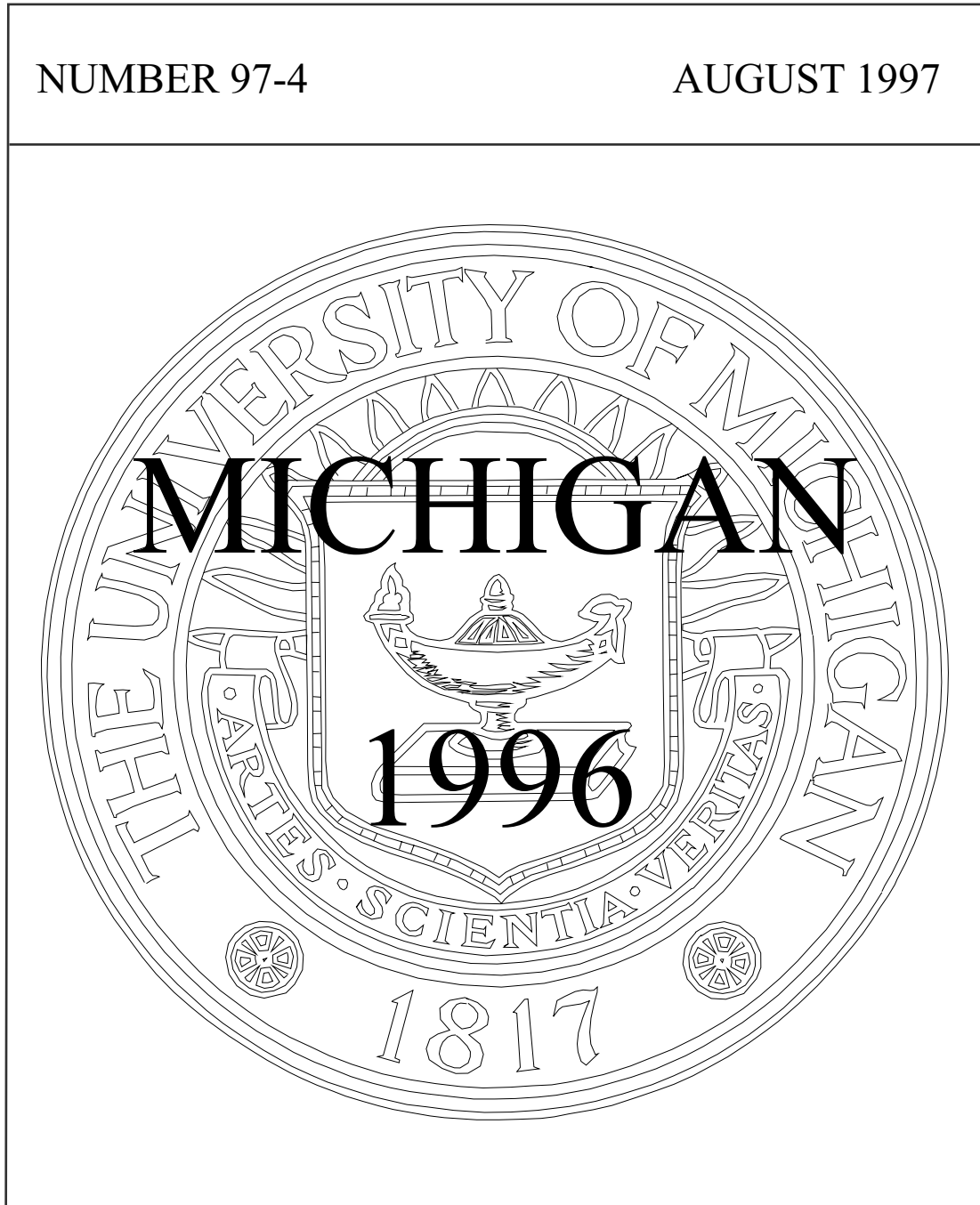


Transportation Data Center
Data Set Codebook

NUMBER 97-4

AUGUST 1997



The University of Michigan
Transportation Research Institute

STATE OF MICHIGAN
1996 MOTOR VEHICLE ACCIDENT CODEBOOK

INTRODUCTION

This code book documents data sets describing motor vehicle accidents that occurred in the State of Michigan during calendar year 1996. 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.

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 1996, 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 applicable" code values for truck supplement variables.

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

1996 MICHIGAN DATA SETS

CATEGORY	KEY	VARIABLES	CASES
Census	MIC96ACC	1-71	435,477
	MIC96VEH	1-71, 100-159	759,008
	MIC96OCC	1-71, 100-159, 300-311	799,443
Truck	MIT96ACC	1-71	17,626
	MIT96VEH	1-71, 100-159, 200-224	34,040
	MIT96OCC	1-71, 100-159, 200-224, 300-311	35,626

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.).
- 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 truck data variables (described by variables 200 through 224), enumerated in the Vehicle data set immediately following the Census data set univariates, include 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 driver or injured occupant involved in the accident. Some uninjured, non-driver occupants are present as well. 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 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 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 Truck Vehicle data set, and frequencies for variables 300 through 311 were derived from the Occupant data set.

The definitions of the code values described in the codebook were taken from a document known as the "Official State of Michigan Crash File Layout" (last revision May 22, 1995) that was produced by the Data Processing Section of the Michigan Criminal Justice Data Center. Other code definitions are self-explanatory counters that the Transportation Data Center has 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 (313) 763-3230.

STATE OF MICHIGAN
1996 - Accident

Variable Number	Variable Name	Width	Storage Type	Page Number

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

STATE OF MICHIGAN
1996 - Accident

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

STATE OF MICHIGAN
1996 - Vehicle/Driver

Variable Number	Variable Name	Width	Storage Type	Page Number
100	UNIT NUMBER	2	Numeric	27
101	VEHICLE TYPE	2	Numeric	27
102	CDL TRUCK TYPE	2	Numeric	28
103	CDL TRUCK BODY STYLE	2	Numeric	29
104	SPECIAL VEHICLE	1	Numeric	29
105	VEHICLE USE	2	Numeric	29
106	VEHICLE DEFECT	1	Numeric	30
107	NONCOMM TRAILER CONFIG	1	Numeric	30
108	REGISTRATION STATE	2	Numeric	30
109	WORST IMPACT POINT	2	Numeric	32
110	EXTENT OF DAMAGE	1	Numeric	32
111	DRIVABLE AFTER CRASH	1	Numeric	32
112	ACTION PRIOR TO CRASH	2	Numeric	33
113	DIRECTION OF TRAVEL	2	Numeric	33
114	HARMFUL EVENT #1	2	Numeric	34
115	HARMFUL EVENT #2	2	Numeric	35
116	HARMFUL EVENT #3	2	Numeric	36
117	HARMFUL EVENT #4	2	Numeric	37
118	EVENT 1 MOST HARMFUL	1	Numeric	38
119	EVENT 2 MOST HARMFUL	1	Numeric	38
120	EVENT 3 MOST HARMFUL	1	Numeric	39
121	EVENT 4 MOST HARMFUL	1	Numeric	39
122	MOST HARMFUL EVENT:MOST	2	Numeric	39
123	HAZARDOUS ACTION	2	Numeric	40
124	DRIVER HAZARDOUS CITATN	1	Numeric	41
125	DRIVER OTHER CITATION	1	Numeric	41
126	DRINKING INFORMATION	1	Numeric	41
127	REFUSAL INFORMATION	1	Numeric	41
128	FIELD SOBRIETY TEST	1	Numeric	41
129	PBT TEST	1	Numeric	42
130	BREATHALYZER TEST	1	Numeric	42
131	URINE TEST	1	Numeric	42
132	BLOOD TEST	1	Numeric	42
133	TOTAL OCCUPANTS IN VEH	2	Numeric	42
134	CMPTD NUMBER FATAL	3	Numeric	43
135	CMPTD NUMBER INJURED	3	Numeric	43
136	TU WORST INJURY	1	Numeric	43
137	TU TOTAL KILLED	2	Numeric	44
138	TU TOTAL A INJURED	2	Numeric	44
139	TU TOTAL B INJURED	2	Numeric	44
140	TU TOTAL C INJURED	2	Numeric	45
141	TU TOTAL INJURED	2	Numeric	45
142	TU TOTAL CASUALTIES	2	Numeric	45
143	TU TOTAL UNINJURED	1	Numeric	46
144	TOTAL OCC RECS FOR TU	2	Numeric	46
145	TDC-UMTRI UNIT NUMBER	2	Numeric	46
146	DRIVER POSITION	2	Numeric	47
147	DRIVER RESTRAINT	2	Numeric	47
148	DRIVER AIRBAG	1	Numeric	48
149	DRIVER EJECTION	1	Numeric	48

STATE OF MICHIGAN
1996 - Vehicle/Driver

Variable Number	Variable Name	Width	Storage Type	Page Number
150	DRIVER TRAPPED	1	Numeric	48
151	DRIVER LICENSE STATE	2	Numeric	48
152	LICENSE TYPE	1	Numeric	50
153	LICENSE TYPE - CYCLE	1	Numeric	50
154	LICENSE TYPE - FARM	1	Numeric	50
155	LICENSE-RECREATIONAL DBL	1	Numeric	50
156	DRIVER BIRTH DATE	8	Numeric	50
157	DRIVER AGE	3	Numeric	51
158	DRIVER SEX	1	Numeric	51
159	DRIVER DEGREE OF INJURY	1	Numeric	51

STATE OF MICHIGAN
1996 - Truck

Variable Number	Variable Name	Width	Storage Type	Page Number
200	CDL GROUP TYPE	1	Numeric	53
201	CDL H ENDORSEMENT	1	Numeric	53
202	CDL N ENDORSEMENT	1	Numeric	53
203	CDL P ENDORSEMENT	1	Numeric	54
204	CDL T ENDORSEMENT	1	Numeric	54
205	CDL X ENDORSEMENT	1	Numeric	54
206	CDL EXEMPT	1	Numeric	54
207	MEDICAL CARD	1	Numeric	55
208	CDL RESTRICTION 28	1	Numeric	55
209	CDL RESTRICTION 29	1	Numeric	55
210	CDL RESTRICTION 30	1	Numeric	55
211	CDL RESTRICTION 35	1	Numeric	56
212	CDL RESTRICTION 36	1	Numeric	56
213	CDL LICENSE STATE	2	Numeric	56
214	SOURCE OF CDL INFO	1	Numeric	58
215	INTER/INTRA STATE	1	Numeric	58
216	GROSS VEH WEIGHT RATING	6	Numeric	58
217	HAZMAT: TYPE	4	Numeric	58
218	HAZMAT: CLASS	2	Numeric	58
219	HAZMAT: PLACARD	1	Numeric	59
220	HAZMAT: SPILL	1	Numeric	59
221	TYPE & AXLES - 1ST UNIT	2	Alphabetic	59
222	TYPE & AXLES - 2ND UNIT	2	Alphabetic	59
223	TYPE & AXLES - 3RD UNIT	2	Alphabetic	59
224	TYPE & AXLES - 4TH UNIT	2	Alphabetic	60

STATE OF MICHIGAN
1996 - Person Injury

Variable Number	Variable Name	Width	Storage Type	Page Number

300	UNIT NUMBER	2	Numeric	61
301	PERSON NUMBER	3	Numeric	61
302	PERSON POSITION	2	Numeric	61
303	PERSON RESTRAINT	2	Numeric	62
304	PERSON AIRBAG	1	Numeric	62
305	PERSON EJECTION	1	Numeric	63
306	PERSON TRAPPED	1	Numeric	63
307	BIRTH DATE	8	Numeric	63
308	AGE	3	Numeric	63
309	PERSON SEX	1	Numeric	63
310	PERSON DEGREE OF INJ	1	Numeric	64
311	AMBULANCE CODE	4	Alphabetic	64

The ACCIDENT Variables

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

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

Dec: None Miss: 0

Variable 2 ACCIDENT MONTH Width: 2 Type: Numeric

Dec: None Miss: 0

Truck Prcnt	Census Prcnt	ACCIDENT MONTH
1789	10.1	01. January
1550	8.8	02. February
1465	8.3	03. March
1223	6.9	04. April
1434	8.1	05. May
1373	7.8	06. June
1231	7.0	07. July
1352	7.7	08. August
1352	7.7	09. September
1562	8.9	10. October
1681	9.5	11. November
1614	9.2	12. December

Variable 3 ACCIDENT DAY Width: 2 Type: Numeric

Dec: None Miss: 0

Truck Prcnt	Census Prcnt	ACCIDENT DAY
508	2.9	01.
		- . Day of month
303	1.7	31.

Variable 4 ACCIDENT YEAR Width: 4 Type: Numeric

Dec: None Miss: None

Truck Prcnt	Census Prcnt	ACCIDENT YEAR
17626	100.0	1996. 1996

STATE OF MICHIGAN
1996 - Accident

Truck	Prcnt	Census	Prcnt	Var 6 WEEK OF YEAR
455	2.6	10211	2.3	07. February 12 - February 18
287	1.6	7132	1.6	08. February 19 - February 25
398	2.3	9297	2.1	09. February 26 - March 3
459	2.6	9188	2.1	10. March 4 - March 10
240	1.4	6137	1.4	11. March 11 - March 17
365	2.1	7527	1.7	12. March 18 - March 24
273	1.5	6958	1.6	13. March 25 - March 31
247	1.4	6649	1.5	14. April 1 - April 7
218	1.2	6253	1.4	15. April 8 - April 15
315	1.8	6904	1.6	16. April 15 - April 21
303	1.7	6602	1.5	17. April 22 - April 28
353	2.0	7415	1.7	18. April 29 - May 5
296	1.7	7827	1.8	19. May 6 - May 12
322	1.8	6937	1.6	20. May 13 - May 19
350	2.0	7638	1.8	21. May 20 - May 26
288	1.6	7440	1.7	22. May 27 - June 2
342	1.9	8578	2.0	23. June 3 - June 9
346	2.0	8139	1.9	24. June 10 - June 16
298	1.7	8087	1.9	25. June 17 - June 23
352	2.0	7700	1.8	26. June 24 - June 30
201	1.1	7140	1.6	27. July 1 - July 7
258	1.5	7065	1.6	28. July 8 - July 14
297	1.7	6937	1.6	29. July 15 - July 21
323	1.8	7143	1.6	30. July 22 - July 28
266	1.5	6953	1.6	31. July 29 - August 4
303	1.7	6884	1.6	32. August 5 - August 11
298	1.7	6800	1.6	33. August 12 - August 18
324	1.8	7405	1.7	34. August 19 - August 25
320	1.8	6790	1.6	35. August 26 - September 1
274	1.6	6988	1.6	36. September 2 - September 8
336	1.9	8077	1.9	37. September 9 - September 15
340	1.9	8134	1.9	38. September 16 - September 22
338	1.9	8753	2.0	39. September 23 - September 29
345	2.0	8503	2.0	40. September 30 - October 6
361	2.0	8690	2.0	41. October 7 - October 13
330	1.9	8758	2.0	42. October 14 - October 20
308	1.7	9803	2.3	43. October 21 - October 27
375	2.1	10395	2.4	44. October 28 - November 3
375	2.1	11158	2.6	45. November 4 - November 10
453	2.6	11579	2.7	46. November 11 - November 17
354	2.0	9905	2.3	47. November 18 - November 24
407	2.3	10628	2.4	48. November 25 - December 1
418	2.4	11375	2.6	49. December 2 - December 8
348	2.0	8843	2.0	50. December 9 - December 15
512	2.9	11065	2.5	51. December 16 - December 22
270	1.5	10368	2.4	52. December 23 - December 29
58	0.3	2101	0.5	53. December 30 - December 31
0	0.0	0	0.0	99. Missing data

STATE OF MICHIGAN
1996 - Accident

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

Dec: None Miss: 99999

Variable 8 DAY OF WEEK Width: 1 Type: Numeric

Dec: None Miss: 9

Truck Prcnt	Census Prcnt	DAY OF WEEK
438 2.5	44877 10.3	1. Sunday
3210 18.2	62800 14.4	2. Monday
3322 18.8	65237 15.0	3. Tuesday
3335 18.9	63614 14.6	4. Wednesday
3115 17.7	65653 15.1	5. Thursday
3133 17.8	72622 16.7	6. Friday
1073 6.1	60674 13.9	7. Saturday

Variable 9 HOUR OF WEEK Width: 3 Type: Numeric

Dec: None Miss: 999

Truck Prcnt	Census Prcnt	HOUR OF WEEK
14 0.1	1903 0.4	000. 12:00 a.m. - 12:59 a.m. Sunday
7 0.0	1837 0.4	001. 1:00 a.m. - 1:59 a.m. Sunday
13 0.1	2063 0.5	002. 2:00 a.m. - 2:59 a.m. Sunday
8 0.0	1173 0.3	003. 3:00 a.m. - 3:59 a.m. Sunday
4 0.0	753 0.2	004. 4:00 a.m. - 4:59 a.m. Sunday
12 0.1	796 0.2	005. 5:00 a.m. - 5:59 a.m. Sunday
3 0.0	830 0.2	006. 6:00 a.m. - 6:59 a.m. Sunday
8 0.0	824 0.2	007. 7:00 a.m. - 7:59 a.m. Sunday
16 0.1	876 0.2	008. 8:00 a.m. - 8:59 a.m. Sunday
15 0.1	1311 0.3	009. 9:00 a.m. - 9:59 a.m. Sunday
22 0.1	1460 0.3	010. 10:00 a.m. - 10:59 a.m. Sunday
22 0.1	1719 0.4	011. 11:00 a.m. - 11:59 a.m. Sunday
21 0.1	2253 0.5	012. 12:00 noon - 12:59 p.m. Sunday
25 0.1	2360 0.5	013. 1:00 p.m. - 1:59 p.m. Sunday
29 0.2	2423 0.6	014. 2:00 p.m. - 2:59 p.m. Sunday
20 0.1	2464 0.6	015. 3:00 p.m. - 3:59 p.m. Sunday
31 0.2	2539 0.6	016. 4:00 p.m. - 4:59 p.m. Sunday
20 0.1	2723 0.6	017. 5:00 p.m. - 5:59 p.m. Sunday
25 0.1	3090 0.7	018. 6:00 p.m. - 6:59 p.m. Sunday
29 0.2	2728 0.6	019. 7:00 p.m. - 7:59 p.m. Sunday
18 0.1	2474 0.6	020. 8:00 p.m. - 8:59 p.m. Sunday
24 0.1	2239 0.5	021. 9:00 p.m. - 9:59 p.m. Sunday
35 0.2	1907 0.4	022. 10:00 p.m. - 10:59 p.m. Sunday
12 0.1	1415 0.3	023. 11:00 p.m. - 11:59 p.m. Sunday
14 0.1	871 0.2	024. 12:00 a.m. - 12:59 a.m. Monday
23 0.1	735 0.2	025. 1:00 a.m. - 1:59 a.m. Monday
15 0.1	706 0.2	026. 2:00 a.m. - 2:59 a.m. Monday
12 0.1	539 0.1	027. 3:00 a.m. - 3:59 a.m. Monday
24 0.1	594 0.1	028. 4:00 a.m. - 4:59 a.m. Monday
42 0.2	1128 0.3	029. 5:00 a.m. - 5:59 a.m. Monday
90 0.5	2184 0.5	030. 6:00 a.m. - 6:59 a.m. Monday

STATE OF MICHIGAN
1996 - Accident

Truck	Prcnt	Census	Prcnt	Var	9 HOUR OF WEEK
226	1.3	3839	0.9	031.	7:00 a.m. - 7:59 a.m. Monday
244	1.4	3346	0.8	032.	8:00 a.m. - 8:59 a.m. Monday
221	1.3	2403	0.6	033.	9:00 a.m. - 9:59 a.m. Monday
230	1.3	2346	0.5	034.	10:00 a.m. - 10:59 a.m. Monday
241	1.4	2813	0.6	035.	11:00 a.m. - 11:59 a.m. Monday
249	1.4	3304	0.8	036.	12:00 noon - 12:59 p.m. Monday
243	1.4	3247	0.7	037.	1:00 p.m. - 1:59 p.m. Monday
254	1.4	3960	0.9	038.	2:00 p.m. - 2:59 p.m. Monday
309	1.8	4999	1.1	039.	3:00 p.m. - 3:59 p.m. Monday
255	1.4	4584	1.1	040.	4:00 p.m. - 4:59 p.m. Monday
128	0.7	5160	1.2	041.	5:00 p.m. - 5:59 p.m. Monday
111	0.6	4043	0.9	042.	6:00 p.m. - 6:59 p.m. Monday
70	0.4	3108	0.7	043.	7:00 p.m. - 7:59 p.m. Monday
56	0.3	2488	0.6	044.	8:00 p.m. - 8:59 p.m. Monday
46	0.3	2352	0.5	045.	9:00 p.m. - 9:59 p.m. Monday
28	0.2	1839	0.4	046.	10:00 p.m. - 10:59 p.m. Monday
42	0.2	1339	0.3	047.	11:00 p.m. - 11:59 p.m. Monday
31	0.2	887	0.2	048.	12:00 a.m. - 12:59 a.m. Tuesday
34	0.2	708	0.2	049.	1:00 a.m. - 1:59 a.m. Tuesday
27	0.2	641	0.1	050.	2:00 a.m. - 2:59 a.m. Tuesday
26	0.1	455	0.1	051.	3:00 a.m. - 3:59 a.m. Tuesday
28	0.2	508	0.1	052.	4:00 a.m. - 4:59 a.m. Tuesday
49	0.3	1196	0.3	053.	5:00 a.m. - 5:59 a.m. Tuesday
91	0.5	2332	0.5	054.	6:00 a.m. - 6:59 a.m. Tuesday
274	1.6	4362	1.0	055.	7:00 a.m. - 7:59 a.m. Tuesday
300	1.7	3906	0.9	056.	8:00 a.m. - 8:59 a.m. Tuesday
244	1.4	2794	0.6	057.	9:00 a.m. - 9:59 a.m. Tuesday
208	1.2	2643	0.6	058.	10:00 a.m. - 10:59 a.m. Tuesday
241	1.4	3037	0.7	059.	11:00 a.m. - 11:59 a.m. Tuesday
229	1.3	3469	0.8	060.	12:00 noon - 12:59 p.m. Tuesday
243	1.4	3114	0.7	061.	1:00 p.m. - 1:59 p.m. Tuesday
268	1.5	3844	0.9	062.	2:00 p.m. - 2:59 p.m. Tuesday
291	1.7	4882	1.1	063.	3:00 p.m. - 3:59 p.m. Tuesday
222	1.3	4700	1.1	064.	4:00 p.m. - 4:59 p.m. Tuesday
160	0.9	5628	1.3	065.	5:00 p.m. - 5:59 p.m. Tuesday
100	0.6	4278	1.0	066.	6:00 p.m. - 6:59 p.m. Tuesday
63	0.4	2950	0.7	067.	7:00 p.m. - 7:59 p.m. Tuesday
43	0.2	2402	0.6	068.	8:00 p.m. - 8:59 p.m. Tuesday
39	0.2	2260	0.5	069.	9:00 p.m. - 9:59 p.m. Tuesday
39	0.2	1926	0.4	070.	10:00 p.m. - 10:59 p.m. Tuesday
38	0.2	1378	0.3	071.	11:00 p.m. - 11:59 p.m. Tuesday
30	0.2	861	0.2	072.	12:00 a.m. - 12:59 a.m. Wednesday
31	0.2	707	0.2	073.	1:00 a.m. - 1:59 a.m. Wednesday
35	0.2	655	0.2	074.	2:00 a.m. - 2:59 a.m. Wednesday
38	0.2	507	0.1	075.	3:00 a.m. - 3:59 a.m. Wednesday
25	0.1	521	0.1	076.	4:00 a.m. - 4:59 a.m. Wednesday
50	0.3	1201	0.3	077.	5:00 a.m. - 5:59 a.m. Wednesday
93	0.5	2145	0.5	078.	6:00 a.m. - 6:59 a.m. Wednesday
242	1.4	4077	0.9	079.	7:00 a.m. - 7:59 a.m. Wednesday
252	1.4	3451	0.8	080.	8:00 a.m. - 8:59 a.m. Wednesday
202	1.1	2371	0.5	081.	9:00 a.m. - 9:59 a.m. Wednesday
235	1.3	2322	0.5	082.	10:00 a.m. - 10:59 a.m. Wednesday
234	1.3	2932	0.7	083.	11:00 a.m. - 11:59 a.m. Wednesday
242	1.4	3408	0.8	084.	12:00 noon - 12:59 p.m. Wednesday

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Truck	Prcnt	Census	Prcnt	Var	9	HOUR	OF	WEEK			
216	1.2	2993	0.7	085.	1:00	p.m.	-	1:59	p.m.	Wednesday	
262	1.5	3869	0.9	086.	2:00	p.m.	-	2:59	p.m.	Wednesday	
317	1.8	5172	1.2	087.	3:00	p.m.	-	3:59	p.m.	Wednesday	
232	1.3	4899	1.1	088.	4:00	p.m.	-	4:59	p.m.	Wednesday	
208	1.2	5568	1.3	089.	5:00	p.m.	-	5:59	p.m.	Wednesday	
111	0.6	4293	1.0	090.	6:00	p.m.	-	6:59	p.m.	Wednesday	
66	0.4	2810	0.6	091.	7:00	p.m.	-	7:59	p.m.	Wednesday	
49	0.3	2351	0.5	092.	8:00	p.m.	-	8:59	p.m.	Wednesday	
52	0.3	2311	0.5	093.	9:00	p.m.	-	9:59	p.m.	Wednesday	
37	0.2	1863	0.4	094.	10:00	p.m.	-	10:59	p.m.	Wednesday	
30	0.2	1403	0.3	095.	11:00	p.m.	-	11:59	p.m.	Wednesday	
28	0.2	955	0.2	096.	12:00	a.m.	-	12:59	a.m.	Thursday	
28	0.2	836	0.2	097.	1:00	a.m.	-	1:59	a.m.	Thursday	
23	0.1	758	0.2	098.	2:00	a.m.	-	2:59	a.m.	Thursday	
20	0.1	479	0.1	099.	3:00	a.m.	-	3:59	a.m.	Thursday	
24	0.1	501	0.1	100.	4:00	a.m.	-	4:59	a.m.	Thursday	
42	0.2	1105	0.3	101.	5:00	a.m.	-	5:59	a.m.	Thursday	
99	0.6	2086	0.5	102.	6:00	a.m.	-	6:59	a.m.	Thursday	
174	1.0	3817	0.9	103.	7:00	a.m.	-	7:59	a.m.	Thursday	
257	1.5	3313	0.8	104.	8:00	a.m.	-	8:59	a.m.	Thursday	
222	1.3	2250	0.5	105.	9:00	a.m.	-	9:59	a.m.	Thursday	
193	1.1	2341	0.5	106.	10:00	a.m.	-	10:59	a.m.	Thursday	
249	1.4	3080	0.7	107.	11:00	a.m.	-	11:59	a.m.	Thursday	
213	1.2	3499	0.8	108.	12:00	noon	-	12:59	p.m.	Thursday	
236	1.3	3196	0.7	109.	1:00	p.m.	-	1:59	p.m.	Thursday	
268	1.5	4086	0.9	110.	2:00	p.m.	-	2:59	p.m.	Thursday	
286	1.6	5407	1.2	111.	3:00	p.m.	-	3:59	p.m.	Thursday	
233	1.3	5228	1.2	112.	4:00	p.m.	-	4:59	p.m.	Thursday	
153	0.9	5763	1.3	113.	5:00	p.m.	-	5:59	p.m.	Thursday	
95	0.5	4138	1.0	114.	6:00	p.m.	-	6:59	p.m.	Thursday	
70	0.4	3111	0.7	115.	7:00	p.m.	-	7:59	p.m.	Thursday	
36	0.2	2515	0.6	116.	8:00	p.m.	-	8:59	p.m.	Thursday	
43	0.2	2507	0.6	117.	9:00	p.m.	-	9:59	p.m.	Thursday	
37	0.2	2025	0.5	118.	10:00	p.m.	-	10:59	p.m.	Thursday	
44	0.2	1669	0.4	119.	11:00	p.m.	-	11:59	p.m.	Thursday	
30	0.2	1185	0.3	120.	12:00	a.m.	-	12:59	a.m.	Friday	
32	0.2	1000	0.2	121.	1:00	a.m.	-	1:59	a.m.	Friday	
31	0.2	1056	0.2	122.	2:00	a.m.	-	2:59	a.m.	Friday	
26	0.1	599	0.1	123.	3:00	a.m.	-	3:59	a.m.	Friday	
39	0.2	536	0.1	124.	4:00	a.m.	-	4:59	a.m.	Friday	
51	0.3	1098	0.3	125.	5:00	a.m.	-	5:59	a.m.	Friday	
70	0.4	2024	0.5	126.	6:00	a.m.	-	6:59	a.m.	Friday	
194	1.1	3604	0.8	127.	7:00	a.m.	-	7:59	a.m.	Friday	
243	1.4	3204	0.7	128.	8:00	a.m.	-	8:59	a.m.	Friday	
197	1.1	2407	0.6	129.	9:00	a.m.	-	9:59	a.m.	Friday	
218	1.2	2575	0.6	130.	10:00	a.m.	-	10:59	a.m.	Friday	
227	1.3	3363	0.8	131.	11:00	a.m.	-	11:59	a.m.	Friday	
270	1.5	4098	0.9	132.	12:00	noon	-	12:59	p.m.	Friday	
252	1.4	3741	0.9	133.	1:00	p.m.	-	1:59	p.m.	Friday	
259	1.5	4446	1.0	134.	2:00	p.m.	-	2:59	p.m.	Friday	
292	1.7	5703	1.3	135.	3:00	p.m.	-	3:59	p.m.	Friday	
203	1.2	5577	1.3	136.	4:00	p.m.	-	4:59	p.m.	Friday	
144	0.8	5685	1.3	137.	5:00	p.m.	-	5:59	p.m.	Friday	
93	0.5	4787	1.1	138.	6:00	p.m.	-	6:59	p.m.	Friday	

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Truck	Prcnt	Census	Prcnt	Var 10	COUNTY
45	0.3	1168	0.3	16.	Cheboygan
57	0.3	1807	0.4	17.	Chippewa
32	0.2	1776	0.4	18.	Clare
110	0.6	2916	0.7	19.	Clinton
25	0.1	887	0.2	20.	Crawford
83	0.5	2659	0.6	21.	Delta
44	0.2	1771	0.4	22.	Dickinson
173	1.0	4712	1.1	23.	Eaton
47	0.3	1765	0.4	24.	Emmet
608	3.4	16677	3.8	25.	Genesee
15	0.1	1187	0.3	26.	Gladwin
41	0.2	673	0.2	27.	Gogebic
142	0.8	3944	0.9	28.	Grand Traverse
57	0.3	1964	0.5	29.	Gratiot
87	0.5	2474	0.6	30.	Hillsdale
39	0.2	1505	0.3	31.	Houghton
42	0.2	2190	0.5	32.	Huron
414	2.3	12910	3.0	33.	Ingham
94	0.5	3034	0.7	34.	Ionia
27	0.2	1409	0.3	35.	Iosco
23	0.1	900	0.2	36.	Iron
60	0.3	3227	0.7	37.	Isabella
321	1.8	7559	1.7	38.	Jackson
483	2.7	10857	2.5	39.	Kalamazoo
40	0.2	911	0.2	40.	Kalkaska
1147	6.5	25544	5.9	41.	Kent
3	0.0	85	0.0	42.	Keweenaw
14	0.1	699	0.2	43.	Lake
119	0.7	4014	0.9	44.	Lapeer
10	0.1	813	0.2	45.	Leelanau
165	0.9	3870	0.9	46.	Lenawee
229	1.3	5739	1.3	47.	Livingston
16	0.1	394	0.1	48.	Luce
31	0.2	1046	0.2	49.	Mackinac
1227	7.0	27973	6.4	50.	Macomb
28	0.2	1175	0.3	51.	Manistee
102	0.6	3200	0.7	52.	Marquette
40	0.2	1744	0.4	53.	Mason
48	0.3	3071	0.7	54.	Mecosta
56	0.3	1997	0.5	55.	Menominee
97	0.6	3292	0.8	56.	Midland
20	0.1	886	0.2	57.	Missaukee
346	2.0	5026	1.2	58.	Monroe
83	0.5	3400	0.8	59.	Montcalm
16	0.1	530	0.1	60.	Montmorency
204	1.2	6385	1.5	61.	Muskegon
54	0.3	2271	0.5	62.	Newaygo
1830	10.4	48423	11.1	63.	Oakland
23	0.1	1217	0.3	64.	Oceana
35	0.2	1448	0.3	65.	Ogemaw
22	0.1	647	0.1	66.	Ontonagon
44	0.2	1697	0.4	67.	Osceola
8	0.0	526	0.1	68.	Oscoda
55	0.3	1192	0.3	69.	Otsego

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Truck Prcnt	Census Prcnt	Var 20	NUMBER OF TRAFFIC LANES	
1751	9.9	49149	11.3	05. Five lanes
309	1.8	6665	1.5	06. Six lanes
232	1.3	4450	1.0	07. Seven lanes
53	0.3	992	0.2	08. Eight lanes
23	0.1	425	0.1	09. Nine lanes
287	1.6	7941	1.8	99. Uncoded & errors, nonnumeric data

Variable 21 RELATIONSHIP TO ROADWAY Width: 1 Type: Numeric

Dec: None Miss: 0

Truck Prcnt	Census Prcnt	RELATIONSHIP TO ROADWAY	
79	0.4	2452 0.6	0. Uncoded & errors
15778	89.5	370652 85.1	1. On the road
151	0.9	2599 0.6	2. In the median
680	3.9	18198 4.2	3. On the shoulder
682	3.9	34738 8.0	4. Outside of the shoulder/curb-line
16	0.1	745 0.2	5. In the gore (area between ramp and Xway convergence)
240	1.4	6093 1.4	6. Unknown relationship

Variable 22 AREA OF ROAD AT CRASH Width: 2 Type: Numeric

Dec: None Miss: 0

Truck Prcnt	Census Prcnt	AREA OF ROAD AT CRASH	
On Expressway			
395	2.2	10339 2.4	00. Uncoded & errors
878	5.0	13157 3.0	01. Entrance/exit ramp related
50	0.3	881 0.2	02. Median crossing related
300	1.7	3805 0.9	03. Transition area
13	0.1	194 0.0	04. Rest area related
11	0.1	232 0.1	05. Scale/weigh station related
2649	15.0	27537 6.3	06. All other freeway areas
Related to or within 150' of an intersection			
3559	20.2	88407 20.3	07. Within intersection
1040	5.9	28015 6.4	08. Driveway related/150'
1995	11.3	40494 9.3	09. Other intersect related
Other area			
4582	26.0	167473 38.5	10. Straight road unrelated others
484	2.7	15539 3.6	11. Curved road unrelated others
687	3.9	17174 3.9	12. Driveway related
346	2.0	10160 2.3	13. Parking related
116	0.7	2164 0.5	14. Transition area
112	0.6	1712 0.4	15. Median crossing related
107	0.6	807 0.2	16. Rail crossing related
12	0.1	294 0.1	17. Rest area
11	0.1	210 0.0	18. Scale/weigh station related

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Truck Prcnt	Census Prcnt	Var 22	AREA OF ROAD AT CRASH	
68	0.4	1968	0.5	19. Nontraffic area
205	1.2	4645	1.1	20. Other
6	0.0	270	0.1	21. Unknown

Variable 23 ROAD CONDITIONS Width: 1 Type: Numeric

Dec: None Miss: 0

Truck Prcnt	Census Prcnt	ROAD CONDITIONS	
240	1.4	6613 1.5	0. Uncoded & errors
11024	62.5	271356 62.3	1. Dry
3338	18.9	83826 19.2	2. Wet
1454	8.2	34994 8.0	3. Icy
1235	7.0	29356 6.7	4. Snowy
31	0.2	741 0.2	5. Muddy
208	1.2	5059 1.2	6. Slushy
9	0.1	261 0.1	7. Debris
87	0.5	3271 0.8	8. Other

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

Dec: None Miss: 99

Truck Prcnt	Census Prcnt	SPEED LIMIT AT CRASHSITE	
44	0.2	792 0.2	00. Stopped
5	0.0	150 0.0	05. 5 miles per hour
19	0.1	367 0.1	10. 10 miles per hour
92	0.5	1898 0.4	15. 15 miles per hour
18	0.1	574 0.1	20. 20 miles per hour
	0.0	1 0.0	22.
3289	18.7	80337 18.4	25. 25 miles per hour
	0.0	3 0.0	26.
1359	7.7	28205 6.5	30. 30 miles per hour
	0.0	2 0.0	31.
	0.0	1 0.0	33.
2229	12.6	60044 13.8	35. 35 miles per hour
	0.0	5 0.0	36.
1033	5.9	30868 7.1	40. 40 miles per hour
	0.0	2 0.0	41.
	0.0	1 0.0	44.
2105	11.9	57309 13.2	45. 45 miles per hour
	0.0	1 0.0	46.
514	2.9	13843 3.2	50. 50 miles per hour
4482	25.4	124759 28.6	55. 55 miles per hour
0	0.0	26 0.0	60. 60 miles per hour
1594	9.0	16655 3.8	65. 65 miles per hour
843	4.8	19634 4.5	99. Uncoded & errors

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

Truck Prcnt	Census Prcnt	POSTED SPEED LIMIT		
1145	6.5	32866	7.5	0. Uncoded & errors
13449	76.3	306788	70.4	1. Yes
3032	17.2	95823	22.0	2. No

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

Truck Prcnt	Census Prcnt	TRAFFIC CONTROL		
1252	7.1	40701	9.3	0. Uncoded & errors
3904	22.1	83290	19.1	1. Signal
2032	11.5	48528	11.1	2. Stop Sign
134	0.8	3999	0.9	3. Yield Sign
10304	58.5	258959	59.5	4. None

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

Truck Prcnt	Census Prcnt	CONSTRUCTION TYPE		
16973	96.3	429666	98.7	0. Uncoded & errors
595	3.4	5327	1.2	1. Construction/Maintenance
58	0.3	484	0.1	2. Utility

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

Truck Prcnt	Census Prcnt	CONSTRUCTION LANE CLOSED		
16774	95.2	423278	97.2	0. Uncoded & errors
430	2.4	3520	0.8	1. Yes
422	2.4	8679	2.0	2. No

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

Truck Prcnt	Census Prcnt	CONSTRUCTION ACTIVITY		
16403	93.1	413885	95.0	0. Uncoded & errors
632	3.6	9365	2.2	1. On road
131	0.7	1276	0.3	2. Off road
460	2.6	10951	2.5	3. None

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Variable 33 CRASH INVESTGTD AT SCENE Width: 1 Type: Numeric

Dec: None Miss: 0

Truck Prcnt	Census Prcnt	CRASH WAS INVESTIGATED AT THE SCENE		
300	1.7	9597	2.2	0. Uncoded & errors
14171	80.4	300656	69.0	1. Yes
3155	17.9	125224	28.8	2. No

Variable 34 COMPLAINT STATUS Width: 1 Type: Numeric

Dec: None Miss: 0

Truck Prcnt	Census Prcnt	COMPLAINT STATUS		
3402	19.3	89878	20.6	0. Uncoded & errors
415	2.4	12105	2.8	1. Closed
13809	78.3	333494	76.6	2. Open

Variable 35 PUBLIC PROPERTY DAMAGED Width: 1 Type: Numeric

Dec: None Miss: 0

Truck Prcnt	Census Prcnt	PUBLIC PROPERTY DAMAGED		
16371	92.9	401025	92.1	0. Uncoded & errors
717	4.1	18534	4.3	1. Yes
538	3.1	15918	3.7	2. No

Variable 36 FLAG: NO SPECIAL CIRCUMS Width: 1 Type: Numeric

Dec: None Miss: 0

Truck Prcnt	Census Prcnt	FLAG: NO SPECIAL CIRCUMSTANCES IN CRASH		
3725	21.1	132918	30.5	0. Uncoded & errors
13901	78.9	302559	69.5	1. Yes

Variable 37 FLAG: DEER INVOLV/ASSOC Width: 1 Type: Numeric

Dec: None Miss: 0

Truck Prcnt	Census Prcnt	FLAG: DEER WAS INVOLVED/ASSOCIATED WITH CRASH		
17065	96.8	367244	84.3	0. Uncoded & errors
561	3.2	68233	15.7	1. Yes

Variable 38 FLAG: SCHOOL BUS INV/ASC Width: 1 Type: Numeric

Dec: None Miss: 0

Truck Prcnt	Census Prcnt	FLAG: SCHOOL BUS WAS INVOLV/ASSOC WITH CRASH		
16374	92.9	433865	99.6	0. Uncoded & errors
1252	7.1	1612	0.4	1. Yes

Variable 39 FLAG: HIT AND RUN Width: 1 Type: Numeric

Dec: None Miss: 0

Truck Prcnt	Census Prcnt	FLAG: HIT AND RUN		
16525	93.8	392560	90.1	0. Uncoded & errors
1101	6.2	42917	9.9	1. Yes

Variable 40 FLAG: FLEEING /PURSUING Width: 1 Type: Numeric

Dec: None Miss: 0

Truck Prcnt	Census Prcnt	FLAG: VEHICLE FLEEING PURSUIT OR IN PURSUIT		
17611	99.9	434252	99.7	0. Uncoded & errors
15	0.1	1225	0.3	1. Yes

Variable 41 FLAG: SPECIAL LOCAL STDY Width: 1 Type: Numeric

Dec: None Miss: 0

Truck Prcnt	Census Prcnt	FLAG: CRASH IS USED IN A SPECIAL LOCAL STUDY		
17346	98.4	428324	98.4	0. Uncoded & errors
280	1.6	7153	1.6	1. Yes

Variable 42 FLAG: SPECIAL STATE STDY Width: 1 Type: Numeric

Dec: None Miss: 0

Truck Prcnt	Census Prcnt	FLAG: CRASH IS USED IN A SPECIAL STATE STUDY		
17469	99.1	432649	99.4	0. Uncoded & errors
157	0.9	2828	0.6	1. Yes

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

Truck Prcnt	Census Prcnt	FLAG: TRUCK OR BUS	
0	0.0	415791	95.5
17626	100.0	19686	4.5
			0. Uncoded & errors
			1. This crash involved a truck or bus

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

Truck Prcnt	Census Prcnt	FLAG: SNOWMOBILE	
17622	100.0	435023	99.9
4	0.0	454	0.1
			0. Uncoded & errors
			1. This crash involved a snowmobile

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

Truck Prcnt	Census Prcnt	FLAG: EMERGENCY VEHICLE	
17365	98.5	431247	99.0
261	1.5	4230	1.0
			0. Uncoded & errors
			1. This crash involved a police/fire/ambulance vehicle

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

Truck Prcnt	Census Prcnt	FLAG: ORV INVOLVED	
17624	100.0	435276	100.0
2	0.0	201	0.0
			0. Uncoded & errors
			1. This crash involved an Off Road Vehicle

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

Truck Prcnt	Census Prcnt	FLAG: PEDESTRIAN	
17555	99.6	431680	99.1
71	0.4	3797	0.9
			0. Uncoded & errors
			1. This crash involved a pedestrian

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

Truck Prcnt	Census Prcnt	AT LEAST ONE OF THE CRASH OCCUPANTS CODED PED	
100	0.6	6867	1.6
17526	99.4	428610	98.4

1. Pedestrian record present
 2. No pedestrian record for crash

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

Truck Prcnt	Census Prcnt	FLAG: NONTRAFFIC CRASH	
17626	100.0	435477	100.0
0	0.0	0	0.0

0. Uncoded & errors
 1. This was a nontraffic crash

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

Truck Prcnt	Census Prcnt	FLAG: BICYCLIST	
17597	99.8	432404	99.3
29	0.2	3073	0.7

0. Uncoded & errors
 1. This crash involved a bicyclist

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

Truck Prcnt	Census Prcnt	FLAG: FARM EQUIPMENT	
17594	99.8	435221	99.9
32	0.2	256	0.1

0. Uncoded & errors
 1. This crash involved any farm equipment

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

Truck Prcnt	Census Prcnt	FLAG: TRAIN ACCIDENT	
17617	99.9	435335	100.0
9	0.1	142	0.0

0. Uncoded & errors
 1. Engineer record found

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Variable 56 NUMBER TRUCK SUPPL FORMS Width: 3 Type: Numeric

Dec: None Miss: None

Truck Prcnt	Census Prcnt	# OF TRUCK SUPPLEMENT FORMS FOUND FOR CRASH		
0	0.0	417851	96.0	000. None
17273	98.0	17273	4.0	001. One form
335	1.9	335	0.1	002. Two forms
16	0.1	16	0.0	003. Three forms
0	0.0	0	0.0	004. Four forms
2	0.0	2	0.0	005. Five forms

Variable 57 FLAG: INJURY CRASH Width: 1 Type: Numeric

Dec: None Miss: 0

Truck Prcnt	Census Prcnt	FLAG: INJURY CRASH		
13898	78.8	336831	77.3	0. Uncoded & errors
3728	21.2	98646	22.7	1. This is an injury crash (injuries but no deaths)

Variable 58 FLAG: FATAL CRASH Width: 1 Type: Numeric

Dec: None Miss: 0

Truck Prcnt	Census Prcnt	FLAG: FATAL CRASH		
17490	99.2	434138	99.7	0. Uncoded & errors
136	0.8	1339	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

Truck Prcnt	Census Prcnt	TOTAL UNITS REPORTED		
2732	15.5	139177	32.0	01. One unit
13690	77.7	272200	62.5	02. Two units
962	5.5	20229	4.6	03. Three units
176	1.0	3142	0.7	04. Four units
32	0.2	537	0.1	05. Five units
16	0.1	104	0.0	06. Six units
6	0.0	41	0.0	07. Seven units
5	0.0	19	0.0	08. Eight units
7	0.0	28	0.0	09. Nine units

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Variable 60 TOTAL NONPARKED UNITS Width: 2 Type: Numeric

Dec: None Miss: None

Truck Prcnt	Census Prcnt	TOTAL NONPARKED UNITS		
29	0.2	443	0.1	00. None
3993	22.7	168081	38.6	01. One unit
12517	71.0	245858	56.5	02. Two units
867	4.9	17961	4.1	03. Three units
161	0.9	2605	0.6	04. Four units
27	0.2	391	0.1	05. Five units
16	0.1	82	0.0	06. Six units
6	0.0	25	0.0	07. Seven units
5	0.0	14	0.0	08. Eight units
5	0.0	17	0.0	09. Nine units

Variable 61 FILLER Width: 1 Type: Numeric

Dec: None Miss: None

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

Dec: None Miss: None

Truck Prcnt	Census Prcnt	NUMBER INJURED IN CRASH		
13823	78.4	336113	77.2	00. None
2797	15.9	69527	16.0	01. One injured
682	3.9	20711	4.8	02. Two injured
200	1.1	6312	1.4	03. Three injured
65	0.4	1930	0.4	04. Four injured
34	0.2	566	0.1	05. Five injured
12	0.1	207	0.0	06. Six injured
6	0.0	61	0.0	07. Seven injured
0	0.0	24	0.0	08. Eight injured
				- .
1	0.0	1	0.0	23. Twenty-three injured

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

Dec: None Miss: None

Truck Prcnt	Census Prcnt	NUMBER FATAL IN CRASH		
17490	99.2	434138	99.7	00. None
117	0.7	1208	0.3	01. One killed
14	0.1	106	0.0	02. Two killed
4	0.0	17	0.0	03. Three killed
1	0.0	6	0.0	04. Four killed
0	0.0	2	0.0	05. Five killed

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

Dec: None Miss: 9

Truck Prcnt	Census Prcnt	WORST INJURY IN ACCIDENT		
136	0.8	1339	0.3	1. Fatal
649	3.7	12481	2.9	2. A - incapacitating injury
935	5.3	25329	5.8	3. B - nonincapacitating injury
2143	12.2	60833	14.0	4. C - possible injury
13763	78.1	335495	77.0	5. No injury
0	0.0	0	0.0	9. Missing data

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

Dec: None Miss: 99

Truck Prcnt	Census Prcnt	TOTAL KILLED IN ACC		
17490	99.2	434138	99.7	00. 0 killed
117	0.7	1208	0.3	01. 1 killed
14	0.1	106	0.0	02. 2 killed
4	0.0	17	0.0	03. 3 killed
1	0.0	6	0.0	04. 4 killed
0	0.0	2	0.0	05. 5 killed

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

Dec: None Miss: 99

Truck Prcnt	Census Prcnt	TOTAL A-INJURED IN ACC		
16935	96.1	422547	97.0	00. 0 A-injured
564	3.2	10259	2.4	01. 1 A-injured
90	0.5	1976	0.5	02. 2 A-injured
27	0.2	489	0.1	03. 3 A-injured
5	0.0	137	0.0	04. 4 A-injured
1	0.0	46	0.0	05. 5 A-injured
2	0.0	13	0.0	06. 6 A-injured
1	0.0	6	0.0	07. 7 A-injured
0	0.0	3	0.0	09. 9 A-injured
1	0.0	1	0.0	19. 19 A-injured

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

Dec: None Miss: 99

Truck Prcnt	Census Prcnt	TOTAL B-INJURED IN ACC		
16587	94.1	407726	93.6	00. 0 B-injured
881	5.0	22870	5.3	01. 1 B-injured
117	0.7	3810	0.9	02. 2 B-injured
26	0.1	820	0.2	03. 3 B-injured
7	0.0	178	0.0	04. 4 B-injured

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Truck Prcnt	Census Prcnt	Var 67	TOTAL B-INJURED IN ACC
4 0.0	50 0.0	05.	5 B-injured
1 0.0	16 0.0	06.	6 B-injured
1 0.0	3 0.0	07.	7 B-injured
1 0.0	3 0.0	08.	8 B-injured
1 0.0	1 0.0	10.	10 B-injured

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

Dec: None Miss: 99

Truck Prcnt	Census Prcnt	TOTAL C-INJURED IN ACC
15126 85.8	365531 83.9	00. 0 C-injured
1986 11.3	53317 12.2	01. 1 C-injured
377 2.1	12706 2.9	02. 2 C-injured
92 0.5	2930 0.7	03. 3 C-injured
30 0.2	747 0.2	04. 4 C-injured
11 0.1	164 0.0	05. 5 C-injured
0 0.0	52 0.0	06. 6 C-injured
2 0.0	19 0.0	07. 7 C-injured
0 0.0	8 0.0	08. 8 C-injured
0 0.0	1 0.0	09. 9 C-injured
1 0.0	1 0.0	10. 10 C-injured
1 0.0	1 0.0	13. 13 C-injured

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

Dec: None Miss: 99

Truck Prcnt	Census Prcnt	TOTAL INJURED IN ACC
13824 78.4	336116 77.2	00. 0 injured
2796 15.9	69525 16.0	01. 1 injured
682 3.9	20710 4.8	02. 2 injured
200 1.1	6312 1.4	03. 3 injured
65 0.4	1930 0.4	04. 4 injured
34 0.2	566 0.1	05. 5 injured
12 0.1	207 0.0	06. 6 injured
6 0.0	61 0.0	07. 7 injured
0 0.0	24 0.0	08. 8 injured
2 0.0	16 0.0	09. 9 injured
3 0.0	7 0.0	10. 10 injured
0 0.0	1 0.0	11. 11 injured
1 0.0	1 0.0	13. 13 injured
1 0.0	1 0.0	23. 23 injured

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Variable 70 TOTAL CASUALTIES IN ACC Width: 2 Type: Numeric

Dec: None Miss: 99

TOTAL KILLED (v65) plus TOTAL INJURED (v69)

Truck Prcnt	Census Prcnt	TOTAL CASUALTIES IN ACC		
13763	78.1	335495	77.0	00. 0 casualties
2813	16.0	69763	16.0	01. 1 casualty
696	3.9	20839	4.8	02. 2 casualties
216	1.2	6438	1.5	03. 3 casualties
73	0.4	1990	0.5	04. 4 casualties
37	0.2	602	0.1	05. 5 casualties
14	0.1	228	0.1	06. 6 casualties
7	0.0	68	0.0	07. 7 casualties
0	0.0	28	0.0	08. 8 casualties
2	0.0	15	0.0	09. 9 casualties
3	0.0	7	0.0	10. 10 casualties
0	0.0	2	0.0	11. 11 casualties
1	0.0	1	0.0	13. 13 casualties
1	0.0	1	0.0	25. 25 casualties

Variable 71 TOTAL UNINJURED IN ACC Width: 2 Type: Numeric

Dec: None Miss: 99

Truck Prcnt	Census Prcnt	TOTAL UNINJURED OCC RECORDS PRESENT FOR CRASH		
965	5.5	54583	12.5	00. 0 persons
6515	37.0	197897	45.4	01. 1 person
9610	54.5	172136	39.5	02. 2 persons
442	2.5	9539	2.2	03. 3 persons
66	0.4	1127	0.3	04. 4 persons
16	0.1	139	0.0	05. 5 persons
7	0.0	37	0.0	06. 6 persons
5	0.0	13	0.0	07. 7 persons
0	0.0	5	0.0	08. 8 persons
0	0.0	1	0.0	09. 9 persons

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1996 - Vehicle/Driver

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Variable 102   CDL TRUCK TYPE                Width: 2   Type: Numeric
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Dec:   None Miss: 0
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Truck Prcnt Censu Prcnt CDL TRUCK TYPE FROM TRUCK SUPPLEMENT DATA

2528 7.4 2528 0.3 00. 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.

7700	22.6	7700	1.0	01. Commercial truck AA (Group A vehicle)
257	0.8	257	0.0	02. Commercial truck AH (Group A vehicle, Hazardous)
222	0.7	222	0.0	03. Commercial truck AN (Group A vehicle, Tank)
80	0.2	80	0.0	04. Commercial truck AP (Group A vehicle, Passenger)
724	2.1	724	0.1	05. Commercial truck AT (Group A vehicle, Double/Triple)
240	0.7	240	0.0	06. Commercial truck AX (Group A vehicle, Tank & Hazardous)
40	0.1	40	0.0	07. Commercial truck AY (Group A vehicle, Tank & Double/Triple)
42	0.1	42	0.0	08. Commercial truck AZ (Group A vehicle, Hazardous, Double/Triple)
49	0.1	49	0.0	09. Commercial truck AL (Group A vehicle, Hazardous tank, Double/Triple)

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

2978	8.7	2978	0.4	10. Commercial truck BB (Group B)
57	0.2	57	0.0	11. Commercial truck BH (Group B, Hazardous)
127	0.4	127	0.0	12. Commercial truck BN (Group B, Tank)
1210	3.6	1210	0.2	13. Commercial truck BP (Group B, Passenger)
68	0.2	68	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.

90	0.3	90	0.0	15. Commercial truck CH (Group C, Hazardous)
449	1.3	449	0.1	16. Commercial truck CP (Group C, Passenger)
27	0.1	27	0.0	17. Commercial truck CX (Group C, Tank & Hazardous)

Truck Prcnt	Census Prcnt	Var 102	CDL TRUCK TYPE	
1113	3.3	1113	0.1	18. Other
16039	47.1	741007	97.6	98. Non-CDL vehicle, no truck supplement data

Variable 103 CDL TRUCK BODY STYLE Width: 2 Type: Numeric

Dec: None Miss: 0

Truck Prcnt	Census Prcnt	CDL TRK BODY STYLE FROM TRUCK SUPPLEMENT DATA	
6316	18.6	6316 0.8	00. Uncoded & errors
5515	16.2	5515 0.7	01. Van/enclosed box
564	1.7	564 0.1	02. Cargo tank
1644	4.8	1644 0.2	03. Flatbed/platform
1440	4.2	1440 0.2	04. Dump
123	0.4	123 0.0	05. Concrete mixer
210	0.6	210 0.0	06. Auto transporter
452	1.3	452 0.1	07. Garbage/refuse
1737	5.1	1737 0.2	08. Other/unknown
16039	47.1	741007 97.6	98. Non-CDL vehicle, no truck supplement data

Variable 104 SPECIAL VEHICLE Width: 1 Type: Numeric

Dec: None Miss: 0

Truck Prcnt	Census Prcnt	SPECIAL VEHICLE	
31730	93.2	751302 99.0	0. Uncoded & errors
85	0.2	3451 0.5	1. Police
149	0.4	502 0.1	2. Fire
1414	4.2	1672 0.2	3. Bus
36	0.1	424 0.1	4. Ambulance
32	0.1	257 0.0	5. Farm
594	1.7	1400 0.2	6. Construction

Variable 105 VEHICLE USE Width: 2 Type: Numeric

Dec: None Miss: 0

Truck Prcnt	Census Prcnt	VEHICLE USE	
1554	4.6	59451 7.8	00. Uncoded & errors
14307	42.0	645187 85.0	01. Private
14840	43.6	42105 5.5	02. Commercial
115	0.3	1091 0.1	03. Pursuit/emergency (in use)
104	0.3	503 0.1	04. Farm
1445	4.2	2052 0.3	05. School/education
61	0.2	416 0.1	06. Club/church ("Y" tag)
9	0.0	104 0.0	07. Military vehicle
704	2.1	4345 0.6	08. Other government nonemergency vehicle

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Truck Prcnt	Census Prcnt	Var 105	VEHICLE USE	
183	0.5	713	0.1	09. Utility
503	1.5	1045	0.1	10. Road construction/maintenance
215	0.6	1996	0.3	11. Other

Variable 106 VEHICLE DEFECT Width: 1 Type: Numeric

Dec: None Miss: 0

Truck Prcnt	Census Prcnt	VEHICLE DEFECT	
33495	98.4	753063 99.2	0. Uncoded & errors
184	0.5	2259 0.3	1. Brakes
53	0.2	453 0.1	2. Lights/reflectors
28	0.1	323 0.0	3. Steering
96	0.3	841 0.1	4. Tires/wheels
25	0.1	490 0.1	5. Windows
159	0.5	1579 0.2	6. Other

Variable 107 NONCOMM TRAILER CONFIG Width: 1 Type: Numeric

Dec: None Miss: 0

Truck Prcnt	Census Prcnt	NONCOMM TRAILER CONFIG	
33277	97.8	754292 99.4	Noncommercial Trailer Configuration
221	0.6	1858 0.2	0. Uncoded & errors
42	0.1	407 0.1	1. Utility
16	0.0	535 0.1	2. House
25	0.1	259 0.0	3. Boat
51	0.1	341 0.0	4. Farm
7	0.0	125 0.0	5. Towed auto
401	1.2	1191 0.2	6. Recreational double
			7. Other

Variable 108 REGISTRATION STATE Width: 2 Type: Numeric

Dec: None Miss: 99

UNCODED, ERRORS = 'MI' SANITIZED = SPACES

Truck Prcnt	Census Prcnt	REGISTRATION STATE	
56	0.2	254 0.0	01. Alabama
3	0.0	47 0.0	02. Alaska
7	0.0	130 0.0	03. Arizona
8	0.0	90 0.0	04. Arkansas
43	0.1	393 0.1	05. California
4	0.0	149 0.0	06. Colorado
7	0.0	54 0.0	07. Connecticut
1	0.0	17 0.0	08. Delaware
1	0.0	21 0.0	09. District of Columbia

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Truck	Prcnt	Census	Prcnt	Var 108	REGISTRATION STATE
103	0.3	1279	0.2	10.	Florida
34	0.1	288	0.0	11.	Georgia
0	0.0	1	0.0	12.	Hawaii
16	0.0	60	0.0	13.	Idaho
1030	3.0	3268	0.4	14.	Illinois
597	1.8	3014	0.4	15.	Indiana
121	0.4	259	0.0	16.	Iowa
13	0.0	82	0.0	17.	Kansas
32	0.1	266	0.0	18.	Kentucky
5	0.0	93	0.0	19.	Louisiana
12	0.0	39	0.0	20.	Maine
19	0.1	129	0.0	21.	Maryland
12	0.0	98	0.0	22.	Massachusetts
28916	84.9	735447	96.9	23.	Michigan
75	0.2	297	0.0	24.	Minnesota
12	0.0	83	0.0	25.	Mississippi
82	0.2	263	0.0	26.	Missouri
6	0.0	40	0.0	27.	Montana
45	0.1	91	0.0	28.	Nebraska
2	0.0	35	0.0	29.	Nevada
0	0.0	37	0.0	30.	New Hampshire
50	0.1	174	0.0	31.	New Jersey
1	0.0	28	0.0	32.	New Mexico
49	0.1	449	0.1	33.	New York
74	0.2	354	0.0	34.	North Carolina
11	0.0	37	0.0	35.	North Dakota
752	2.2	4375	0.6	36.	Ohio
332	1.0	461	0.1	37.	Oklahoma
37	0.1	96	0.0	38.	Oregon
95	0.3	439	0.1	39.	Pennsylvania
0	0.0	0	0.0	40.	Puerto Rico
2	0.0	19	0.0	41.	Rhode Island
15	0.0	115	0.0	42.	South Carolina
19	0.1	50	0.0	43.	South Dakota
193	0.6	618	0.1	44.	Tennessee
75	0.2	576	0.1	45.	Texas
16	0.0	43	0.0	46.	Utah
1	0.0	24	0.0	47.	Vermont
26	0.1	262	0.0	48.	Virginia
7	0.0	84	0.0	49.	Washington
3	0.0	79	0.0	50.	West Virginia
332	1.0	1902	0.3	51.	Wisconsin
2	0.0	10	0.0	52.	Wyoming
24	0.1	44	0.0	53.	Alberta
4	0.0	12	0.0	54.	British Columbia
22	0.1	39	0.0	55.	Manitoba
4	0.0	13	0.0	56.	New Brunswick
0	0.0	0	0.0	57.	Newfoundland
0	0.0	0	0.0	58.	Northwest Territories
3	0.0	7	0.0	59.	Nova Scotia
530	1.6	1841	0.2	60.	Ontario
0	0.0	2	0.0	61.	Prince Edward Island
53	0.2	82	0.0	62.	Quebec
0	0.0	3	0.0	63.	Saskatchewan

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Truck Prcnt	Census Prcnt	Var 108	REGISTRATION STATE	
0	0.0	0	0.0	64. Yukon
0	0.0	1	0.0	65. Mexico
46	0.1	445	0.1	99. Sanitized, nonnumeric data

Variable 109 WORST IMPACT POINT Width: 2 Type: Numeric

Dec: None Miss: 99

Truck Prcnt	Census Prcnt	WORST IMPACT POINT		
1038	3.0	14931	2.0	00. None
6151	18.1	194825	25.7	01. Front center
3648	10.7	94960	12.5	02. Front corner, passenger side
2745	8.1	49569	6.5	03. Side, passenger
1890	5.6	33788	4.5	04. Rear corner, passenger side
3867	11.4	99657	13.1	05. Rear center
2208	6.5	34522	4.5	06. Rear corner, driver side
3400	10.0	57759	7.6	07. Side, driver
3962	11.6	101471	13.4	08. Front corner, driver side
264	0.8	5013	0.7	09. Undercarriage
905	2.7	14283	1.9	10. Multiple areas
1154	3.4	6488	0.9	11. Other/unknown
1542	4.5	9280	1.2	12. None
1266	3.7	42462	5.6	99. Uncoded & errors, nonnumeric data

Variable 110 EXTENT OF DAMAGE Width: 1 Type: Numeric

Dec: None Miss: 9

Truck Prcnt	Census Prcnt	EXTENT OF DAMAGE		
5569	16.4	38132	5.0	0. No damage
11983	35.2	248068	32.7	1. Slight damage
6281	18.5	192199	25.3	2. Slight damage
3733	11.0	116162	15.3	3. Moderate damage
2225	6.5	60367	8.0	4. Moderate damage
1153	3.4	27450	3.6	5. Moderate damage
758	2.2	14078	1.9	6. Heavy damage
699	2.1	8679	1.1	7. Heavy damage, not repairable
1639	4.8	53873	7.1	9. Uncoded & errors, nonnumeric data

Variable 111 DRIVABLE AFTER CRASH Width: 1 Type: Numeric

Dec: None Miss: 0

Truck Prcnt	Census Prcnt	DRIVABLE AFTER CRASH		
2551	7.5	82790	10.9	0. Uncoded & errors
24926	73.2	508091	66.9	1. Yes
6563	19.3	168127	22.2	2. No

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Variable 112   ACTION PRIOR TO CRASH           Width: 2   Type: Numeric
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Dec:          None Miss: 0
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Truck Prcnt	Census Prcnt	ACTION PRIOR TO CRASH		
Driver/cyclist action				
1088	3.2	26292	3.5	00. Uncoded & errors
14589	42.9	389274	51.3	01. Going straight
2449	7.2	58512	7.7	02. Turning left
2243	6.6	21570	2.8	03. Turning right
3802	11.2	71710	9.4	04. Stopped on road
61	0.2	1369	0.2	05. In prior crash
1539	4.5	16769	2.2	06. Change lanes
1533	4.5	18899	2.5	07. Backing
2522	7.4	59474	7.8	08. Slowing/stopping on road
62	0.2	964	0.1	09. Slowing/stopping on other
612	1.8	13530	1.8	10. Starting up on road
38	0.1	482	0.1	11. Starting up on other
56	0.2	1132	0.1	12. Enter parking
99	0.3	3185	0.4	13. Leave parking
429	1.3	11401	1.5	14. Enter road
61	0.2	1698	0.2	15. Leave road
75	0.2	1963	0.3	16. U-turn
555	1.6	7160	0.9	17. Overtake/passing
45	0.1	2134	0.3	18. Avoiding object
5	0.0	214	0.0	19. Avoiding pedestrian
414	1.2	6392	0.8	20. Avoid vehicle (front/back)
154	0.5	2787	0.4	21. Avoid vehicle (angle)
34	0.1	582	0.1	22. Driverless moving
1410	4.1	32021	4.2	23. Parked
Pedestrian action				
28	0.1	1385	0.2	24. Crossing at intersection
12	0.0	1353	0.2	25. Crossing not at intersection
4	0.0	99	0.0	26. Getting on/off vehicle
6	0.0	253	0.0	27. In road with traffic
4	0.0	114	0.0	28. In road against traffic
2	0.0	164	0.0	29. Stand/lay in road
3	0.0	74	0.0	30. Push/work on vehicle
6	0.0	54	0.0	31. Other work in road
1	0.0	128	0.0	32. Playing in road
7	0.0	270	0.0	33. Other reason in road
6	0.0	203	0.0	34. Not in road
42	0.1	808	0.1	35. Other
44	0.1	4589	0.6	36. Unknown

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

Truck Prcnt	Census Prcnt	DIRECTION OF TRAVEL		
1054	3.1	35814	4.7	00. Uncoded & errors
8152	23.9	173647	22.9	01. East

STATE OF MICHIGAN
1996 - Vehicle/Driver

Truck Prcnt	Census Prcnt	Var 117	HARMFUL EVENT #4	
2	0.0	202	0.0	20. Animal
3	0.0	112	0.0	21. Other nonfixed object
Collision With Fixed Object				
8	0.0	75	0.0	22. Bridge pier or abutment
1	0.0	37	0.0	23. Bridge parapet end
2	0.0	57	0.0	24. Bridge rail
25	0.1	407	0.1	25. Guardrail face
2	0.0	69	0.0	26. Guardrail end
24	0.1	253	0.0	27. Median barrier
14	0.0	447	0.1	28. Traffic sign post
2	0.0	36	0.0	29. Signal post
4	0.0	80	0.0	30. Luminaire support
19	0.1	698	0.1	31. Utility pole
5	0.0	217	0.0	32. Other pole
1	0.0	171	0.0	33. Culvert
8	0.0	170	0.0	34. Curb
63	0.2	2148	0.3	35. Ditch
15	0.0	581	0.1	36. Embankment
10	0.0	604	0.1	37. Fence
4	0.0	374	0.0	38. Mailbox
28	0.1	3045	0.4	39. Tree
0	0.0	5	0.0	40. Rail crossing signal
3	0.0	304	0.0	41. Building
0	0.0	10	0.0	42. Traffic island
1	0.0	109	0.0	43. Fire hydrant
0	0.0	5	0.0	44. Impact attenuator/crash cushion
16	0.0	661	0.1	45. Other fixed object

Variable 118 EVENT 1 MOST HARMFUL Width: 1 Type: Numeric

Dec: None Miss: 0

Truck Prcnt	Census Prcnt	FIRST EVENT WAS MOST HARMFUL IN CRASH	
6828	20.1	160348 21.1	0. Uncoded & errors
27212	79.9	598660 78.9	1. Yes

Variable 119 EVENT 2 MOST HARMFUL Width: 1 Type: Numeric

Dec: None Miss: 0

Truck Prcnt	Census Prcnt	SECOND EVENT WAS MOST HARMFUL IN CRASH	
31406	92.3	708707 93.4	0. Uncoded & errors
2634	7.7	50301 6.6	1. Yes

STATE OF MICHIGAN
1996 - Vehicle/Driver

Variable 124 DRIVER HAZARDOUS CITATN Width: 1 Type: Numeric

Dec: None Miss: 0

Truck Prcnt	Census Prcnt	DRIVER HAZARDOUS CITATN		
28312	83.2	624920	82.3	0. Uncoded & errors
5728	16.8	134088	17.7	1. Yes

Variable 125 DRIVER OTHER CITATION Width: 1 Type: Numeric

Dec: None Miss: 0

Truck Prcnt	Census Prcnt	DRIVER OTHER CITATION		
32812	96.4	726332	95.7	0. Uncoded & errors
1228	3.6	32676	4.3	1. Yes

Variable 126 DRINKING INFORMATION Width: 1 Type: Numeric

Dec: None Miss: 0

Truck Prcnt	Census Prcnt	DRINKING INFORMATION		
5772	17.0	155193	20.4	0. Uncoded & errors
374	1.1	22354	2.9	1. Yes
27894	81.9	581461	76.6	2. No

Variable 127 REFUSAL INFORMATION Width: 1 Type: Numeric

Dec: None Miss: 0

Truck Prcnt	Census Prcnt	REFUSAL INFORMATION		
25054	73.6	563278	74.2	0. Uncoded & errors
26	0.1	1502	0.2	1. Refused
8960	26.3	194228	25.6	2. Not offered

Variable 128 FIELD SOBRIETY TEST Width: 1 Type: Numeric

Dec: None Miss: 0

Truck Prcnt	Census Prcnt	FIELD SOBRIETY TEST		
33931	99.7	753644	99.3	0. Uncoded & errors
109	0.3	5364	0.7	1. Yes

STATE OF MICHIGAN
1996 - Vehicle/Driver

Truck Prcnt	Census Prcnt	Var 136	TU WORST INJURY	
2622	7.7	75696	10.0	4. C - possible injury
29537	86.8	639458	84.2	5. No injury
0	0.0	0	0.0	9. Missing data

Variable 137 TU TOTAL KILLED Width: 2 Type: Numeric

Dec: None Miss: 99

Truck Prcnt	Census Prcnt	TDC COMPUTED	TOTAL KILLED IN TRAFFIC UNIT	
33900	99.6	757619	99.8	00. 0 killed
125	0.4	1299	0.2	01. 1 killed
10	0.0	70	0.0	02. 2 killed
4	0.0	14	0.0	03. 3 killed
1	0.0	6	0.0	04. 4 killed

Variable 138 TU TOTAL A INJURED Width: 2 Type: Numeric

Dec: None Miss: 99

Truck Prcnt	Census Prcnt	TDC COMPUTED	TOTAL A-INJURED IN TRAFFIC UNIT	
33305	97.8	744753	98.1	00. 0 A-injured
628	1.8	12351	1.6	01. 1 A-injured
89	0.3	1581	0.2	02. 2 A-injured
11	0.0	250	0.0	03. 3 A-injured
3	0.0	41	0.0	04. 4 A-injured
1	0.0	20	0.0	05. 5 A-injured
1	0.0	5	0.0	06. 6 A-injured
1	0.0	4	0.0	07. 7 A-injured
0	0.0	2	0.0	09. 9 A-injured
1	0.0	1	0.0	19. 19 A-injured

Variable 139 TU TOTAL B INJURED Width: 2 Type: Numeric

Dec: None Miss: 99

Truck Prcnt	Census Prcnt	TDC COMPUTED	TOTAL B-INJURED IN TRAFFIC UNIT	
32945	96.8	729099	96.1	00. 0 B-injured
968	2.8	26430	3.5	01. 1 B-injured
94	0.3	2929	0.4	02. 2 B-injured
24	0.1	465	0.1	03. 3 B-injured
6	0.0	57	0.0	04. 4 B-injured
2	0.0	21	0.0	05. 5 B-injured
0	0.0	5	0.0	06. 6 B-injured
0	0.0	1	0.0	07. 7 B-injured
1	0.0	1	0.0	10. 10 B-injured

STATE OF MICHIGAN
1996 - Vehicle/Driver

Truck Prcnt	Census Prcnt	Var 142	TU TOTAL CASUALTIES
1 0.0	6 0.0	09.	9 casualties
1 0.0	2 0.0	10.	10 casualties
1 0.0	1 0.0	12.	12 casualties
1 0.0	1 0.0	24.	24 casualties

Variable 143 TU TOTAL UNINJURED Width: 1 Type: Numeric

Dec: None Miss: 9

Truck Prcnt	Census Prcnt	TDC COMPUTED	TOTAL UNINJURED IN TRAFFIC UNIT
4940 14.5	120615 15.9	0.	0 persons
21815 64.1	430616 56.7	1.	1 person
3531 10.4	112302 14.8	2.	2 persons
847 2.5	32360 4.3	3.	3 persons
376 1.1	13336 1.8	4.	4 persons
164 0.5	4208 0.6	5.	5 persons
95 0.3	1218 0.2	6.	6 persons
943 2.8	2053 0.3	7.	7 or more persons
1329 3.9	42300 5.6	9.	Missing data

Variable 144 TOTAL OCC RECS FOR TU Width: 2 Type: Numeric

Dec: None Miss: 9

Truck Prcnt	Census Prcnt	TDC COMPUTD # OF OCC RECORDS FOR TRAFFIC UNIT
32878 96.6	725604 95.6	01. 1 person record
885 2.6	27581 3.6	02. 2 person records
218 0.6	5062 0.7	03. 3 person records
29 0.1	487 0.1	04. 4 person records
14 0.0	192 0.0	05. 5 person records
7 0.0	42 0.0	06. 6 person records
3 0.0	23 0.0	07. 7 person records

Variable 145 TDC-UMTRI UNIT NUMBER Width: 2 Type: Numeric

Dec: None Miss: 0

Truck Prcnt	Census Prcnt	TDC-UMTRI UNIT NUMBER
17626 51.8	435477 57.4	01. Unit #1
7 0.0	21 0.0	09. Unit #9

STATE OF MICHIGAN
1996 - Vehicle/Driver

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

Truck	Prcnt	Census	Prcnt	DRIVER POSITION
33816	99.3	750103	98.8	01. Left front, in-line vehicle driver, Uncoded & errors
6	0.0	80	0.0	02. Center front
48	0.1	395	0.1	03. Right front
36	0.1	782	0.1	04. Left rear, in-line vehicle passenger #1
1	0.0	36	0.0	05. Center rear
0	0.0	3	0.0	06. Right rear
1	0.0	24	0.0	07. Left rear 3rd seat, in-line vehicle passenger #2
0	0.0	2	0.0	08. Center rear 3rd seat
2	0.0	25	0.0	09. Right rear 3rd seat
3	0.0	61	0.0	10. In sleeper
0	0.0	16	0.0	11. Other enclosed area
0	0.0	9	0.0	12. Other unenclosed area
2	0.0	24	0.0	13. In/on trailing unit
0	0.0	14	0.0	14. On vehicle exterior
10	0.0	230	0.0	15. Unknown
30	0.1	3091	0.4	50. (B) Bicyclist
9	0.0	142	0.0	51. (E) Engineer
76	0.2	3971	0.5	52. (P) Pedestrian

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

Truck	Prcnt	Census	Prcnt	DRIVER RESTRAINT
7714	22.7	122507	16.1	00. Uncoded & errors
209	0.6	3221	0.4	01. No belts available
88	0.3	2205	0.3	02. Shoulder only used
1659	4.9	6500	0.9	03. Lap only used
22362	65.7	580096	76.4	04. Both lap & shoulder used
1196	3.5	23346	3.1	05. No belts used
5	0.0	73	0.0	06. Child restraint used
1	0.0	55	0.0	07. Child restraint not used, unavailable or improper use
4	0.0	74	0.0	08. Restraint failed
763	2.2	17705	2.3	09. Restraint use unknown
23	0.1	2082	0.3	10. Helmet worn
13	0.0	1048	0.1	11. Helmet not worn
3	0.0	96	0.0	12. Helmet use unknown

STATE OF MICHIGAN
1996 - Vehicle/Driver

Truck	Prcnt	Census	Prcnt	Var	151 DRIVER LICENSE STATE
88	0.3	330	0.0	18.	Kentucky
22	0.1	110	0.0	19.	Louisiana
4	0.0	35	0.0	20.	Maine
19	0.1	133	0.0	21.	Maryland
4	0.0	140	0.0	22.	Massachusetts
29798	87.5	735119	96.9	23.	Michigan
59	0.2	293	0.0	24.	Minnesota
18	0.1	90	0.0	25.	Mississippi
93	0.3	303	0.0	26.	Missouri
8	0.0	59	0.0	27.	Montana
20	0.1	63	0.0	28.	Nebraska
4	0.0	86	0.0	29.	Nevada
3	0.0	53	0.0	30.	New Hampshire
23	0.1	166	0.0	31.	New Jersey
11	0.0	58	0.0	32.	New Mexico
81	0.2	559	0.1	33.	New York
65	0.2	290	0.0	34.	North Carolina
7	0.0	32	0.0	35.	North Dakota
728	2.1	4047	0.5	36.	Ohio
29	0.1	130	0.0	37.	Oklahoma
5	0.0	75	0.0	38.	Oregon
118	0.3	472	0.1	39.	Pennsylvania
0	0.0	2	0.0	40.	Puerto Rico
3	0.0	20	0.0	41.	Rhode Island
33	0.1	135	0.0	42.	South Carolina
13	0.0	42	0.0	43.	South Dakota
124	0.4	520	0.1	44.	Tennessee
140	0.4	846	0.1	45.	Texas
9	0.0	65	0.0	46.	Utah
1	0.0	26	0.0	47.	Vermont
38	0.1	280	0.0	48.	Virginia
10	0.0	133	0.0	49.	Washington
18	0.1	94	0.0	50.	West Virginia
271	0.8	1835	0.2	51.	Wisconsin
12	0.0	27	0.0	52.	Wyoming
10	0.0	35	0.0	53.	Alberta
8	0.0	21	0.0	54.	British Columbia
23	0.1	42	0.0	55.	Manitoba
2	0.0	8	0.0	56.	New Brunswick
0	0.0	0	0.0	57.	Newfoundland
0	0.0	0	0.0	58.	Northwest Territories
5	0.0	8	0.0	59.	Nova Scotia
596	1.8	1988	0.3	60.	Ontario
0	0.0	1	0.0	61.	Prince Edward Island
56	0.2	85	0.0	62.	Quebec
2	0.0	5	0.0	63.	Saskatchewan
0	0.0	0	0.0	64.	Yukon
0	0.0	3	0.0	65.	Mexico
37	0.1	509	0.1	99.	Sanitized, nonnumeric data

STATE OF MICHIGAN
1996 - Truck

Truck	Prcnt	Census	Prcnt	Var 213 CDL LICENSE STATE
5	0.0	5	0.0	22. Massachusetts
13477	39.6	13477	39.6	23. Michigan
100	0.3	100	0.3	24. Minnesota
16	0.0	16	0.0	25. Mississippi
74	0.2	74	0.2	26. Missouri
5	0.0	5	0.0	27. Montana
46	0.1	46	0.1	28. Nebraska
0	0.0	0	0.0	29. Nevada
1	0.0	1	0.0	30. New Hampshire
55	0.2	55	0.2	31. New Jersey
2	0.0	2	0.0	32. New Mexico
32	0.1	32	0.1	33. New York
53	0.2	53	0.2	34. North Carolina
12	0.0	12	0.0	35. North Dakota
640	1.9	640	1.9	36. Ohio
213	0.6	213	0.6	37. Oklahoma
26	0.1	26	0.1	38. Oregon
123	0.4	123	0.4	39. Pennsylvania
0	0.0	0	0.0	40. Puerto Rico
3	0.0	3	0.0	41. Rhode Island
21	0.1	21	0.1	42. South Carolina
18	0.1	18	0.1	43. South Dakota
152	0.4	152	0.4	44. Tennessee
76	0.2	76	0.2	45. Texas
13	0.0	13	0.0	46. Utah
0	0.0	0	0.0	47. Vermont
30	0.1	30	0.1	48. Virginia
3	0.0	3	0.0	49. Washington
2	0.0	2	0.0	50. West Virginia
313	0.9	313	0.9	51. Wisconsin
3	0.0	3	0.0	52. Wyoming
32	0.1	32	0.1	53. Alberta
2	0.0	2	0.0	54. British Columbia
24	0.1	24	0.1	55. Manitoba
7	0.0	7	0.0	56. New Brunswick
0	0.0	0	0.0	57. Newfoundland
1	0.0	1	0.0	58. Northwest Territories
1	0.0	1	0.0	59. Nova Scotia
449	1.3	449	1.3	60. Ontario
0	0.0	0	0.0	61. Prince Edward Island
51	0.1	51	0.1	62. Quebec
2	0.0	2	0.0	63. Saskatchewan
0	0.0	0	0.0	64. Yukon
0	0.0	0	0.0	65. Mexico
16039	47.1	16039	47.1	98. Non-CDL vehicle, no data
31	0.1	31	0.1	99. Sanitized, nonnumeric data

STATE OF MICHIGAN
1996 - Truck

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-----  
Variable 224  TYPE & AXLES - 4TH UNIT      Width: 2   Type: Alphabetic  
-----  
Dec:      None Miss: None
```

Number of axles for trailer or preface with 'S' if semi-trailer.

Examples --> "S2" = 2 axle semi-trailer or " 2" = a 2 axle trailer

STATE OF MICHIGAN
1996 - Person Injury

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

Truck Prcnt	Census Prcnt	Person degree of injury		
2595	7.3	79034	9.9	0. Uncoded & errors
161	0.5	1505	0.2	1. Killed
888	2.5	16622	2.1	2. Incapacitating injury
1272	3.6	34063	4.3	3. Nonincapacitating injury
3228	9.1	91868	11.5	4. Possible
27482	77.1	576351	72.1	5. No injury

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

Enter the four-digit ambulance code if known, or the name of the ambulance service, or the hospital where the individual was taken for treatment.

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

Michigan 1996 Index (continued)

Item	Var	CV	Variable Name or Code Value
auto	107	5	Towed auto
axle	221	*	TYPE & AXLES - 1ST UNIT
axle	222	*	TYPE & AXLES - 2ND UNIT
axle	223	*	TYPE & AXLES - 3RD UNIT
axle	224	*	TYPE & AXLES - 4TH UNIT
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
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 1996 Index (continued)

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

Michigan 1996 Index (continued)

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

Michigan 1996 Index (continued)

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

Michigan 1996 Index (continued)

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

Michigan 1996 Index (continued)

Item	Var	CV	Variable Name or Code Value
embankment	114	36	Embankment
embankment	115	36	Embankment
embankment	116	36	Embankment
embankment	117	36	Embankment
embankment	122	36	Embankment
emergency	48	*	FLAG: EMERGENCY VEHICLE
emergency	105	3	Pursuit/emergency (in use)
emmet	10	24	Emmet
endorsement	201	*	CDL H ENDORSEMENT
endorsement	202	*	CDL N ENDORSEMENT
endorsement	203	*	CDL P ENDORSEMENT
endorsement	204	*	CDL T ENDORSEMENT
endorsement	205	*	CDL X ENDORSEMENT
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

Michigan 1996 Index (continued)

Item	Var	CV	Variable Name or Code Value
fell	117	13	Individual fell off
fell	122	13	Individual fell off
female	158	2	Female
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
filler	61	*	FILLER
fire	48	1	This crash involved a police/fire/ambula
fire	104	2	Fire
fire	114	8	Fire/explosion
fire	115	8	Fire/explosion
fire	116	8	Fire/explosion
fire	117	8	Fire/explosion
fire	122	8	Fire/explosion
fixed	114	45	Other fixed object
fixed	115	45	Other fixed object
fixed	116	45	Other fixed object
fixed	117	45	Other fixed object
fixed	122	45	Other fixed object
flag	17	*	LOCATION FLAG
flag	36	*	FLAG: NO SPECIAL CIRCUMS
flag	37	*	FLAG: DEER INVOLV/ASSOC
flag	38	*	FLAG: SCHOOL BUS INV/ASC
flag	39	*	FLAG: HIT AND RUN
flag	40	*	FLAG: FLEEING /PURSUING
flag	41	*	FLAG: SPECIAL LOCAL STDY
flag	42	*	FLAG: SPECIAL STATE STDY
flag	44	*	FLAG: PROPERTY DAMAGE
flag	45	*	FLAG: DRINKING OPERATOR
flag	46	*	FLAG: TRUCK OR BUS
flag	47	*	FLAG: SNOWMOBILE
flag	48	*	FLAG: EMERGENCY VEHICLE
flag	49	*	FLAG: ORV INVOLVED
flag	50	*	FLAG: PEDESTRIAN
flag	51	*	FLAG: PED REC PRESENT
flag	52	*	FLAG: NONTRAFFIC CRASH
flag	53	*	FLAG: BICYCLIST
flag	54	*	FLAG: FARM EQUIPMENT
flag	55	*	FLAG: TRAIN ACCIDENT
flag	57	*	FLAG: INJURY CRASH
flag	58	*	FLAG: FATAL CRASH
flatbed	103	3	Flatbed/platform
fleeing	40	*	FLAG: FLEEING /PURSUING
florida	108	10	Florida
florida	151	10	Florida
florida	213	10	Florida
fog	30	3	Fog/smoke
freeway	22	6	All other freeway areas
friday	8	6	Friday
friday	9	120	12:00 a.m. - 12:59 a.m. Friday
front	109	1	Front center
front	112	20	Avoid vehicle (front/back)

Michigan 1996 Index (continued)

Item	Var	CV	Variable Name or Code Value
front	146	1	Left front, in-line vehicle driver, Unco
front	302	1	Left front, in-line vehicle driver, unco
garbage	103	7	Garbage/refuse
genesee	10	25	Genesee
georgia	108	11	Georgia
georgia	151	11	Georgia
georgia	213	11	Georgia
gladwin	10	26	Gladwin
go-cart	101	7	Go-cart (GC)
gogebic	10	27	Gogebic
gore	21	5	In the gore (area between ramp and Xway
government	105	8	Other government nonemergency vehicle
grand traverse	10	28	Grand Traverse
gratiot	10	29	Gratiot
gross	216	*	GROSS VEH WEIGHT RATING
guardrail	114	25	Guardrail face
guardrail	115	25	Guardrail face
guardrail	116	25	Guardrail face
guardrail	117	25	Guardrail face
guardrail	122	25	Guardrail face
hail	30	7	Sleet/hail
harmful	114	*	HARMFUL EVENT #1
harmful	115	*	HARMFUL EVENT #2
harmful	116	*	HARMFUL EVENT #3
harmful	117	*	HARMFUL EVENT #4
harmful	118	*	EVENT 1 MOST HARMFUL
harmful	119	*	EVENT 2 MOST HARMFUL
harmful	120	*	EVENT 3 MOST HARMFUL
harmful	121	*	EVENT 4 MOST HARMFUL
harmful	122	*	MOST HARMFUL EVENT:MOST
hawaii	108	12	Hawaii
hawaii	151	12	Hawaii
hawaii	213	12	Hawaii
hazardous	102	2	Commercial truck AH (Group A vehicle, Ha
hazardous	123	*	HAZARDOUS ACTION
hazardous	124	*	DRIVER HAZARDOUS CITATN
hazmat	217	*	HAZMAT: TYPE
hazmat	218	*	HAZMAT: CLASS
hazmat	219	*	HAZMAT: PLACARD
hazmat	220	*	HAZMAT: SPILL
head	32	2	Head on
heavy	110	6	Heavy damage
helmet	147	10	Helmet worn
helmet	303	10	Helmet worn
highway	13	*	HIGHWAY CLASS
highway	14	*	HIGHWAY NUMBER
highway	15	*	HIGHWAY CONTROL SECTION
hillsdale	10	30	Hillsdale
hit	39	*	FLAG: HIT AND RUN
houghton	10	31	Houghton
hour	9	*	HOUR OF WEEK
hour	24	5	5 miles per hour
house	107	2	House
huron	10	32	Huron
hydrant	114	43	Fire hydrant
hydrant	115	43	Fire hydrant

Michigan 1996 Index (continued)

Item	Var	CV	Variable Name or Code Value
hydrant	116	43	Fire hydrant
hydrant	117	43	Fire hydrant
hydrant	122	43	Fire hydrant
icy	23	3	Icy
idaho	108	13	Idaho
idaho	151	13	Idaho
idaho	213	13	Idaho
illinois	108	14	Illinois
illinois	151	14	Illinois
illinois	213	14	Illinois
immersion	114	9	Immersion
immersion	115	9	Immersion
immersion	116	9	Immersion
immersion	117	9	Immersion
immersion	122	9	Immersion
impact	109	*	WORST IMPACT POINT
impact	114	44	Impact attenuator/crash cushion
impact	115	44	Impact attenuator/crash cushion
impact	116	44	Impact attenuator/crash cushion
impact	117	44	Impact attenuator/crash cushion
impact	122	44	Impact attenuator/crash cushion
incapacitating	64	2	A - incapacitating injury
incapacitating	136	2	A - incapacitating injury
incapacitating	159	2	Incapacitating injury
incapacitating	310	2	Incapacitating injury
indiana	108	15	Indiana
indiana	151	15	Indiana
indiana	213	15	Indiana
individual	114	13	Individual fell off
individual	115	13	Individual fell off
individual	116	13	Individual fell off
individual	117	13	Individual fell off
individual	122	13	Individual fell off
information	126	*	DRINKING INFORMATION
information	127	*	REFUSAL INFORMATION
information	214	*	SOURCE OF CDL INFO
ingham	10	33	Ingham
injured	62	*	NUMBER INJURED IN CRASH
injured	69	*	TOTAL INJURED IN ACC
injured	135	*	CMPTD NUMBER INJURED
injured	138	*	TU TOTAL A INJURED
injured	139	*	TU TOTAL B INJURED
injured	140	*	TU TOTAL C INJURED
injured	141	*	TU TOTAL INJURED
injuries	44	1	This is a P.D. only crash (no injuries o
injuries	57	1	This is an injury crash (injuries but no
injury	57	*	FLAG: INJURY CRASH
injury	64	*	WORST INJURY IN ACCIDENT
injury	136	*	TU WORST INJURY
injury	159	*	DRIVER DEGREE OF INJURY
injury	310	*	PERSON DEGREE OF INJ
inter	215	*	INTER/INTRA STATE
intersect	18	5	Streets do not intersect in co/city give
intersect	22	9	Other intersect related
intersecting	12	2	Reverse direction intersecting street is
intersecting	18	4	Intersecting street not found in co/city

Michigan 1996 Index (continued)

Item	Var	CV	Variable Name or Code Value
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
jackknife	114	10	Jackknife
jackknife	115	10	Jackknife
jackknife	116	10	Jackknife
jackknife	117	10	Jackknife
jackknife	122	10	Jackknife
jackson	10	38	Jackson
january	2	1	January
january	6	1	January 1- January 7
julian	7	*	JULIAN DAY FROM 03-01-00
july	2	7	July
july	6	27	July 1- July 7
june	2	6	June
june	6	22	May 27 - June 2
kalamazoo	10	39	Kalamazoo
kalkaska	10	40	Kalkaska
kansas	108	17	Kansas
kansas	151	17	Kansas
kansas	213	17	Kansas
kent	10	41	Kent
kentucky	108	18	Kentucky
kentucky	151	18	Kentucky
kentucky	213	18	Kentucky
keweenaw	10	42	Keweenaw
killed	63	1	One killed
killed	65	*	TOTAL KILLED IN ACC
killed	134	0	0 killed
killed	137	*	TU TOTAL KILLED
killed	159	1	Killed
killed	310	1	Killed
lake	10	43	Lake
lane	20	*	NUMBER OF TRAFFIC LANES
lane	28	*	CONSTRUCTION LANE CLOSED
lane	112	6	Change lanes
lane	123	8	Improper lane usage
lap	147	3	Lap only used
lap	303	3	Lap only used

Michigan 1996 Index (continued)

Item	Var	CV	Variable Name or Code Value
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
male	309	1	Male
mali	17	2	Could not automatically locate in MALI i

Michigan 1996 Index (continued)

Item	Var	CV	Variable Name or Code Value
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. - 12:59 a.m. Monday
monroe	10	58	Monroe
montana	108	27	Montana

Michigan 1996 Index (continued)

Item	Var	CV	Variable Name or Code Value
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 license
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
motorcycle	43	4	Car - motorcycle, moped
motorhome	101	2	Van, motorhome (VA)
muddy	23	5	Muddy
muskegon	10	61	Muskegon
nebraska	108	28	Nebraska
nebraska	151	28	Nebraska
nebraska	213	28	Nebraska
nevada	108	29	Nevada
nevada	151	29	Nevada
nevada	213	29	Nevada
new brunswick	108	56	New Brunswick
new brunswick	151	56	New Brunswick
new brunswick	213	56	New Brunswick
new hampshire	108	30	New Hampshire
new hampshire	151	30	New Hampshire
new hampshire	213	30	New Hampshire
new jersey	108	31	New Jersey
new jersey	151	31	New Jersey
new jersey	213	31	New Jersey
new mexico	108	32	New Mexico
new mexico	151	32	New Mexico
new mexico	213	32	New Mexico
new york	108	33	New York
new york	151	33	New York
new york	213	33	New York
newaygo	10	62	Newaygo
newfoundland	108	57	Newfoundland
newfoundland	151	57	Newfoundland
newfoundland	213	57	Newfoundland
noncollision	114	14	Other noncollision
noncollision	115	14	Other noncollision
noncollision	116	14	Other noncollision
noncollision	117	14	Other noncollision
noncollision	122	14	Other noncollision
noncommercial	107	*	NONCOMM TRAILER CONFIG
nonemergency	105	8	Other government nonemergency vehicle
nonfixed	114	21	Other nonfixed object
nonfixed	115	21	Other nonfixed object
nonfixed	116	21	Other nonfixed object
nonfixed	117	21	Other nonfixed object
nonfixed	122	21	Other nonfixed object
nonincapacitating	64	3	B - nonincapacitating injury
nonincapacitating	136	3	B - nonincapacitating injury

Michigan 1996 Index (continued)

Item	Var	CV	Variable Name or Code Value
nonincapacitating	159	3	Nonincapacitating injury
nonincapacitating	310	3	Nonincapacitating injury
nonparked	60	*	TOTAL NONPARKED UNITS
nontraffic	12	4	Nontraffic location (internally generate
nontraffic	22	19	Nontraffic area
nontraffic	52	*	FLAG: NONTRAFFIC CRASH
north	19	4	(N) North
north	113	2	North
north carolina	108	34	North Carolina
north carolina	151	34	North Carolina
north carolina	213	34	North Carolina
north dakota	108	35	North Dakota
north dakota	151	35	North Dakota
north dakota	213	35	North Dakota
northeast	19	5	(NE) Northeast
northeast	113	3	Northeast
northwest	19	6	(NW) Northwest
northwest	113	4	Northwest
northwest territories	108	58	Northwest Territories
northwest territories	151	58	Northwest Territories
northwest territories	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 license
oregon	108	38	Oregon
oregon	151	38	Oregon
oregon	213	38	Oregon
original	19	*	ORIG DIRECTION
orv	49	*	FLAG: ORV INVOLVED
osceola	10	67	Osceola
oscoda	10	68	Oscoda
otsego	10	69	Otsego
ottawa	10	70	Ottawa
outside	21	4	Outside of the shoulder/curb-line

Michigan 1996 Index (continued)

Item	Var	CV	Variable Name or Code Value
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	302	4	Left rear, in-line vehicle passenger #1
passing	112	17	Overtake/passing
passing	123	7	Improper passing
pbt	129	*	PBT TEST
pedalcycle	114	16	Pedalcycle
pedalcycle	115	16	Pedalcycle
pedalcycle	116	16	Pedalcycle
pedalcycle	117	16	Pedalcycle
pedalcycle	122	16	Pedalcycle
pedalcyclist	43	6	Car - pedestrian, pedalcyclist
pedestrian	43	6	Car - pedestrian, pedalcyclist
pedestrian	45	1	This crash involved a drinking driver/pe
pedestrian	50	*	FLAG: PEDESTRIAN
pedestrian	51	*	FLAG: PED REC PRESENT
pedestrian	112	19	Avoiding pedestrian
pedestrian	114	15	Pedestrian
pedestrian	115	15	Pedestrian
pedestrian	116	15	Pedestrian
pedestrian	117	15	Pedestrian
pedestrian	122	15	Pedestrian
pedestrian	133	1	1 occupant or pedestrian
pedestrian	146	52	(P) Pedestrian
pedestrian	302	52	(P) Pedestrian
pennsylvania	108	39	Pennsylvania
pennsylvania	151	39	Pennsylvania
pennsylvania	213	39	Pennsylvania
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

Michigan 1996 Index (continued)

Item	Var	CV	Variable Name or Code Value
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	*	PERSON 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
property	35	*	PUBLIC PROPERTY DAMAGED
property	44	*	FLAG: PROPERTY DAMAGE
pu	101	3	Pickup (PU)
public	35	*	PUBLIC PROPERTY DAMAGED
puerto rico	108	40	Puerto Rico
puerto rico	151	40	Puerto Rico
puerto rico	213	40	Puerto Rico
pursuing	40	*	FLAG: FLEEING /PURSUING
pursuit	105	3	Pursuit/emergency (in use)
push	112	30	Push/work on vehicle
quebec	108	62	Quebec
quebec	151	62	Quebec
quebec	213	62	Quebec
rail	22	16	Rail crossing related
rail	114	24	Bridge rail
rail	115	24	Bridge rail
rail	116	24	Bridge rail
rail	117	24	Bridge rail
rail	122	24	Bridge rail
railway	114	19	Railway train
railway	115	19	Railway train
railway	116	19	Railway train
railway	117	19	Railway train
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

Michigan 1996 Index (continued)

Item	Var	CV	Variable Name or Code Value
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
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, nonnumeric data
reason	112	33	Other reason in road
rec	144	*	TOTAL OCC RECS FOR TU
recreational	107	6	Recreational double
recreational	155	0	No recreational double (uncoded & errors
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	*	PERSON RESTRAINT
restriction	208	*	CDL RESTRICTION 28
restriction	209	*	CDL RESTRICTION 29
restriction	210	*	CDL RESTRICTION 30
restriction	211	*	CDL RESTRICTION 35
restriction	212	*	CDL RESTRICTION 36
rhode island	108	41	Rhode Island
rhode island	151	41	Rhode Island
rhode island	213	41	Rhode Island
right	32	7	Rear end right
right	112	3	Turning right
right	114	4	Ran off road right
right	115	4	Ran off road right
right	116	4	Ran off road right
right	117	4	Ran off road right
right	122	4	Ran off road right
right	146	3	Right front
right	302	3	Right front
road	13	9	County road, city street, or unknown
road	14	991	Major arterial local trafficway (not a s
road	21	1	On the road
road	22	*	AREA OF ROAD AT CRASH
road	23	*	ROAD CONDITIONS
road	29	1	On road
road	49	1	This crash involved an Off Road Vehicle
road	101	9	Off Road Vehicle-ORV/All Terrain Vehicle
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

Michigan 1996 Index (continued)

Item	Var	CV	Variable Name or Code Value
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
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. - 12:59 a.m. Saturday
scale	22	5	Scale/weigh station related
scene	33	*	CRASH INVESTGTD AT SCENE
school	38	*	FLAG: SCHOOL BUS INV/ASC
school	105	5	School/education
schoolcraft	10	75	Schoolcraft
seat	146	7	Left rear 3rd seat, in-line vehicle pass
seat	302	7	Left rear 3rd seat, in-line vehicle pass
section	12	*	CONTROL SECTION
section	15	*	HIGHWAY CONTROL SECTION
section	16	*	CONTROL SECTION MLPT
september	2	9	September
september	6	35	August 26 - September 1
service	13	8	Service drive
severe	30	6	Severe wind
sex	158	*	DRIVER SEX
sex	309	*	PERSON SEX
shiawassee	10	76	Shiawassee
shift	114	12	Cargo loss/shift
shift	115	12	Cargo loss/shift
shift	116	12	Cargo loss/shift
shift	117	12	Cargo loss/shift
shift	122	12	Cargo loss/shift
shoulder	21	3	On the shoulder
shoulder	147	2	Shoulder only used
shoulder	303	2	Shoulder only used
sideswipe	32	8	Sideswipe same direction
sign	26	2	Stop Sign
sign	114	28	Traffic sign post
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

Michigan 1996 Index (continued)

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

Michigan 1996 Index (continued)

Item	Var	CV	Variable Name or Code Value
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. - 12:59 a.m. Sunday
support	114	30	Luminaire support
support	115	30	Luminaire support
support	116	30	Luminaire support
support	117	30	Luminaire support
support	122	30	Luminaire support
tank	102	3	Commercial truck AN (Group A vehicle, Ta
tank	103	2	Cargo tank
tdc-umtri	1	*	TDC-UMTRI CASE NUMBER
tdc-umtri	145	*	TDC-UMTRI UNIT NUMBER
tennessee	108	44	Tennessee
tennessee	151	44	Tennessee
tennessee	213	44	Tennessee
terrain	101	9	Off Road Vehicle-ORV/All Terrain Vehicle
test	128	*	FIELD SOBRIETY TEST
test	129	*	PBT TEST
test	130	*	BREATHALYZER TEST
test	131	*	URINE TEST
test	132	*	BLOOD TEST
texas	108	45	Texas
texas	151	45	Texas
texas	213	45	Texas
thursday	8	5	Thursday
thursday	9	96	12:00 a.m. - 12:59 a.m. Thursday
time	5	*	TIME OF DAY
tire	106	4	Tires/wheels
took	32	*	HOW CRASH TOOK PLACE
towed	107	5	Towed auto
township	11	*	CITY OR TOWNSHIP
township	18	2	Invalid city/township
traffic	20	*	NUMBER OF TRAFFIC LANES
traffic	26	*	TRAFFIC CONTROL
traffic	43	*	TRAFFIC UNIT MIX
traffic	112	27	In road with traffic
traffic	114	28	Traffic sign post
traffic	115	28	Traffic sign post
traffic	116	28	Traffic sign post
traffic	117	28	Traffic sign post
traffic	122	28	Traffic sign post
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

Michigan 1996 Index (continued)

Item	Var	CV	Variable Name or Code Value
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	*	PERSON TRAPPED
travel	113	*	DIRECTION OF TRAVEL
tree	114	39	Tree
tree	115	39	Tree
tree	116	39	Tree
tree	117	39	Tree
tree	122	39	Tree
triple	102	5	Commercial truck AT (Group A vehicle, Do
truck	43	3	Car - truck
truck	46	*	FLAG: TRUCK OR BUS
truck	56	*	NUMBER TRUCK SUPPL FORMS
truck	101	4	Truck under 10,000 lbs. (ST)
truck	102	*	CDL TRUCK TYPE
truck	103	*	CDL TRUCK BODY STYLE
tuesday	8	3	Tuesday
tuesday	9	48	12:00 a.m. - 12:59 a.m. Tuesday
turn	123	9	Improper turn
tuscola	10	79	Tuscola
twenty-three	62	23	Twenty-three injured
type	27	*	CONSTRUCTION TYPE
type	101	*	VEHICLE TYPE
type	102	*	CDL TRUCK TYPE
type	152	*	LICENSE TYPE
type	153	*	LICENSE TYPE - CYCLE
type	154	*	LICENSE TYPE - FARM
type	200	*	CDL GROUP TYPE
type	217	*	HAZMAT: TYPE
type	221	*	TYPE & AXLES - 1ST UNIT
type	222	*	TYPE & AXLES - 2ND UNIT
type	223	*	TYPE & AXLES - 3RD UNIT
type	224	*	TYPE & AXLES - 4TH UNIT
u-turn	112	16	U-turn
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

Michigan 1996 Index (continued)

Item	Var	CV	Variable Name or Code Value
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
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. - 12:59 a.m. Wednesday
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 ACCIDENT
worst	109	*	WORST IMPACT POINT
worst	136	*	TU WORST INJURY
wrong	123	5	Wrong way
wyoming	108	52	Wyoming

Michigan 1996 Index (continued)

Item	Var	CV	Variable Name or Code Value
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

