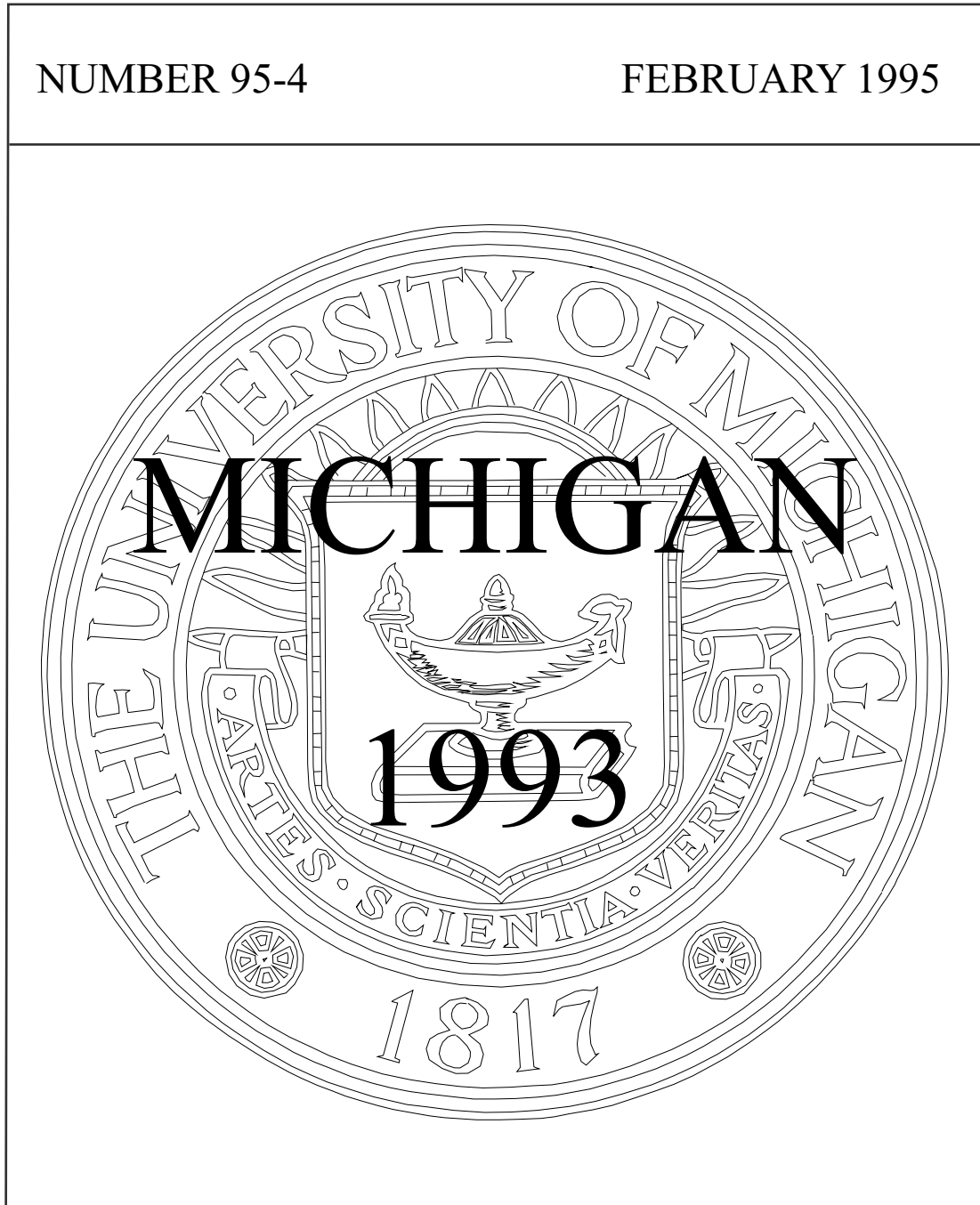


Transportation Data Center  
Data Set Codebook

NUMBER 95-4

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The University of Michigan  
Transportation Research Institute



STATE OF MICHIGAN  
1993 MOTOR VEHICLE ACCIDENT CODEBOOK

INTRODUCTION

This codebook documents data sets describing motor vehicle accidents that occurred in the State of Michigan during calendar year 1993. 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 1993 data as "transitional." Direct comparisons and trends using the 1993 data should be made cautiously. In no way should the 1993 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 1993, 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.).

#### 1993 MICHIGAN DATA SETS

CATEGORY	KEY	VARIABLES	CASES
Census	MIC93ACC	1-71	363,636
	MIC93VEH	1-71, 100-159	641,718
	MIC93OCC	1-71, 100-159, 300-311	682,099
Truck	MIT93ACC	1-71	14,237
	MIT93VEH	1-71, 100-159, 200-224	27,245
	MIT93OCC	1-71, 100-159, 200-224, 300-311	28,697

- 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 November 17, 1994) 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  
1993 - 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	2
5	TIME OF DAY	2	Numeric	2
6	WEEK OF YEAR	2	Numeric	3
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	8
11	CITY OR TOWNSHIP	2	Numeric	9
12	CONTROL SEC	1	Numeric	10
13	HIGHWAY CLASS	1	Numeric	10
14	HIGHWAY NUMBER	3	Numeric	10
15	HIGHWAY CONTROL SECTION	5	Numeric	11
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  
1993 - Accident

Variable Number	Variable Name	Width	Storage Type	Page Number
51	FLAG: PED REC PRESENT	1	Numeric	20
52	FLAG: NON-TRAFFIC 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 RECS	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 NON-PARKED 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 ACC	1	Numeric	24
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	25
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  
1993 - Vehicle/Driver

Variable Number	Variable Name	Width	Storage Type	Page Number
100	UNIT NUMBER	2	Numeric	29
101	VEHICLE TYPE	2	Numeric	29
102	CDL TRUCK TYPE	2	Numeric	30
103	CDL TRUCK BODY STYLE	2	Numeric	31
104	SPECIAL VEHICLE	1	Numeric	31
105	VEHICLE USE	2	Numeric	31
106	VEHICLE DEFECT	1	Numeric	32
107	NONCOMM TRAILER CONFIG	1	Numeric	32
108	REGISTRATION STATE	2	Numeric	32
109	WORST IMPACT POINT	2	Numeric	34
110	EXTENT OF DAMAGE	1	Numeric	34
111	DRIVABLE AFTER CRASH	1	Numeric	34
112	ACTION PRIOR TO CRASH	2	Numeric	35
113	DIRECTION OF TRAVEL	2	Numeric	35
114	HARMFUL EVENT #1	2	Numeric	36
115	HARMFUL EVENT #2	2	Numeric	37
116	HARMFUL EVENT #3	2	Numeric	38
117	HARMFUL EVENT #4	2	Numeric	39
118	EVENT 1 MOST HARMFUL	1	Numeric	41
119	EVENT 2 MOST HARMFUL	1	Numeric	41
120	EVENT 3 MOST HARMFUL	1	Numeric	41
121	EVENT 4 MOST HARMFUL	1	Numeric	41
122	MOST HARMFUL EVENT:MOST	2	Numeric	42
123	HAZARDOUS ACTION	2	Numeric	43
124	DRIVER HAZARDOUS CITATN	1	Numeric	43
125	DRIVER OTHER CITATION	1	Numeric	43
126	DRINKING INFORMATION	1	Numeric	44
127	REFUSAL INFORMATION	1	Numeric	44
128	FIELD SOBRIETY TEST	1	Numeric	44
129	PBT TEST	1	Numeric	44
130	BREATHALYZER TEST	1	Numeric	44
131	URINE TEST	1	Numeric	45
132	BLOOD TEST	1	Numeric	45
133	TOTAL OCCUPANTS IN VEH	2	Numeric	45
134	CMPTD NUMBER FATAL	3	Numeric	45
135	CMPTD NUMBER INJURED	3	Numeric	46
136	TU WORST INJURY	1	Numeric	46
137	TU TOTAL KILLED	2	Numeric	46
138	TU TOTAL A INJURED	2	Numeric	46
139	TU TOTAL B INJURED	2	Numeric	47
140	TU TOTAL C INJURED	2	Numeric	47
141	TU TOTAL INJURED	2	Numeric	48
142	TU TOTAL CASUALTIES	2	Numeric	48
143	TU TOTAL UNINJURED	1	Numeric	49
144	TOTAL OCC RECS FOR TU	2	Numeric	49
145	TDC-UMTRI UNIT NUMBER	2	Numeric	49
146	DRIVER POSITION	2	Numeric	49
147	DRIVER RESTRAINT	2	Numeric	50
148	DRIVER AIRBAG	1	Numeric	50
149	DRIVER EJECTION	1	Numeric	51

STATE OF MICHIGAN  
1993 - Vehicle/Driver

Variable Number	Variable Name	Width	Storage Type	Page Number
150	DRIVER TRAPPED	1	Numeric	51
151	DRIVER LICENSE STATE	2	Numeric	51
152	LICENSE TYPE	1	Numeric	52
153	LICENSE TYPE - CYCLE	1	Numeric	53
154	LICENSE TYPE - FARM	1	Numeric	53
155	LICENSE-RECREATIONAL DBL	1	Numeric	53
156	DRIVER BIRTH DATE	8	Numeric	53
157	DRIVER AGE	3	Numeric	53
158	DRIVER SEX	1	Numeric	54
159	DRIVER DEGREE OF INJURY	1	Numeric	54

STATE OF MICHIGAN  
1993 - Truck

Variable Number	Variable Name	Width	Storage Type	Page Number
200	CDL TYPE-1	1	Numeric	55
201	CDL TYPE-2 H	1	Numeric	55
202	CDL TYPE-2 N	1	Numeric	55
203	CDL TYPE-2 P	1	Numeric	55
204	CDL TYPE-2 T	1	Numeric	56
205	CDL TYPE-2 X	1	Numeric	56
206	CDL EXEMPT	1	Numeric	56
207	MEDICAL CARD	1	Numeric	56
208	CDL RESTRICTIONS 28	1	Numeric	56
209	CDL RESTRICTIONS 29	1	Numeric	57
210	CDL RESTRICTIONS 30	1	Numeric	57
211	CDL RESTRICTIONS 35	1	Numeric	57
212	CDL RESTRICTIONS 36	1	Numeric	57
213	CDL LICENSE STATE	2	Numeric	57
214	SOURCE OF CDL INFO	1	Numeric	59
215	INTER/INTRA STATE	1	Numeric	59
216	GROSS VEH WEIGHT RATING	6	Numeric	59
217	HAZMAT: TYPE	4	Numeric	60
218	HAZMAT: CLASS	2	Numeric	60
219	HAZMAT: PLACARD	1	Numeric	60
220	HAZMAT: SPILL	1	Numeric	60
221	SAE AXLE TYPE: I	2	Alphabetic	60
222	SAE AXLE TYPE: II	2	Alphabetic	61
223	SAE AXLE TYPE: III	2	Alphabetic	61
224	SAE AXLE TYPE: IV	2	Alphabetic	61



STATE OF MICHIGAN  
1993 - Passenger injury

Variable Number	Variable Name	Width	Storage Type	Page Number
300	UNIT NUMBER	2	Numeric	63
301	PASSENGER NUMBER	3	Numeric	63
302	PASSENGER POSITION	2	Numeric	63
303	PASSENGER RESTRAINT	2	Numeric	64
304	PASSENGER AIR-BAG	1	Numeric	64
305	PASSENGER EJECTION	1	Numeric	65
306	PASSENGER TRAPPED	1	Numeric	65
307	BIRTH DATE	8	Numeric	65
308	AGE	3	Numeric	65
309	PASSENGER SEX	1	Numeric	65
310	PASSENGER DEGREE OF INJ	1	Numeric	66
311	AMBULANCE CODE	4	Numeric	66



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

0	0.0	0	Missing data
31632	8.7	1	January
28305	7.8	2	February
30466	8.4	3	March
26078	7.2	4	April
28352	7.8	5	May
29841	8.2	6	June
27871	7.7	7	July
28039	7.7	8	August
29935	8.2	9	September
35283	9.7	10	October
37253	10.2	11	November
30577	8.4	12	December
0	0.0	13	Missing data
1	0.0	20	
1	0.0	21	
1	0.0	22	
1	0.0	99	Non-numeric data

-----  
Variable 3      ACCIDENT DAY      Width: 2      Type: Numeric  
-----  
Dec:    None      Miss:      0

Census Prcnt      Code Value and Description

0	0.0	0	Missing data
12296	3.4	1	
		-	Day of month
6395	1.8	31	
0	0.0	32	Missing data
2	0.0	99	Non-numeric data

STATE OF MICHIGAN  
1993 - Accident

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

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

```
363636 100.0   1993 1993
```

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

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

```
7864  2.2   0  12:00 mid. - 1:00 a.m.
7320  2.0   1  1:00 a.m. - 2:00 a.m.
7487  2.1   2  2:00 a.m. - 3:00 a.m.
4380  1.2   3  3:00 a.m. - 4:00 a.m.
3447  0.9   4  4:00 a.m. - 5:00 a.m.
5237  1.4   5  5:00 a.m. - 6:00 a.m.
9340  2.6   6  6:00 a.m. - 7:00 a.m.
16735 4.6   7  7:00 a.m. - 8:00 a.m.
15432 4.2   8  8:00 a.m. - 9:00 a.m.
12300 3.4   9  9:00 a.m. - 10:00 a.m.
13557 3.7  10 10:00 a.m. - 11:00 a.m.
17322 4.8  11 11:00 a.m. - 12:00 noon
20911 5.8  12 12:00 noon - 1:00 p.m.
18925 5.2  13 1:00 p.m. - 2:00 p.m.
22592 6.2  14 2:00 p.m. - 3:00 p.m.
27264 7.5  15 3:00 p.m. - 4:00 p.m.
26761 7.4  16 4:00 p.m. - 5:00 p.m.
28310 7.8  17 5:00 p.m. - 6:00 p.m.
22844 6.3  18 6:00 p.m. - 7:00 p.m.
17896 4.9  19 7:00 p.m. - 8:00 p.m.
14858 4.1  20 8:00 p.m. - 9:00 p.m.
14384 4.0  21 9:00 p.m. - 10:00 p.m.
12778 3.5  22 10:00 p.m. - 11:00 p.m.
10868 3.0  23 11:00 p.m. - 12:00 mid.
  178  0.0  24  Midnight
  27  0.0  25
  1  0.0  26
  3  0.0  27
  1  0.0  28
  1  0.0  29
3482  1.0  77  Uncoded & errors
  1  0.0  91
  1  0.0  98
1129  0.3  99  Unknown
```





Variable 6:WEEK OF YEAR (Continued)

Census Prcnt Code Value and Description

6428	1.8	52	December 23 - December 29
1176	0.3	53	December 30 - December 31
5	0.0	99	Missing data

-----  
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

39851	11.0	1	Sunday
49345	13.6	2	Monday
50210	13.8	3	Tuesday
52219	14.4	4	Wednesday
54009	14.9	5	Thursday
66447	18.3	6	Friday
51538	14.2	7	Saturday
17	0.0	9	Non-numeric data

-----  
Variable 9 HOUR OF WEEK Width: 3 Type: Numeric  
-----  
Dec: None Miss: 999

Census Prcnt Code Value and Description

1874	0.5	0	12:00 a.m. Sunday - 12:59 a.m. Sunday
1851	0.5	1	1:00 a.m. Sunday - 1:59 a.m. Sunday
1968	0.5	2	2:00 a.m. Sunday - 2:59 a.m. Sunday
1068	0.3	3	3:00 a.m. Sunday - 3:59 a.m. Sunday
678	0.2	4	4:00 a.m. Sunday - 4:59 a.m. Sunday
615	0.2	5	5:00 a.m. Sunday - 5:59 a.m. Sunday
679	0.2	6	6:00 a.m. Sunday - 6:59 a.m. Sunday
643	0.2	7	7:00 a.m. Sunday - 7:59 a.m. Sunday
681	0.2	8	8:00 a.m. Sunday - 8:59 a.m. Sunday
1055	0.3	9	9:00 a.m. Sunday - 9:59 a.m. Sunday
1322	0.4	10	10:00 a.m. Sunday - 10:59 a.m. Sunday
1666	0.5	11	11:00 a.m. Sunday - 11:59 a.m. Sunday
2303	0.6	12	12:00 noon Sunday - 12:59 p.m. Sunday
2263	0.6	13	1:00 p.m. Sunday - 1:59 p.m. Sunday
2424	0.7	14	2:00 p.m. Sunday - 2:59 p.m. Sunday
2352	0.6	15	3:00 p.m. Sunday - 3:59 p.m. Sunday
2273	0.6	16	4:00 p.m. Sunday - 4:59 p.m. Sunday
2461	0.7	17	5:00 p.m. Sunday - 5:59 p.m. Sunday
2435	0.7	18	6:00 p.m. Sunday - 6:59 p.m. Sunday
2230	0.6	19	7:00 p.m. Sunday - 7:59 p.m. Sunday

STATE OF MICHIGAN  
1993 - Accident

Variable 9: HOUR OF WEEK (Continued)

Census	Prcnt	Code	Value and Description
2050	0.6	20	8:00 p.m. Sunday - 8:59 p.m. Sunday
1738	0.5	21	9:00 p.m. Sunday - 9:59 p.m. Sunday
1427	0.4	22	10:00 p.m. Sunday - 10:59 p.m. Sunday
1197	0.3	23	11:00 p.m. Sunday - 11:59 p.m. Sunday
690	0.2	24	12:00 a.m. Monday - 12:59 a.m. Monday
648	0.2	25	1:00 a.m. Monday - 1:59 a.m. Monday
555	0.2	26	2:00 a.m. Monday - 2:59 a.m. Monday
373	0.1	27	3:00 a.m. Monday - 3:59 a.m. Monday
388	0.1	28	4:00 a.m. Monday - 4:59 a.m. Monday
813	0.2	29	5:00 a.m. Monday - 5:59 a.m. Monday
1547	0.4	30	6:00 a.m. Monday - 6:59 a.m. Monday
2793	0.8	31	7:00 a.m. Monday - 7:59 a.m. Monday
2535	0.7	32	8:00 a.m. Monday - 8:59 a.m. Monday
1801	0.5	33	9:00 a.m. Monday - 9:59 a.m. Monday
1904	0.5	34	10:00 a.m. Monday - 10:59 a.m. Monday
2391	0.7	35	11:00 a.m. Monday - 11:59 a.m. Monday
2978	0.8	36	12:00 noon Monday - 12:59 p.m. Monday
2599	0.7	37	1:00 p.m. Monday - 1:59 p.m. Monday
3235	0.9	38	2:00 p.m. Monday - 2:59 p.m. Monday
4160	1.1	39	3:00 p.m. Monday - 3:59 p.m. Monday
3948	1.1	40	4:00 p.m. Monday - 4:59 p.m. Monday
4306	1.2	41	5:00 p.m. Monday - 5:59 p.m. Monday
3072	0.8	42	6:00 p.m. Monday - 6:59 p.m. Monday
2256	0.6	43	7:00 p.m. Monday - 7:59 p.m. Monday
1821	0.5	44	8:00 p.m. Monday - 8:59 p.m. Monday
1623	0.4	45	9:00 p.m. Monday - 9:59 p.m. Monday
1373	0.4	46	10:00 p.m. Monday - 10:59 p.m. Monday
941	0.3	47	11:00 p.m. Monday - 11:59 p.m. Monday
681	0.2	48	12:00 a.m. Tuesday - 12:59 a.m. Tuesday
603	0.2	49	1:00 a.m. Tuesday - 1:59 a.m. Tuesday
532	0.1	50	2:00 a.m. Tuesday - 2:59 a.m. Tuesday
355	0.1	51	3:00 a.m. Tuesday - 3:59 a.m. Tuesday
358	0.1	52	4:00 a.m. Tuesday - 4:59 a.m. Tuesday
717	0.2	53	5:00 a.m. Tuesday - 5:59 a.m. Tuesday
1522	0.4	54	6:00 a.m. Tuesday - 6:59 a.m. Tuesday
2961	0.8	55	7:00 a.m. Tuesday - 7:59 a.m. Tuesday
2624	0.7	56	8:00 a.m. Tuesday - 8:59 a.m. Tuesday
1919	0.5	57	9:00 a.m. Tuesday - 9:59 a.m. Tuesday
1928	0.5	58	10:00 a.m. Tuesday - 10:59 a.m. Tuesday
2453	0.7	59	11:00 a.m. Tuesday - 11:59 a.m. Tuesday
2867	0.8	60	12:00 noon Tuesday - 12:59 p.m. Tuesday
2547	0.7	61	1:00 p.m. Tuesday - 1:59 p.m. Tuesday
3218	0.9	62	2:00 p.m. Tuesday - 2:59 p.m. Tuesday
4117	1.1	63	3:00 p.m. Tuesday - 3:59 p.m. Tuesday
4002	1.1	64	4:00 p.m. Tuesday - 4:59 p.m. Tuesday
4178	1.1	65	5:00 p.m. Tuesday - 5:59 p.m. Tuesday
3251	0.9	66	6:00 p.m. Tuesday - 6:59 p.m. Tuesday
2323	0.6	67	7:00 p.m. Tuesday - 7:59 p.m. Tuesday
1901	0.5	68	8:00 p.m. Tuesday - 8:59 p.m. Tuesday
1828	0.5	69	9:00 p.m. Tuesday - 9:59 p.m. Tuesday
1555	0.4	70	10:00 p.m. Tuesday - 10:59 p.m. Tuesday
1138	0.3	71	11:00 p.m. Tuesday - 11:59 p.m. Tuesday

## Variable 9: HOUR OF WEEK (Continued)

Census	Prcnt	Code	Value and Description
780	0.2	72	12:00 a.m. Wednesday - 12:59 a.m. Wednesday
586	0.2	73	1:00 a.m. Wednesday - 1:59 a.m. Wednesday
602	0.2	74	2:00 a.m. Wednesday - 2:59 a.m. Wednesday
395	0.1	75	3:00 a.m. Wednesday - 3:59 a.m. Wednesday
394	0.1	76	4:00 a.m. Wednesday - 4:59 a.m. Wednesday
737	0.2	77	5:00 a.m. Wednesday - 5:59 a.m. Wednesday
1508	0.4	78	6:00 a.m. Wednesday - 6:59 a.m. Wednesday
3364	0.9	79	7:00 a.m. Wednesday - 7:59 a.m. Wednesday
3076	0.8	80	8:00 a.m. Wednesday - 8:59 a.m. Wednesday
1965	0.5	81	9:00 a.m. Wednesday - 9:59 a.m. Wednesday
1898	0.5	82	10:00 a.m. Wednesday - 10:59 a.m. Wednesday
2484	0.7	83	11:00 a.m. Wednesday - 11:59 a.m. Wednesday
2793	0.8	84	12:00 noon Wednesday - 12:59 p.m. Wednesday
2564	0.7	85	1:00 p.m. Wednesday - 1:59 p.m. Wednesday
3236	0.9	86	2:00 p.m. Wednesday - 2:59 p.m. Wednesday
4125	1.1	87	3:00 p.m. Wednesday - 3:59 p.m. Wednesday
4009	1.1	88	4:00 p.m. Wednesday - 4:59 p.m. Wednesday
4581	1.3	89	5:00 p.m. Wednesday - 5:59 p.m. Wednesday
3439	0.9	90	6:00 p.m. Wednesday - 6:59 p.m. Wednesday
2330	0.6	91	7:00 p.m. Wednesday - 7:59 p.m. Wednesday
1968	0.5	92	8:00 p.m. Wednesday - 8:59 p.m. Wednesday
1905	0.5	93	9:00 p.m. Wednesday - 9:59 p.m. Wednesday
1618	0.4	94	10:00 p.m. Wednesday - 10:59 p.m. Wednesday
1230	0.3	95	11:00 p.m. Wednesday - 11:59 p.m. Wednesday
863	0.2	96	12:00 a.m. Thursday - 12:59 a.m. Thursday
747	0.2	97	1:00 a.m. Thursday - 1:59 a.m. Thursday
728	0.2	98	2:00 a.m. Thursday - 2:59 a.m. Thursday
464	0.1	99	3:00 a.m. Thursday - 3:59 a.m. Thursday
393	0.1	100	4:00 a.m. Thursday - 4:59 a.m. Thursday
799	0.2	101	5:00 a.m. Thursday - 5:59 a.m. Thursday
1635	0.4	102	6:00 a.m. Thursday - 6:59 a.m. Thursday
3102	0.9	103	7:00 a.m. Thursday - 7:59 a.m. Thursday
2648	0.7	104	8:00 a.m. Thursday - 8:59 a.m. Thursday
1876	0.5	105	9:00 a.m. Thursday - 9:59 a.m. Thursday
1963	0.5	106	10:00 a.m. Thursday - 10:59 a.m. Thursday
2435	0.7	107	11:00 a.m. Thursday - 11:59 a.m. Thursday
2966	0.8	108	12:00 noon Thursday - 12:59 p.m. Thursday
2647	0.7	109	1:00 p.m. Thursday - 1:59 p.m. Thursday
3329	0.9	110	2:00 p.m. Thursday - 2:59 p.m. Thursday
4368	1.2	111	3:00 p.m. Thursday - 3:59 p.m. Thursday
4343	1.2	112	4:00 p.m. Thursday - 4:59 p.m. Thursday
4530	1.2	113	5:00 p.m. Thursday - 5:59 p.m. Thursday
3427	0.9	114	6:00 p.m. Thursday - 6:59 p.m. Thursday
2566	0.7	115	7:00 p.m. Thursday - 7:59 p.m. Thursday
2120	0.6	116	8:00 p.m. Thursday - 8:59 p.m. Thursday
2191	0.6	117	9:00 p.m. Thursday - 9:59 p.m. Thursday
1735	0.5	118	10:00 p.m. Thursday - 10:59 p.m. Thursday
1455	0.4	119	11:00 p.m. Thursday - 11:59 p.m. Thursday
1202	0.3	120	12:00 a.m. Friday - 12:59 a.m. Friday
1057	0.3	121	1:00 a.m. Friday - 1:59 a.m. Friday
1156	0.3	122	2:00 a.m. Friday - 2:59 a.m. Friday
619	0.2	123	3:00 a.m. Friday - 3:59 a.m. Friday

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Variable 9: HOUR OF WEEK (Continued)

Census	Prcnt	Code	Value and Description
513	0.1	124	4:00 a.m. Friday - 4:59 a.m. Friday
868	0.2	125	5:00 a.m. Friday - 5:59 a.m. Friday
1560	0.4	126	6:00 a.m. Friday - 6:59 a.m. Friday
2889	0.8	127	7:00 a.m. Friday - 7:59 a.m. Friday
2675	0.7	128	8:00 a.m. Friday - 8:59 a.m. Friday
2139	0.6	129	9:00 a.m. Friday - 9:59 a.m. Friday
2465	0.7	130	10:00 a.m. Friday - 10:59 a.m. Friday
3211	0.9	131	11:00 a.m. Friday - 11:59 a.m. Friday
3805	1.0	132	12:00 noon Friday - 12:59 p.m. Friday
3413	0.9	133	1:00 p.m. Friday - 1:59 p.m. Friday
4047	1.1	134	2:00 p.m. Friday - 2:59 p.m. Friday
5129	1.4	135	3:00 p.m. Friday - 3:59 p.m. Friday
5141	1.4	136	4:00 p.m. Friday - 4:59 p.m. Friday
5377	1.5	137	5:00 p.m. Friday - 5:59 p.m. Friday
4233	1.2	138	6:00 p.m. Friday - 6:59 p.m. Friday
3441	0.9	139	7:00 p.m. Friday - 7:59 p.m. Friday
2695	0.7	140	8:00 p.m. Friday - 8:59 p.m. Friday
2810	0.8	141	9:00 p.m. Friday - 9:59 p.m. Friday
2706	0.7	142	10:00 p.m. Friday - 10:59 p.m. Friday
2485	0.7	143	11:00 p.m. Friday - 11:59 p.m. Friday
1951	0.5	144	12:00 a.m. Saturday - 12:59 a.m. Saturday
1828	0.5	145	1:00 a.m. Saturday - 1:59 a.m. Saturday
1946	0.5	146	2:00 a.m. Saturday - 2:59 a.m. Saturday
1106	0.3	147	3:00 a.m. Saturday - 3:59 a.m. Saturday
723	0.2	148	4:00 a.m. Saturday - 4:59 a.m. Saturday
688	0.2	149	5:00 a.m. Saturday - 5:59 a.m. Saturday
889	0.2	150	6:00 a.m. Saturday - 6:59 a.m. Saturday
982	0.3	151	7:00 a.m. Saturday - 7:59 a.m. Saturday
1193	0.3	152	8:00 a.m. Saturday - 8:59 a.m. Saturday
1543	0.4	153	9:00 a.m. Saturday - 9:59 a.m. Saturday
2076	0.6	154	10:00 a.m. Saturday - 10:59 a.m. Saturday
2681	0.7	155	11:00 a.m. Saturday - 11:59 a.m. Saturday
3198	0.9	156	12:00 noon Saturday - 12:59 p.m. Saturday
2891	0.8	157	1:00 p.m. Saturday - 1:59 p.m. Saturday
3102	0.9	158	2:00 p.m. Saturday - 2:59 p.m. Saturday
3011	0.8	159	3:00 p.m. Saturday - 3:59 p.m. Saturday
3045	0.8	160	4:00 p.m. Saturday - 4:59 p.m. Saturday
2875	0.8	161	5:00 p.m. Saturday - 5:59 p.m. Saturday
2986	0.8	162	6:00 p.m. Saturday - 6:59 p.m. Saturday
2749	0.8	163	7:00 p.m. Saturday - 7:59 p.m. Saturday
2303	0.6	164	8:00 p.m. Saturday - 8:59 p.m. Saturday
2289	0.6	165	9:00 p.m. Saturday - 9:59 p.m. Saturday
2364	0.7	166	10:00 p.m. Saturday - 10:59 p.m. Saturday
2422	0.7	167	11:00 p.m. Saturday - 11:59 p.m. Saturday
4661	1.3	999	Missing data

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

## COUNTY (STATE POLICE CODING)

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

673	0.2	1	Alcona
494	0.1	2	Alger
3563	1.0	3	Allegan
1161	0.3	4	Alpena
833	0.2	5	Antrim
923	0.3	6	Arenac
441	0.1	7	Baraga
2363	0.6	8	Barry
3735	1.0	9	Bay
542	0.1	10	Benzie
5840	1.6	11	Berrien
1889	0.5	12	Branch
6032	1.7	13	Calhoun
2030	0.6	14	Cass
1005	0.3	15	Charlevoix
917	0.3	16	Cheboygan
1470	0.4	17	Chippewa
1364	0.4	18	Clare
2156	0.6	19	Clinton
638	0.2	20	Crawford
2065	0.6	21	Delta
1286	0.4	22	Dickinson
3506	1.0	23	Eaton
1394	0.4	24	Emmet
14083	3.9	25	Genesee
903	0.2	26	Gladwin
572	0.2	27	Gogebic
3064	0.8	28	Grand Traverse
1593	0.4	29	Gratiot
1974	0.5	30	Hillsdale
1153	0.3	31	Houghton
1601	0.4	32	Huron
10260	2.8	33	Ingham
2159	0.6	34	Ionia
1113	0.3	35	Iosco
746	0.2	36	Iron
2133	0.6	37	Isabella
6023	1.7	38	Jackson
9709	2.7	39	Kalamazoo
711	0.2	40	Kalkaska
20563	5.7	41	Kent
86	0.0	42	Keweenaw
501	0.1	43	Lake
2934	0.8	44	Lapeer
583	0.2	45	Leelanau
3453	0.9	46	Lenawee
4808	1.3	47	Livingston
318	0.1	48	Luce
758	0.2	49	Mackinac







-----  
Variable 15    HIGHWAY CONTROL SECTION    Width: 5    Type: Numeric  
-----  
Dec:    None    Miss: None

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

Census Prcnt    Code Value and Description

24770	6.8	0.00
477	0.1	0.01
330	0.1	0.02
198	0.1	0.03
219	0.1	0.04
113	0.0	0.05
266	0.1	0.06
166	0.0	0.07
219	0.1	0.08
246	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
339925	93.5	1	Successfully located
0	0.0	2	Could not automatically locate in MALI indexes
0	0.0	3	This crash will be re-cycled thru MALI due to index change
2866	0.8	4	Could not locate even after attempting a manual correction
20845	5.7	9	Missing location data, non-numeric data

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

Census Prcnt    Code Value and Description

339926	93.5	0	None
459	0.1	1	Invalid county
122	0.0	2	Invalid city/twp
4723	1.3	3	PR not found in co/city given
8072	2.2	4	Intersecting street not found in co/city given
4794	1.3	5	Streets do not intersect in co/city given
982	0.3	6	Location matches more than one site
199	0.1	7	Direction to/from intersecting st is improper
15	0.0	8	Distance to/from intersecting st is improper
71	0.0	9	Direction used on ramp is not ER or BR
4273	1.2	99	Other reason than 01-09, non-numeric data

```
-----
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
1200	0.3	1 (BR) Begin Ramp
64704	17.8	2 ( E) East
2612	0.7	3 (ER) End Ramp
69380	19.1	4 ( N) North
12176	3.3	5 (NE) Northeast
12365	3.4	6 (NW) Northwest
64204	17.7	7 ( S) South
12706	3.5	8 (SE) Southeast
11380	3.1	9 (SW) Southwest
44876	12.3	10 ( X) At intersection
59069	16.2	11 ( W) West
8964	2.5	99 (Space) Uncoded & errors

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

Census Prcnt	Code	Value and Description
2108	0.6	0 Crash occurred on other than a roadway
13239	3.6	1 One Lane
197180	54.2	2 Two lanes
33725	9.3	3 Three lanes
59981	16.5	4 Four lanes
42048	11.6	5 Five lanes
5212	1.4	6 Six lanes
3981	1.1	7 Seven lanes
706	0.2	8 Eight lanes
372	0.1	9 Nine lanes
5084	1.4	99 Uncoded & errors, non-numeric data

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

Census Prcnt	Code	Value and Description
2074	0.6	0 Uncoded & errors
309268	85.0	1 On the road
2264	0.6	2 In the median
15630	4.3	3 On the shoulder
28038	7.7	4 Outside of the shoulder/curb-line
584	0.2	5 In the gore (area between ramp and Xway convergence)
5778	1.6	6 Unknown relationship



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-----  
Variable 24      SPEED LIMIT AT CRASHSITE      Width: 2      Type: Numeric  
-----  
Dec:      None      Miss: 99

Census Prcnt      Code Value and Description

948	0.3	0	Stopped
1	0.0	1	
298	0.1	5	5 miles per hour
572	0.2	10	10 miles per hour
7	0.0	14	
2047	0.6	15	15 miles per hour
524	0.1	20	20 miles per hour
5	0.0	24	
73402	20.2	25	25 miles per hour
2	0.0	26	
27591	7.6	30	30 miles per hour
3	0.0	34	
50541	13.9	35	35 miles per hour
1	0.0	36	
27804	7.6	40	40 miles per hour
10	0.0	44	
48446	13.3	45	45 miles per hour
12250	3.4	50	50 miles per hour
97289	26.8	55	55 miles per hour
10	0.0	60	60 miles per hour
10636	2.9	65	65 miles per hour
11249	3.1	99	Uncoded & errors

-----  
Variable 25      POSTED SPEED LIMIT      Width: 1      Type: Numeric  
-----  
Dec:      None      Miss: 0

Census Prcnt      Code Value and Description

30207	8.3	0	Uncoded & errors
249405	68.6	1	Yes
84024	23.1	2	No

-----  
Variable 26      TRAFFIC CONTROL      Width: 1      Type: Numeric  
-----  
Dec:      None      Miss: 0

Census Prcnt      Code Value and Description

55605	15.3	0	Uncoded & errors
70141	19.3	1	Signal
42105	11.6	2	Stop Sign
3587	1.0	3	Yield Sign
192181	52.8	4	None
17	0.0	9	Non-numeric data





Variable 34: COMPLAINT STATUS (Continued)

Census Prcnt	Code	Value and Description
17	0.0	9 Non-numeric data

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

Census Prcnt	Code	Value and Description
330467	90.9	0 Uncoded & errors
19442	5.3	1 Yes
13710	3.8	2 No
17	0.0	9 Non-numeric 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
133886	36.8	0 Uncoded & errors
229733	63.2	1 Yes
17	0.0	9 Non-numeric 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
315740	86.8	0 Uncoded & errors
47879	13.2	1 Yes
17	0.0	9 Non-numeric 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
362125	99.6	0 Uncoded & errors
1494	0.4	1 Yes
17	0.0	9 Non-numeric data







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

```
Census Prcnt  Code Value and Description
363033  99.8  0  Uncoded & errors
      603  0.2  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
358991  98.7  0  Uncoded & errors
      4645  1.3  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
363239  99.9  0  Uncoded & errors
      397  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
360548  99.2  0  Uncoded & errors
      3088  0.8  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
      5724  1.6  1  Pedestrian record present
357912  98.4  2  No pedestrian record for crash
```



## Variable 56:NUMBER TRUCK SUPPL RECS (Continued)

## Census Prcnt      Code Value and Description

0	0.0	9	Nine units
0	0.0	10	Ten units

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

## Census Prcnt      Code Value and Description

271907	74.8	0	Uncoded & errors
91729	25.2	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

362367	99.7	0	Uncoded & errors
1269	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

104806	28.8	1	One unit
237397	65.3	2	Two units
18074	5.0	3	Three units
2700	0.7	4	Four units
483	0.1	5	Five units
115	0.0	6	Six units
30	0.0	7	Seven units
18	0.0	8	Eight units
13	0.0	9	Nine units
0	0.0	10	Ten units

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

## Census Prcnt      Code Value and Description

686	0.2	0	None
132134	36.3	1	One unit
213542	58.7	2	Two units
14816	4.1	3	Three units

Variable 60:TOTAL NON-PARKED UNITS (Continued)

Census	Prcnt	Code	Value and Description
2066	0.6	4	Four units
297	0.1	5	Five units
75	0.0	6	Six units
14	0.0	7	Seven units
2	0.0	8	Eight units
4	0.0	9	Nine units
0	0.0	10	Ten units

-----  
Variable 61      TOTAL UNITS PROCESSED      Width: 1      Type: Numeric  
-----      -----      Dec:    None      Miss: None

Census	Prcnt	Code	Value and Description
39851	11.0	1	
49345	13.6	2	
50210	13.8	3	
52219	14.4	4	
54009	14.9	5	
66447	18.3	6	
51538	14.2	7	
17	0.0	9	

-----  
Variable 62      NUMBER INJURED IN CRASH      Width: 2      Type: Numeric  
-----      -----      Dec:    None      Miss: None

Census	Prcnt	Code	Value and Description
271220	74.6	0	None
63567	17.5	1	One injured
19767	5.4	2	Two injured
6299	1.7	3	Three injured
1915	0.5	4	Four injured
570	0.2	5	Five injured
191	0.1	6	Six injured
57	0.0	7	Seven injured
27	0.0	8	Eight injured
		-	
1	0.0	32	Thirty-two injured

-----  
Variable 63      NUMBER FATAL IN CRASH      Width: 2      Type: Numeric  
-----      -----      Dec:    None      Miss: None

Census	Prcnt	Code	Value and Description
362367	99.7	0	None
1150	0.3	1	One killed
97	0.0	2	Two killed



-----  
Variable 67      TOTAL B INJURED IN ACC      Width: 2      Type: Numeric  
-----  
Dec:    None      Miss: 99

Census Prcnt      Code Value and Description

336458	92.5	0	0 B injured
22246	6.1	1	1 B injured
3858	1.1	2	2 B injured
800	0.2	3	3 B injured
201	0.1	4	4 B injured
52	0.0	5	5 B injured
14	0.0	6	6 B injured
4	0.0	7	7 B injured
1	0.0	8	8 B injured
1	0.0	13	13 B injured
1	0.0	17	17 B injured

-----  
Variable 68      TOTAL C INJURED IN ACC      Width: 2      Type: Numeric  
-----  
Dec:    None      Miss: 99

Census Prcnt      Code Value and Description

300879	82.7	0	0 C injured
47586	13.1	1	1 C injured
11519	3.2	2	2 C injured
2728	0.8	3	3 C injured
674	0.2	4	4 C injured
166	0.0	5	5 C injured
51	0.0	6	6 C injured
15	0.0	7	7 C injured
10	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
1	0.0	14	14 C injured
1	0.0	22	22 C injured
1	0.0	32	32 C injured

-----  
Variable 69      TOTAL INJURED IN ACC      Width: 2      Type: Numeric  
-----  
Dec:    None      Miss: 99

Census Prcnt      Code Value and Description

271221	74.6	0	0 injured
63568	17.5	1	1 injured
19766	5.4	2	2 injured
6298	1.7	3	3 injured
1915	0.5	4	4 injured
571	0.2	5	5 injured
190	0.1	6	6 injured
57	0.0	7	7 injured

Variable 69:TOTAL INJURED IN ACC (Continued)

Census	Prcnt	Code	Value and Description
27	0.0	8	8 injured
11	0.0	9	9 injured
3	0.0	10	10 injured
2	0.0	11	11 injured
1	0.0	12	12 injured
1	0.0	15	15 injured
2	0.0	17	17 injured
1	0.0	18	18 injured
1	0.0	22	22 injured
1	0.0	32	32 injured

-----  
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 and Description
270639	74.4	0	0 casualties
63773	17.5	1	1 casualty
19915	5.5	2	2 casualties
6402	1.8	3	3 casualties
1979	0.5	4	4 casualties
610	0.2	5	5 casualties
200	0.1	6	6 casualties
62	0.0	7	7 casualties
29	0.0	8	8 casualties
14	0.0	9	9 casualties
4	0.0	10	10 casualties
2	0.0	11	11 casualties
1	0.0	12	12 casualties
1	0.0	15	15 casualties
2	0.0	17	17 casualties
1	0.0	18	18 casualties
1	0.0	22	22 casualties
1	0.0	32	32 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 and Description
29437	8.1	0	0 persons
135444	37.2	1	1 person
187308	51.5	2	2 persons
9985	2.7	3	3 persons



Variable 71:TOTAL UNINJURED IN ACC (Continued)

Census	Prcnt	Code	Value and Description
1252	0.3	4	4 persons
162	0.0	5	5 persons
38	0.0	6	6 persons
6	0.0	7	7 persons
2	0.0	8	8 persons
2	0.0	9	9 persons





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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
```

```
1550  0.2    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.

```
6177  1.0    1  Commercial truck AA (Group A vehicle)
172   0.0    2  Commercial truck AH (Group A vehicle, Hazardous)
195   0.0    3  Commercial truck AN (Group A vehicle, Tank)
 77   0.0    4  Commercial truck AP (Group A vehicle, Passenger)
681   0.1    5  Commercial truck AT (Group A vehicle, Double/Triple)
186   0.0    6  Commercial truck AX (Group A vehicle, Tank & Hazardous)
 28   0.0    7  Commercial truck AY (Group A vehicle, Tank &
      Double/Triple)
 26   0.0    8  Commercial truck AZ (Group A vehicle, Hazardous,
      Double/Triple)
 35   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 vehicle with a combined GVWR over 26,000 lbs. when towing a trailer that has a GVWR of 10,000 lbs. or less.

```
2711  0.4   10  Commercial truck BB (Group B)
 62   0.0   11  Commercial truck BH (Group B, Hazardous)
107   0.0   12  Commercial truck BN (Group B, Tank)
1157  0.2   13  Commercial truck BP (Group B, Passenger)
 65   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.

```
 35   0.0   15  Commercial truck CH (Group C, Hazardous)
469   0.1   16  Commercial truck CP (Group C, Passenger)
 29   0.0   17  Commercial truck CX (Group C, Tank & Hazardous)

833   0.1   18  Other
627122 97.7  98  Non-CDL vehicle, no truck supplement data
 1     0.0   99  Non-numeric data
```





Variable 108:REGISTRATION STATE (Continued)

Census	Prcnt	Code	Value and Description
173	0.0	18	Kentucky
78	0.0	19	Louisiana
22	0.0	20	Maine
91	0.0	21	Maryland
80	0.0	22	Massachusetts
624107	97.3	23	Michigan
222	0.0	24	Minnesota
52	0.0	25	Mississippi
230	0.0	26	Missouri
32	0.0	27	Montana
65	0.0	28	Nebraska
24	0.0	29	Nevada
23	0.0	30	New Hampshire
125	0.0	31	New Jersey
13	0.0	32	New Mexico
327	0.1	33	New York
239	0.0	34	North Carolina
37	0.0	35	North Dakota
3145	0.5	36	Ohio
286	0.0	37	Oklahoma
39	0.0	38	Oregon
297	0.0	39	Pennsylvania
0	0.0	40	Puerto Rico
9	0.0	41	Rhode Island
74	0.0	42	South Carolina
44	0.0	43	South Dakota
410	0.1	44	Tennessee
424	0.1	45	Texas
28	0.0	46	Utah
11	0.0	47	Vermont
199	0.0	48	Virginia
64	0.0	49	Washington
49	0.0	50	West Virginia
1277	0.2	51	Wisconsin
22	0.0	52	Wyoming
38	0.0	53	Alberta
7	0.0	54	British Columbia
28	0.0	55	Manitoba
8	0.0	56	New Brunswick
0	0.0	57	Newfoundland
1	0.0	58	Northwest Territories
3	0.0	59	Nova Scotia
1687	0.3	60	Ontario
2	0.0	61	Prince Edward Island
30	0.0	62	Quebec
8	0.0	63	Saskatchewan
0	0.0	64	Yukon
0	0.0	65	Mexico
324	0.1	99	Sanitized, non-numeric data







## Variable 113:DIRECTION OF TRAVEL (Continued)

Census	Prcnt	Code	Value and Description
151855	23.7	2	North
3798	0.6	3	Northeast
4420	0.7	4	Northwest
149864	23.4	5	South
4388	0.7	6	Southeast
3669	0.6	7	Southwest
142943	22.3	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			
54267	8.5	0	Uncoded & errors
38789	6.0	1	Loss of control
6418	1.0	2	Cross center/median
5229	0.8	3	Ran off road left
11991	1.9	4	Ran off road right
883	0.1	5	Re-enter road
826	0.1	6	Overturn
2605	0.4	7	Separation of units
1529	0.2	8	Fire/explosion
111	0.0	9	Immersion
439	0.1	10	Jackknife
256	0.0	11	Downhill runaway
956	0.1	12	Cargo loss/shift
471	0.1	13	Individual fell off
7435	1.2	14	Other non-collision
Collision With Non Fixed Object			
3355	0.5	15	Pedestrian
2875	0.4	16	Pedalcycle
423599	66.0	17	Motor-vehicle in transport
20713	3.2	18	Parked vehicle
188	0.0	19	Railway train
43724	6.8	20	Animal
4962	0.8	21	Other non-fixed object
Collision With Fixed Object			
283	0.0	22	Bridge pier or abutment
749	0.1	23	Bridge parapet end
147	0.0	24	Bridge rail
517	0.1	25	Guardrail face
59	0.0	26	Guardrail end
499	0.1	27	Median barrier
517	0.1	28	Traffic sign post







## Variable 117:HARMFUL EVENT #4 (Continued)

Census	Prcnt	Code	Value and Description
313	0.0	5	Re-enter road
2617	0.4	6	Overturn
137	0.0	7	Separation of units
119	0.0	8	Fire/explosion
49	0.0	9	Immersion
43	0.0	10	Jackknife
13	0.0	11	Downhill runaway
56	0.0	12	Cargo loss/shift
116	0.0	13	Individual fell off
345	0.1	14	Other non-collision
			Collision With Non Fixed Object
180	0.0	15	Pedestrian
87	0.0	16	Pedalcycle
15619	2.4	17	Motor-vehicle in transport
1876	0.3	18	Parked vehicle
9	0.0	19	Railway train
887	0.1	20	Animal
299	0.0	21	Other non-fixed object
			Collision With Fixed Object
85	0.0	22	Bridge pier or abutment
119	0.0	23	Bridge parapet end
61	0.0	24	Bridge rail
317	0.0	25	Guardrail face
64	0.0	26	Guardrail end
168	0.0	27	Median barrier
407	0.1	28	Traffic sign post
44	0.0	29	Signal post
87	0.0	30	Luminaire support
741	0.1	31	Utility pole
199	0.0	32	Other pole
196	0.0	33	Culvert
185	0.0	34	Curb
1507	0.2	35	Ditch
512	0.1	36	Embankment
579	0.1	37	Fence
337	0.1	38	Mailbox
2447	0.4	39	Tree
8	0.0	40	Rail crossing signal
332	0.1	41	Building
9	0.0	42	Traffic island
93	0.0	43	Fire hydrant
5	0.0	44	Impact attenuator/crash cushion
619	0.1	45	Other fixed object



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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 V116-V119

Census Prcnt	Code	Value and Description
		Noncollision Event
7164	1.1	0 Uncoded & errors
5976	0.9	1 Loss of control
1650	0.3	2 Cross center/median
1179	0.2	3 Ran off road left
2232	0.3	4 Ran off road right
254	0.0	5 Re-enter road
7406	1.2	6 Overturn
2052	0.3	7 Separation of units
1049	0.2	8 Fire/explosion
103	0.0	9 Immersion
467	0.1	10 Jackknife
114	0.0	11 Downhill runaway
705	0.1	12 Cargo loss/shift
652	0.1	13 Individual fell off
3297	0.5	14 Other non-collision
		Collision With Non Fixed Object
3155	0.5	15 Pedestrian
2710	0.4	16 Pedalcycle
403562	62.9	17 Motor-vehicle in transport
20488	3.2	18 Parked vehicle
177	0.0	19 Railway train
42362	6.6	20 Animal
5215	0.8	21 Other non-fixed object
		Collision With Fixed Object
773	0.1	22 Bridge pier or abutment
617	0.1	23 Bridge parapet end
430	0.1	24 Bridge rail
2307	0.4	25 Guardrail face
456	0.1	26 Guardrail end
1934	0.3	27 Median barrier
2422	0.4	28 Traffic sign post
270	0.0	29 Signal post
584	0.1	30 Luminaire support
3810	0.6	31 Utility pole
1020	0.2	32 Other pole
729	0.1	33 Culvert
1713	0.3	34 Curb
4864	0.8	35 Ditch
1531	0.2	36 Embankment
1488	0.2	37 Fence
2012	0.3	38 Mailbox
9542	1.5	39 Tree
103	0.0	40 Rail crossing signal
952	0.1	41 Building
65	0.0	42 Traffic island
488	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

130437 20.3 0 Uncoded & errors  
 23939 3.7 1 Yes  
 487342 75.9 2 No

-----  
 Variable 127 REFUSAL INFORMATION Width: 1 Type: Numeric  
 ----- Dec: None Miss: 0

Census Prcnt Code Value and Description

544346 84.8 0 Uncoded & errors  
 1756 0.3 1 Refused  
 95616 14.9 2 Not offered

-----  
 Variable 128 FIELD SOBRIETY TEST Width: 1 Type: Numeric  
 ----- Dec: None Miss: 0

Census Prcnt Code Value and Description

636620 99.2 0 Uncoded & errors  
 5072 0.8 1 Yes  
 26 0.0 9 Non-numeric data

-----  
 Variable 129 PBT TEST Width: 1 Type: Numeric  
 ----- Dec: None Miss: 0

Census Prcnt Code Value and Description

630138 98.2 0 Uncoded & errors  
 11554 1.8 1 Yes  
 26 0.0 9 Non-numeric data

-----  
 Variable 130 BREATHALYZER TEST Width: 1 Type: Numeric  
 ----- Dec: None Miss: 0

Census Prcnt Code Value and Description

635208 99.0 0 Uncoded & errors  
 6484 1.0 1 Yes  
 26 0.0 9 Non-numeric data



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```
-----
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
641718 100.0      0  0 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
64519 10.1      0  Incomplete data
 1306  0.2      1  Fatal
15013  2.3      2  A - incapacitating injury
27656  4.3      3  B - nonincapacitating injury
66933 10.4      4  C - possible injury
466291 72.7      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

```
Census Prcnt  Code Value and Description
640412 99.8      0  0 killed
 1216  0.2      1  1 killed
   73  0.0      2  2 killed
   16  0.0      3  3 killed
    1  0.0      4  4 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
626317 97.6      0  0 A injured
 13314  2.1      1  1 A injured
  1668  0.3      2  2 A injured
   338  0.1      3  3 A injured
    55  0.0      4  4 A injured
    14  0.0      5  5 A injured
```



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```
-----
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
467194	72.8	0	0	injured
91335	14.2	1	1	injured
78542	12.2	2	2	injured
3878	0.6	3	3	injured
530	0.1	4	4	injured
149	0.0	5	5	injured
52	0.0	6	6	injured
18	0.0	7	7	injured
8	0.0	8	8	injured
3	0.0	9	9	injured
2	0.0	10	10	injured
2	0.0	11	11	injured
1	0.0	13	13	injured
1	0.0	15	15	injured
1	0.0	17	17	injured
1	0.0	22	22	injured
1	0.0	30	30	injured

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

TU TOTAL KILLED (v134) plus TU TOTAL INJURED (v138).

Census	Prcnt	Code	Value	Description
466291	72.7	0	0	casualties
155620	24.3	1	1	casualty
15710	2.4	2	2	casualties
3419	0.5	3	3	casualties
426	0.1	4	4	casualties
162	0.0	5	5	casualties
49	0.0	6	6	casualties
22	0.0	7	7	casualties
6	0.0	8	8	casualties
5	0.0	9	9	casualties
1	0.0	10	10	casualties
2	0.0	11	11	casualties
1	0.0	13	13	casualties
1	0.0	15	15	casualties
1	0.0	17	17	casualties
1	0.0	22	22	casualties
1	0.0	30	30	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
118932 18.5	0	0 persons
336550 52.4	1	1 person
96168 15.0	2	2 persons
28534 4.4	3	3 persons
12147 1.9	4	4 persons
3969 0.6	5	5 persons
1160 0.2	6	6 persons
1865 0.3	7	7 or more persons
42393 6.6	9	Missing data

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

TDC COMPUTED NUMBER OF OCCUPANT RECORDS FOR CRASH

Census Prcnt	Code	Value and Description
608480 94.8	1	1 person card
27401 4.3	2	2 persons cards
5059 0.8	3	3 persons cards
490 0.1	4	4 persons cards
190 0.0	5	5 persons cards
51 0.0	6	6 persons cards
27 0.0	7	7 persons cards
1 0.0	31	31 persons cards

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

Census Prcnt	Code	Value and Description
363636 56.7	1	Unit #1
	-	
4 0.0	9	Unit #9

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

Census Prcnt	Code	Value and Description
633930 98.8	1	Left front, in-line vehicle driver, Uncoded & errors
100 0.0	2	Center front
513 0.1	3	Right front











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

```
Census Prcnt  Code Value and Description

349787  54.5  1  Male
230790  36.0  2  Female
 61141  9.5   9  (Space) Unknown, non-numeric data
```

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

```
Census Prcnt  Code Value and Description

64519  10.1  0  Uncoded & errors
 1062   0.2  1  Killed
12885   2.0  2  Incapacitating injury
23274   3.6  3  Non-incapacitating injury
58360   9.1  4  Possible injury
481618 75.1  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
14	0.1	6	Colorado
6	0.0	7	Connecticut
4	0.0	8	Delaware
0	0.0	9	District of Columbia
68	0.2	10	Florida
30	0.1	11	Georgia
0	0.0	12	Hawaii
4	0.0	13	Idaho
547	2.0	14	Illinois
432	1.6	15	Indiana
67	0.2	16	Iowa
19	0.1	17	Kansas
35	0.1	18	Kentucky
2	0.0	19	Louisiana
6	0.0	20	Maine
16	0.1	21	Maryland
4	0.0	22	Massachusetts
10438	38.3	23	Michigan
88	0.3	24	Minnesota
16	0.1	25	Mississippi
72	0.3	26	Missouri
2	0.0	27	Montana
47	0.2	28	Nebraska
0	0.0	29	Nevada
1	0.0	30	New Hampshire
31	0.1	31	New Jersey
2	0.0	32	New Mexico
24	0.1	33	New York
48	0.2	34	North Carolina
8	0.0	35	North Dakota
495	1.8	36	Ohio
130	0.5	37	Oklahoma
5	0.0	38	Oregon
82	0.3	39	Pennsylvania
0	0.0	40	Puerto Rico
1	0.0	41	Rhode Island
11	0.0	42	South Carolina
14	0.1	43	South Dakota
102	0.4	44	Tennessee
47	0.2	45	Texas
9	0.0	46	Utah
0	0.0	47	Vermont
27	0.1	48	Virginia
4	0.0	49	Washington
3	0.0	50	West Virginia
240	0.9	51	Wisconsin
1	0.0	52	Wyoming
23	0.1	53	Alberta
0	0.0	54	British Columbia
11	0.0	55	Manitoba
3	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
1	0.0	59 Nova Scotia
308	1.1	60 Ontario
0	0.0	61 Prince Edward Island
21	0.1	62 Quebec
3	0.0	63 Saskatchewan
0	0.0	64 Yukon
0	0.0	65 Mexico
12649	46.4	98 Non-CDL vehicle, no data
903	3.3	99 Sanitized, non-numeric data

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

Truck Prcnt	Code	Value and Description
4114	15.1	0 Uncoded & errors
6092	22.4	1 Papers
2003	7.4	2 Log
156	0.6	3 Driver
2231	8.2	4 Markings
12649	46.4	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
5261	19.3	0 Uncoded & errors
4208	15.4	1 Interstate only
5127	18.8	2 Intrastate
12649	46.4	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

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

```
Truck Prcnt  Code Value and Description

14393  52.8      0  Uncoded & errors
      - Hazardous Materials Type
12649  46.4     9998 Non-CDL vehicle, no data
```

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

```
Truck Prcnt  Code Value and Description

14479  53.1      0  Uncoded & errors
      - Hazardous Materials Class
12649  46.4     98  Non-CDL vehicle, no data
```

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

```
Truck Prcnt  Code Value and Description

10350  38.0      0  Uncoded & errors
      341   1.3      1  Yes
      3905  14.3      2  No
12649  46.4      8  Non-CDL vehicle, no data
```

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

```
Truck Prcnt  Code Value and Description

10297  37.8      0  Uncoded & errors
      84   0.3      1  Yes
      4215  15.5      2  No
12649  46.4      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
486	0.1	9	Right rear 3rd seat
175	0.0	10	In sleeper
369	0.1	11	Other enclosed area
98	0.0	12	Other unenclosed area
32	0.0	13	In/on trailing unit
90	0.0	14	On vehicle exterior
308	0.0	15	Unknown
2620	0.4	50	(B) Bicyclist
109	0.0	51	(E) Engineer
3275	0.5	52	(P) Pedestrian
3121	0.5	99	Uncoded & errors, non-numeric data

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

Census	Prcnt	Code	Value and Description
114697	16.8	0	Uncoded & errors
5195	0.8	1	No belts available
4343	0.6	2	Shoulder only used
13946	2.0	3	Lap only used
484314	71.0	4	Both lap & shoulder used
39934	5.9	5	No belts used
859	0.1	6	Child restraint used
213	0.0	7	Child restraint not used, unavailable or improper use
112	0.0	8	Restraint failed
14734	2.2	9	Restraint use unknown
2365	0.3	10	Helmet worn
1204	0.2	11	Helmet not worn
183	0.0	12	Helmet use unknown

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

Census	Prcnt	Code	Value and Description
138535	20.3	0	Uncoded & errors
7575	1.1	1	Deployed
64480	9.5	2	Not deployed
471509	69.1	3	Not available

STATE OF MICHIGAN  
1993 - Passenger injury

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

Census Prcnt Code Value and Description

679445 99.6 0 Uncoded & errors  
2654 0.4 1 Yes

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

Census Prcnt Code Value and Description

678728 99.5 0 Uncoded & errors  
3371 0.5 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

716 0.1 0 Less than 1 year old  
- Age in years  
64 0.0 93 93 years old  
1 0.0 139  
1 0.0 338  
1 0.0 339  
99616 14.6 999 DOB bad

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

Census Prcnt Code Value and Description

364534 53.4 1 Male  
254381 37.3 2 Female  
63184 9.3 9 Uncoded & errors, non-numeric data

STATE OF MICHIGAN  
1993 - Passenger injury

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

## Passenger degree of injury

Census Prcnt	Code	Value and Description
64519	9.5	0 Uncoded & errors
1414	0.2	1 Killed
18028	2.6	2 Incapacitating injury
33576	4.9	3 Non-incapacitating injury
82944	12.2	4 Possible
481618	70.6	5 No injury

```
-----
Variable 311  AMBULANCE CODE                      Width: 4      Type: Numeric
-----
Dec:      None      Miss: None
```



## Michigan 1993

## 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
air-bag	304	*	PASSENGER AIR-BAG
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 1993 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 1993 Index (continued)

Item	Var	CV	Variable Name or Code Value
california	213	5	California
car	43	2	Car - car
card	144	1	1 person card
card	207	*	MEDICAL CARD
cards	144	0	0 persons cards
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 RESTRICTIONS 28
cdl	209	*	CDL RESTRICTIONS 29
cdl	210	*	CDL RESTRICTIONS 30
cdl	211	*	CDL RESTRICTIONS 35
cdl	212	*	CDL RESTRICTIONS 36
cdl	213	*	CDL LICENSE STATE
cdl	214	*	SOURCE OF CDL INFO
charlevoix	10	15	Charlevoix
chauffeurs	152	2	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/tpw
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)

## Michigan 1993 Index (continued)

Item	Var	CV	Variable Name or Code Value
code	43	0	Invalid code
code	311	*	AMBULANCE CODE
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 SEC
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 re-cycled thru MALI d
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: NON-TRAFFIC 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

## Michigan 1993 Index (continued)

Item	Var	CV	Variable Name or Code Value
crash	63	*	NUMBER FATAL IN CRASH
crash	111	*	DRIVABLE AFTER CRASH
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

## Michigan 1993 Index (continued)

Item	Var	CV	Variable Name or Code Value
deployed	148	1	Deployed
deployed	304	1	Deployed
dickinson	10	22	Dickinson
direction	12	2	Reverse direction intersecting street is
direction	18	7	Direction to/from intersecting st is imp
direction	19	*	ORIG DIRECTION
direction	32	8	Sideswipe same direction
direction	113	*	DIRECTION OF TRAVEL
distance	18	8	Distance to/from intersecting st is impr
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

## Michigan 1993 Index (continued)

Item	Var	CV	Variable Name or Code Value
ejection	149	*	DRIVER EJECTION
ejection	305	*	PASSENGER EJECTION
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

## Michigan 1993 Index (continued)

Item	Var	CV	Variable Name or Code Value
female	309	2	Female
fence	114	37	Fence
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: NON-TRAFFIC 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
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



## Michigan 1993 Index (continued)

Item	Var	CV	Variable Name or Code Value
georgia	108	11	Georgia
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 non-emergency 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

## Michigan 1993 Index (continued)

Item	Var	CV	Variable Name or Code Value
idaho	108	13	Idaho
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	66	*	TOTAL A INJURED IN ACC
injured	67	*	TOTAL B INJURED IN ACC
injured	68	*	TOTAL C INJURED IN ACC
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 ACC
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

## Michigan 1993 Index (continued)

Item	Var	CV	Variable Name or Code Value
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
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

## Michigan 1993 Index (continued)

Item	Var	CV	Variable Name or Code Value
lap	147	3	Lap only used
lap	303	3	Lap only used
lapeer	10	44	Lapeer
lay	112	29	Stand/lay in road
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

## Michigan 1993 Index (continued)

Item	Var	CV	Variable Name or Code Value
male	309	1	Male
mali	17	2	Could not automatically locate in MALI i
manistee	10	51	Manistee
manitoba	108	55	Manitoba
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

## Michigan 1993 Index (continued)

Item	Var	CV	Variable Name or Code Value
monroe	10	58	Monroe
montana	108	27	Montana
montana	151	27	Montana
montana	213	27	Montana
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	3	Moped
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
non-collision	114	14	Other non-collision
non-collision	115	14	Other non-collision
non-collision	116	14	Other non-collision
non-collision	117	14	Other non-collision
non-collision	122	14	Other non-collision
noncommerical	107	*	NONCOMM TRAILER CONFIG
non-emergency	105	8	Other government non-emergency vehicle
non-fixed	114	21	Other non-fixed object
non-fixed	115	21	Other non-fixed object
non-fixed	116	21	Other non-fixed object
non-fixed	117	21	Other non-fixed object
non-fixed	122	21	Other non-fixed object

## Michigan 1993 Index (continued)

Item	Var	CV	Variable Name or Code Value
nonincapacitating	64	3	B - nonincapacitating injury
nonincapacitating	136	3	B - nonincapacitating injury
non-incapacitating	159	3	Non-incapacitating injury
non-incapacitating	310	3	Non-incapacitating injury
non-numeric data	10	99	Non-numeric data
non-parked	60	*	TOTAL NON-PARKED UNITS
non-traffic	12	4	Non-traffic location (internally generat
non-traffic	22	19	Non-traffic area
non-traffic	52	*	FLAG: NON-TRAFFIC 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)
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

## Michigan 1993 Index (continued)

Item	Var	CV	Variable Name or Code Value
otsego	10	69	Otsego
ottawa	10	70	Ottawa
outside	21	4	Outside of the shoulder/curb-line
overtake	112	17	Overtake/passing
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 AIR-BAG
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



## Michigan 1993 Index (continued)

Item	Var	CV	Variable Name or Code Value
pedestrian	302	52	(P) Pedestrian
pennsylvania	108	39	Pennsylvania
pennsylvania	151	39	Pennsylvania
pennsylvania	213	39	Pennsylvania
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

## Michigan 1993 Index (continued)

Item	Var	CV	Variable Name or Code Value
railway	114	19	Railway train
railway	115	19	Railway train
railway	116	19	Railway train
railway	117	19	Railway train
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 01-09, non-numeric dat
reason	112	33	Other reason in road
rec	56	*	NUMBER TRUCK SUPPL RECS
rec	144	*	TOTAL OCC RECS FOR TU
recreational	107	6	Recreational double
recreational	155	0	No recreational double (uncoded & errors
re-cycled	17	3	This crash will be re-cycled thru MALI d
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 RESTRICTIONS 28
restriction	209	*	CDL RESTRICTIONS 29
restriction	210	*	CDL RESTRICTIONS 30
restriction	211	*	CDL RESTRICTIONS 35
restriction	212	*	CDL RESTRICTIONS 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

## Michigan 1993 Index (continued)

Item	Var	CV	Variable Name or Code Value
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
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
secondary	12	*	CONTROL SEC
section	12	0	Primary street is not an MDOT Control Se
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

## Michigan 1993 Index (continued)

Item	Var	CV	Variable Name or Code Value
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
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

## Michigan 1993 Index (continued)

Item	Var	CV	Variable Name or Code Value
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
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
thirty-two	62	32	Thirty-two injured
thru	17	3	This crash will be re-cycled thru MALI d
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
traffic	20	*	NUMBER OF TRAFFIC LANES

## Michigan 1993 Index (continued)

Item	Var	CV	Variable Name or Code Value
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
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 RECS
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
twp	18	2	Invalid city/twp
type	27	*	CONSTRUCTION TYPE

## Michigan 1993 Index (continued)

Item	Var	CV	Variable Name or Code Value
type	101	*	VEHICLE TYPE
type	102	*	CDL TRUCK TYPE
type	152	*	LICENSE TYPE
type	153	*	LICENSE TYPE - CYCLE
type	154	*	LICENSE TYPE - FARM
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
type-1	200	*	CDL TYPE-1
type-2	201	*	CDL TYPE-2 H
type-2	202	*	CDL TYPE-2 N
type-2	203	*	CDL TYPE-2 P
type-2	204	*	CDL TYPE-2 T
type-2	205	*	CDL TYPE-2 X
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

## Michigan 1993 Index (continued)

Item	Var	CV	Variable Name or Code Value
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
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 ACC
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



