.3	47	November 18 - November 24
8510	2.1	48	November 25 - December 1
10902	2.7	49	December 2 - December 8
9136	2.3	50	December 9 - December 15
8471	2.1	51	December 16 - December 22
5575	1.4	52	December 23 - December 29
1137	0.3	53	December 30 - December 31
12	0.0	99	Missing data

STATE OF MICHIGAN
1994 - Accident

Variable 7 JULIAN DAY FROM 03-01-00 Width: 5 Type: Numeric

Dec: None Miss: 99999

Variable 8 DAY OF WEEK Width: 1 Type: Numeric

Dec: None Miss: 9

Census Prcnt Code Value and Description

41177	10.3	1	Sunday
54486	13.7	2	Monday
56345	14.2	3	Tuesday
59926	15.1	4	Wednesday
60997	15.3	5	Thursday
68983	17.3	6	Friday
56136	14.1	7	Saturday
0	0.0	9	Nonnumeric data

Variable 9 HOUR OF WEEK Width: 3 Type: Numeric

Dec: None Miss: 999

Census Prcnt Code Value and Description

1932	0.5	0	12:00 a.m. Sunday - 12:59 a.m. Sunday
1764	0.4	1	1:00 a.m. Sunday - 1:59 a.m. Sunday
1977	0.5	2	2:00 a.m. Sunday - 2:59 a.m. Sunday
1251	0.3	3	3:00 a.m. Sunday - 3:59 a.m. Sunday
712	0.2	4	4:00 a.m. Sunday - 4:59 a.m. Sunday
695	0.2	5	5:00 a.m. Sunday - 5:59 a.m. Sunday
697	0.2	6	6:00 a.m. Sunday - 6:59 a.m. Sunday
678	0.2	7	7:00 a.m. Sunday - 7:59 a.m. Sunday
745	0.2	8	8:00 a.m. Sunday - 8:59 a.m. Sunday
1133	0.3	9	9:00 a.m. Sunday - 9:59 a.m. Sunday
1425	0.4	10	10:00 a.m. Sunday - 10:59 a.m. Sunday
1603	0.4	11	11:00 a.m. Sunday - 11:59 a.m. Sunday
2110	0.5	12	12:00 noon Sunday - 12:59 p.m. Sunday
2296	0.6	13	1:00 p.m. Sunday - 1:59 p.m. Sunday
2308	0.6	14	2:00 p.m. Sunday - 2:59 p.m. Sunday
2492	0.6	15	3:00 p.m. Sunday - 3:59 p.m. Sunday
2371	0.6	16	4:00 p.m. Sunday - 4:59 p.m. Sunday
2472	0.6	17	5:00 p.m. Sunday - 5:59 p.m. Sunday
2659	0.7	18	6:00 p.m. Sunday - 6:59 p.m. Sunday
2327	0.6	19	7:00 p.m. Sunday - 7:59 p.m. Sunday
2056	0.5	20	8:00 p.m. Sunday - 8:59 p.m. Sunday
1962	0.5	21	9:00 p.m. Sunday - 9:59 p.m. Sunday
1615	0.4	22	10:00 p.m. Sunday - 10:59 p.m. Sunday
1239	0.3	23	11:00 p.m. Sunday - 11:59 p.m. Sunday
800	0.2	24	12:00 a.m. Monday - 12:59 a.m. Monday
662	0.2	25	1:00 a.m. Monday - 1:59 a.m. Monday
620	0.2	26	2:00 a.m. Monday - 2:59 a.m. Monday
456	0.1	27	3:00 a.m. Monday - 3:59 a.m. Monday
430	0.1	28	4:00 a.m. Monday - 4:59 a.m. Monday
879	0.2	29	5:00 a.m. Monday - 5:59 a.m. Monday

STATE OF MICHIGAN
1994 - Accident

Variable 9: HOUR OF WEEK (Continued)

Census	Prcnt	Code	Value and Description
1719	0.4	30	6:00 a.m. Monday - 6:59 a.m. Monday
3224	0.8	31	7:00 a.m. Monday - 7:59 a.m. Monday
2801	0.7	32	8:00 a.m. Monday - 8:59 a.m. Monday
1952	0.5	33	9:00 a.m. Monday - 9:59 a.m. Monday
2137	0.5	34	10:00 a.m. Monday - 10:59 a.m. Monday
2692	0.7	35	11:00 a.m. Monday - 11:59 a.m. Monday
3108	0.8	36	12:00 noon Monday - 12:59 p.m. Monday
2883	0.7	37	1:00 p.m. Monday - 1:59 p.m. Monday
3469	0.9	38	2:00 p.m. Monday - 2:59 p.m. Monday
4346	1.1	39	3:00 p.m. Monday - 3:59 p.m. Monday
4291	1.1	40	4:00 p.m. Monday - 4:59 p.m. Monday
4780	1.2	41	5:00 p.m. Monday - 5:59 p.m. Monday
3389	0.9	42	6:00 p.m. Monday - 6:59 p.m. Monday
2504	0.6	43	7:00 p.m. Monday - 7:59 p.m. Monday
1970	0.5	44	8:00 p.m. Monday - 8:59 p.m. Monday
1911	0.5	45	9:00 p.m. Monday - 9:59 p.m. Monday
1589	0.4	46	10:00 p.m. Monday - 10:59 p.m. Monday
1173	0.3	47	11:00 p.m. Monday - 11:59 p.m. Monday
774	0.2	48	12:00 a.m. Tuesday - 12:59 a.m. Tuesday
631	0.2	49	1:00 a.m. Tuesday - 1:59 a.m. Tuesday
556	0.1	50	2:00 a.m. Tuesday - 2:59 a.m. Tuesday
381	0.1	51	3:00 a.m. Tuesday - 3:59 a.m. Tuesday
439	0.1	52	4:00 a.m. Tuesday - 4:59 a.m. Tuesday
971	0.2	53	5:00 a.m. Tuesday - 5:59 a.m. Tuesday
1850	0.5	54	6:00 a.m. Tuesday - 6:59 a.m. Tuesday
3343	0.8	55	7:00 a.m. Tuesday - 7:59 a.m. Tuesday
2994	0.8	56	8:00 a.m. Tuesday - 8:59 a.m. Tuesday
2071	0.5	57	9:00 a.m. Tuesday - 9:59 a.m. Tuesday
2189	0.5	58	10:00 a.m. Tuesday - 10:59 a.m. Tuesday
2637	0.7	59	11:00 a.m. Tuesday - 11:59 a.m. Tuesday
3102	0.8	60	12:00 noon Tuesday - 12:59 p.m. Tuesday
2761	0.7	61	1:00 p.m. Tuesday - 1:59 p.m. Tuesday
3672	0.9	62	2:00 p.m. Tuesday - 2:59 p.m. Tuesday
4614	1.2	63	3:00 p.m. Tuesday - 3:59 p.m. Tuesday
4525	1.1	64	4:00 p.m. Tuesday - 4:59 p.m. Tuesday
4870	1.2	65	5:00 p.m. Tuesday - 5:59 p.m. Tuesday
3753	0.9	66	6:00 p.m. Tuesday - 6:59 p.m. Tuesday
2529	0.6	67	7:00 p.m. Tuesday - 7:59 p.m. Tuesday
1976	0.5	68	8:00 p.m. Tuesday - 8:59 p.m. Tuesday
1954	0.5	69	9:00 p.m. Tuesday - 9:59 p.m. Tuesday
1738	0.4	70	10:00 p.m. Tuesday - 10:59 p.m. Tuesday
1313	0.3	71	11:00 p.m. Tuesday - 11:59 p.m. Tuesday
835	0.2	72	12:00 a.m. Wednesday - 12:59 a.m. Wednesday
751	0.2	73	1:00 a.m. Wednesday - 1:59 a.m. Wednesday
642	0.2	74	2:00 a.m. Wednesday - 2:59 a.m. Wednesday
439	0.1	75	3:00 a.m. Wednesday - 3:59 a.m. Wednesday
443	0.1	76	4:00 a.m. Wednesday - 4:59 a.m. Wednesday
1104	0.3	77	5:00 a.m. Wednesday - 5:59 a.m. Wednesday
2101	0.5	78	6:00 a.m. Wednesday - 6:59 a.m. Wednesday
3686	0.9	79	7:00 a.m. Wednesday - 7:59 a.m. Wednesday
3352	0.8	80	8:00 a.m. Wednesday - 8:59 a.m. Wednesday
2374	0.6	81	9:00 a.m. Wednesday - 9:59 a.m. Wednesday

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Variable 9: HOUR OF WEEK (Continued)

Census	Prcnt	Code	Value and Description
2223	0.6	82	10:00 a.m. Wednesday - 10:59 a.m. Wednesday
2721	0.7	83	11:00 a.m. Wednesday - 11:59 a.m. Wednesday
3228	0.8	84	12:00 noon Wednesday - 12:59 p.m. Wednesday
2823	0.7	85	1:00 p.m. Wednesday - 1:59 p.m. Wednesday
3694	0.9	86	2:00 p.m. Wednesday - 2:59 p.m. Wednesday
4740	1.2	87	3:00 p.m. Wednesday - 3:59 p.m. Wednesday
4738	1.2	88	4:00 p.m. Wednesday - 4:59 p.m. Wednesday
5308	1.3	89	5:00 p.m. Wednesday - 5:59 p.m. Wednesday
4048	1.0	90	6:00 p.m. Wednesday - 6:59 p.m. Wednesday
2682	0.7	91	7:00 p.m. Wednesday - 7:59 p.m. Wednesday
2122	0.5	92	8:00 p.m. Wednesday - 8:59 p.m. Wednesday
2141	0.5	93	9:00 p.m. Wednesday - 9:59 p.m. Wednesday
1696	0.4	94	10:00 p.m. Wednesday - 10:59 p.m. Wednesday
1322	0.3	95	11:00 p.m. Wednesday - 11:59 p.m. Wednesday
914	0.2	96	12:00 a.m. Thursday - 12:59 a.m. Thursday
794	0.2	97	1:00 a.m. Thursday - 1:59 a.m. Thursday
675	0.2	98	2:00 a.m. Thursday - 2:59 a.m. Thursday
489	0.1	99	3:00 a.m. Thursday - 3:59 a.m. Thursday
436	0.1	100	4:00 a.m. Thursday - 4:59 a.m. Thursday
916	0.2	101	5:00 a.m. Thursday - 5:59 a.m. Thursday
1858	0.5	102	6:00 a.m. Thursday - 6:59 a.m. Thursday
3272	0.8	103	7:00 a.m. Thursday - 7:59 a.m. Thursday
3119	0.8	104	8:00 a.m. Thursday - 8:59 a.m. Thursday
2225	0.6	105	9:00 a.m. Thursday - 9:59 a.m. Thursday
2202	0.6	106	10:00 a.m. Thursday - 10:59 a.m. Thursday
2772	0.7	107	11:00 a.m. Thursday - 11:59 a.m. Thursday
3644	0.9	108	12:00 noon Thursday - 12:59 p.m. Thursday
3243	0.8	109	1:00 p.m. Thursday - 1:59 p.m. Thursday
3932	1.0	110	2:00 p.m. Thursday - 2:59 p.m. Thursday
5086	1.3	111	3:00 p.m. Thursday - 3:59 p.m. Thursday
4978	1.3	112	4:00 p.m. Thursday - 4:59 p.m. Thursday
5192	1.3	113	5:00 p.m. Thursday - 5:59 p.m. Thursday
3944	1.0	114	6:00 p.m. Thursday - 6:59 p.m. Thursday
2868	0.7	115	7:00 p.m. Thursday - 7:59 p.m. Thursday
2267	0.6	116	8:00 p.m. Thursday - 8:59 p.m. Thursday
2197	0.6	117	9:00 p.m. Thursday - 9:59 p.m. Thursday
1838	0.5	118	10:00 p.m. Thursday - 10:59 p.m. Thursday
1439	0.4	119	11:00 p.m. Thursday - 11:59 p.m. Thursday
1090	0.3	120	12:00 a.m. Friday - 12:59 a.m. Friday
962	0.2	121	1:00 a.m. Friday - 1:59 a.m. Friday
996	0.3	122	2:00 a.m. Friday - 2:59 a.m. Friday
623	0.2	123	3:00 a.m. Friday - 3:59 a.m. Friday
509	0.1	124	4:00 a.m. Friday - 4:59 a.m. Friday
989	0.2	125	5:00 a.m. Friday - 5:59 a.m. Friday
1787	0.4	126	6:00 a.m. Friday - 6:59 a.m. Friday
3151	0.8	127	7:00 a.m. Friday - 7:59 a.m. Friday
2903	0.7	128	8:00 a.m. Friday - 8:59 a.m. Friday
2203	0.6	129	9:00 a.m. Friday - 9:59 a.m. Friday
2350	0.6	130	10:00 a.m. Friday - 10:59 a.m. Friday
3115	0.8	131	11:00 a.m. Friday - 11:59 a.m. Friday
3815	1.0	132	12:00 noon Friday - 12:59 p.m. Friday
3609	0.9	133	1:00 p.m. Friday - 1:59 p.m. Friday

Variable 9: HOUR OF WEEK (Continued)

Census Prcnt	Code	Value and Description
4444	1.1	134 2:00 p.m. Friday - 2:59 p.m. Friday
5740	1.4	135 3:00 p.m. Friday - 3:59 p.m. Friday
5676	1.4	136 4:00 p.m. Friday - 4:59 p.m. Friday
5518	1.4	137 5:00 p.m. Friday - 5:59 p.m. Friday
4516	1.1	138 6:00 p.m. Friday - 6:59 p.m. Friday
3552	0.9	139 7:00 p.m. Friday - 7:59 p.m. Friday
2829	0.7	140 8:00 p.m. Friday - 8:59 p.m. Friday
2732	0.7	141 9:00 p.m. Friday - 9:59 p.m. Friday
2682	0.7	142 10:00 p.m. Friday - 10:59 p.m. Friday
2388	0.6	143 11:00 p.m. Friday - 11:59 p.m. Friday
1912	0.5	144 12:00 a.m. Saturday - 12:59 a.m. Saturday
1829	0.5	145 1:00 a.m. Saturday - 1:59 a.m. Saturday
1903	0.5	146 2:00 a.m. Saturday - 2:59 a.m. Saturday
1143	0.3	147 3:00 a.m. Saturday - 3:59 a.m. Saturday
806	0.2	148 4:00 a.m. Saturday - 4:59 a.m. Saturday
872	0.2	149 5:00 a.m. Saturday - 5:59 a.m. Saturday
1019	0.3	150 6:00 a.m. Saturday - 6:59 a.m. Saturday
1069	0.3	151 7:00 a.m. Saturday - 7:59 a.m. Saturday
1185	0.3	152 8:00 a.m. Saturday - 8:59 a.m. Saturday
1715	0.4	153 9:00 a.m. Saturday - 9:59 a.m. Saturday
2394	0.6	154 10:00 a.m. Saturday - 10:59 a.m. Saturday
3045	0.8	155 11:00 a.m. Saturday - 11:59 a.m. Saturday
3524	0.9	156 12:00 noon Saturday - 12:59 p.m. Saturday
3319	0.8	157 1:00 p.m. Saturday - 1:59 p.m. Saturday
3289	0.8	158 2:00 p.m. Saturday - 2:59 p.m. Saturday
3338	0.8	159 3:00 p.m. Saturday - 3:59 p.m. Saturday
3259	0.8	160 4:00 p.m. Saturday - 4:59 p.m. Saturday
3014	0.8	161 5:00 p.m. Saturday - 5:59 p.m. Saturday
3223	0.8	162 6:00 p.m. Saturday - 6:59 p.m. Saturday
3129	0.8	163 7:00 p.m. Saturday - 7:59 p.m. Saturday
2721	0.7	164 8:00 p.m. Saturday - 8:59 p.m. Saturday
2602	0.7	165 9:00 p.m. Saturday - 9:59 p.m. Saturday
2469	0.6	166 10:00 p.m. Saturday - 10:59 p.m. Saturday
2527	0.6	167 11:00 p.m. Saturday - 11:59 p.m. Saturday
5105	1.3	999 Missing data

 Variable 10 COUNTY Width: 2 Type: Numeric
 ----- Dec: None Miss: 84

COUNTY (STATE POLICE CODING)

Census Prcnt	Code	Value and Description
2	0.0	0
725	0.2	1 Alcona
489	0.1	2 Alger
3659	0.9	3 Allegan
1345	0.3	4 Alpena
981	0.2	5 Antrim
1050	0.3	6 Arenac

Variable 10:COUNTY (Continued)

Census	Prcnt	Code	Value and Description
537	0.1	7	Baraga
2410	0.6	8	Barry
3914	1.0	9	Bay
618	0.2	10	Benzie
6444	1.6	11	Berrien
1998	0.5	12	Branch
6461	1.6	13	Calhoun
2062	0.5	14	Cass
1271	0.3	15	Charlevoix
1011	0.3	16	Cheboygan
1562	0.4	17	Chippewa
1639	0.4	18	Clare
2405	0.6	19	Clinton
699	0.2	20	Crawford
2265	0.6	21	Delta
1649	0.4	22	Dickinson
3982	1.0	23	Eaton
1550	0.4	24	Emmet
15658	3.9	25	Genesee
988	0.2	26	Gladwin
603	0.2	27	Gogebic
3631	0.9	28	Grand Traverse
1754	0.4	29	Gratiot
2136	0.5	30	Hillsdale
1417	0.4	31	Houghton
1797	0.5	32	Huron
11624	2.9	33	Ingham
2549	0.6	34	Ionia
1275	0.3	35	Iosco
987	0.2	36	Iron
2725	0.7	37	Isabella
6823	1.7	38	Jackson
10074	2.5	39	Kalamazoo
789	0.2	40	Kalkaska
22245	5.6	41	Kent
80	0.0	42	Keweenaw
576	0.1	43	Lake
3404	0.9	44	Lapeer
686	0.2	45	Leelanau
3688	0.9	46	Lenawee
5152	1.3	47	Livingston
320	0.1	48	Luce
803	0.2	49	Mackinac
26590	6.7	50	Macomb
922	0.2	51	Manistee
2917	0.7	52	Marquette
1547	0.4	53	Mason
2580	0.6	54	Mecosta
1787	0.4	55	Menominee
2902	0.7	56	Midland
728	0.2	57	Missaukee
4713	1.2	58	Monroe

Variable 10:COUNTY (Continued)

Census	Prcnt	Code	Value and Description
2965	0.7	59	Montcalm
504	0.1	60	Montmorency
6234	1.6	61	Muskegon
1970	0.5	62	Newaygo
45140	11.3	63	Oakland
1051	0.3	64	Oceana
1249	0.3	65	Ogemaw
674	0.2	66	Ontonagon
1380	0.3	67	Osceola
494	0.1	68	Oscoda
981	0.2	69	Otsego
7219	1.8	70	Ottawa
668	0.2	71	Presque Isle
1162	0.3	72	Roscommon
8895	2.2	73	Saginaw
1880	0.5	74	Sanilac
532	0.1	75	Schoolcraft
2361	0.6	76	Shiawassee
5373	1.3	77	St. Clair
2444	0.6	78	St. Joseph
2162	0.5	79	Tuscola
2954	0.7	80	Van Buren
12000	3.0	81	Washtenaw
88580	22.3	82	Wayne
1729	0.4	83	Wexford
188	0.0	84	Uncoded & errors
8	0.0	88	
5	0.0	89	
1	0.0	90	
1	0.0	91	
2	0.0	93	
1	0.0	95	
1	0.0	98	
44	0.0	99	Nonnumeric data

Variable 11 CITY OR TOWNSHIP Width: 2 Type: Numeric

 Dec: None Miss: 0

Use in conjunction with V12.

Census	Prcnt	Code	Value and Description
285	0.1	0	Uncoded & errors
11721	2.9	1	
		-	City or township code (by county)
49971	12.6	99	Nonnumeric data

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Variable 16 CONTROL SECTION MLPT Width: 4 Type: Numeric
----- Dec: 2 Miss: None

Census Prcnt Code Value and Description

22098	5.6	0.00
532	0.1	0.01
344	0.1	0.02
234	0.1	0.03
240	0.1	0.04
123	0.0	0.05
270	0.1	0.06
193	0.0	0.07
233	0.1	0.08
277	0.1	0.09

Variable 17 LOCATION FLAG Width: 1 Type: Numeric
----- Dec: None Miss: 9

Census Prcnt Code Value and Description

0	0.0	0	Location not yet attempted
376863	94.7	1	Successfully located
329	0.1	2	Could not automatically locate in MALI indexes
0	0.0	3	This crash will be recycled through MALI due to index change
11150	2.8	4	Could not locate even after attempting a manual correction
9708	2.4	9	Missing location data, nonnumeric data

Variable 18 LOCATION ERROR Width: 2 Type: Numeric
----- Dec: None Miss: None

Census Prcnt Code Value and Description

377088	94.7	0	None
251	0.1	1	Invalid county
187	0.0	2	Invalid city/township
6160	1.5	3	PR not found in county/city given
6066	1.5	4	Intersecting street not found in co/city given
3139	0.8	5	Streets do not intersect in co/city given
1061	0.3	6	Location matches more than one site
673	0.2	7	Direction to/from intersecting st. is improper
43	0.0	8	Distance to/from intersecting st. is improper
103	0.0	9	Direction used on ramp is not ER or BR
3279	0.8	99	Other reason than 0109, nonnumeric data

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```
-----
Variable 19  ORIG DIRECTION          Width: 2      Type: Numeric
-----          -----          Dec:  None   Miss: 99
```

DIRECTION OFFICER ORIGINALLY GAVE TO NEAREST INTERSECTING STREET

Census Prcnt	Code	Value and Description
1326	0.3	1 (BR) Begin Ramp
71635	18.0	2 (E) East
2691	0.7	3 (ER) End Ramp
77590	19.5	4 (N) North
13842	3.5	5 (NE) Northeast
13018	3.3	6 (NW) Northwest
69612	17.5	7 (S) South
13626	3.4	8 (SE) Southeast
12584	3.2	9 (SW) Southwest
50424	12.7	10 (X) At intersection
65125	16.4	11 (W) West
6577	1.7	99 (Space) Uncoded & errors

```
-----
Variable 20  NUMBER OF TRAFFIC LANES      Width: 2      Type: Numeric
-----          -----          Dec:  None   Miss: 99
```

Census Prcnt	Code	Value and Description
1711	0.4	0 Crash occurred on other than a roadway
12965	3.3	1 One Lane
217461	54.6	2 Two lanes
37496	9.4	3 Three lanes
64911	16.3	4 Four lanes
46012	11.6	5 Five lanes
5809	1.5	6 Six lanes
4205	1.1	7 Seven lanes
863	0.2	8 Eight lanes
423	0.1	9 Nine lanes
6194	1.6	99 Uncoded & errors, nonnumeric data

```
-----
Variable 21  RELATIONSHIP TO ROADWAY      Width: 1      Type: Numeric
-----          -----          Dec:  None   Miss: 0
```

Census Prcnt	Code	Value and Description
2037	0.5	0 Uncoded & errors
342592	86.1	1 On the road
2363	0.6	2 In the median
16420	4.1	3 On the shoulder
28358	7.1	4 Outside of the shoulder/curb-line
629	0.2	5 In the gore (area between ramp and Xway convergence)
5651	1.4	6 Unknown relationship

```
-----
Variable 22  AREA OF ROAD AT CRASH          Width: 2      Type: Numeric
-----
                               Dec:  None      Miss:  0
```

```
Census Prcnt  Code Value and Description

On Expressway
12738  3.2  0  Uncoded & errors
10533  2.6  1  Entrance/exit ramp related
   801  0.2  2  Median crossing related
  4130  1.0  3  Transition area
   315  0.1  4  Rest area related
   427  0.1  5  Scale/weigh station related
24446  6.1  6  All other freeway areas

Related to or within 150' of an intersection
93978  23.6  7  Within intersection
29793  7.5  8  Driveway related/150'
33826  8.5  9  Other intersect related

Other area
135267  34.0  10  Straight road unrelated others
13027  3.3  11  Curved road unrelated others
16547  4.2  12  Driveway related
  9247  2.3  13  Parking related
  2420  0.6  14  Transition area
 1687  0.4  15  Median crossing related
   766  0.2  16  Rail crossing related
   343  0.1  17  Rest area
   234  0.1  18  Scale/weigh station related
 1990  0.5  19  Nontraffic area
 5233  1.3  20  Other
   302  0.1  21  Unknown
```

```
-----
Variable 23  ROAD CONDITIONS          Width: 1      Type: Numeric
-----
                               Dec:  None      Miss:  0
```

```
Census Prcnt  Code Value and Description

6995  1.8  0  Uncoded & errors
263565  66.2  1  Dry
68003  17.1  2  Wet
27004  6.8  3  Icy
25020  6.3  4  Snowy
   588  0.1  5  Muddy
  4285  1.1  6  Slushy
   237  0.1  7  Debris
 2353  0.6  8  Other
```

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Variable 24 SPEED LIMIT AT CRASHSITE Width: 2 Type: Numeric

Dec: None Miss: 99

Census Prcnt Code Value and Description

762	0.2	0	Stopped
212	0.1	5	5 miles per hour
504	0.1	10	10 miles per hour
1	0.0	14	
1937	0.5	15	15 miles per hour
1	0.0	16	
590	0.1	20	20 miles per hour
1	0.0	22	
5	0.0	24	
78553	19.7	25	25 miles per hour
2	0.0	26	
28685	7.2	30	30 miles per hour
4	0.0	34	
55160	13.9	35	35 miles per hour
29481	7.4	40	40 miles per hour
8	0.0	44	
53044	13.3	45	45 miles per hour
2	0.0	46	
12745	3.2	50	50 miles per hour
2	0.0	54	
109997	27.6	55	55 miles per hour
19	0.0	60	60 miles per hour
12172	3.1	65	65 miles per hour
14163	3.6	99	Uncoded & errors

Variable 25 POSTED SPEED LIMIT Width: 1 Type: Numeric

Dec: None Miss: 0

Census Prcnt Code Value and Description

31858	8.0	0	Uncoded & errors
275088	69.1	1	Yes
91104	22.9	2	No

Variable 26 TRAFFIC CONTROL Width: 1 Type: Numeric

Dec: None Miss: 0

Census Prcnt Code Value and Description

48195	12.1	0	Uncoded & errors
76393	19.2	1	Signal
45791	11.5	2	Stop Sign
3904	1.0	3	Yield Sign
223767	56.2	4	None
0	0.0	9	Nonnumeric data

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Variable 27 CONSTRUCTION TYPE Width: 1 Type: Numeric
----- Dec: None Miss: 0

Census Prcnt Code Value and Description

392058 98.5 0 Uncoded & errors
 5392 1.4 1 Construction/Maintenance
 600 0.2 2 Utility

Variable 28 CONSTRUCTION LANE CLOSED Width: 1 Type: Numeric
----- Dec: None Miss: 0

Census Prcnt Code Value and Description

386359 97.1 0 Uncoded & errors
 3429 0.9 1 Yes
 8262 2.1 2 No

Variable 29 CONSTRUCTION ACTIVITY Width: 1 Type: Numeric
----- Dec: None Miss: 0

Census Prcnt Code Value and Description

378614 95.1 0 Uncoded & errors
 10224 2.6 1 On road
 1342 0.3 2 Off road
 7870 2.0 3 None

Variable 30 WEATHER Width: 1 Type: Numeric
----- Dec: None Miss: 0

Census Prcnt Code Value and Description

 3841 1.0 0 Uncoded & errors
 214443 53.9 1 Clear
 106186 26.7 2 Cloudy
 2961 0.7 3 Fog/smoke
 37671 9.5 4 Rain
 28383 7.1 5 Snow/blowing snow
 329 0.1 6 Severe wind
 1903 0.5 7 Sleet/hail
 2333 0.6 8 Other

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```
-----
Variable 31      LIGHT                               Width: 1      Type: Numeric
-----
Dec:            None       Miss: 0
```

```
Census Prcnt   Code Value and Description
```

```
  3329    0.8    0  Uncoded & errors
247391  62.2    1  Daylight
  11183    2.8    2  Dawn
  13502    3.4    3  Dusk
  53686   13.5    4  Dark lighted
  67413   16.9    5  Dark unlighted
  1546    0.4    6  Other
```

```
-----
Variable 32      HOW CRASH TOOK PLACE                       Width: 2      Type: Numeric
-----
Dec:            None       Miss: 0
```

```
Census Prcnt   Code Value and Description
```

```
  7724    1.9    0  Uncoded & errors
109680  27.6    1  Single vehicle
  10789    2.7    2  Head on
  13787    3.5    3  Head on left
  83754   21.0    4  Angle
  94843   23.8    5  Rear end
  4716    1.2    6  Rear end left
  3081    0.8    7  Rear end right
  33592    8.4    8  Sideswipe same direction
  13012    3.3    9  Sideswipe opposite direction
  23072    5.8   10  Other
```

```
-----
Variable 33      CRASH INVESTGTD AT SCENE                   Width: 1      Type: Numeric
-----
Dec:            None       Miss: 0
```

CRASH WAS INVESTIGATED AT THE SCENE

```
Census Prcnt   Code Value and Description
```

```
  14135    3.6    0  Uncoded & errors
274135  68.9    1  Yes
109780  27.6    2  No
    0    0.0    9  Nonnumeric data
```

```
-----
Variable 34      COMPLAINT STATUS                           Width: 1      Type: Numeric
-----
Dec:            None       Miss: 0
```

```
Census Prcnt   Code Value and Description
```

```
  76735   19.3    0  Uncoded & errors
  12888    3.2    1  Closed
308427   77.5    2  Open
```

Variable 34: COMPLAINT STATUS (Continued)

Census Prcnt	Code	Value and Description
0 0.0	9	Nonnumeric data

Variable 35 PUBLIC PROPERTY DAMAGED Width: 1 Type: Numeric
----- Dec: None Miss: 0

Census Prcnt	Code	Value and Description
363953 91.4	0	Uncoded & errors
19831 5.0	1	Yes
14266 3.6	2	No
0 0.0	9	Nonnumeric data

Variable 36 FLAG: NO SPECIAL CIRCUMS Width: 1 Type: Numeric
----- Dec: None Miss: 0

FLAG: NO SPECIAL CIRCUMSTANCES IN CRASH

Census Prcnt	Code	Value and Description
131341 33.0	0	Uncoded & errors
266709 67.0	1	Yes
0 0.0	9	Nonnumeric data

Variable 37 FLAG: DEER INVOLV/ASSOC Width: 1 Type: Numeric
----- Dec: None Miss: 0

FLAG: DEER WAS INVOLVED OR ASSOCIATED WITH CRASH

Census Prcnt	Code	Value and Description
341384 85.8	0	Uncoded & errors
56666 14.2	1	Yes
0 0.0	9	Nonnumeric data

Variable 38 FLAG: SCHOOL BUS INV/ASC Width: 1 Type: Numeric
----- Dec: None Miss: 0

FLAG: SCHOOL BUS WAS INVOLVED OR ASSOCIATED WITH CRASH

Census Prcnt	Code	Value and Description
396471 99.6	0	Uncoded & errors
1579 0.4	1	Yes
0 0.0	9	Nonnumeric data

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Variable 39 FLAG: HIT AND RUN Width: 1 Type: Numeric
----- ----- Dec: None Miss: 0

Census Prcnt Code Value and Description

359510 90.3 0 Uncoded & errors
 38540 9.7 1 Yes
 0 0.0 9 Nonnumeric data

Variable 40 FLAG: FLEEING /PURSUING Width: 1 Type: Numeric
----- ----- Dec: None Miss: 0

FLAG: VEHICLE FLEEING PURSUIT OR IN PURSUIT

Census Prcnt Code Value and Description

396858 99.7 0 Uncoded & errors
 1192 0.3 1 Yes
 0 0.0 9 Nonnumeric data

Variable 41 FLAG: SPECIAL LOCAL STDY Width: 1 Type: Numeric
----- ----- Dec: None Miss: 0

FLAG: CRASH IS USED IN A SPECIAL LOCAL STUDY

Census Prcnt Code Value and Description

389895 98.0 0 Uncoded & errors
 8155 2.0 1 Yes
 0 0.0 9 Nonnumeric data

Variable 42 FLAG: SPECIAL STATE STDY Width: 1 Type: Numeric
----- ----- Dec: None Miss: 0

FLAG: CRASH IS USED IN A SPECIAL STATE STUDY

Census Prcnt Code Value and Description

396412 99.6 0 Uncoded & errors
 1638 0.4 1 Yes
 0 0.0 9 Nonnumeric data


```
-----
Variable 43   TRAFFIC UNIT MIX           Width: 2      Type: Numeric
-----
                   Dec:  None      Miss: 0
```

This variable, generated by UMTRI, describes the accident by the types of vehicles involved. Pedestrians and pedalcyclists are handled as traffic units.

Census Prcnt	Code Value and Description
145100	36.5 1 Single traffic unit
124065	31.2 2 Car - car
74583	18.7 3 Car - truck
1138	0.3 4 Car - motorcycle, moped
1162	0.3 5 Car - other
881	0.2 6 Car - pedestrian, pedalcyclist
14021	3.5 7 Truck - truck
330	0.1 8 Truck - motorcycle
463	0.1 9 Truck - other
226	0.1 10 Truck - pedestrian, pedalcyclist
45	0.0 11 Motorcycle - motorcycle
14	0.0 12 Motorcycle - other
9	0.0 13 Motorcycle - pedestrian, pedalcyclist
58	0.0 14 Other - other
1	0.0 15 Other - pedestrian, pedalcyclist
19903	5.0 16 Three or more traffic units
16051	4.0 99 Missing data

```
-----
Variable 44   FLAG: PROPERTY DAMAGE           Width: 1      Type: Numeric
-----
                   Dec:  None      Miss: 0
```

Census Prcnt	Code Value and Description
98958	24.9 0 Uncoded & errors
299092	75.1 1 This is a P.D. only crash (no injuries or deaths)

```
-----
Variable 45   FLAG: DRINKING OPERATOR       Width: 1      Type: Numeric
-----
                   Dec:  None      Miss: 0
```

Census Prcnt	Code Value and Description
374101	94.0 0 Uncoded & errors
23949	6.0 1 This crash involved a drinking driver/pedestrian/bicyclist

```
-----
Variable 46   FLAG: TRUCK OR BUS           Width: 1      Type: Numeric
-----
                   Dec:  None      Miss: 0
```

Census Prcnt	Code Value and Description
379516	95.3 0 Uncoded & errors
18534	4.7 1 This crash involved a truck or bus

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```
-----
Variable 47  FLAG: SNOWMOBILE          Width: 1      Type: Numeric
-----
                          Dec:  None      Miss: 0
```

```
Census Prcnt  Code Value and Description

397640  99.9  0  Uncoded & errors
   410   0.1  1  This crash involved a snowmobile
```

```
-----
Variable 48  FLAG: EMERGENCY VEHICLE          Width: 1      Type: Numeric
-----
                          Dec:  None      Miss: 0
```

```
Census Prcnt  Code Value and Description

393741  98.9  0  Uncoded & errors
   4309  1.1  1  This crash involved a police/fire/ambulance vehicle
```

```
-----
Variable 49  FLAG: ORV INVOLVED              Width: 1      Type: Numeric
-----
                          Dec:  None      Miss: 0
```

```
Census Prcnt  Code Value and Description

397806  99.9  0  Uncoded & errors
   244   0.1  1  This crash involved an Off Road Vehicle
```

```
-----
Variable 50  FLAG: PEDESTRIAN                Width: 1      Type: Numeric
-----
                          Dec:  None      Miss: 0
```

```
Census Prcnt  Code Value and Description

394238  99.0  0  Uncoded & errors
   3812  1.0  1  This crash involved a pedestrian
```

```
-----
Variable 51  FLAG: PED REC PRESENT           Width: 1      Type: Numeric
-----
                          Dec:  None      Miss: 9
```

AT LEAST ONE OF THE CRASH OCCUPANTS CODED PEDESTRIAN

```
Census Prcnt  Code Value and Description

   7098  1.8  1  Pedestrian record present
390952  98.2  2  No pedestrian record for crash
```

```
-----
Variable 52  FLAG: NONTRAFFIC CRASH      Width: 1      Type: Numeric
-----
                          Dec:  None      Miss: 0
```

```
Census Prcnt  Code Value and Description
398050 100.0  0  Uncoded & errors
      0  0.0  1  This was a nontraffic crash
```

```
-----
Variable 53  FLAG: BICYCLIST                          Width: 1      Type: Numeric
-----
                          Dec:  None      Miss: 0
```

```
Census Prcnt  Code Value and Description
394759  99.2  0  Uncoded & errors
  3291  0.8  1  This crash involved a bicyclist
```

```
-----
Variable 54  FLAG: FARM EQUIPMENT                     Width: 1      Type: Numeric
-----
                          Dec:  None      Miss: 0
```

```
Census Prcnt  Code Value and Description
397713  99.9  0  Uncoded & errors
   337  0.1  1  This crash involved any farm equipment
```

```
-----
Variable 55  FLAG: TRAIN ACCIDENT                     Width: 1      Type: Numeric
-----
                          Dec:  None      Miss: 0
```

```
Census Prcnt  Code Value and Description
397911 100.0  0  Uncoded & errors
   139  0.0  1  Engineer record found
```

```
-----
Variable 56  NUMBER TRUCK SUPPL FORMS                Width: 3      Type: Numeric
-----
                          Dec:  None      Miss: None
```

NUMBER OF TRUCK SUPPLEMENT FORMS FOUND FOR CRASH

```
Census Prcnt  Code Value and Description
381638  95.9  0  None
  16038   4.0  1  One form
    362   0.1  2  Two forms
     9   0.0  3  Three forms
     3   0.0  4  Four forms
```

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Variable 57	FLAG: INJURY CRASH	Width: 1	Type: Numeric
-----		Dec: None	Miss: 0

Census Prcnt	Code Value and Description
--------------	----------------------------

300354	75.5	0	Uncoded & errors
97696	24.5	1	This is an injury crash (injuries but no deaths)

Variable 58	FLAG: FATAL CRASH	Width: 1	Type: Numeric
-----		Dec: None	Miss: 0

Census Prcnt	Code Value and Description
--------------	----------------------------

396788	99.7	0	Uncoded & errors
1262	0.3	1	This is a fatal crash (one or more deaths)

Variable 59	TOTAL UNITS REPORTED	Width: 2	Type: Numeric
-----		Dec: None	Miss: None

Census Prcnt	Code Value and Description
--------------	----------------------------

116635	29.3	1	One unit
258877	65.0	2	Two units
18929	4.8	3	Three units
2826	0.7	4	Four units
580	0.1	5	Five units
106	0.0	6	Six units
49	0.0	7	Seven units
23	0.0	8	Eight units
25	0.0	9	Nine units

Variable 60	TOTAL NONPARKED UNITS	Width: 2	Type: Numeric
-----		Dec: None	Miss: None

Census Prcnt	Code Value and Description
--------------	----------------------------

632	0.2	0	None
144671	36.3	1	One unit
233795	58.7	2	Two units
16251	4.1	3	Three units
2214	0.6	4	Four units
378	0.1	5	Five units
76	0.0	6	Six units
18	0.0	7	Seven units
10	0.0	8	Eight units
5	0.0	9	Nine units

Variable 61 TOTAL UNITS PROCESSED Width: 1 Type: Numeric

Dec: None Miss: None

Census Prcnt Code Value and Description

41177	10.3	1
54486	13.7	2
56345	14.2	3
59926	15.1	4
60997	15.3	5
68983	17.3	6
56136	14.1	7

Variable 62 NUMBER INJURED IN CRASH Width: 2 Type: Numeric

Dec: None Miss: None

Census Prcnt Code Value and Description

299698	75.3	0	None
68395	17.2	1	One injured
20559	5.2	2	Two injured
6387	1.6	3	Three injured
2061	0.5	4	Four injured
622	0.2	5	Five injured
212	0.1	6	Six injured
74	0.0	7	Seven injured
24	0.0	8	Eight injured
		-	
1	0.0	14	Fourteen injured

Variable 63 NUMBER FATAL IN CRASH Width: 2 Type: Numeric

Dec: None Miss: None

Census Prcnt Code Value and Description

396788	99.7	0	None
1131	0.3	1	One killed
116	0.0	2	Two killed
8	0.0	3	Three killed
5	0.0	4	Four killed
1	0.0	5	Five killed
1	0.0	7	Seven killed

Variable 64 WORST INJURY IN ACCIDENT Width: 1 Type: Numeric

Dec: None Miss: 9

Census Prcnt Code Value and Description

1262	0.3	1	Fatal
13500	3.4	2	A - incapacitating injury
25612	6.4	3	B - nonincapacitating injury

Variable 64:WORST INJURY IN ACCIDENT (Continued)

Census	Prcnt	Code	Value and Description
58584	14.7	4	C - possible injury
299092	75.1	5	No injury
0	0.0	9	Missing data

Variable 65 TOTAL KILLED IN ACC Width: 2 Type: Numeric

Dec: None Miss: 99

Census	Prcnt	Code	Value and Description
396788	99.7	0	0 killed
1131	0.3	1	1 killed
116	0.0	2	2 killed
8	0.0	3	3 killed
5	0.0	4	4 killed
1	0.0	5	5 killed
1	0.0	7	7 killed

Variable 66 TOTAL A-INJURED IN ACC Width: 2 Type: Numeric

Dec: None Miss: 99

Census	Prcnt	Code	Value and Description
384157	96.5	0	0 A-injured
10889	2.7	1	1 A-injured
2191	0.6	2	2 A-injured
584	0.1	3	3 A-injured
158	0.0	4	4 A-injured
43	0.0	5	5 A-injured
21	0.0	6	6 A-injured
6	0.0	7	7 A-injured
1	0.0	9	9 A-injured

Variable 67 TOTAL B-INJURED IN ACC Width: 2 Type: Numeric

Dec: None Miss: 99

Census	Prcnt	Code	Value and Description
369914	92.9	0	0 B-injured
23063	5.8	1	1 B-injured
3891	1.0	2	2 B-injured
881	0.2	3	3 B-injured
213	0.1	4	4 B-injured
62	0.0	5	5 B-injured
19	0.0	6	6 B-injured
5	0.0	7	7 B-injured
1	0.0	8	8 B-injured

Variable 67:TOTAL B-INJURED IN ACC (Continued)

Census Prcnt	Code	Value	Description
1	0.0	11	11 B-injured

Variable 68 TOTAL C-INJURED IN ACC Width: 2 Type: Numeric

Dec: None Miss: 99

Census Prcnt	Code	Value	Description
330105	82.9	0	0 C-injured
51749	13.0	1	1 C-injured
12338	3.1	2	2 C-injured
2922	0.7	3	3 C-injured
682	0.2	4	4 C-injured
173	0.0	5	5 C-injured
54	0.0	6	6 C-injured
12	0.0	7	7 C-injured
8	0.0	8	8 C-injured
1	0.0	9	9 C-injured
1	0.0	10	10 C-injured
2	0.0	11	11 C-injured
3	0.0	13	13 C-injured

Variable 69 TOTAL INJURED IN ACC Width: 2 Type: Numeric

Dec: None Miss: 99

Census Prcnt	Code	Value	Description
299698	75.3	0	0 injured
68394	17.2	1	1 injured
20560	5.2	2	2 injured
6387	1.6	3	3 injured
2061	0.5	4	4 injured
622	0.2	5	5 injured
212	0.1	6	6 injured
74	0.0	7	7 injured
24	0.0	8	8 injured
7	0.0	9	9 injured
2	0.0	10	10 injured
5	0.0	11	11 injured
1	0.0	12	12 injured
2	0.0	13	13 injured
1	0.0	14	14 injured

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```
-----
Variable 70      TOTAL CASUALTIES IN ACC      Width: 2      Type: Numeric
-----
Dec:      None      Miss: 99
```

TOTAL KILLED (v77) plus TOTAL INJURED (v81).

Census Prcnt	Code	Value	Description
299092	75.1	0	0 casualties
68643	17.2	1	1 casualty
20694	5.2	2	2 casualties
6495	1.6	3	3 casualties
2122	0.5	4	4 casualties
649	0.2	5	5 casualties
219	0.1	6	6 casualties
80	0.0	7	7 casualties
36	0.0	8	8 casualties
9	0.0	9	9 casualties
2	0.0	10	10 casualties
5	0.0	11	11 casualties
3	0.0	13	13 casualties
1	0.0	14	14 casualties

```
-----
Variable 71      TOTAL UNINJURED IN ACC      Width: 2      Type: Numeric
-----
Dec:      None      Miss: 99
```

TOTAL UNINJURED OCCUPANT RECORDS PRESENT FOR CRASH

Census Prcnt	Code	Value	Description
30611	7.7	0	0 persons
148675	37.4	1	1 person
206169	51.8	2	2 persons
11044	2.8	3	3 persons
1301	0.3	4	4 persons
184	0.0	5	5 persons
47	0.0	6	6 persons
8	0.0	7	7 persons
7	0.0	8	8 persons
4	0.0	9	9 persons

The VEHICLE Variables

Variables 100 through 159 describe the traffic units (motor vehicles, pedestrians, pedalcyclists, parked cars, etc.) involved in the accident. They are included in all Vehicle and Occupant data sets.

Variable 100 UNIT NUMBER Width: 2 Type: Numeric
----- Dec: None Miss: 0

Census Prcnt Code Value and Description

	0	0.0	0	Uncoded & errors
398050	56.6		1	One unit
279895	39.8		2	Two units
21066	3.0		3	Three units
3083	0.4		4	Four units
574	0.1		5	Five units
137	0.0		6	Six units
43	0.0		7	Seven units
19	0.0		8	Eight units
7	0.0		9	Nine units
0	0.0		10	Ten units

Variable 101 VEHICLE TYPE Width: 2 Type: Numeric
----- Dec: None Miss: 0

Census Prcnt Code Value and Description

	27720	3.9	0	Uncoded & errors
500797	71.2		1	Passenger & station wagon (PA)
46996	6.7		2	Van, motorhome (VA)
92373	13.1		3	Pickup (PU)
8544	1.2		4	Truck under 10,000 lbs. (ST)
3141	0.4		5	Cycle (CY)
381	0.1		6	Moped (MO)
10	0.0		7	Go-cart (GC)
460	0.1		8	Snowmobile (SM)
253	0.0		9	Off Road Vehicle-ORV/All Terrain Vehicle-ATV (OR)
3054	0.4		10	Other
19145	2.7		11	CDL truck/Bus involved

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```
-----
Variable 102   CDL TRUCK TYPE                Width: 2      Type: Numeric
-----
Dec:   None   Miss: 0
```

CDL TRUCK TYPE FROM TRUCK SUPPLEMENT DATA

Census Prcnt Code Value and Description

2063 0.3 0 Uncoded & errors

Group "A" is any vehicle which is towing a vehicle or trailer that has a gross vehicle weight rating (GVWR) over 10,000 lbs.

7261	1.0	1	Commercial truck AA (Group A vehicle)
213	0.0	2	Commercial truck AH (Group A vehicle, Hazardous)
211	0.0	3	Commercial truck AN (Group A vehicle, Tank)
94	0.0	4	Commercial truck AP (Group A vehicle, Passenger)
739	0.1	5	Commercial truck AT (Group A vehicle, Double/Triple)
230	0.0	6	Commercial truck AX (Group A vehicle, Tank & Hazardous)
40	0.0	7	Commercial truck AY (Group A vehicle, Tank & Double/Triple)
35	0.0	8	Commercial truck AZ (Group A vehicle, Hazardous, Double/Triple)
39	0.0	9	Commercial truck AL (Group A vehicle, Hazardous tank, Double/Triple)

Group "B" is any single vehicle (including buses) with a GVWR of 26,001 lbs. or more. This would include a combination of vehicles with a combined GVWR over 26,000 lbs. when towing a trailer that has a GVWR of 10,000 lbs. or less.

2998	0.4	10	Commercial truck BB (Group B)
48	0.0	11	Commercial truck BH (Group B, Hazardous)
125	0.0	12	Commercial truck BN (Group B, Tank)
1211	0.2	13	Commercial truck BP (Group B, Passenger)
81	0.0	14	Commercial truck BX (Group B, Tank & Hazardous)

Group "C" is any single vehicle with a GVWR of less than 26,001 lbs. or a combination of vehicles having a combined GVWR under 26,001 lbs. when the vehicle is required to display placards for hazardous material or designed to carry 16 passengers (including driver). Group "C" is also any vehicle carrying 15 or less people (including driver) transporting children to or from school and home on a regular basis for compensation.

50	0.0	15	Commercial truck CH (Group C, Hazardous)
443	0.1	16	Commercial truck CP (Group C, Passenger)
33	0.0	17	Commercial truck CX (Group C, Tank & Hazardous)
887	0.1	18	Other
686073	97.6	98	Non-CDL vehicle, no truck supplement data
0	0.0	99	Nonnumeric data

```
-----  
Variable 103  CDL TRUCK BODY STYLE          Width: 2      Type: Numeric  
-----  
Dec:  None      Miss: 0
```

CDL TRUCK BODY STYLE FROM TRUCK SUPPLEMENT DATA

Census Prcnt	Code	Value and Description
5721 0.8	0	Uncoded & errors
5345 0.8	1	Van/enclosed box
585 0.1	2	Cargo tank
1588 0.2	3	Flatbed/platform
1396 0.2	4	Dump
101 0.0	5	Concrete mixer
175 0.0	6	Auto transporter
391 0.1	7	Garbage/refuse
1499 0.2	8	Other/unknown
686073 97.6	98	Non-CDL vehicle, no truck supplement data
0 0.0	99	Nonnumeric data

```
-----  
Variable 104  SPECIAL VEHICLE                Width: 1      Type: Numeric  
-----  
Dec:  None      Miss: 0
```

Census Prcnt	Code	Value and Description
694570 98.8	0	Uncoded & errors
3413 0.5	1	Police
582 0.1	2	Fire
1773 0.3	3	Bus
492 0.1	4	Ambulance
339 0.0	5	Farm
1705 0.2	6	Construction

```
-----  
Variable 105  VEHICLE USE                Width: 2      Type: Numeric  
-----  
Dec:  None      Miss: 0
```

Census Prcnt	Code	Value and Description
57951 8.2	0	Uncoded & errors
593432 84.4	1	Private
39789 5.7	2	Commercial
1011 0.1	3	Pursuit/emergency (in use)
568 0.1	4	Farm
1990 0.3	5	School/education
380 0.1	6	Club/church ("Y" tag)
116 0.0	7	Military vehicle
4083 0.6	8	Other government nonemergency vehicle
674 0.1	9	Utility
1120 0.2	10	Road construction/maintenance
1760 0.3	11	Other

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```
-----
Variable 106  VEHICLE DEFECT          Width: 1    Type: Numeric
-----          -----          Dec:  None  Miss: 0
```

Census Prcnt Code Value and Description

696126	99.0	0	Uncoded & errors
2713	0.4	1	Brakes
579	0.1	2	Lights/reflectors
365	0.1	3	Steering
923	0.1	4	Tires/wheels
399	0.1	5	Windows
1769	0.3	6	Other

```
-----
Variable 107  NONCOMM TRAILER CONFIG      Width: 1    Type: Numeric
-----          -----          Dec:  None  Miss: 0
```

Census Prcnt Code Value and Description

Noncommercial Trailer Configuration			
697844	99.3	0	Uncoded & errors
2061	0.3	1	Utility
372	0.1	2	House
577	0.1	3	Boat
286	0.0	4	Farm
330	0.0	5	Towed auto
113	0.0	6	Recreational double
1291	0.2	7	Other

```
-----
Variable 108  REGISTRATION STATE        Width: 2    Type: Numeric
-----          -----          Dec:  None  Miss: 99
```

UNCODED, ERRORS = 'MI' SANITIZED = SPACES

Census Prcnt Code Value and Description

222	0.0	1	Alabama
40	0.0	2	Alaska
93	0.0	3	Arizona
82	0.0	4	Arkansas
418	0.1	5	California
132	0.0	6	Colorado
48	0.0	7	Connecticut
22	0.0	8	Delaware
12	0.0	9	District of Columbia
1217	0.2	10	Florida
255	0.0	11	Georgia
7	0.0	12	Hawaii
31	0.0	13	Idaho
2961	0.4	14	Illinois
2695	0.4	15	Indiana
205	0.0	16	Iowa
67	0.0	17	Kansas

Variable 108:REGISTRATION STATE (Continued)

Census	Prcnt	Code	Value and Description
223	0.0	18	Kentucky
81	0.0	19	Louisiana
29	0.0	20	Maine
102	0.0	21	Maryland
91	0.0	22	Massachusetts
681910	97.0	23	Michigan
245	0.0	24	Minnesota
70	0.0	25	Mississippi
271	0.0	26	Missouri
34	0.0	27	Montana
96	0.0	28	Nebraska
26	0.0	29	Nevada
28	0.0	30	New Hampshire
165	0.0	31	New Jersey
37	0.0	32	New Mexico
375	0.1	33	New York
284	0.0	34	North Carolina
30	0.0	35	North Dakota
3929	0.6	36	Ohio
402	0.1	37	Oklahoma
73	0.0	38	Oregon
385	0.1	39	Pennsylvania
1	0.0	40	Puerto Rico
19	0.0	41	Rhode Island
104	0.0	42	South Carolina
60	0.0	43	South Dakota
526	0.1	44	Tennessee
524	0.1	45	Texas
30	0.0	46	Utah
14	0.0	47	Vermont
250	0.0	48	Virginia
61	0.0	49	Washington
64	0.0	50	West Virginia
1519	0.2	51	Wisconsin
23	0.0	52	Wyoming
41	0.0	53	Alberta
13	0.0	54	British Columbia
62	0.0	55	Manitoba
15	0.0	56	New Brunswick
1	0.0	57	Newfoundland
0	0.0	58	Northwest Territories
7	0.0	59	Nova Scotia
1731	0.2	60	Ontario
5	0.0	61	Prince Edward Island
38	0.0	62	Quebec
1	0.0	63	Saskatchewan
0	0.0	64	Yukon
0	0.0	65	Mexico
372	0.1	99	Sanitized, nonnumeric data

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```
-----
Variable 109  WORST IMPACT POINT          Width: 2      Type: Numeric
-----
                          Dec:   None      Miss: 99
```

Census Prcnt	Code	Value and Description
15971	2.3	0 None
180355	25.7	1 Front center
86985	12.4	2 Front corner, passenger side
45610	6.5	3 Side, passenger
33024	4.7	4 Rear corner, passenger side
92210	13.1	5 Rear center
33496	4.8	6 Rear corner, driver side
51712	7.4	7 Side, driver
91512	13.0	8 Front corner, driver side
4561	0.6	9 Undercarriage
11662	1.7	10 Multiple areas
5529	0.8	11 Other/unknown
7547	1.1	12 None
42700	6.1	99 Uncoded & errors, nonnumeric data

```
-----
Variable 110  EXTENT OF DAMAGE          Width: 1      Type: Numeric
-----
                          Dec:   None      Miss: 9
```

Census Prcnt	Code	Value and Description
36416	5.2	0 No damage
233442	33.2	1 Slight damage
180954	25.7	2 Slight damage
109363	15.6	3 Moderate damage
52268	7.4	4 Moderate damage
22711	3.2	5 Moderate damage
10211	1.5	6 Heavy damage
7497	1.1	7 Heavy damage, not repairable
50012	7.1	9 Uncoded & errors, nonnumeric data

```
-----
Variable 111  DRIVABLE AFTER CRASH      Width: 1      Type: Numeric
-----
                          Dec:   None      Miss: 0
```

Census Prcnt	Code	Value and Description
91206	13.0	0 Uncoded & errors
459563	65.4	1 Yes
152105	21.6	2 No

STATE OF MICHIGAN
1994 - Vehicle/Driver

```
-----
Variable 112  ACTION PRIOR TO CRASH      Width: 2      Type: Numeric
-----
Dec:      None      Miss: 0
```

Census Prcnt Code Value and Description

```

Driver/cyclist action
36547   5.2   0   Uncoded & errors
355264 50.5   1   Going straight
55520   7.9   2   Turning left
20180   2.9   3   Turning right
63649   9.1   4   Stopped on road
  1195   0.2   5   In prior crash
14962   2.1   6   Change lanes
18677   2.7   7   Backing
47848   6.8   8   Slowing/stopping on road
  1029   0.1   9   Slowing/stopping on other
11670   1.7  10   Starting up on road
   563   0.1  11   Starting up on other
  1209   0.2  12   Enter parking
  3381   0.5  13   Leave parking
10821   1.5  14   Enter road
  1818   0.3  15   Leave road
  1806   0.3  16   U-turn
  7138   1.0  17   Overtake/passing
  1978   0.3  18   Avoiding object
   216   0.0  19   Avoiding pedestrian
  5434   0.8  20   Avoid vehicle (front/back)
  2509   0.4  21   Avoid vehicle (angle)
   670   0.1  22   Driverless moving
30407   4.3  23   Parked

Pedestrian action
1215   0.2  24   Crossing at intersection
1381   0.2  25   Crossing not at intersection
  109   0.0  26   Getting on/off vehicle
  245   0.0  27   In road with traffic
  105   0.0  28   In road against traffic
  146   0.0  29   Stand/lay in road
   67   0.0  30   Push/work on vehicle
   49   0.0  31   Other work in road
  103   0.0  32   Playing in road
  250   0.0  33   Other reason in road
  235   0.0  34   Not in road

  923   0.1  35   Other
3555   0.5  36   Unknown
```

```
-----
Variable 113  DIRECTION OF TRAVEL      Width: 2      Type: Numeric
-----
Dec:      None      Miss: 0
```

Census Prcnt Code Value and Description

```

35676   5.1   0   Uncoded & errors
159797 22.7   1   East
```

Variable 113:DIRECTION OF TRAVEL (Continued)

Census	Prcnt	Code	Value and Description
167371	23.8	2	North
4155	0.6	3	Northeast
4958	0.7	4	Northwest
166464	23.7	5	South
4860	0.7	6	Southeast
3915	0.6	7	Southwest
155678	22.1	8	West
0	0.0	9	Unknown

Variable 114	HARMFUL EVENT #1	Width: 2	Type: Numeric
		Dec: None	Miss: 0

FIRST EVENT CAUSING INJURY OR PROPERTY DAMAGE

Census	Prcnt	Code	Value and Description
Noncollision Event			
49320	7.0	0	Uncoded & errors
43808	6.2	1	Loss of control
7045	1.0	2	Cross center/median
5174	0.7	3	Ran off road left
12146	1.7	4	Ran off road right
666	0.1	5	Re-enter road
824	0.1	6	Overturn
2405	0.3	7	Separation of units
1758	0.3	8	Fire/explosion
109	0.0	9	Immersion
535	0.1	10	Jackknife
268	0.0	11	Downhill runaway
1124	0.2	12	Cargo loss/shift
447	0.1	13	Individual fell off
6223	0.9	14	Other noncollision
Collision With Nonfixed Object			
3517	0.5	15	Pedestrian
3145	0.4	16	Pedalcycle
473790	67.4	17	Motor-vehicle in transport
21165	3.0	18	Parked vehicle
196	0.0	19	Railway train
52490	7.5	20	Animal
5753	0.8	21	Other nonfixed object
Collision With Fixed Object			
295	0.0	22	Bridge pier or abutment
651	0.1	23	Bridge parapet end
137	0.0	24	Bridge rail
543	0.1	25	Guardrail face
92	0.0	26	Guardrail end
549	0.1	27	Median barrier
587	0.1	28	Traffic sign post

Variable 114:HARMFUL EVENT #1 (Continued)

Census	Prcnt	Code	Value and Description
120	0.0	29	Signal post
200	0.0	30	Luminaire support
934	0.1	31	Utility pole
357	0.1	32	Other pole
78	0.0	33	Culvert
1676	0.2	34	Curb
619	0.1	35	Ditch
263	0.0	36	Embankment
378	0.1	37	Fence
474	0.1	38	Mailbox
1093	0.2	39	Tree
84	0.0	40	Rail crossing signal
332	0.0	41	Building
52	0.0	42	Traffic island
150	0.0	43	Fire hydrant
43	0.0	44	Impact attenuator/crash cushion
1259	0.2	45	Other fixed object
0	0.0	99	Nonnumeric data

```
-----
Variable 115   HARMFUL EVENT #2                Width: 2      Type: Numeric
-----
Dec:          None      Miss: 0
```

SECOND EVENT CAUSING INJURY OR PROPERTY DAMAGE

Census	Prcnt	Code	Value and Description
Noncollision Event			
604241	86.0	0	Uncoded & errors
5260	0.7	1	Loss of control
4707	0.7	2	Cross center/median
9210	1.3	3	Ran off road left
12983	1.8	4	Ran off road right
924	0.1	5	Re-enter road
2408	0.3	6	Overturn
912	0.1	7	Separation of units
174	0.0	8	Fire/explosion
23	0.0	9	Immersion
336	0.0	10	Jackknife
49	0.0	11	Downhill runaway
154	0.0	12	Cargo loss/shift
315	0.0	13	Individual fell off
596	0.1	14	Other noncollision
Collision With Nonfixed Object			
403	0.1	15	Pedestrian
158	0.0	16	Pedalcycle
28293	4.0	17	Motor-vehicle in transport
3273	0.5	18	Parked vehicle
31	0.0	19	Railway train
936	0.1	20	Animal

Variable 115:HARMFUL EVENT #2 (Continued)

Census	Prcnt	Code	Value and Description
985	0.1	21	Other nonfixed object
			Collision With Fixed Object
442	0.1	22	Bridge pier or abutment
77	0.0	23	Bridge parapet end
304	0.0	24	Bridge rail
1557	0.2	25	Guardrail face
279	0.0	26	Guardrail end
1611	0.2	27	Median barrier
1811	0.3	28	Traffic sign post
204	0.0	29	Signal post
366	0.1	30	Luminaire support
1978	0.3	31	Utility pole
751	0.1	32	Other pole
400	0.1	33	Culvert
3613	0.5	34	Curb
3439	0.5	35	Ditch
984	0.1	36	Embankment
913	0.1	37	Fence
1655	0.2	38	Mailbox
3712	0.5	39	Tree
40	0.0	40	Rail crossing signal
456	0.1	41	Building
63	0.0	42	Traffic island
289	0.0	43	Fire hydrant
42	0.0	44	Impact attenuator/crash cushion
1517	0.2	45	Other fixed object

-----	Variable 116	HARMFUL EVENT #3	Width: 2	Type: Numeric
-----		-----	Dec: None	Miss: 0

THIRD EVENT CAUSING INJURY OR PROPERTY DAMAGE

Census	Prcnt	Code	Value and Description
			Noncollision Event
661060	94.1	0	Uncoded & errors
566	0.1	1	Loss of control
494	0.1	2	Cross center/median
3119	0.4	3	Ran off road left
2115	0.3	4	Ran off road right
851	0.1	5	Re-enter road
4870	0.7	6	Overturn
268	0.0	7	Separation of units
58	0.0	8	Fire/explosion
24	0.0	9	Immersion
182	0.0	10	Jackknife
22	0.0	11	Downhill runaway
62	0.0	12	Cargo loss/shift
154	0.0	13	Individual fell off

Variable 117:HARMFUL EVENT #4 (Continued)

Census	Prcnt	Code	Value and Description
261	0.0	5	Re-enter road
3043	0.4	6	Overturn
142	0.0	7	Separation of units
97	0.0	8	Fire/explosion
37	0.0	9	Immersion
43	0.0	10	Jackknife
7	0.0	11	Downhill runaway
48	0.0	12	Cargo loss/shift
95	0.0	13	Individual fell off
183	0.0	14	Other noncollision
			Collision With Nonfixed Object
90	0.0	15	Pedestrian
62	0.0	16	Pedalcycle
8698	1.2	17	Motor-vehicle in transport
991	0.1	18	Parked vehicle
5	0.0	19	Railway train
395	0.1	20	Animal
151	0.0	21	Other nonfixed object
			Collision With Fixed Object
89	0.0	22	Bridge pier or abutment
120	0.0	23	Bridge parapet end
51	0.0	24	Bridge rail
315	0.0	25	Guardrail face
56	0.0	26	Guardrail end
215	0.0	27	Median barrier
374	0.1	28	Traffic sign post
34	0.0	29	Signal post
70	0.0	30	Luminaire support
646	0.1	31	Utility pole
188	0.0	32	Other pole
197	0.0	33	Culvert
172	0.0	34	Curb
1483	0.2	35	Ditch
471	0.1	36	Embankment
481	0.1	37	Fence
291	0.0	38	Mailbox
2462	0.4	39	Tree
9	0.0	40	Rail crossing signal
314	0.0	41	Building
8	0.0	42	Traffic island
79	0.0	43	Fire hydrant
0	0.0	44	Impact attenuator/crash cushion
558	0.1	45	Other fixed object

Variable 118 EVENT 1 MOST HARMFUL Width: 1 Type: Numeric
----- -----
Dec: None Miss: 0

FIRST EVENT WAS MOST HARMFUL IN CRASH

Census	Prcnt	Code	Value and Description
161826	23.0	0	Uncoded & errors
541048	77.0	1	Yes
0	0.0	9	Nonnumeric data

Variable 119 EVENT 2 MOST HARMFUL Width: 1 Type: Numeric
----- -----
Dec: None Miss: 0

SECOND EVENT WAS MOST HARMFUL IN CRASH

Census	Prcnt	Code	Value and Description
659482	93.8	0	Uncoded & errors
43392	6.2	1	Yes
0	0.0	9	Nonnumeric data

Variable 120 EVENT 3 MOST HARMFUL Width: 1 Type: Numeric
----- -----
Dec: None Miss: 0

THIRD EVENT WAS MOST HARMFUL IN CRASH

Census	Prcnt	Code	Value and Description
680089	96.8	0	Uncoded & errors
22785	3.2	1	Yes
0	0.0	9	Nonnumeric data

Variable 121 EVENT 4 MOST HARMFUL Width: 1 Type: Numeric
----- -----
Dec: None Miss: 0

FOURTH EVENT WAS MOST HARMFUL IN CRASH

Census	Prcnt	Code	Value and Description
689963	98.2	0	Uncoded & errors
12911	1.8	1	Yes
0	0.0	9	Nonnumeric data

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```
-----
Variable 122  MOST HARMFUL EVENT:MOST  Width: 2  Type: Numeric
-----
Dec:  None  Miss:  0
```

CODED BY TDC-UMTRI BASED ON FLAGS V118-V121

Census Prcnt	Code	Value and Description
		Noncollision Event
10364	1.5	0 Uncoded & errors
5768	0.8	1 Loss of control
1359	0.2	2 Cross center/median
1035	0.1	3 Ran off road left
1861	0.3	4 Ran off road right
223	0.0	5 Re-enter road
8355	1.2	6 Overturn
1794	0.3	7 Separation of units
956	0.1	8 Fire/explosion
87	0.0	9 Immersion
529	0.1	10 Jackknife
93	0.0	11 Downhill runaway
829	0.1	12 Cargo loss/shift
571	0.1	13 Individual fell off
2385	0.3	14 Other noncollision
		Collision With Nonfixed Object
3316	0.5	15 Pedestrian
2979	0.4	16 Pedalcycle
455274	64.8	17 Motor-vehicle in transport
21022	3.0	18 Parked vehicle
186	0.0	19 Railway train
50331	7.2	20 Animal
5815	0.8	21 Other nonfixed object
		Collision With Fixed Object
783	0.1	22 Bridge pier or abutment
500	0.1	23 Bridge parapet end
446	0.1	24 Bridge rail
2473	0.4	25 Guardrail face
477	0.1	26 Guardrail end
2194	0.3	27 Median barrier
2488	0.4	28 Traffic sign post
297	0.0	29 Signal post
639	0.1	30 Luminaire support
3809	0.5	31 Utility pole
1134	0.2	32 Other pole
756	0.1	33 Culvert
1742	0.2	34 Curb
5443	0.8	35 Ditch
1673	0.2	36 Embankment
1487	0.2	37 Fence
2237	0.3	38 Mailbox
9696	1.4	39 Tree
122	0.0	40 Rail crossing signal
998	0.1	41 Building
51	0.0	42 Traffic island
480	0.1	43 Fire hydrant

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Variable 126 DRINKING INFORMATION Width: 1 Type: Numeric

Dec: None Miss: 0

Census Prcnt Code Value and Description

144477 20.6 0 Uncoded & errors
24025 3.4 1 Yes
534372 76.0 2 No

Variable 127 REFUSAL INFORMATION Width: 1 Type: Numeric

Dec: None Miss: 0

Census Prcnt Code Value and Description

566353 80.6 0 Uncoded & errors
1673 0.2 1 Refused
134848 19.2 2 Not offered

Variable 128 FIELD SOBRIETY TEST Width: 1 Type: Numeric

Dec: None Miss: 0

Census Prcnt Code Value and Description

697528 99.2 0 Uncoded & errors
5346 0.8 1 Yes
0 0.0 9 Nonnumeric data

Variable 129 PBT TEST Width: 1 Type: Numeric

Dec: None Miss: 0

Census Prcnt Code Value and Description

689385 98.1 0 Uncoded & errors
13489 1.9 1 Yes
0 0.0 9 Nonnumeric data

Variable 130 BREATHALYZER TEST Width: 1 Type: Numeric

Dec: None Miss: 0

Census Prcnt Code Value and Description

695956 99.0 0 Uncoded & errors
6918 1.0 1 Yes
0 0.0 9 Nonnumeric data

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```
-----
Variable 131  URINE TEST                               Width: 1      Type: Numeric
-----
Dec:      None      Miss: 0
```

Census Prcnt Code Value and Description

```
702749 100.0  0  Uncoded & errors
      125   0.0  1  Yes
       0   0.0  9  Nonnumeric data
```

```
-----
Variable 132  BLOOD TEST                               Width: 1      Type: Numeric
-----
Dec:      None      Miss: 0
```

Census Prcnt Code Value and Description

```
699075  99.5  0  Uncoded & errors
      3799   0.5  1  Yes
       0   0.0  9  Nonnumeric data
```

```
-----
Variable 133  TOTAL OCCUPANTS IN VEH                   Width: 2      Type: Numeric
-----
Dec:      None      Miss: 99
```

Census Prcnt Code Value and Description

```
 31539   4.5   0  0 occupants
433311  61.6   1  1 occupant or pedestrian
126726  18.0   2  2 occupants
 36922   5.3   3  3 occupants
 16496   2.3   4  4 occupants
  5345   0.8   5  5 occupants
  1639   0.2   6  6 occupants
   542   0.1   7  7 occupants
   308   0.0   8  8 occupants
   145   0.0   9  9 occupants
   132   0.0  10 10 occupants
      -
     1   0.0  94 94 occupants
48635   6.9  99  Uncoded & errors, nonnumeric data
```

```
-----
Variable 134  CMPTD NUMBER FATAL                       Width: 3      Type: Numeric
-----
Dec:      None      Miss: 999
```

CJDC COMPUTED NUMBER OF FATALITIES IN VEHICLE

Census Prcnt Code Value and Description

```
701571  99.8   0  0 killed
  1203   0.2   1  1 killed
   91   0.0   2  2 killed
    5   0.0   3  3 killed
    3   0.0   4  4 killed
```

Variable 134:CMPTD NUMBER FATAL (Continued)

Census	Prcnt	Code	Value and Description
1	0.0	7	7 killed

Variable 135	CMPTD NUMBER INJURED	Width: 3	Type: Numeric
-----	-----	Dec: None	Miss: 999

CJDC COMPUTED NUMBER OF INJURIES IN VEHICLE

Census	Prcnt	Code	Value and Description
585266	83.3	0	0 injured
98121	14.0	1	1 injured
15439	2.2	2	2 injured
3402	0.5	3	3 injured
402	0.1	4	4 injured
163	0.0	5	5 injured
45	0.0	6	6 injured
19	0.0	7	7 injured
6	0.0	8	8 injured
2	0.0	9	9 injured
2	0.0	10	10 injured
3	0.0	11	11 injured
2	0.0	12	12 injured
2	0.0	13	13 injured

Variable 136	TU WORST INJURY	Width: 1	Type: Numeric
-----	-----	Dec: None	Miss: 0

TDC COMPUTED WORST INJURY IN TRAFFIC UNIT

Census	Prcnt	Code	Value and Description
71695	10.2	0	Incomplete data
1301	0.2	1	Fatal
14978	2.1	2	A - incapacitating injury
28785	4.1	3	B - nonincapacitating injury
72700	10.3	4	C - possible injury
513415	73.0	5	No injury
0	0.0	9	Missing data

Variable 137	TU TOTAL KILLED	Width: 2	Type: Numeric
-----	-----	Dec: None	Miss: 99

TDC COMPUTED TOTAL KILLED IN TRAFFIC UNIT

Variable 137:TU TOTAL KILLED (Continued)

Census	Prcnt	Code	Value and Description
701571	99.8	0	0 killed
1203	0.2	1	1 killed
91	0.0	2	2 killed
5	0.0	3	3 killed
3	0.0	4	4 killed
1	0.0	7	7 killed

 Variable 138 TU TOTAL A INJURED Width: 2 Type: Numeric
 ----- ----- Dec: None Miss: 99

TDC COMPUTED TOTAL A-INJURED IN TRAFFIC UNIT

Census	Prcnt	Code	Value and Description
687545	97.8	0	0 A-injured
13152	1.9	1	1 A-injured
1750	0.2	2	2 A-injured
352	0.1	3	3 A-injured
49	0.0	4	4 A-injured
16	0.0	5	5 A-injured
7	0.0	6	6 A-injured
3	0.0	7	7 A-injured

 Variable 139 TU TOTAL B INJURED Width: 2 Type: Numeric
 ----- ----- Dec: None Miss: 99

TDC COMPUTED TOTAL B-INJURED IN TRAFFIC UNIT

Census	Prcnt	Code	Value and Description
672373	95.7	0	0 B-injured
26935	3.8	1	1 B-injured
2979	0.4	2	2 B-injured
473	0.1	3	3 B-injured
78	0.0	4	4 B-injured
28	0.0	5	5 B-injured
6	0.0	6	6 B-injured
1	0.0	7	7 B-injured
1	0.0	11	11 B-injured

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```
-----
Variable 140  TU TOTAL C INJURED          Width: 2      Type: Numeric
-----          -----          Dec:  None    Miss: 99
```

TDC COMPUTED TOTAL C-INJURED IN TRAFFIC UNIT

Census	Prcnt	Code	Value	Description
625290	89.0	0	0	C-injured
67703	9.6	1	1	C-injured
8355	1.2	2	2	C-injured
1326	0.2	3	3	C-injured
127	0.0	4	4	C-injured
45	0.0	5	5	C-injured
16	0.0	6	6	C-injured
1	0.0	7	7	C-injured
4	0.0	8	8	C-injured
2	0.0	9	9	C-injured
1	0.0	10	10	C-injured
1	0.0	11	11	C-injured
1	0.0	12	12	C-injured
2	0.0	13	13	C-injured

```
-----
Variable 141  TU TOTAL INJURED          Width: 2      Type: Numeric
-----          -----          Dec:  None    Miss: 99
```

TDC COMPUTED TOTAL INJURED IN TRAFFIC UNIT

Census	Prcnt	Code	Value	Description
514351	73.2	0	0	injured
97492	13.9	1	1	injured
86217	12.3	2	2	injured
4022	0.6	3	3	injured
535	0.1	4	4	injured
172	0.0	5	5	injured
48	0.0	6	6	injured
20	0.0	7	7	injured
5	0.0	8	8	injured
2	0.0	9	9	injured
3	0.0	10	10	injured
3	0.0	11	11	injured
2	0.0	12	12	injured
2	0.0	13	13	injured

```
-----
Variable 142  TU TOTAL CASUALTIES          Width: 2      Type: Numeric
-----          -----          Dec:  None    Miss: 99
```

TU TOTAL KILLED (v137) plus TU TOTAL INJURED (v141)

Census	Prcnt	Code	Value	Description
513415	73.0	0	0	casualties

Variable 142:TU TOTAL CASUALTIES (Continued)

Census Prcnt	Code	Value and Description
169044	24.1	1 1 casualty
16124	2.3	2 2 casualties
3588	0.5	3 3 casualties
440	0.1	4 4 casualties
171	0.0	5 5 casualties
52	0.0	6 6 casualties
22	0.0	7 7 casualties
6	0.0	8 8 casualties
3	0.0	9 9 casualties
2	0.0	10 10 casualties
3	0.0	11 11 casualties
2	0.0	12 12 casualties
2	0.0	13 13 casualties

Variable 143 TU TOTAL UNINJURED Width: 1 Type: Numeric
----- Dec: None Miss: 9

TDC COMPUTED TOTAL UNINJURED RECORDS FOR TRAFFIC UNIT

Census Prcnt	Code	Value and Description
128669	18.3	0 0 persons
373478	53.1	1 1 person
102375	14.6	2 2 persons
29794	4.2	3 3 persons
12679	1.8	4 4 persons
4028	0.6	5 5 persons
1186	0.2	6 6 persons
2030	0.3	7 7 or more persons
48635	6.9	9 Missing data

Variable 144 TOTAL OCC RECS FOR TU Width: 2 Type: Numeric
----- Dec: None Miss: 9

TDC COMPUTED NUMBER OF OCC RECORDS FOR TRAFFIC UNIT

Census Prcnt	Code	Value and Description
668858	95.2	1 1 person record
27895	4.0	2 2 person records
5316	0.8	3 3 person records
512	0.1	4 4 person records
185	0.0	5 5 person records
64	0.0	6 6 person records
24	0.0	7 7 person records

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```
-----
Variable 145  TDC-UMTRI UNIT NUMBER      Width: 2      Type: Numeric
-----
Dec:      None      Miss: 0
```

```
Census Prcnt  Code Value and Description
```

```
398050  56.6    1  Unit #1
          -
          7   0.0    9  Unit #9
```

```
-----
Variable 146  DRIVER POSITION      Width: 2      Type: Numeric
-----
Dec:      None      Miss: 99
```

```
Census Prcnt  Code Value and Description
```

```
693575  98.7    1  Left front, in-line vehicle driver, Uncoded & errors
      84   0.0    2  Center front
      490   0.1    3  Right front
      794   0.1    4  Left rear, in-line vehicle passenger #1
      37   0.0    5  Center rear
      11   0.0    6  Right rear
      19   0.0    7  Left rear 3rd seat, in-line vehicle passenger #2
      8   0.0    8  Center rear 3rd seat
      36   0.0    9  Right rear 3rd seat
      99   0.0   10  In sleeper
      18   0.0   11  Other enclosed area
      9   0.0   12  Other unenclosed area
      22   0.0   13  In/on trailing unit
      17   0.0   14  On vehicle exterior
      204   0.0   15  Unknown

      3298   0.5   50  (B) Bicyclist
      139   0.0   51  (E) Engineer
      4014   0.6   52  (P) Pedestrian
      0     0.0   99  Nonnumeric data
```

```
-----
Variable 147  DRIVER RESTRAINT    Width: 2      Type: Numeric
-----
Dec:      None      Miss: 0
```

```
Census Prcnt  Code Value and Description
```

```
117317  16.7    0  Uncoded & errors
      4156   0.6    1  No belts available
      3053   0.4    2  Shoulder only used
      8467   1.2    3  Lap only used
      520320  74.0    4  Both lap & shoulder used
      30162   4.3    5  No belts used
      70     0.0    6  Child restraint used
      70     0.0    7  Child restraint not used, unavailable or improper use
      76     0.0    8  Restraint failed
      15731   2.2    9  Restraint use unknown
      2306   0.3   10  Helmet worn
      1042   0.1   11  Helmet not worn
```

Variable 147:DRIVER RESTRAINT (Continued)

Census Prcnt	Code	Value and Description
104	0.0	12 Helmet use unknown

Variable 148 DRIVER AIRBAG Width: 1 Type: Numeric
----- Dec: None Miss: 0

Census Prcnt	Code	Value and Description
144336	20.5	0 Uncoded & errors
11620	1.7	1 Deployed
90890	12.9	2 Not deployed
456028	64.9	3 Not available

Variable 149 DRIVER EJECTION Width: 1 Type: Numeric
----- Dec: None Miss: 0

Census Prcnt	Code	Value and Description
701271	99.8	0 Uncoded & errors
1603	0.2	1 Yes

Variable 150 DRIVER TRAPPED Width: 1 Type: Numeric
----- Dec: None Miss: 0

Census Prcnt	Code	Value and Description
700593	99.7	0 Uncoded & errors
2281	0.3	1 Yes

Variable 151 DRIVER LICENSE STATE Width: 2 Type: Numeric
----- Dec: None Miss: 99

UNCODED, ERRORS = 'MI' SANITIZED = SPACES

Census Prcnt	Code	Value and Description
222	0.0	1 Alabama
61	0.0	2 Alaska
233	0.0	3 Arizona
141	0.0	4 Arkansas
797	0.1	5 California
222	0.0	6 Colorado
96	0.0	7 Connecticut
24	0.0	8 Delaware
15	0.0	9 District of Columbia

Variable 151:DRIVER LICENSE STATE (Continued)

Census	Prcnt	Code	Value and Description
1636	0.2	10	Florida
355	0.1	11	Georgia
25	0.0	12	Hawaii
40	0.0	13	Idaho
2485	0.4	14	Illinois
2598	0.4	15	Indiana
199	0.0	16	Iowa
90	0.0	17	Kansas
274	0.0	18	Kentucky
92	0.0	19	Louisiana
37	0.0	20	Maine
140	0.0	21	Maryland
139	0.0	22	Massachusetts
680262	96.8	23	Michigan
261	0.0	24	Minnesota
98	0.0	25	Mississippi
306	0.0	26	Missouri
35	0.0	27	Montana
82	0.0	28	Nebraska
50	0.0	29	Nevada
37	0.0	30	New Hampshire
170	0.0	31	New Jersey
72	0.0	32	New Mexico
513	0.1	33	New York
271	0.0	34	North Carolina
34	0.0	35	North Dakota
3854	0.5	36	Ohio
142	0.0	37	Oklahoma
57	0.0	38	Oregon
421	0.1	39	Pennsylvania
3	0.0	40	Puerto Rico
24	0.0	41	Rhode Island
171	0.0	42	South Carolina
39	0.0	43	South Dakota
516	0.1	44	Tennessee
728	0.1	45	Texas
39	0.0	46	Utah
20	0.0	47	Vermont
300	0.0	48	Virginia
134	0.0	49	Washington
79	0.0	50	West Virginia
1615	0.2	51	Wisconsin
28	0.0	52	Wyoming
28	0.0	53	Alberta
24	0.0	54	British Columbia
68	0.0	55	Manitoba
7	0.0	56	New Brunswick
2	0.0	57	Newfoundland
0	0.0	58	Northwest Territories
10	0.0	59	Nova Scotia
1889	0.3	60	Ontario
2	0.0	61	Prince Edward Island

STATE OF MICHIGAN
1994 - Vehicle/Driver

```
-----
Variable 155  LICENSE-RECREATIONAL DBL      Width: 1      Type: Numeric
-----
Dec:      None      Miss: 0
```

LICENSE ENDORSEMENT - RECREATIONAL DOUBLE

```
Census Prcnt  Code Value and Description
701427  99.8  0  No recreational double (uncoded & errors)
  1447  0.2  1  Recreational double
```

```
-----
Variable 156  DRIVER BIRTH DATE      Width: 8      Type: Numeric
-----
Dec:      None      Miss: None
```

```
-----
Variable 157  DRIVER AGE      Width: 3      Type: Numeric
-----
Dec:      None      Miss: 999
```

```
Census Prcnt  Code Value and Description
  347  0.0  0  Less than 1 year old
      -
  26  0.0  94  94 years old
  1  0.0  352
  1  0.0  377
102893  14.6  999  DOB bad
```

```
-----
Variable 158  DRIVER SEX      Width: 1      Type: Numeric
-----
Dec:      None      Miss: 9
```

```
Census Prcnt  Code Value and Description
383103  54.5  1  Male
250277  35.6  2  Female
 69494  9.9  9  (Space) Unknown, nonnumeric data
```

```
-----
Variable 159  DRIVER DEGREE OF INJURY  Width: 1      Type: Numeric
-----
Dec:      None      Miss: 0
```

```
Census Prcnt  Code Value and Description
 71695  10.2  0  Uncoded & errors
  1070  0.2  1  Killed
 12764  1.8  2  Incapacitating injury
 24491  3.5  3  Nonincapacitating injury
 63850  9.1  4  Possible injury
529004  75.3  5  No injury
```

Variable 160 VIN - VEHICLE IDENTIFICATION NUMBER NOT CURRENTLY CAPTURED BY THE STATE OF MICHIGAN

Variable 213:CDL LICENSE STATE (Continued)

Truck	Prcnt	Code	Value and Description
22	0.1	6	Colorado
4	0.0	7	Connecticut
4	0.0	8	Delaware
0	0.0	9	District of Columbia
85	0.3	10	Florida
29	0.1	11	Georgia
0	0.0	12	Hawaii
8	0.0	13	Idaho
679	2.2	14	Illinois
532	1.7	15	Indiana
84	0.3	16	Iowa
13	0.0	17	Kansas
44	0.1	18	Kentucky
3	0.0	19	Louisiana
8	0.0	20	Maine
24	0.1	21	Maryland
4	0.0	22	Massachusetts
12836	40.8	23	Michigan
88	0.3	24	Minnesota
12	0.0	25	Mississippi
86	0.3	26	Missouri
6	0.0	27	Montana
44	0.1	28	Nebraska
0	0.0	29	Nevada
0	0.0	30	New Hampshire
33	0.1	31	New Jersey
2	0.0	32	New Mexico
24	0.1	33	New York
62	0.2	34	North Carolina
13	0.0	35	North Dakota
631	2.0	36	Ohio
172	0.5	37	Oklahoma
9	0.0	38	Oregon
101	0.3	39	Pennsylvania
0	0.0	40	Puerto Rico
2	0.0	41	Rhode Island
15	0.0	42	South Carolina
23	0.1	43	South Dakota
137	0.4	44	Tennessee
44	0.1	45	Texas
5	0.0	46	Utah
0	0.0	47	Vermont
29	0.1	48	Virginia
5	0.0	49	Washington
7	0.0	50	West Virginia
273	0.9	51	Wisconsin
0	0.0	52	Wyoming
20	0.1	53	Alberta
0	0.0	54	British Columbia
31	0.1	55	Manitoba
6	0.0	56	New Brunswick
0	0.0	57	Newfoundland

Variable 213:CDL LICENSE STATE (Continued)

Truck Prcnt	Code	Value and Description
0	0.0	58 Northwest Territories
0	0.0	59 Nova Scotia
358	1.1	60 Ontario
0	0.0	61 Prince Edward Island
24	0.1	62 Quebec
1	0.0	63 Saskatchewan
0	0.0	64 Yukon
0	0.0	65 Mexico
14635	46.6	98 Non-CDL vehicle, no data
33	0.1	99 Sanitized, nonnumeric data

Variable 214 SOURCE OF CDL INFO Width: 1 Type: Numeric
----- Dec: None Miss: 0

Truck Prcnt	Code	Value and Description
4898	15.6	0 Uncoded & errors
6850	21.8	1 Papers
2371	7.5	2 Log
212	0.7	3 Driver
2470	7.9	4 Markings
14635	46.6	8 Non-CDL vehicle, no data

Variable 215 INTER/INTRA STATE Width: 1 Type: Numeric
----- Dec: None Miss: 0

Truck Prcnt	Code	Value and Description
6638	21.1	0 Uncoded & errors
4765	15.2	1 Interstate only
5398	17.2	2 Intrastate
14635	46.6	8 Non-CDL vehicle, no data

Variable 216 GROSS VEH WEIGHT RATING Width: 6 Type: Numeric
----- Dec: None Miss: 0

Truck Prcnt	Code	Value and Description
		0 Uncoded & errors
		- GVWR
		999998 Non-CDL vehicle, no data

STATE OF MICHIGAN
1994 - Truck

```
-----
Variable 217  HAZMAT: TYPE                Width: 4    Type: Numeric
-----                Dec:  None    Miss:  0
```

```
Truck Prcnt  Code Value and Description

16543  52.6      0  Uncoded & errors
      - Hazardous materials type
14635  46.6     9998 Non-CDL vehicle, no data
```

```
-----
Variable 218  HAZMAT: CLASS                Width: 2    Type: Numeric
-----                Dec:  None    Miss:  0
```

```
Truck Prcnt  Code Value and Description

16642  52.9      0  Uncoded & errors
      - Hazardous materials class
14635  46.6     98  Non-CDL vehicle, no data
```

```
-----
Variable 219  HAZMAT: PLACARD             Width: 1    Type: Numeric
-----                Dec:  None    Miss:  0
```

```
Truck Prcnt  Code Value and Description

12198  38.8      0  Uncoded & errors
      426   1.4      1  Yes
      4177  13.3      2  No
14635  46.6      8  Non-CDL vehicle, no data
```

```
-----
Variable 220  HAZMAT: SPILL              Width: 1    Type: Numeric
-----                Dec:  None    Miss:  0
```

```
Truck Prcnt  Code Value and Description

12129  38.6      0  Uncoded & errors
      116   0.4      1  Yes
      4556  14.5      2  No
14635  46.6      8  Non-CDL vehicle, no data
```

```
-----
Variable 221  SAE AXLE TYPE: I           Width: 2    Type: Alphabetic
-----                Dec:  None    Miss: None
```


Variable 302: PASSENGER POSITION (Continued)

Census	Prcnt	Code	Value and Description
339	0.0	11	Other enclosed area
115	0.0	12	Other unenclosed area
34	0.0	13	In/on trailing unit
90	0.0	14	On vehicle exterior
336	0.0	15	Unknown
3298	0.4	50	(B) Bicyclist
139	0.0	51	(E) Engineer
4014	0.5	52	(P) Pedestrian
2202	0.3	99	Uncoded & errors, nonnumeric data

Variable 303 PASSENGER RESTRAINT Width: 2 Type: Numeric
----- Dec: None Miss: 0

Census	Prcnt	Code	Value and Description
120062	16.1	0	Uncoded & errors
5288	0.7	1	No belts available
3309	0.4	2	Shoulder only used
10992	1.5	3	Lap only used
542933	72.9	4	Both lap & shoulder used
39820	5.3	5	No belts used
977	0.1	6	Child restraint used
255	0.0	7	Child restraint not used, unavailable or improper use
98	0.0	8	Restraint failed
16838	2.3	9	Restraint use unknown
2510	0.3	10	Helmet worn
1121	0.2	11	Helmet not worn
115	0.0	12	Helmet use unknown

Variable 304 PASSENGER AIRBAG Width: 1 Type: Numeric
----- Dec: None Miss: 0

Census	Prcnt	Code	Value and Description
149611	20.1	0	Uncoded & errors
12114	1.6	1	Deployed
93864	12.6	2	Not deployed
488729	65.7	3	Not available

Variable 305 PASSENGER EJECTION Width: 1 Type: Numeric
----- Dec: None Miss: 0

Census	Prcnt	Code	Value and Description
742007	99.7	0	Uncoded & errors
2311	0.3	1	Yes

STATE OF MICHIGAN
1994 - Passenger injury

```
-----
Variable 306  PASSENGER TRAPPED          Width: 1      Type: Numeric
-----          -----          Dec:  None    Miss:  0
```

Census Prcnt Code Value and Description

```
741165  99.6   0  Uncoded & errors
   3153   0.4   1  Yes
```

```
-----
Variable 307  BIRTH DATE          Width:  8      Type: Numeric
-----          -----          Dec:  None    Miss: None
```

Census Prcnt Code Value and Description

```
0  Uncoded & errors
```

```
-----
Variable 308  AGE                Width:  3      Type: Numeric
-----          -----          Dec:  None    Miss:  999
```

Census Prcnt Code Value and Description

```
   683   0.1    0  Less than 1 year old
      -
   50    0.0   94  94 years old
    1    0.0  352
    1    0.0  377
106757 14.3   999  DOB bad
```

```
-----
Variable 309  PASSENGER SEX      Width:  1      Type: Numeric
-----          -----          Dec:  None    Miss:  9
```

Census Prcnt Code Value and Description

```
398141  53.5   1  Male
274435  36.9   2  Female
 71742   9.6   9  Uncoded & errors, nonnumeric data
```

```
-----
Variable 310  PASSENGER DEGREE OF INJ  Width:  1      Type: Numeric
-----          -----          Dec:  None    Miss:  0
```

Passenger degree of injury

Census Prcnt Code Value and Description

```
71695   9.6   0  Uncoded & errors
 1419   0.2   1  Killed
18047   2.4   2  Incapacitating injury
34818   4.7   3  Nonincapacitating injury
89335  12.0   4  Possible
```


Michigan 1994

Index to Variables and Code Value Names

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

"+" = Many code values for this variable

Item	Var	CV	Variable Name Code Value
abutment	114	22	Bridge pier or abutment
abutment	115	22	Bridge pier or abutment
abutment	116	22	Bridge pier or abutment
abutment	117	22	Bridge pier or abutment
abutment	122	22	Bridge pier or abutment
action	112	*	ACTION PRIOR TO CRASH
action	123	*	HAZARDOUS ACTION
activity	29	*	CONSTRUCTION ACTIVITY
age	157	*	DRIVER AGE
age	308	*	AGE
airbag	148	*	DRIVER AIRBAG
airbag	304	*	PASSENGER AIRBAG
alabama	108	1	Alabama
alabama	151	1	Alabama
alabama	213	1	Alabama
alaska	108	2	Alaska
alaska	151	2	Alaska
alaska	213	2	Alaska
alberta	108	53	Alberta
alberta	151	53	Alberta
alberta	213	53	Alberta
alcona	10	1	Alcona
alger	10	2	Alger
allegan	10	3	Allegan
alpena	10	4	Alpena
ambulance	48	1	This crash involved a police/fire/ambula
ambulance	104	4	Ambulance
ambulance	311	*	AMBULANCE CODE
angle	32	4	Angle
angle	112	21	Avoid vehicle (angle)
animal	114	20	Animal
animal	115	20	Animal
animal	116	20	Animal
animal	117	20	Animal
animal	122	20	Animal
antrim	10	5	Antrim
april	2	4	April
april	6	14	April 1- April 7
arenac	10	6	Arenac
arizona	108	3	Arizona
arizona	151	3	Arizona
arizona	213	3	Arizona
arkansas	108	4	Arkansas
arkansas	151	4	Arkansas
arkansas	213	4	Arkansas
arterial	14	991	Major arterial local trafficway (not a s
attenuator	114	44	Impact attenuator/crash cushion
attenuator	115	44	Impact attenuator/crash cushion
attenuator	116	44	Impact attenuator/crash cushion
attenuator	117	44	Impact attenuator/crash cushion
attenuator	122	44	Impact attenuator/crash cushion
august	2	8	August
august	6	31	July 29 - August 4
auto	103	6	Auto transporter

Michigan 1994 Index (continued)

Item	Var	CV	Variable Name or Code Value
auto	107	5	Towed auto
axle	221	*	SAE AXLE TYPE: I
axle	222	*	SAE AXLE TYPE: II
axle	223	*	SAE AXLE TYPE: III
axle	224	*	SAE AXLE TYPE: IV
back	112	20	Avoid vehicle (front/back)
backing	112	7	Backing
backing	123	11	Improper backing
baraga	10	7	Baraga
barrier	114	27	Median barrier
barrier	115	27	Median barrier
barrier	116	27	Median barrier
barrier	117	27	Median barrier
barrier	122	27	Median barrier
barry	10	8	Barry
bay	10	9	Bay
belt	147	1	No belts available
belt	303	1	No belts available
benzie	10	10	Benzie
berrien	10	11	Berrien
between	21	5	In the gore (area between ramp and Xway
bicyclist	45	1	This crash involved a drinking driver/pe
bicyclist	53	*	FLAG: BICYCLIST
bicyclist	146	50	(B) Bicyclist
bicyclist	302	50	(B) Bicyclist
birth	156	*	DRIVER BIRTH DATE
birth	307	*	BIRTH DATE
blood	132	*	BLOOD TEST
blowing	30	5	Snow/blowing snow
boat	107	3	Boat
body	103	*	CDL TRUCK BODY STYLE
box	103	1	Van/enclosed box
brake	106	1	Brakes
branch	10	12	Branch
breathalyzer	130	*	BREATHALYZER TEST
bridge	114	22	Bridge pier or abutment
bridge	115	22	Bridge pier or abutment
bridge	116	22	Bridge pier or abutment
bridge	117	22	Bridge pier or abutment
bridge	122	22	Bridge pier or abutment
british columbia	108	54	British Columbia
british columbia	151	54	British Columbia
british columbia	213	54	British Columbia
building	114	41	Building
building	115	41	Building
building	116	41	Building
building	117	41	Building
building	122	41	Building
bus	38	*	FLAG: SCHOOL BUS INV/ASC
bus	46	*	FLAG: TRUCK OR BUS
bus	101	11	CDL truck/Bus involved
bus	104	3	Bus
business	13	4	Interstate business loop or spur
calhoun	10	13	Calhoun
california	108	5	California
california	151	5	California

Michigan 1994 Index (continued)

Item	Var	CV	Variable Name or Code Value
california	213	5	California
car	43	2	Car - car
card	207	*	MEDICAL CARD
cargo	103	2	Cargo tank
cargo	114	12	Cargo loss/shift
cargo	115	12	Cargo loss/shift
cargo	116	12	Cargo loss/shift
cargo	117	12	Cargo loss/shift
cargo	122	12	Cargo loss/shift
case	1	*	TDC-UMTRI CASE NUMBER
cass	10	14	Cass
casualties	70	*	TOTAL CASUALTIES IN ACC
casualties	142	*	TU TOTAL CASUALTIES
casualty	70	1	1 casualty
casualty	142	1	1 casualty
cdl	101	11	CDL truck/Bus involved
cdl	102	*	CDL TRUCK TYPE
cdl	103	*	CDL TRUCK BODY STYLE
cdl	200	*	CDL TYPE 1
cdl	201	*	CDL TYPE 2 H
cdl	202	*	CDL TYPE 2 N
cdl	203	*	CDL TYPE 2 P
cdl	204	*	CDL TYPE 2 T
cdl	205	*	CDL TYPE 2 X
cdl	206	*	CDL EXEMPT
cdl	208	*	CDL RESTRICTION 28
cdl	209	*	CDL RESTRICTION 29
cdl	210	*	CDL RESTRICTION 30
cdl	211	*	CDL RESTRICTION 35
cdl	212	*	CDL RESTRICTION 36
cdl	213	*	CDL LICENSE STATE
cdl	214	*	SOURCE OF CDL INFO
charlevoix	10	15	Charlevoix
chauffeurs	152	1	Operators (uncoded & errors), Chauffeurs
cheboygan	10	16	Cheboygan
child	147	6	Child restraint used
child	303	6	Child restraint used
chippewa	10	17	Chippewa
church	105	6	Club/church ("Y" tag)
circumstance	36	*	FLAG: NO SPECIAL CIRCUMS
citation	124	*	DRIVER HAZARDOUS CITATN
citation	125	*	DRIVER OTHER CITATION
city	11	*	CITY OR TOWNSHIP
city	13	9	County road, city street, or unknown
city	14	993	City street that is not major arterial
city	18	2	Invalid city/township
clare	10	18	Clare
class	13	*	HIGHWAY CLASS
class	218	*	HAZMAT: CLASS
clear	30	1	Clear
clear	123	12	Clear distance
clinton	10	19	Clinton
cloudy	30	2	Cloudy
club	105	6	Club/church ("Y" tag)
code	43	0	Invalid code
code	311	*	AMBULANCE CODE

Michigan 1994 Index (continued)

Item	Var	CV	Variable Name or Code Value
colorado	108	6	Colorado
colorado	151	6	Colorado
colorado	213	6	Colorado
commercial	102	1	Commercial truck AA (Group A vehicle)
commercial	105	2	Commercial
complaint	34	*	COMPLAINT STATUS
computed	134	*	CMPTD NUMBER FATAL
computed	135	*	CMPTD NUMBER INJURED
concrete	103	5	Concrete mixer
condition	23	*	ROAD CONDITIONS
configuration	107	*	NONCOMM TRAILER CONFIG
connecticut	108	7	Connecticut
connecticut	151	7	Connecticut
connecticut	213	7	Connecticut
connector	13	7	Connector
construction	27	*	CONSTRUCTION TYPE
construction	28	*	CONSTRUCTION LANE CLOSED
construction	29	*	CONSTRUCTION ACTIVITY
construction	104	6	Construction
construction	105	10	Road construction/maintenance
control	12	*	CONTROL SECTION
control	15	*	HIGHWAY CONTROL SECTION
control	16	*	CONTROL SECTION MLPT
control	26	*	TRAFFIC CONTROL
control	114	1	Loss of control
control	115	1	Loss of control
control	116	1	Loss of control
control	117	1	Loss of control
control	122	1	Loss of control
control	123	4	Traffic control
corner	109	2	Front corner, passenger side
county	10	*	COUNTY
county	13	9	County road, city street, or unknown
county	14	992	County road that is not major arterial
county	18	1	Invalid county
crash	17	3	This crash will be recycled through MALI
crash	20	0	Crash occurred on other than a roadway
crash	22	*	AREA OF ROAD AT CRASH
crash	32	*	HOW CRASH TOOK PLACE
crash	33	*	CRASH INVESTGTD AT SCENE
crash	44	1	This is a P.D. only crash (no injuries o
crash	45	1	This crash involved a drinking driver/pe
crash	46	1	This crash involved a truck or bus
crash	47	1	This crash involved a snowmobile
crash	48	1	This crash involved a police/fire/ambula
crash	49	1	This crash involved an Off Road Vehicle
crash	50	1	This crash involved a pedestrian
crash	51	2	No pedestrian record for crash
crash	52	*	FLAG: NONTRAFFIC CRASH
crash	53	1	This crash involved a bicyclist
crash	54	1	This crash involved any farm equipment
crash	57	*	FLAG: INJURY CRASH
crash	58	*	FLAG: FATAL CRASH
crash	62	*	NUMBER INJURED IN CRASH
crash	63	*	NUMBER FATAL IN CRASH
crash	111	*	DRIVABLE AFTER CRASH

Michigan 1994 Index (continued)

Item	Var	CV	Variable Name or Code Value
crash	112	*	ACTION PRIOR TO CRASH
crash	114	44	Impact attenuator/crash cushion
crash	115	44	Impact attenuator/crash cushion
crash	116	44	Impact attenuator/crash cushion
crash	117	44	Impact attenuator/crash cushion
crash	122	44	Impact attenuator/crash cushion
crashsite	24	*	SPEED LIMIT AT CRASHSITE
crawford	10	20	Crawford
culvert	114	33	Culvert
culvert	115	33	Culvert
culvert	116	33	Culvert
culvert	117	33	Culvert
culvert	122	33	Culvert
curb	114	34	Curb
curb	115	34	Curb
curb	116	34	Curb
curb	117	34	Curb
curb	122	34	Curb
curb-line	21	4	Outside of the shoulder/curb-line
curved	22	11	Curved road unrelated others
cushion	114	44	Impact attenuator/crash cushion
cushion	115	44	Impact attenuator/crash cushion
cushion	116	44	Impact attenuator/crash cushion
cushion	117	44	Impact attenuator/crash cushion
cushion	122	44	Impact attenuator/crash cushion
cycle	101	5	Cycle (CY)
cycle	153	*	LICENSE TYPE - CYCLE
damage	44	*	FLAG: PROPERTY DAMAGE
damage	110	*	EXTENT OF DAMAGE
damaged	35	*	PUBLIC PROPERTY DAMAGED
dark lighted	31	4	Dark lighted
dark unlighted	31	5	Dark unlighted
date	156	*	DRIVER BIRTH DATE
date	307	*	BIRTH DATE
dawn	31	2	Dawn
day	3	*	ACCIDENT DAY
day	5	*	TIME OF DAY
day	7	*	JULIAN DAY FROM 03-01-00
day	8	*	DAY OF WEEK
daylight	31	1	Daylight
death	44	1	This is a P.D. only crash (no injuries o
death	57	1	This is an injury crash (injuries but no
death	58	1	This is a fatal crash (one or more death
debris	23	7	Debris
december	2	12	December
december	6	48	November 25 - December 1
deer	37	*	FLAG: DEER INVOLV/ASSOC
defect	106	*	VEHICLE DEFECT
degree	159	*	DRIVER DEGREE OF INJURY
degree	310	*	PASSENGER DEGREE OF INJ
delaware	108	8	Delaware
delaware	151	8	Delaware
delaware	213	8	Delaware
delta	10	21	Delta
deployed	148	1	Deployed
deployed	304	1	Deployed

Michigan 1994 Index (continued)

Item	Var	CV	Variable Name or Code Value
dickinson	10	22	Dickinson
direction	12	2	Reverse direction intersecting street is
direction	18	7	Direction to/from intersecting st. is im
direction	19	*	ORIG DIRECTION
direction	32	8	Sideswipe same direction
direction	113	*	DIRECTION OF TRAVEL
distance	18	8	Distance to/from intersecting st. is imp
distance	123	12	Clear distance
district of columbia	108	9	District of Columbia
district of columbia	151	9	District of Columbia
district of columbia	213	9	District of Columbia
ditch	114	35	Ditch
ditch	115	35	Ditch
ditch	116	35	Ditch
ditch	117	35	Ditch
ditch	122	35	Ditch
double	102	5	Commercial truck AT (Group A vehicle, Do
double	107	6	Recreational double
double	155	*	LICENSE-RECREATIONAL DBL
downhill	114	11	Downhill runaway
downhill	115	11	Downhill runaway
downhill	116	11	Downhill runaway
downhill	117	11	Downhill runaway
downhill	122	11	Downhill runaway
drinking	45	*	FLAG: DRINKING OPERATOR
drinking	126	*	DRINKING INFORMATION
drivable	111	*	DRIVABLE AFTER CRASH
drive	13	8	Service drive
driver	45	1	This crash involved a drinking driver/pe
driver	109	6	Rear corner, driver side
driver	124	*	DRIVER HAZARDOUS CITATN
driver	125	*	DRIVER OTHER CITATION
driver	146	*	DRIVER POSITION
driver	147	*	DRIVER RESTRAINT
driver	148	*	DRIVER AIRBAG
driver	149	*	DRIVER EJECTION
driver	150	*	DRIVER TRAPPED
driver	151	*	DRIVER LICENSE STATE
driver	156	*	DRIVER BIRTH DATE
driver	157	*	DRIVER AGE
driver	158	*	DRIVER SEX
driver	159	*	DRIVER DEGREE OF INJURY
driver	214	3	Driver
driver	301	995	Driver record
driver	302	1	Left front, in-line vehicle driver, unco
driverless	112	22	Driverless moving
driveway	22	8	Driveway related/150'
dry	23	1	Dry
dump	103	4	Dump
dusk	31	3	Dusk
east	19	2	(E) East
east	113	1	East
eaton	10	23	Eaton
education	105	5	School/education
ejection	149	*	DRIVER EJECTION
ejection	305	*	PASSENGER EJECTION

Michigan 1994 Index (continued)

Item	Var	CV	Variable Name or Code Value
embankment	114	36	Embankment
embankment	115	36	Embankment
embankment	116	36	Embankment
embankment	117	36	Embankment
embankment	122	36	Embankment
emergency	48	*	FLAG: EMERGENCY VEHICLE
emergency	105	3	Pursuit/emergency (in use)
emmet	10	24	Emmet
engineer	55	1	Engineer record found
engineer	146	51	(E) Engineer
engineer	302	51	(E) Engineer
entrance	22	1	Entrance/exit ramp related
equipment	54	*	FLAG: FARM EQUIPMENT
error	18	*	LOCATION ERROR
event	114	*	HARMFUL EVENT #1
event	115	*	HARMFUL EVENT #2
event	116	*	HARMFUL EVENT #3
event	117	*	HARMFUL EVENT #4
event	118	*	EVENT 1 MOST HARMFUL
event	119	*	EVENT 2 MOST HARMFUL
event	120	*	EVENT 3 MOST HARMFUL
event	121	*	EVENT 4 MOST HARMFUL
event	122	*	MOST HARMFUL EVENT:MOST
exempt	206	*	CDL EXEMPT
exit	22	1	Entrance/exit ramp related
explosion	114	8	Fire/explosion
explosion	115	8	Fire/explosion
explosion	116	8	Fire/explosion
explosion	117	8	Fire/explosion
explosion	122	8	Fire/explosion
extent	110	*	EXTENT OF DAMAGE
exterior	146	14	On vehicle exterior
exterior	302	14	On vehicle exterior
fail	123	3	Fail to yield
farm	54	*	FLAG: FARM EQUIPMENT
farm	104	5	Farm
farm	105	4	Farm
farm	107	4	Farm
farm	154	*	LICENSE TYPE - FARM
farm	206	1	Farm
fast	123	1	Speed too fast
fatal	58	*	FLAG: FATAL CRASH
fatal	63	*	NUMBER FATAL IN CRASH
fatal	64	1	Fatal
fatal	134	*	CMPTD NUMBER FATAL
fatal	136	1	Fatal
february	2	2	February
february	6	5	January 29 - February 4
fell	114	13	Individual fell off
fell	115	13	Individual fell off
fell	116	13	Individual fell off
fell	117	13	Individual fell off
fell	122	13	Individual fell off
female	158	2	Female
female	309	2	Female
fence	114	37	Fence

Michigan 1994 Index (continued)

Item	Var	CV	Variable Name or Code Value
fence	115	37	Fence
fence	116	37	Fence
fence	117	37	Fence
fence	122	37	Fence
field	128	*	FIELD SOBRIETY TEST
fire	48	1	This crash involved a police/fire/ambula
fire	104	2	Fire
fire	114	8	Fire/explosion
fire	115	8	Fire/explosion
fire	116	8	Fire/explosion
fire	117	8	Fire/explosion
fire	122	8	Fire/explosion
fixed	114	45	Other fixed object
fixed	115	45	Other fixed object
fixed	116	45	Other fixed object
fixed	117	45	Other fixed object
fixed	122	45	Other fixed object
flag	17	*	LOCATION FLAG
flag	36	*	FLAG: NO SPECIAL CIRCUMS
flag	37	*	FLAG: DEER INVOLV/ASSOC
flag	38	*	FLAG: SCHOOL BUS INV/ASC
flag	39	*	FLAG: HIT AND RUN
flag	40	*	FLAG: FLEEING /PURSUING
flag	41	*	FLAG: SPECIAL LOCAL STDY
flag	42	*	FLAG: SPECIAL STATE STDY
flag	44	*	FLAG: PROPERTY DAMAGE
flag	45	*	FLAG: DRINKING OPERATOR
flag	46	*	FLAG: TRUCK OR BUS
flag	47	*	FLAG: SNOWMOBILE
flag	48	*	FLAG: EMERGENCY VEHICLE
flag	49	*	FLAG: ORV INVOLVED
flag	50	*	FLAG: PEDESTRIAN
flag	51	*	FLAG: PED REC PRESENT
flag	52	*	FLAG: NONTRAFFIC CRASH
flag	53	*	FLAG: BICYCLIST
flag	54	*	FLAG: FARM EQUIPMENT
flag	55	*	FLAG: TRAIN ACCIDENT
flag	57	*	FLAG: INJURY CRASH
flag	58	*	FLAG: FATAL CRASH
flatbed	103	3	Flatbed/platform
fleeing	40	*	FLAG: FLEEING /PURSUING
florida	108	10	Florida
florida	151	10	Florida
florida	213	10	Florida
fog	30	3	Fog/smoke
fourteen	62	14	Fourteen injured
freeway	22	6	All other freeway areas
friday	8	6	Friday
friday	9	120	12:00 a.m. Friday - 12:59 a.m. Friday
front	109	1	Front center
front	112	20	Avoid vehicle (front/back)
front	146	1	Left front, in-line vehicle driver, Unco
front	302	1	Left front, in-line vehicle driver, unco
garbage	103	7	Garbage/refuse
genesee	10	25	Genesee
georgia	108	11	Georgia

Michigan 1994 Index (continued)

Item	Var	CV	Variable Name or Code Value
georgia	151	11	Georgia
georgia	213	11	Georgia
gladwin	10	26	Gladwin
go-cart	101	7	Go-cart (GC)
gogebic	10	27	Gogebic
gore	21	5	In the gore (area between ramp and Xway
government	105	8	Other government nonemergency vehicle
grand traverse	10	28	Grand Traverse
gratiot	10	29	Gratiot
gross	216	*	GROSS VEH WEIGHT RATING
guardrail	114	25	Guardrail face
guardrail	115	25	Guardrail face
guardrail	116	25	Guardrail face
guardrail	117	25	Guardrail face
guardrail	122	25	Guardrail face
hail	30	7	Sleet/hail
harmful	114	*	HARMFUL EVENT #1
harmful	115	*	HARMFUL EVENT #2
harmful	116	*	HARMFUL EVENT #3
harmful	117	*	HARMFUL EVENT #4
harmful	118	*	EVENT 1 MOST HARMFUL
harmful	119	*	EVENT 2 MOST HARMFUL
harmful	120	*	EVENT 3 MOST HARMFUL
harmful	121	*	EVENT 4 MOST HARMFUL
harmful	122	*	MOST HARMFUL EVENT:MOST
hawaii	108	12	Hawaii
hawaii	151	12	Hawaii
hawaii	213	12	Hawaii
hazardous	102	2	Commercial truck AH (Group A vehicle, Ha
hazardous	123	*	HAZARDOUS ACTION
hazardous	124	*	DRIVER HAZARDOUS CITATN
hazmat	217	*	HAZMAT: TYPE
hazmat	218	*	HAZMAT: CLASS
hazmat	219	*	HAZMAT: PLACARD
hazmat	220	*	HAZMAT: SPILL
head	32	2	Head on
heavy	110	6	Heavy damage
helmet	147	10	Helmet worn
helmet	303	10	Helmet worn
highway	13	*	HIGHWAY CLASS
highway	14	*	HIGHWAY NUMBER
highway	15	*	HIGHWAY CONTROL SECTION
hillsdale	10	30	Hillsdale
hit	39	*	FLAG: HIT AND RUN
houghton	10	31	Houghton
hour	9	*	HOUR OF WEEK
hour	24	5	5 miles per hour
house	107	2	House
huron	10	32	Huron
hydrant	114	43	Fire hydrant
hydrant	115	43	Fire hydrant
hydrant	116	43	Fire hydrant
hydrant	117	43	Fire hydrant
hydrant	122	43	Fire hydrant
icy	23	3	Icy
idaho	108	13	Idaho

Michigan 1994 Index (continued)

Item	Var	CV	Variable Name or Code Value
idaho	151	13	Idaho
idaho	213	13	Idaho
ii	222	*	SAE AXLE TYPE: II
iii	223	*	SAE AXLE TYPE: III
illinois	108	14	Illinois
illinois	151	14	Illinois
illinois	213	14	Illinois
immersion	114	9	Immersion
immersion	115	9	Immersion
immersion	116	9	Immersion
immersion	117	9	Immersion
immersion	122	9	Immersion
impact	109	*	WORST IMPACT POINT
impact	114	44	Impact attenuator/crash cushion
impact	115	44	Impact attenuator/crash cushion
impact	116	44	Impact attenuator/crash cushion
impact	117	44	Impact attenuator/crash cushion
impact	122	44	Impact attenuator/crash cushion
incapacitating	64	2	A - incapacitating injury
incapacitating	136	2	A - incapacitating injury
incapacitating	159	2	Incapacitating injury
incapacitating	310	2	Incapacitating injury
indiana	108	15	Indiana
indiana	151	15	Indiana
indiana	213	15	Indiana
individual	114	13	Individual fell off
individual	115	13	Individual fell off
individual	116	13	Individual fell off
individual	117	13	Individual fell off
individual	122	13	Individual fell off
information	126	*	DRINKING INFORMATION
information	127	*	REFUSAL INFORMATION
information	214	*	SOURCE OF CDL INFO
ingham	10	33	Ingham
injured	62	*	NUMBER INJURED IN CRASH
injured	69	*	TOTAL INJURED IN ACC
injured	135	*	CMPTD NUMBER INJURED
injured	138	*	TU TOTAL A INJURED
injured	139	*	TU TOTAL B INJURED
injured	140	*	TU TOTAL C INJURED
injured	141	*	TU TOTAL INJURED
injuries	44	1	This is a P.D. only crash (no injuries o
injuries	57	1	This is an injury crash (injuries but no
injury	57	*	FLAG: INJURY CRASH
injury	64	*	WORST INJURY IN ACCIDENT
injury	136	*	TU WORST INJURY
injury	159	*	DRIVER DEGREE OF INJURY
injury	310	*	PASSENGER DEGREE OF INJ
inter	215	*	INTER/INTRA STATE
intersect	18	5	Streets do not intersect in co/city give
intersect	22	9	Other intersect related
intersecting	12	2	Reverse direction intersecting street is
intersecting	18	4	Intersecting street not found in co/city
intersection	19	10	(X) At intersection
intersection	22	7	Within intersection
intersection	112	24	Crossing at intersection

Michigan 1994 Index (continued)

Item	Var	CV	Variable Name or Code Value
interstate	13	1	Interstate route
interstate	215	1	Interstate only
intra	215	*	INTER/INTRA STATE
intrastate	215	2	Intrastate
investigated	33	*	CRASH INVESTGTD AT SCENE
ionia	10	34	Ionia
iosco	10	35	Iosco
iowa	108	16	Iowa
iowa	151	16	Iowa
iowa	213	16	Iowa
iron	10	36	Iron
isabella	10	37	Isabella
island	114	42	Traffic island
island	115	42	Traffic island
island	116	42	Traffic island
island	117	42	Traffic island
island	122	42	Traffic island
iv	224	*	SAE AXLE TYPE: IV
jackknife	114	10	Jackknife
jackknife	115	10	Jackknife
jackknife	116	10	Jackknife
jackknife	117	10	Jackknife
jackknife	122	10	Jackknife
jackson	10	38	Jackson
january	2	1	January
january	6	1	January 1- January 7
julian	7	*	JULIAN DAY FROM 03-01-00
july	2	7	July
july	6	27	July 1- July 7
june	2	6	June
june	6	22	May 27 - June 2
kalamazoo	10	39	Kalamazoo
kalkaska	10	40	Kalkaska
kansas	108	17	Kansas
kansas	151	17	Kansas
kansas	213	17	Kansas
kent	10	41	Kent
kentucky	108	18	Kentucky
kentucky	151	18	Kentucky
kentucky	213	18	Kentucky
keweenaw	10	42	Keweenaw
killed	63	1	One killed
killed	65	*	TOTAL KILLED IN ACC
killed	134	0	0 killed
killed	137	*	TU TOTAL KILLED
killed	159	1	Killed
killed	310	1	Killed
lake	10	43	Lake
lane	20	*	NUMBER OF TRAFFIC LANES
lane	28	*	CONSTRUCTION LANE CLOSED
lane	112	6	Change lanes
lane	123	8	Improper lane usage
lap	147	3	Lap only used
lap	303	3	Lap only used
lapeer	10	44	Lapeer
lay	112	29	Stand/lay in road

Michigan 1994 Index (continued)

Item	Var	CV	Variable Name or Code Value
leelanau	10	45	Leelanau
left	32	3	Head on left
left	112	2	Turning left
left	114	3	Ran off road left
left	115	3	Ran off road left
left	116	3	Ran off road left
left	117	3	Ran off road left
left	122	3	Ran off road left
left	123	6	Left of center
left	146	1	Left front, in-line vehicle driver, Unco
left	302	1	Left front, in-line vehicle driver, unco
lenawee	10	46	Lenawee
license	151	*	DRIVER LICENSE STATE
license	152	*	LICENSE TYPE
license	153	*	LICENSE TYPE - CYCLE
license	154	*	LICENSE TYPE - FARM
license	213	*	CDL LICENSE STATE
license-recreational	155	*	LICENSE-RECREATIONAL DBL
light	31	*	LIGHT
light	106	2	Lights/reflectors
limit	24	*	SPEED LIMIT AT CRASHSITE
limit	25	*	POSTED SPEED LIMIT
livingston	10	47	Livingston
local	14	991	Major arterial local trafficway (not a s
local	41	*	FLAG: SPECIAL LOCAL STDY
located	13	0	Not located
located	17	1	Successfully located
log	214	2	Log
loop	13	4	Interstate business loop or spur
louisiana	108	19	Louisiana
louisiana	151	19	Louisiana
louisiana	213	19	Louisiana
luce	10	48	Luce
luminaire	114	30	Luminaire support
luminaire	115	30	Luminaire support
luminaire	116	30	Luminaire support
luminaire	117	30	Luminaire support
luminaire	122	30	Luminaire support
mackinac	10	49	Mackinac
macomb	10	50	Macomb
mailbox	114	38	Mailbox
mailbox	115	38	Mailbox
mailbox	116	38	Mailbox
mailbox	117	38	Mailbox
mailbox	122	38	Mailbox
maine	108	20	Maine
maine	151	20	Maine
maine	213	20	Maine
maintenance	105	10	Road construction/maintenance
maintenance	27	1	Construction/Maintenance
major	14	991	Major arterial local trafficway (not a s
male	158	1	Male
male	309	1	Male
mali	17	2	Could not automatically locate in MALI i
manistee	10	51	Manistee
manitoba	108	55	Manitoba

Michigan 1994 Index (continued)

Item	Var	CV	Variable Name or Code Value
manitoba	151	55	Manitoba
manitoba	213	55	Manitoba
march	2	3	March
march	6	9	February 26 - March 3
marking	214	4	Markings
marquette	10	52	Marquette
maryland	108	21	Maryland
maryland	151	21	Maryland
maryland	213	21	Maryland
mason	10	53	Mason
massachusetts	108	22	Massachusetts
massachusetts	151	22	Massachusetts
massachusetts	213	22	Massachusetts
may	2	5	May
may	6	18	April 29 - May 5
mdot	12	0	Primary street is not an MDOT Control Se
mecosta	10	54	Mecosta
median	21	2	In the median
median	22	2	Median crossing related
median	114	2	Cross center/median
median	115	2	Cross center/median
median	116	2	Cross center/median
median	117	2	Cross center/median
median	122	2	Cross center/median
medical	207	*	MEDICAL CARD
menominee	10	55	Menominee
mexico	108	65	Mexico
mexico	151	65	Mexico
mexico	213	65	Mexico
michigan	13	3	Michigan route
michigan	108	23	Michigan
michigan	151	23	Michigan
michigan	213	23	Michigan
midland	10	56	Midland
midnight	5	24	Midnight
milepoint	16	*	CONTROL SECTION MLPT
military	105	7	Military vehicle
minnesota	108	24	Minnesota
minnesota	151	24	Minnesota
minnesota	213	24	Minnesota
missaukee	10	57	Missaukee
mississippi	108	25	Mississippi
mississippi	151	25	Mississippi
mississippi	213	25	Mississippi
missouri	108	26	Missouri
missouri	151	26	Missouri
missouri	213	26	Missouri
mix	43	*	TRAFFIC UNIT MIX
mixer	103	5	Concrete mixer
moderate	110	3	Moderate damage
monday	8	2	Monday
monday	9	24	12:00 a.m. Monday - 12:59 a.m. Monday
monroe	10	58	Monroe
montana	108	27	Montana
montana	151	27	Montana
montana	213	27	Montana

Michigan 1994 Index (continued)

Item	Var	CV	Variable Name or Code Value
montcalm	10	59	Montcalm
month	2	*	ACCIDENT MONTH
montmorency	10	60	Montmorency
moped	43	4	Car - motorcycle, moped
moped	101	6	Moped (MO)
moped	152	1	Operators (uncoded & errors), Chauffeurs
motorcycle	43	4	Car - motorcycle, moped
motorhome	101	2	Van, motorhome (VA)
motor-vehicle	114	17	Motor-vehicle in transport
motor-vehicle	115	17	Motor-vehicle in transport
motor-vehicle	116	17	Motor-vehicle in transport
motor-vehicle	117	17	Motor-vehicle in transport
motor-vehicle	122	17	Motor-vehicle in transport
muddy	23	5	Muddy
muskegon	10	61	Muskegon
nebraska	108	28	Nebraska
nebraska	151	28	Nebraska
nebraska	213	28	Nebraska
nevada	108	29	Nevada
nevada	151	29	Nevada
nevada	213	29	Nevada
new brunswick	108	56	New Brunswick
new brunswick	151	56	New Brunswick
new brunswick	213	56	New Brunswick
new hampshire	108	30	New Hampshire
new hampshire	151	30	New Hampshire
new hampshire	213	30	New Hampshire
new jersey	108	31	New Jersey
new jersey	151	31	New Jersey
new jersey	213	31	New Jersey
new mexico	108	32	New Mexico
new mexico	151	32	New Mexico
new mexico	213	32	New Mexico
new york	108	33	New York
new york	151	33	New York
new york	213	33	New York
newaygo	10	62	Newaygo
newfoundland	108	57	Newfoundland
newfoundland	151	57	Newfoundland
newfoundland	213	57	Newfoundland
noncollision	114	14	Other noncollision
noncollision	115	14	Other noncollision
noncollision	116	14	Other noncollision
noncollision	117	14	Other noncollision
noncollision	122	14	Other noncollision
noncommerical	107	*	NONCOMM TRAILER CONFIG
nonemergency	105	8	Other government nonemergency vehicle
nonfixed	114	21	Other nonfixed object
nonfixed	115	21	Other nonfixed object
nonfixed	116	21	Other nonfixed object
nonfixed	117	21	Other nonfixed object
nonfixed	122	21	Other nonfixed object
nonincapacitating	64	3	B - nonincapacitating injury
nonincapacitating	136	3	B - nonincapacitating injury
nonincapacitating	159	3	Nonincapacitating injury
nonincapacitating	310	3	Nonincapacitating injury

Michigan 1994 Index (continued)

Item	Var	CV	Variable Name or Code Value
nonnumeric data	10	99	Nonnumeric data
nonparked	60	*	TOTAL NONPARKED UNITS
nontraffic	12	4	Nontraffic location (internally generate
nontraffic	22	19	Nontraffic area
nontraffic	52	*	FLAG: NONTRAFFIC CRASH
north	19	4	(N) North
north	113	2	North
north carolina	108	34	North Carolina
north carolina	151	34	North Carolina
north carolina	213	34	North Carolina
north dakota	108	35	North Dakota
north dakota	151	35	North Dakota
north dakota	213	35	North Dakota
northeast	19	5	(NE) Northeast
northeast	113	3	Northeast
northwest	19	6	(NW) Northwest
northwest	113	4	Northwest
northwest territorie	108	58	Northwest Territories
northwest territorie	151	58	Northwest Territories
northwest territorie	213	58	Northwest Territories
nova scotia	108	59	Nova Scotia
nova scotia	151	59	Nova Scotia
nova scotia	213	59	Nova Scotia
november	2	11	November
november	6	44	October 28 - November 3
oakland	10	63	Oakland
occupant	133	*	TOTAL OCCUPANTS IN VEH
occupant	144	*	TOTAL OCC RECS FOR TU
oceana	10	64	Oceana
october	2	10	October
october	6	40	September 30 - October 6
offered	127	2	Not offered
ogemaw	10	65	Ogemaw
ohio	108	36	Ohio
ohio	151	36	Ohio
ohio	213	36	Ohio
oklahoma	108	37	Oklahoma
oklahoma	151	37	Oklahoma
oklahoma	213	37	Oklahoma
ontario	108	60	Ontario
ontario	151	60	Ontario
ontario	213	60	Ontario
ontonagon	10	66	Ontonagon
operator	45	*	FLAG: DRINKING OPERATOR
operator	152	1	Operators (uncoded & errors), Chauffeurs
oregon	108	38	Oregon
oregon	151	38	Oregon
oregon	213	38	Oregon
original	19	*	ORIG DIRECTION
orv	49	*	FLAG: ORV INVOLVED
osceola	10	67	Osceola
oscoda	10	68	Oscoda
otsego	10	69	Otsego
ottawa	10	70	Ottawa
outside	21	4	Outside of the shoulder/curb-line
overtake	112	17	Overtake/passing

Michigan 1994 Index (continued)

Item	Var	CV	Variable Name or Code Value
overturn	114	6	Overturn
overturn	115	6	Overturn
overturn	116	6	Overturn
overturn	117	6	Overturn
overturn	122	6	Overturn
papers	214	1	Papers
parapet	114	23	Bridge parapet end
parapet	115	23	Bridge parapet end
parapet	116	23	Bridge parapet end
parapet	117	23	Bridge parapet end
parapet	122	23	Bridge parapet end
parked	112	23	Parked
parked	114	18	Parked vehicle
parked	115	18	Parked vehicle
parked	116	18	Parked vehicle
parked	117	18	Parked vehicle
parked	122	18	Parked vehicle
parking	22	13	Parking related
parking	112	12	Enter parking
passenger	101	1	Passenger & station wagon (PA)
passenger	102	4	Commercial truck AP (Group A vehicle, Pa
passenger	109	2	Front corner, passenger side
passenger	146	4	Left rear, in-line vehicle passenger #1
passenger	301	*	PASSENGER NUMBER
passenger	302	*	PASSENGER POSITION
passenger	303	*	PASSENGER RESTRAINT
passenger	304	*	PASSENGER AIRBAG
passenger	305	*	PASSENGER EJECTION
passenger	306	*	PASSENGER TRAPPED
passenger	309	*	PASSENGER SEX
passenger	310	*	PASSENGER DEGREE OF INJ
passing	112	17	Overtake/passing
passing	123	7	Improper passing
pbt	129	*	PBT TEST
pedalcycle	114	16	Pedalcycle
pedalcycle	115	16	Pedalcycle
pedalcycle	116	16	Pedalcycle
pedalcycle	117	16	Pedalcycle
pedalcycle	122	16	Pedalcycle
pedalcyclist	43	6	Car - pedestrian, pedalcyclist
pedestrian	43	6	Car - pedestrian, pedalcyclist
pedestrian	45	1	This crash involved a drinking driver/pe
pedestrian	50	*	FLAG: PEDESTRIAN
pedestrian	51	*	FLAG: PED REC PRESENT
pedestrian	112	19	Avoiding pedestrian
pedestrian	114	15	Pedestrian
pedestrian	115	15	Pedestrian
pedestrian	116	15	Pedestrian
pedestrian	117	15	Pedestrian
pedestrian	122	15	Pedestrian
pedestrian	133	1	1 occupant or pedestrian
pedestrian	146	52	(P) Pedestrian
pedestrian	302	52	(P) Pedestrian
pennsylvania	108	39	Pennsylvania
pennsylvania	151	39	Pennsylvania
pennsylvania	213	39	Pennsylvania

Michigan 1994 Index (continued)

Item	Var	CV	Variable Name or Code Value
pickup	101	3	Pickup (PU)
pier	114	22	Bridge pier or abutment
pier	115	22	Bridge pier or abutment
pier	116	22	Bridge pier or abutment
pier	117	22	Bridge pier or abutment
pier	122	22	Bridge pier or abutment
placard	219	*	HAZMAT: PLACARD
platform	103	3	Flatbed/platform
playing	112	32	Playing in road
point	109	*	WORST IMPACT POINT
pole	114	31	Utility pole
pole	115	31	Utility pole
pole	116	31	Utility pole
pole	117	31	Utility pole
pole	122	31	Utility pole
police	48	1	This crash involved a police/fire/ambula
police	104	1	Police
position	146	*	DRIVER POSITION
position	302	*	PASSENGER POSITION
post	114	28	Traffic sign post
post	115	28	Traffic sign post
post	116	28	Traffic sign post
post	117	28	Traffic sign post
post	122	28	Traffic sign post
posted	25	*	POSTED SPEED LIMIT
pound	101	4	Truck under 10,000 lbs. (ST)
presque isle	10	71	Presque Isle
primary	12	0	Primary street is not an MDOT Control Se
prince edward island	108	61	Prince Edward Island
prince edward island	151	61	Prince Edward Island
prince edward island	213	61	Prince Edward Island
private	105	1	Private
processed	61	*	TOTAL UNITS PROCESSED
property	35	*	PUBLIC PROPERTY DAMAGED
property	44	*	FLAG: PROPERTY DAMAGE
pu	101	3	Pickup (PU)
public	35	*	PUBLIC PROPERTY DAMAGED
puerto rico	108	40	Puerto Rico
puerto rico	151	40	Puerto Rico
puerto rico	213	40	Puerto Rico
pursuing	40	*	FLAG: FLEEING /PURSUING
pursuit	105	3	Pursuit/emergency (in use)
push	112	30	Push/work on vehicle
quebec	108	62	Quebec
quebec	151	62	Quebec
quebec	213	62	Quebec
rail	22	16	Rail crossing related
rail	114	24	Bridge rail
rail	115	24	Bridge rail
rail	116	24	Bridge rail
rail	117	24	Bridge rail
rail	122	24	Bridge rail
railway	114	19	Railway train
railway	115	19	Railway train
railway	116	19	Railway train
railway	117	19	Railway train

Michigan 1994 Index (continued)

Item	Var	CV	Variable Name or Code Value
railway	122	19	Railway train
rain	30	4	Rain
ramp	18	9	Direction used on ramp is not ER or BR
ramp	19	1	(BR) Begin Ramp
ramp	21	5	In the gore (area between ramp and Xway
ramp	22	1	Entrance/exit ramp related
rating	216	*	GROSS VEH WEIGHT RATING
rear	32	5	Rear end
rear	109	4	Rear corner, passenger side
rear	146	4	Left rear, in-line vehicle passenger #1
rear	302	4	Left rear, in-line vehicle passenger #1
reason	18	99	Other reason than 0109, nonnumeric data
reason	112	33	Other reason in road
rec	144	*	TOTAL OCC RECS FOR TU
recreational	107	6	Recreational double
recreational	155	0	No recreational double (uncoded & errors
re-enter	114	5	Re-enter road
re-enter	115	5	Re-enter road
re-enter	116	5	Re-enter road
re-enter	117	5	Re-enter road
re-enter	122	5	Re-enter road
reflector	106	2	Lights/reflectors
refusal	127	*	REFUSAL INFORMATION
refuse	103	7	Garbage/refuse
refused	127	1	Refused
registration	108	*	REGISTRATION STATE
relationship	21	*	RELATIONSHIP TO ROADWAY
repairable	110	7	Heavy damage, not repairable
rest	22	4	Rest area related
restraint	147	*	DRIVER RESTRAINT
restraint	303	*	PASSENGER RESTRAINT
restriction	208	*	CDL RESTRICTION 28
restriction	209	*	CDL RESTRICTION 29
restriction	210	*	CDL RESTRICTION 30
restriction	211	*	CDL RESTRICTION 35
restriction	212	*	CDL RESTRICTION 36
rhode island	108	41	Rhode Island
rhode island	151	41	Rhode Island
rhode island	213	41	Rhode Island
right	32	7	Rear end right
right	112	3	Turning right
right	114	4	Ran off road right
right	115	4	Ran off road right
right	116	4	Ran off road right
right	117	4	Ran off road right
right	122	4	Ran off road right
right	146	3	Right front
right	302	3	Right front
road	13	9	County road, city street, or unknown
road	14	991	Major arterial local trafficway (not a s
road	21	1	On the road
road	22	*	AREA OF ROAD AT CRASH
road	23	*	ROAD CONDITIONS
road	29	1	On road
road	49	1	This crash involved an Off Road Vehicle
road	101	9	Off Road Vehicle-ORV/All Terrain Vehicle

Michigan 1994 Index (continued)

Item	Var	CV	Variable Name or Code Value
road	105	10	Road construction/maintenance
road	112	4	Stopped on road
road	114	3	Ran off road left
road	115	3	Ran off road left
road	116	3	Ran off road left
road	117	3	Ran off road left
road	122	3	Ran off road left
roadway	20	0	Crash occurred on other than a roadway
roadway	21	*	RELATIONSHIP TO ROADWAY
roscommon	10	72	Roscommon
route	13	1	Interstate route
run	39	*	FLAG: HIT AND RUN
runaway	114	11	Downhill runaway
runaway	115	11	Downhill runaway
runaway	116	11	Downhill runaway
runaway	117	11	Downhill runaway
runaway	122	11	Downhill runaway
sae	221	*	SAE AXLE TYPE: I
sae	222	*	SAE AXLE TYPE: II
sae	223	*	SAE AXLE TYPE: III
sae	224	*	SAE AXLE TYPE: IV
saginaw	10	73	Saginaw
sanilac	10	74	Sanilac
saskatchewan	108	63	Saskatchewan
saskatchewan	151	63	Saskatchewan
saskatchewan	213	63	Saskatchewan
saturday	8	7	Saturday
saturday	9	144	12:00 a.m. Saturday - 12:59 a.m. Saturda
scale	22	5	Scale/weigh station related
scene	33	*	CRASH INVESTGTD AT SCENE
school	38	*	FLAG: SCHOOL BUS INV/ASC
school	105	5	School/education
schoolcraft	10	75	Schoolcraft
seat	146	7	Left rear 3rd seat, in-line vehicle pass
seat	302	7	Left rear 3rd seat, in-line vehicle pass
section	12	*	CONTROL SECTION
section	15	*	HIGHWAY CONTROL SECTION
section	16	*	CONTROL SECTION MLPT
september	2	9	September
september	6	35	August 26 - September 1
service	13	8	Service drive
severe	30	6	Severe wind
sex	158	*	DRIVER SEX
sex	309	*	PASSENGER SEX
shiawassee	10	76	Shiawassee
shift	114	12	Cargo loss/shift
shift	115	12	Cargo loss/shift
shift	116	12	Cargo loss/shift
shift	117	12	Cargo loss/shift
shift	122	12	Cargo loss/shift
shoulder	21	3	On the shoulder
shoulder	147	2	Shoulder only used
shoulder	303	2	Shoulder only used
sideswipe	32	8	Sideswipe same direction
sign	26	2	Stop Sign
sign	114	28	Traffic sign post

Michigan 1994 Index (continued)

Item	Var	CV	Variable Name or Code Value
sign	115	28	Traffic sign post
sign	116	28	Traffic sign post
sign	117	28	Traffic sign post
sign	122	28	Traffic sign post
signal	26	1	Signal
signal	114	29	Signal post
signal	115	29	Signal post
signal	116	29	Signal post
signal	117	29	Signal post
signal	122	29	Signal post
signal	123	10	Improper signal
single	32	1	Single vehicle
single	43	1	Single traffic unit
site	18	6	Location matches more than one site
sleeper	146	10	In sleeper
sleeper	302	10	In sleeper
sleet	30	7	Sleet/hail
slight	110	1	Slight damage
slow	123	2	Speed too slow
slowing	112	8	Slowing/stopping on road
slushy	23	6	Slushy
smoke	30	3	Fog/smoke
snow	30	5	Snow/blowing snow
snowmobile	47	*	FLAG: SNOWMOBILE
snowmobile	101	8	Snowmobile (SM)
snowy	23	4	Snowy
sobriety	128	*	FIELD SOBRIETY TEST
south	19	7	(S) South
south	113	5	South
south carolina	108	42	South Carolina
south carolina	151	42	South Carolina
south carolina	213	42	South Carolina
south dakota	108	43	South Dakota
south dakota	151	43	South Dakota
south dakota	213	43	South Dakota
southeast	19	8	(SE) Southeast
southeast	113	6	Southeast
southwest	19	9	(SW) Southwest
southwest	113	7	Southwest
special	36	*	FLAG: NO SPECIAL CIRCUMS
special	41	*	FLAG: SPECIAL LOCAL STDY
special	42	*	FLAG: SPECIAL STATE STDY
special	104	*	SPECIAL VEHICLE
speed	24	*	SPEED LIMIT AT CRASHSITE
speed	25	*	POSTED SPEED LIMIT
speed	123	1	Speed too fast
spill	220	*	HAZMAT: SPILL
spur	13	4	Interstate business loop or spur
st. clair	10	77	St. Clair
st. joseph	10	78	St. Joseph
stand	112	29	Stand/lay in road
state	14	991	Major arterial local trafficway (not a s
state	42	*	FLAG: SPECIAL STATE STDY
state	108	*	REGISTRATION STATE
state	151	*	DRIVER LICENSE STATE
state	213	*	CDL LICENSE STATE

Michigan 1994 Index (continued)

Item	Var	CV	Variable Name or Code Value
state	215	*	INTER/INTRA STATE
station	22	5	Scale/weigh station related
station	101	1	Passenger & station wagon (PA)
status	34	*	COMPLAINT STATUS
steering	106	3	Steering
stop	26	2	Stop Sign
straight	22	10	Straight road unrelated others
straight	112	1	Going straight
street	12	0	Primary street is not an MDOT Control Se
street	13	9	County road, city street, or unknown
street	14	993	City street that is not major arterial
street	18	4	Intersecting street not found in co/city
streets	18	5	Streets do not intersect in co/city give
study	41	*	FLAG: SPECIAL LOCAL STDY
study	42	*	FLAG: SPECIAL STATE STDY
style	103	*	CDL TRUCK BODY STYLE
sunday	8	1	Sunday
sunday	9	0	12:00 a.m. Sunday - 12:59 a.m. Sunday
support	114	30	Luminaire support
support	115	30	Luminaire support
support	116	30	Luminaire support
support	117	30	Luminaire support
support	122	30	Luminaire support
tank	102	3	Commercial truck AN (Group A vehicle, Ta
tank	103	2	Cargo tank
tdc-umtri	1	*	TDC-UMTRI CASE NUMBER
tdc-umtri	145	*	TDC-UMTRI UNIT NUMBER
tennessee	108	44	Tennessee
tennessee	151	44	Tennessee
tennessee	213	44	Tennessee
terrain	101	9	Off Road Vehicle-ORV/All Terrain Vehicle
test	128	*	FIELD SOBRIETY TEST
test	129	*	PBT TEST
test	130	*	BREATHALYZER TEST
test	131	*	URINE TEST
test	132	*	BLOOD TEST
texas	108	45	Texas
texas	151	45	Texas
texas	213	45	Texas
thursday	8	5	Thursday
thursday	9	96	12:00 a.m. Thursday - 12:59 a.m. Thursda
time	5	*	TIME OF DAY
tire	106	4	Tires/wheels
took	32	*	HOW CRASH TOOK PLACE
towed	107	5	Towed auto
township	11	*	CITY OR TOWNSHIP
township	18	2	Invalid city/township
traffic	20	*	NUMBER OF TRAFFIC LANES
traffic	26	*	TRAFFIC CONTROL
traffic	43	*	TRAFFIC UNIT MIX
traffic	112	27	In road with traffic
traffic	114	28	Traffic sign post
traffic	115	28	Traffic sign post
traffic	116	28	Traffic sign post
traffic	117	28	Traffic sign post
traffic	122	28	Traffic sign post

Michigan 1994 Index (continued)

Item	Var	CV	Variable Name or Code Value
traffic	123	4	Traffic control
traffic-unit	136	*	TU WORST INJURY
traffic-unit	137	*	TU TOTAL KILLED
traffic-unit	138	*	TU TOTAL A INJURED
traffic-unit	139	*	TU TOTAL B INJURED
traffic-unit	140	*	TU TOTAL C INJURED
traffic-unit	141	*	TU TOTAL INJURED
traffic-unit	142	*	TU TOTAL CASUALTIES
traffic-unit	143	*	TU TOTAL UNINJURED
traffic-unit	144	*	TOTAL OCC RECS FOR TU
trafficway	14	991	Major arterial local trafficway (not a s
trailer	107	*	NONCOMM TRAILER CONFIG
trailing	146	13	In/on trailing unit
trailing	302	13	In/on trailing unit
train	55	*	FLAG: TRAIN ACCIDENT
train	114	19	Railway train
train	115	19	Railway train
train	116	19	Railway train
train	117	19	Railway train
train	122	19	Railway train
transition	22	3	Transition area
transport	114	17	Motor-vehicle in transport
transport	115	17	Motor-vehicle in transport
transport	116	17	Motor-vehicle in transport
transport	117	17	Motor-vehicle in transport
transport	122	17	Motor-vehicle in transport
transporter	103	6	Auto transporter
trapped	150	*	DRIVER TRAPPED
trapped	306	*	PASSENGER TRAPPED
travel	113	*	DIRECTION OF TRAVEL
tree	114	39	Tree
tree	115	39	Tree
tree	116	39	Tree
tree	117	39	Tree
tree	122	39	Tree
triple	102	5	Commercial truck AT (Group A vehicle, Do
truck	43	3	Car - truck
truck	46	*	FLAG: TRUCK OR BUS
truck	56	*	NUMBER TRUCK SUPPL FORMS
truck	101	4	Truck under 10,000 lbs. (ST)
truck	102	*	CDL TRUCK TYPE
truck	103	*	CDL TRUCK BODY STYLE
tuesday	8	3	Tuesday
tuesday	9	48	12:00 a.m. Tuesday - 12:59 a.m. Tuesday
turn	123	9	Improper turn
tuscola	10	79	Tuscola
type	27	*	CONSTRUCTION TYPE
type	101	*	VEHICLE TYPE
type	102	*	CDL TRUCK TYPE
type	152	*	LICENSE TYPE
type	153	*	LICENSE TYPE - CYCLE
type	154	*	LICENSE TYPE - FARM
type	200	*	CDL TYPE 1
type	201	*	CDL TYPE 2 H
type	202	*	CDL TYPE 2 N
type	203	*	CDL TYPE 2 P

Michigan 1994 Index (continued)

Item	Var	CV	Variable Name or Code Value
type	204	*	CDL TYPE 2 T
type	205	*	CDL TYPE 2 X
type	217	*	HAZMAT: TYPE
type	221	*	SAE AXLE TYPE: I
type	222	*	SAE AXLE TYPE: II
type	223	*	SAE AXLE TYPE: III
type	224	*	SAE AXLE TYPE: IV
undercarriage	109	9	Undercarriage
unenclosed	146	12	Other unenclosed area
unenclosed	302	12	Other unenclosed area
uninjured	71	*	TOTAL UNINJURED IN ACC
uninjured	143	*	TU TOTAL UNINJURED
urine	131	*	URINE TEST
usage	123	8	Improper lane usage
utah	108	46	Utah
utah	151	46	Utah
utah	213	46	Utah
utility	27	2	Utility
utility	105	9	Utility
utility	107	1	Utility
utility	114	31	Utility pole
utility	115	31	Utility pole
utility	116	31	Utility pole
utility	117	31	Utility pole
utility	122	31	Utility pole
u-turn	112	16	U-turn
van	101	2	Van, motorhome (VA)
van	103	1	Van/enclosed box
van buren	10	80	Van Buren
vehicle-atv	101	9	Off Road Vehicle-ORV/All Terrain Vehicle
vehicle-orv	101	9	Off Road Vehicle-ORV/All Terrain Vehicle
vermont	108	47	Vermont
vermont	151	47	Vermont
vermont	213	47	Vermont
virginia	108	48	Virginia
virginia	151	48	Virginia
virginia	213	48	Virginia
wagon	101	1	Passenger & station wagon (PA)
washington	108	49	Washington
washington	151	49	Washington
washington	213	49	Washington
washtenaw	10	81	Washtenaw
way	123	5	Wrong way
wayne	10	82	Wayne
weather	30	*	WEATHER
wednesday	8	4	Wednesday
wednesday	9	72	12:00 a.m. Wednesday - 12:59 a.m. Wednes
week	6	*	WEEK OF YEAR
week	8	*	DAY OF WEEK
week	9	*	HOUR OF WEEK
weigh	22	5	Scale/weigh station related
weight	216	*	GROSS VEH WEIGHT RATING
west	19	11	(W) West
west	113	8	West
west virginia	108	50	West Virginia
west virginia	151	50	West Virginia

Michigan 1994 Index (continued)

Item	Var	CV	Variable Name or Code Value
west virginia	213	50	West Virginia
wet	23	2	Wet
wexford	10	83	Wexford
wheel	106	4	Tires/wheels
wind	30	6	Severe wind
window	106	5	Windows
wisconsin	108	51	Wisconsin
wisconsin	151	51	Wisconsin
wisconsin	213	51	Wisconsin
work	112	30	Push/work on vehicle
worst	64	*	WORST INJURY IN ACCIDENT
worst	109	*	WORST IMPACT POINT
worst	136	*	TU WORST INJURY
wrong	123	5	Wrong way
wyoming	108	52	Wyoming
wyoming	151	52	Wyoming
wyoming	213	52	Wyoming
xway	21	5	In the gore (area between ramp and Xway
year	4	*	ACCIDENT YEAR
year	6	*	WEEK OF YEAR
year	157	0	Less than 1 year old
year	308	0	Less than 1 year old
yield	26	3	Yield Sign
yield	123	3	Fail to yield
yukon	108	64	Yukon
yukon	151	64	Yukon
yukon	213	64	Yukon

