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**AN IN-DEPTH STUDY OF  
TRUCK FIRE ACCIDENT DATA**

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**APPENDIX G**

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**Dictionary/Codebook  
for the Accident File**

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**James O'Day  
Robin Ruthazer  
Tom Gonzales**

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**UMTRI**

**The University of Michigan  
Transportation Research Institute**



Technical Report Documentation Page

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16. Abstract  <p>Truck fires which occurred in connection with fatal traffic accidents in the U.S. during 1982 are examined in detail. Additional information has been derived from a Fatal Accident Reporting System (FARS) file covering the period 1975-1982.</p> <p>Fires are associated with tractor-trailers involved in fatal accidents in more than 5% of the cases, compared with about 2.5% for passenger cars. Large straight trucks exhibit a fire incidence in fatal accidents on the order of 4%.</p> <p>About half of the truck fires involve burning of the truck fuel, which follows from rupture or leakage associated with severe crashes. In the long-term data a correlation is observed between the incidence of truck fires and factors relating to ambient temperature. Cause of fatal injury to truck occupants was attributed to the fire (smoke or burns) alone in 20 out of 214 burned vehicles. In another 53 cases, fire was reported as a contributing factor to an occupant fatality; in these latter cases it was generally not possible to determine from the available data whether the truck occupant would have died from traumatic injuries alone.</p>			
17. Key Words  Truck Fires, Accidents, Fatalities, Fuel Systems		18. Distribution Statement	
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STUDY OF TRUCK FIRES 1982  
FARS Accident Variables

<u>Variable Number</u>	<u>Variable Name</u>	<u>Field Width</u>	<u>Character Type</u>	<u>Mult Resp</u>	<u>Page Number</u>
1	CASE STATE	2	Numeric		1
2	CASE NUMBER	4	Numeric		2
3	TRANSACTION CODE	2	Numeric		2
4	FILLER	4	Numeric		2
5	CITY	4	Numeric		2
6	COUNTY	3	Numeric		3
7	ACCIDENT DATE - MONTH	2	Numeric		3
8	ACCIDENT DATE - DAY	2	Numeric		3
9	ACCIDENT DATE - YEAR	2	Numeric		3
10	ACCIDENT TIME - HOUR	2	Numeric		4
11	ACCIDENT TIME - MINUTE	2	Numeric		4
12	NO OF VEHICLE FORMS	2	Numeric		5
13	NO OF PERSON FORMS	2	Numeric		5
14	LAND USE	1	Numeric		5
15	ROADWAY FUNCTION CLASS	1	Numeric		5
16	FEDERAL AID SYSTEM	1	Numeric		6
17	CLASS TRAFFICWAY	1	Numeric		6
18	TRAFFICWAY IDENTIFIER	10	Alpha		6
19	MILEPOINT	5	Numeric		6
20	SPECIAL JURISDICTION	1	Numeric		6
21	FIRST HARMFUL EVENT	2	Numeric		7
22	MANNER OF COLLISION	1	Numeric		8
23	RELATION TO JUNCTION	1	Numeric		8
24	RELATION TO ROADWAY	1	Numeric		9
25	TRAFFICWAY FLOW	1	Numeric		9



STUDY OF TRUCK FIRES 1982  
FARS Accident Variables

<u>Variable Number</u>	<u>Variable Name</u>	<u>Field Width</u>	<u>Character Type</u>	<u>Mult Resp</u>	<u>Page Number</u>
26	NO OF TRAVEL LANES	1	Numeric		9
27	SPEED LIMIT	2	Numeric		10
28	ROADWAY ALIGNMENT	1	Numeric		10
29	ROADWAY PROFILE	1	Numeric		10
30	ROADWAY SURFACE TYPE	1	Numeric		11
31	ROADWAY SURFACE CONDITION	1	Numeric		11
32	TRAFFIC CONTROL DEVICE	2	Numeric		11
33	TRAFFIC CONT FUNCTIONING	1	Numeric		13
34	HIT AND RUN	1	Numeric		13
35	LIGHT CONDITION	1	Numeric		13
36	ATMOSPHERIC CONDITIONS	1	Numeric		13
37	CONSTRUCTION/MAINT ZONE	1	Numeric		14
43	ACCIDENT RELATED FACTORS	2	Numeric	3	14
45	NO OF FATALITIES IN ACC	2	Numeric		14
46	DAY OF WEEK	1	Numeric		15
47	NO OF DRINKING DRIVERS	1	Numeric		15





STUDY OF TRUCK FIRES 1982  
FARS Vehicle Variables

<u>Variable Number</u>	<u>Variable Name</u>	<u>Field Width</u>	<u>Character Type</u>	<u>Mult Resp</u>	<u>Page Number</u>
101	CASE STATE	2	Numeric		17
102	CASE NUMBER	4	Numeric		17
103	TRANSACTION CODE	2	Numeric		17
104	VEHICLE NUMBER	2	Numeric		17
105	FILLER	2	Numeric		17
106	VEHICLE MAKE	2	Numeric		18
107	VEHICLE MAKE-MODEL	4	Numeric		19
108	BODY TYPE	2	Numeric		20
109	MODEL YEAR	2	Numeric		21
110	VIN	10	Alpha		22
111	VIN - LETTER #1	1	Alpha		22
112	VIN - LETTER #2	1	Alpha		22
113	VIN - LETTER #3	1	Alpha		22
114	VIN - LETTER #4	1	Alpha		22
115	VIN - LETTER #5	1	Alpha		22
116	VIN - LETTER #6	1	Alpha		22
117	VIN - LETTER #7	1	Alpha		22
118	VIN - LETTER #8	1	Alpha		22
119	VIN - LETTER #9	1	Alpha		23
120	VIN - LETTER #10	1	Alpha		23
121	REGISTRATION STATE	2	Numeric		23
122	ROLLOVER	1	Numeric		24
123	JACKKNIFE	1	Numeric		24
124	TRAVEL SPEED	2	Numeric		25
125	HAZARDOUS CARGO	1	Numeric		25



STUDY OF TRUCK FIRES 1982  
FARS Vehicle Variables

<u>Variable Number</u>	<u>Variable Name</u>	<u>Field Width</u>	<u>Character Type</u>	<u>Mult Resp</u>	<u>Page Number</u>
126	VEHICLE TRAILERING	1	Numeric		25
129	IMPACT POINT - INITIAL	2	Numeric		26
130	IMPACT POINT - PRINCIPAL	2	Numeric		26
131	EXTENT OF DEFORMATION	1	Numeric		27
132	VEHICLE ROLE	1	Numeric		27
133	MANNER OF LEAVING SCENE	1	Numeric		27
134	FIRE OCCURRENCE	1	Numeric		27
135	NO OF OCCUPANTS	2	Numeric		28
136	NO OF DEATHS IN VEH	2	Numeric		28
137	VEHICLE RELATED FACTORS	2	Numeric	2	28
138	VEHICLE MANEUVER	2	Numeric		29
139	MOST HARMFUL EVENT	2	Numeric		29
145	VIN TRUCK FUEL CODE	1	Numeric		31
146	VIN TRUCK WEIGHT CODE	1	Numeric		31
147	VIN TRUCK SERIES	3	Alpha		31
149	LENGTH OF VIN	2	Numeric		31
150	NO OF UNINJURED IN VEH	2	Numeric		32
151	NO OF C-INJURED IN VEH	2	Numeric		32
152	NO OF B-INJURED IN VEH	2	Numeric		32
153	NO OF A-INJURED IN VEH	2	Numeric		32
154	NO OF K-INJURED IN VEH	2	Numeric		33
155	NO OF UNK INJURED IN VEH	2	Numeric		33
201	CASE STATE	2	Numeric		34
202	CASE NUMBER	4	Numeric		34
203	TRANSACTION CODE	2	Numeric		34



STUDY OF TRUCK FIRES 1982  
FARS Vehicle Variables

<u>Variable Number</u>	<u>Variable Name</u>	<u>Field Width</u>	<u>Character Type</u>	<u>Mult Resp</u>	<u>Page Number</u>
204	VEHICLE NUMBER	2	Numeric		34
205	FILLER	2	Numeric		34
206	DRIVER PRESENCE	1	Numeric		34
207	DRIVER DRINKING	1	Numeric		35
208	LICENSE STATE	2	Numeric		35
209	LICENSE CLASS COMPLIANCE	1	Numeric		36
210	LICENSE STATUS	1	Numeric		36
211	LICENSE RESTRICTIONS MET	1	Numeric		37
212	DRIVER TRAINING	1	Numeric		37
213	VIOLATIONS CHARGED	1	Numeric		37
214	NO OF PREV ACCIDENTS	2	Numeric		38
215	NO OF PREV SUSPENSIONS	2	Numeric		38
216	NO OF PREV DWI CONVICTNS	2	Numeric		38
217	NO OF PREV SPEEDING CONV	2	Numeric		38
218	NO OF PREV OTHER MV CONV	2	Numeric		39
219	LAST ACC/SUSPNSN - MONTH	2	Numeric		39
220	LAST ACC/SUSPNSN - YEAR	2	Numeric		40
221	1ST ACC/SUSPNSN - MONTH	2	Numeric		40
222	1ST ACC/SUSPNSN - YEAR	2	Numeric		40
223	DRIVER RELATED FACTORS	2	Numeric	3	41



STUDY OF TRUCK FIRES 1982  
FARS Person Variables

<u>Variable Number</u>	<u>Variable Name</u>	<u>Field Width</u>	<u>Character Type</u>	<u>Mult Resp</u>	<u>Page Number</u>
301	CASE STATE	2	Numeric		45
302	CASE NUMBER	4	Numeric		45
303	TRANSACTION CODE	2	Numeric		45
304	VEHICLE NUMBER	2	Numeric		45
305	PERSON NUMBER	2	Numeric		45
306	STRIKING VEHICLE NO	2	Numeric		45
307	PERSON AGE	2	Numeric		46
308	PERSON SEX	1	Numeric		46
309	PERSON TYPE	1	Numeric		46
310	SEATING POSITION	2	Numeric		47
311	MANUAL RESTRAINT SYS	1	Numeric		47
312	AUTOMATIC RESTRAINT SYS	1	Numeric		48
313	NON-MOTORIST LOCATION	2	Numeric		48
314	EJECTION	1	Numeric		49
315	EXTRICATION	1	Numeric		49
316	ALCOHOL INVOLVEMENT	1	Numeric		49
317	ALCOHOL TEST RESULT	2	Numeric		49
318	INJURY SEVERITY	1	Numeric		50
319	TAKEN TO HOSPITAL	1	Numeric		50
320	DEATH DATE - MONTH	2	Numeric		50
321	DEATH DATE - DAY	2	Numeric		51
322	DEATH DATE - YEAR	2	Numeric		51
323	DEATH TIME - HOURS	2	Numeric		51
324	DEATH TIME - MINUTES	2	Numeric		52
325	LAG TIME ACC/DEATH - HRS	3	Numeric		52





STUDY OF TRUCK FIRES 1982  
FARS Person Variables

<u>Variable Number</u>	<u>Variable Name</u>	<u>Field Width</u>	<u>Character Type</u>	<u>Mult Resp</u>	<u>Page Number</u>
326	LAG TIME ACC/DEATH - MIN	2	Numeric		52
327	PERSON RELATED FACTORS	2	Numeric	3	52
799	FILLER	3	Numeric		55



STUDY OF TRUCK FIRES 1982  
Fire Supplement Variables

<u>Variable Number</u>	<u>Variable Name</u>	<u>Field Width</u>	<u>Character Type</u>	<u>Mult Resp</u>	<u>Page Number</u>
800	BMCS ID NUMBER	5	Numeric		57
803	VIN	10	Alpha		57
804	FUEL TYPE	1	Numeric		57
805	ENGINE MAKE	1	Numeric		57
806	ENGINE MODEL	10	Alpha		58
807	VEHICLE MAKE	2	Numeric		58
808	VEHICLE MODEL	10	Alpha		58
809	MODEL YEAR	2	Numeric		58
810	CAB STYLE	1	Numeric		59
811	POWER UNIT BODY STYLE	1	Numeric		59
812	POWER UNIT - AXLES	1	Numeric		59
813	TYPE OF FIRST TRAILER	1	Numeric		60
814	1ST TRAILER - AXLES	1	Numeric		60
815	1ST TRAILER BODY TYPE	2	Numeric		60
816	TYPE OF SECOND TRAILER	1	Numeric		61
817	2ND TRAILER - AXLES	1	Numeric		61
818	2ND TRAILER BODY TYPE	2	Numeric		61
819	VEH. COMBINATION CODE	2	Numeric		62
820	TOTAL WEIGHT	6	Numeric		62
821	1ST CARGO WEIGHT	6	Numeric		62
822	2ND CARGO WEIGHT	6	Numeric		63
823	TOTAL CARGO WEIGHT	6	Numeric		63
824	EMPTY COMBINATION WT.	6	Numeric		63
825	POWER UNIT WEIGHT	6	Numeric		63
826	1ST TRAILER WEIGHT	6	Numeric		64



STUDY OF TRUCK FIRES 1982  
Fire Supplement Variables

<u>Variable Number</u>	<u>Variable Name</u>	<u>Field Width</u>	<u>Character Type</u>	<u>Mult Resp</u>	<u>Page Number</u>
827	2ND TRAILER WEIGHT	6	Numeric		64
828	TOTAL VEHICLE LENGTH	3	Numeric		64
829	POWER UNIT LENGTH	3	Numeric		64
830	1ST TRAILER LENGTH	3	Numeric		65
831	2ND TRAILER LENGTH	3	Numeric		65
832	TRUCK WIDTH	3	Numeric		65
833	FUEL TANK CONFIGURATION	1	Numeric		65
834	RIGHT FUEL TANK SIZE	3	Numeric		66
835	LEFT FUEL TANK SIZE	3	Numeric		66
836	AUX-L. FUEL TANK SIZE	3	Numeric		66
837	AUX-R. FUEL TANK SIZE	3	Numeric		66
838	FUEL ON BOARD	3	Numeric		67
839	CARGO TYPE	2	Numeric		67
840	HAZARDOUS CARGO	1	Numeric		67
841	CARGO SPILLAGE	1	Numeric		68
842	TYPE OF CARRIER	1	Numeric		68
843	TYPE OF TRIP	1	Numeric		68
844	TEMP:HI OF DAY	3	Numeric		68
845	TEMP:LO OF DAY	3	Numeric		69
846	TEMP AT TIME OF ACCID.	3	Numeric		69
849	RAMP STATUS	1	Numeric		69
850	INITIAL IMPACT POINT	2	Numeric		69
851	PRINCIPAL IMPACT POINT	2	Numeric		70
852	ROLLOVER-CAUSE	1	Numeric		70
853	ROLLOVER-DIRECTION	1	Numeric		71



STUDY OF TRUCK FIRES 1982  
Fire Supplement Variables

<u>Variable Number</u>	<u>Variable Name</u>	<u>Field Width</u>	<u>Character Type</u>	<u>Mult Resp</u>	<u>Page Number</u>
854	ROLLOVER-AMOUNT	1	Numeric		71
855	JACKKNIFE	1	Numeric		71
856	ESTIMATED TRAVEL SPEED	2	Numeric		72
857	1ST HARMFUL EVENT	2	Numeric		72
858	1ST OTHER VEH. CONFIG	2	Numeric		73
859	2ND HARMFUL EVENT	2	Numeric		73
860	2ND OTHER VEH. CONFIG	2	Numeric		74
861	3RD HARMFUL EVENT	2	Numeric		75
862	3RD OTHER VEH. CONFIG	2	Numeric		76
863	4TH HARMFUL EVENT	2	Numeric		77
864	4TH OTHER VEH. CONFIG	2	Numeric		78
865	5TH HARMFUL EVENT	2	Numeric		78
866	5TH OTHER VEH. CONFIG	2	Numeric		79
867	MOST HARMFUL EVENT	1	Numeric		80
868	MECHANICAL DEFECTS	2	Numeric		80
869	SEATBELT USAGE-DRIVER	1	Numeric		80
870	SEATBELT USAGE-PASNGRS	1	Numeric		81
871	EXPLOSION	1	Numeric		81
873	SLOW/STOPPED/PARKED/VEH	1	Numeric		81
874	FUEL SYST FAIL:RUPTURE	2	Numeric		82
875	FUEL SYST FAIL:LEAK	2	Numeric		82
876	FUEL SYST FAIL:CAUSE	1	Numeric		83
877	FUEL SPILLAGE: IMPACT	1	Numeric		83
878	FUEL SPILLAGE: REST	1	Numeric		83
879	IGNITION SOURCE	1	Numeric		83





STUDY OF TRUCK FIRES 1982  
Fire Supplement Variables

<u>Variable Number</u>	<u>Variable Name</u>	<u>Field Width</u>	<u>Character Type</u>	<u>Mult Resp</u>	<u>Page Number</u>
880	1st MATERIAL BURNED	1	Numeric		84
881	ENTRAPMENT	1	Numeric		84
882	EJECTION	1	Numeric		84
883	NO. OCCUPANTS IN VEH.	1	Numeric		85
884	NO. UNINJURED IN VEH.	1	Numeric		85
885	NO. INJURED IN VEHICLE	1	Numeric		85
886	DRIVER INJURY	1	Numeric		86
887	NO. PASSENGERS KILLED	1	Numeric		86
888	NO. PASSENGERS INJURED	1	Numeric		86
889	NO. UNINJ. IN OTH. VEH.	1	Numeric		86
890	A-INJ. IN OTHER VEH.	1	Numeric		87
891	B-INJ. IN OTHER VEH.	1	Numeric		87
892	C-INJ. IN OTHER VEH.	1	Numeric		88
893	UNKNOWN INJ. TYPE-OTHER	1	Numeric		88
894	K-INJURED OTHER VEH.	1	Numeric		88
895	TOTAL ACCIDENT FATALS	1	Numeric		89
896	TOTAL ACCIDENT INJURIES	1	Numeric		89
897	YEARS DRIVER EMPLOYED	2	Numeric		89
898	DRIVER AGE	2	Numeric		90
899	HOURS DRIVING	2	Numeric		90
902	NO. K DUE TO F - SAMP	1	Numeric		90
903	NO. K DUE TO F+T - SAMP	1	Numeric		90
904	NO. K DUE TO F+E - SAMP	1	Numeric		91
905	NO. K DUE TO T - SAMP	1	Numeric		91
906	NO. K DUE TO T+E - SAMP	1	Numeric		91



STUDY OF TRUCK FIRES 1982  
Fire Supplement Variables

<u>Variable Number</u>	<u>Variable Name</u>	<u>Field Width</u>	<u>Character Type</u>	<u>Mult Resp</u>	<u>Page Number</u>
907	NO. K DUE TO F- OTH	1	Numeric		92
908	NO. K DUE TO F+T - OTH	1	Numeric		92
909	NO. K DUE TO F+E - OTH	1	Numeric		92
910	NO. K DUE TO T - OTH	1	Numeric		93
911	NO. K DUE TO T+E - OTH	1	Numeric		93
912	FIRE INJURED-SAMP. VEH.	1	Numeric		93
913	FIRE INJ-NOT SAMP. VEH.	1	Numeric		94
915	MANNER OF COLLISION/1ST	1	Numeric		94
916	MANNER OF COLLISION/2ND	1	Numeric		94
917	MANNER OF COLLISION/3RD	1	Numeric		95
918	MANNER OF COLLISION/4TH	1	Numeric		95
919	MANNER OF COLLISION/5TH	1	Numeric		96
920	QUESTION 53	1	Numeric		96
921	QUESTION 54	1	Numeric		96
922	QUESTION 55	1	Numeric		97
923	QUESTION 56	1	Numeric		97
924	QUESTION 57	1	Numeric		97
925	SAMPLE VEH. ACTION	2	Numeric		98
926	VEH. #2 ACTION	2	Numeric		98
927	VEH. #3 ACTION	2	Numeric		99
928	MONTH	2	Numeric		99
929	DAY OF MONTH	2	Numeric		100



STUDY OF TRUCK FIRES 1982  
FARS Accident Variables

FARS Accident Variables

Variables 1 through 47 are taken from the 1982 FARS data set and describe the accident in which the case vehicle was involved.

Variable 1 CASE STATE MD1: None Field Width: 2  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	CASE STATE
3	3	0	01. Alabama
0	0	0	02. Alaska
5	4	1	04. Arizona
4	3	1	05. Arkansas
17	15	2	06. California
4	4	0	08. Colorado
2	2	0	09. Connecticut
1	0	1	10. Delaware
0	0	0	11. District of Columbia
7	4	3	12. Florida
10	6	4	13. Georgia
0	0	0	15. Hawaii
0	0	0	16. Idaho
10	6	4	17. Illinois
9	8	1	18. Indiana
4	1	3	19. Iowa
5	4	1	20. Kansas
6	5	1	21. Kentucky
3	3	0	22. Louisiana
2	2	0	23. Maine
3	2	1	24. Maryland
2	2	0	25. Massachusetts
6	5	1	26. Michigan
2	0	2	27. Minnesota
5	5	0	28. Mississippi
11	8	3	29. Missouri
1	1	0	30. Montana
2	2	0	31. Nebraska
0	0	0	32. Nevada
0	0	0	33. New Hampshire
2	1	1	34. New Jersey
2	1	1	35. New Mexico
6	5	1	36. New York
5	5	0	37. North Carolina
2	1	1	38. North Dakota
8	6	2	39. Ohio
15	11	4	40. Oklahoma
1	1	0	41. Oregon

STUDY OF TRUCK FIRES 1982  
FARS Accident Variables

ALL	DIESEL	NON-DSL	Var 1	CASE STATE
0	0	0	42.	Pennsylvania
0	0	0	43.	Puerto Rico
0	0	0	44.	Rhode Island
2	2	0	45.	South Carolina
0	0	0	46.	South Dakota
6	3	3	47.	Tennessee
32	22	10	48.	Texas
1	1	0	49.	Utah
0	0	0	50.	Vermont
1	1	0	51.	Virginia
1	1	0	53.	Washington
1	1	0	54.	West Virginia
2	2	0	55.	Wisconsin
3	2	1	56.	Wyoming

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Variable 2 CASE NUMBER MD1: None Field Width: 4  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	CASE NUMBER ASSIGNED WITHIN STATES
0	0	0	0001.
			- . Case number
0	0	0	9999.

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Variable 3 TRANSACTION CODE MD1: None Field Width: 2  
MD2: None Type: Numeric

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Variable 4 FILLER MD1: None Field Width: 4  
MD2: None Type: Numeric

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Variable 5 CITY MD1: 9999 Field Width: 4  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	CITY -GSA GEOGRAPHIC LOCATION CODE
169	131	38	0000. Not applicable
0	0	0	0001.
			- . GSA code
0	0	0	9996.
2	1	1	9997. Other
0	0	0	9999. Unknown

STUDY OF TRUCK FIRES 1982  
FARS Accident Variables

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Variable 6 COUNTY MD1: 999 Field Width: 3  
MD2: None Type: Numeric

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ALL	DIESEL	NON-DSL	COUNTY -GSA GEOGRAPHIC LOCATION CODE
2	2	0	001. - . GSA code
0	0	0	996.
0	0	0	997. Other
0	0	0	999. Unknown

---

Variable 7 ACCIDENT DATE - MONTH MD1: 99 Field Width: 2  
MD2: None Type: Numeric

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ALL	DIESEL	NON-DSL	ACCIDENT DATE - MONTH
14	12	2	01. January
11	9	2	02. February
20	15	5	03. March
20	18	2	04. April
16	15	1	05. May
25	19	6	06. June
20	12	8	07. July
18	11	7	08. August
18	16	2	09. September
19	12	7	10. October
18	11	7	11. November
15	11	4	12. December

---

Variable 8 ACCIDENT DATE - DAY MD1: 99 Field Width: 2  
MD2: None Type: Numeric

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ALL	DIESEL	NON-DSL	ACCIDENT DATE - DAY
6	4	2	01. - . Day of month
4	3	1	31.

---

Variable 9 ACCIDENT DATE - YEAR MD1: 99 Field Width: 2  
MD2: None Type: Numeric

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ALL	DIESEL	NON-DSL	ACCIDENT DATE - YEAR
214	161	53	82. 1982
0	0	0	99. Unknown

STUDY OF TRUCK FIRES 1982  
FARS Accident Variables

Variable 10 ACCIDENT TIME - HOUR MD1: 99 Field Width: 2  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	ACCIDENT TIME - HOUR
10	10	0	00. 12:01 am - 12:59 am
6	5	1	01. 1:00 am - 1:59 am
6	6	0	02. 2:00 am - 2:59 am
7	7	0	03. 3:00 am - 3:59 am
8	5	3	04. 4:00 am - 4:59 am
8	8	0	05. 5:00 am - 5:59 am
14	11	3	06. 6:00 am - 6:59 am
7	6	1	07. 7:00 am - 7:59 am
9	6	3	08. 8:00 am - 8:59 am
11	7	4	09. 9:00 am - 9:59 am
11	8	3	10. 10:00 am - 10:59 am
6	5	1	11. 11:00 am - 11:59 am
13	11	2	12. 12:00 pm - 12:59 pm
14	10	4	13. 1:00 pm - 1:59 pm
8	6	2	14. 2:00 pm - 2:59 pm
16	7	9	15. 3:00 pm - 3:59 pm
16	8	8	16. 4:00 pm - 4:59 pm
5	4	1	17. 5:00 pm - 5:59 pm
10	6	4	18. 6:00 pm - 6:59 pm
3	3	0	19. 7:00 pm - 7:59 pm
3	1	2	20. 8:00 pm - 8:59 pm
9	9	0	21. 9:00 pm - 9:59 pm
8	7	1	22. 10:00 pm - 10:59 pm
6	5	1	23. 11:00 pm - 11:59 pm
0	0	0	24. 12:00 midnight
0	0	0	99. Unknown

Variable 11 ACCIDENT TIME - MINUTE MD1: 99 Field Width: 2  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	ACCIDENT TIME - MINUTE
20	17	3	00. - . Minute
0	0	0	59.
0	0	0	99. Unknown



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Variable	12	<u>NO OF VEHICLE FORMS</u>	MD1: None	Field Width: 2
			MD2: None	Type: Numeric

---

ALL	DIESEL	NON-DSL	NO OF VEHICLE FORMS SUBMITTED
0	0	0	00. Hit and run - information not available
63	49	14	01. - . Number submitted
0	0	0	99.

---

Variable	13	<u>NO OF PERSON FORMS</u>	MD1: None	Field Width: 2
			MD2: None	Type: Numeric

---

ALL	DIESEL	NON-DSL	NO OF PERSON FORMS SUBMITTED
46	37	9	01. - . Number submitted
0	0	0	99.

---

Variable	14	<u>LAND USE</u>	MD1: 9	Field Width: 1
			MD2: None	Type: Numeric

---

ALL	DIESEL	NON-DSL	LAND USE - FHWA CLASSIFICATION
46	33	13	1. Urban area
166	126	40	2. Rural area
2	2	0	9. Unknown

---

Variable	15	<u>ROADWAY FUNCTION CLASS</u>	MD1: 9	Field Width: 1
			MD2: None	Type: Numeric

---

ALL	DIESEL	NON-DSL	ROADWAY FUNCTION CLASS
59	52	7	1. Principal arterial - interstate
4	3	1	2. Principal arterial - other urban freeway or expressway
65	49	16	3. Principal arterial - other
45	26	19	4. Minor arterial
2	2	0	5. Urban collector
31	22	9	6. Major rural collector
3	2	1	7. Minor rural collector
3	3	0	8. Local road or street
2	2	0	9. Unknown

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---

Variable 16 FEDERAL AID SYSTEM MD1: 9 Field Width: 1  
MD2: None Type: Numeric

---

ALL	DIESEL	NON-DSL	TA-1 CLASS - FHWA CLASSIFICATION
59	52	7	1. Interstate
108	78	30	2. Other Federal Aid primary
30	21	9	3. Federal Aid secondary
6	1	5	4. Federal Aid urban arterial
2	2	0	5. Federal Aid urban collector
2	1	1	6. Non-Federal Aid arterial
4	3	1	7. Non-Federal Aid collector
3	3	0	8. Non-Federal Aid local
0	0	0	9. Unknown

---

Variable 17 CLASS TRAFFICWAY MD1: 9 Field Width: 1  
MD2: None Type: Numeric

---

ALL	DIESEL	NON-DSL	CLASS TRAFFICWAY
59	52	7	1. Interstate
61	45	16	2. Other U.S. route
71	53	18	3. Other state route
13	5	8	4. County road
9	5	4	5. Local street
1	1	0	8. Other
0	0	0	9. Unknown

---

Variable 18 TRAFFICWAY IDENTIFIER MD1: None Field Width: 10  
MD2: None Type: Alphabetic

---



---

Variable 19 MILEPOINT MD1: 99999 Field Width: 5  
MD2: None Type: Numeric

---



---

Variable 20 SPECIAL JURISDICTION MD1: 9 Field Width: 1  
MD2: None Type: Numeric

---

ALL	DIESEL	NON-DSL	SPECIAL JURISDICTION
213	160	53	0. No special jurisdiction
0	0	0	1. National Park Service
0	0	0	2. Military
0	0	0	3. Indian reservation
0	0	0	4. College/university campus
1	1	0	5. Other federal properties

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ALL	DIESEL	NON-DSL	Var 20	SPECIAL JURISDICTION
0	0	0	8.	Other
0	0	0	9.	Unknown

---

Variable	21	FIRST HARMFUL EVENT	MD1:	99	Field Width:	2
			MD2:	None	Type:	Numeric

---

ALL	DIESEL	NON-DSL	FIRST EVENT CAUSING INJURY OR PROPERTY DAM
-----	--------	---------	--

Non-Collision Event

17	13	4	01. Overturn
2	0	2	02. Fire/explosion
0	0	0	03. Immersion
0	0	0	04. Gas inhalation
0	0	0	05. Fell from vehicle
0	0	0	06. Injured in vehicle
0	0	0	07. Other non-collision

Collision With Object Not Fixed

2	1	1	08. Pedestrian
0	0	0	09. Pedalcycle
5	3	2	10. Railway train
3	3	0	11. Animal
138	103	35	12. Motor vehicle in transport
4	3	1	13. Motor vehicle in transport in other roadway
3	3	0	14. Parked motor vehicle
0	0	0	15. Other type non-motorist
0	0	0	16. Thrown or falling object
0	0	0	17. Boulder
1	0	1	18. Other object (not fixed)

Collision With Fixed Object

0	0	0	19. Building
0	0	0	20. Impact attenuator
2	2	0	21. Bridge pier or abutment
0	0	0	22. Bridge parapet end
4	4	0	23. Bridge rail
12	11	1	24. Guardrail
1	1	0	25. Concrete traffic barrier
1	1	0	26. Other longitudinal barrier type
0	0	0	27. Highway/traffic sign post
0	0	0	28. Overhead sign support
0	0	0	29. Light support
2	1	1	30. Utility pole
2	1	1	31. Other post, pole or supports
1	0	1	32. Culvert

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ALL	DIESEL	NON-DSL	Var 21	FIRST HARMFUL EVENT
1	0	1	33.	Curb
1	1	0	34.	Ditch
2	2	0	35.	Embankment - earth
3	3	0	36.	Embankment - rock, stone or concrete
1	0	1	37.	Embankment - material type unknown
2	2	0	38.	Fence
1	1	0	39.	Wall
0	0	0	40.	Fire hydrant
0	0	0	41.	Shrubbery
3	2	1	42.	Tree
0	0	0	43.	Other fixed object
0	0	0	44.	Pavement surface irregularity (pothole, grooved, grates)
0	0	0	99.	Unknown

---

Variable 22 MANNER OF COLLISION MD1: 9 Field Width: 1  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	MANNER OF COLLISION
72	55	17	0. Not a collision with a vehicle in transport
37	31	6	1. Rear-end
49	37	12	2. Head-on
0	0	0	3. Rear-to-rear
39	25	14	4. Angle
11	7	4	5. Sideswipe - same direction
6	6	0	6. Sideswipe - opposite direction
0	0	0	9. Unknown

---

Variable 23 RELATION TO JUNCTION MD1: 9 Field Width: 1  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	RELATION TO JUNCTION
165	128	37	1. Non-junction
31	21	10	2. Intersection
3	2	1	3. Intersection related
5	4	1	4. Interchange area
1	1	0	5. Driveway, alley, access, etc.
1	0	1	6. Entrance/exit ramp
5	3	2	7. Rail grade crossing
3	2	1	8. In crossover
0	0	0	9. Unknown

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Variable 24 RELATION TO ROADWAY MD1: 9 Field Width: 1  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	RELATION TO ROADWAY
155	115	40	1. On roadway
10	8	2	2. Shoulder
11	9	2	3. Median
34	27	7	4. Roadside
2	1	1	5. Outside right-of-way
2	1	1	6. Off roadway - location unknown
0	0	0	7. In parking lane
0	0	0	8. Gore
0	0	0	9. Unknown

Variable 25 TRAFFICWAY FLOW MD1: 9 Field Width: 1  
MD2: None Type: Numeric

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

ALL	DIESEL	NON-DSL	TRAFFICWAY FLOW
126	87	39	1. Not physically divided (two way trafficway)
67	54	13	2. Divided highway, median strip (without traffic barrier)
18	18	0	3. Divided highway, median strip (with traffic barrier)
3	2	1	4. One way trafficway
0	0	0	9. Unknown

Variable 26 NO OF TRAVEL LANES MD1: 9 Field Width: 1  
MD2: None Type: Numeric

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

ALL	DIESEL	NON-DSL	NO OF TRAVEL LANES
2	1	1	1. 1 lane
184	140	44	2. 2 lanes
14	11	3	3. 3 lanes
12	8	4	4. 4 lanes

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ALL	DIESEL	NON-DSL	Var 26 NO OF TRAVEL LANES
1	1	0	5. 5 lanes
1	0	1	6. 6 lanes
0	0	0	7. 7 or more lanes
0	0	0	9. Unknown

---

Variable	27	SPEED LIMIT	MD1: 99	Field Width: 2
			MD2: None	Type: Numeric

---

ALL	DIESEL	NON-DSL	SPEED LIMIT
0	0	0	00. No statutory limit
0	0	0	05. 5 mph
0	0	0	10. 10 mph
0	0	0	15. 15 mph
0	0	0	20. 20 mph
5	3	2	25. 25 mph
2	2	0	30. 30 mph
8	5	3	35. 35 mph
2	1	1	40. 40 mph
11	7	4	45. 45 mph
15	7	8	50. 50 mph
168	135	33	55. 55 mph
0	0	0	65. 65 mph
3	1	2	99. Unknown

---

Variable	28	ROADWAY ALIGNMENT	MD1: 9	Field Width: 1
			MD2: None	Type: Numeric

---

ALL	DIESEL	NON-DSL	ROADWAY ALIGNMENT
155	113	42	1. Straight
59	48	11	2. Curve
0	0	0	9. Unknown

---

Variable	29	ROADWAY PROFILE	MD1: 9	Field Width: 1
			MD2: None	Type: Numeric

---

ALL	DIESEL	NON-DSL	ROADWAY PROFILE
145	104	41	1. Level
62	51	11	2. Grade
4	4	0	3. Hillcrest
1	1	0	4. Sag
2	1	1	9. Unknown

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Variable 30 ROADWAY SURFACE TYPE MD1: 9 Field Width: 1  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	ROADWAY SURFACE TYPE
46	37	9	1. Concrete
160	120	40	2. Blacktop or bituminous
1	1	0	3. Brick or block
2	1	1	4. Slag, gravel or stone
1	0	1	5. Dirt
0	0	0	8. Other
4	2	2	9. Unknown

Variable 31 ROADWAY SURFACE CONDITION MD1: 9 Field Width: 1  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	ROADWAY SURFACE CONDITION
180	137	43	1. Dry
27	19	8	2. Wet
2	1	1	3. Snow or slush
4	4	0	4. Ice
0	0	0	5. Sand, dirt, oil
1	0	1	8. Other
0	0	0	9. Unknown

Variable 32 TRAFFIC CONTROL DEVICE MD1: 99 Field Width: 2  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	TRAFFIC CONTROL DEVICE
164	128	36	00. No controls
***Not At Railroad Grade Crossing***			
Highway traffic signals			
3	2	1	01. Traffic control signal (on colors) w/o ped. signal
0	0	0	02. Traffic control (on colors) with ped. signal
5	2	3	03. Traffic control signal (on colors) unk. if ped. signal
3	2	1	04. Flashing traffic control signal
0	0	0	05. Flashing beacon
1	1	0	06. Flashing highway traffic signal, type unk. or other than traffic control or beacon
0	0	0	07. Lane use control signal
0	0	0	08. Other highway traffic signal

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ALL	DIESEL	NON-DSL	Var 32	TRAFFIC CONTROL DEVICE
0	0	0		09. Unknown highway traffic signal
				Regulatory signs
14	9	5		20. Stop sign
2	1	1		21. Yield sign
3	3	0		28. Other regulatory sign
0	0	0		29. Unknown type regulatory sign
				School zone signs
0	0	0		30. School speed limit sign
0	0	0		31. School advance or crossing sign
0	0	0		38. Other school related sign
0	0	0		39. Unknown type school zone sign
				Warning signs
11	10	1		40. Warning sign
				Miscellaneous
0	0	0		50. Officer, crossing guard, flagman, etc.
				***At Railroad Grade Crossing***
				Active devices
0	0	0		60. Gates
3	2	1		61. Flashing lights
0	0	0		62. Traffic control signal
0	0	0		63. Wigwags
0	0	0		64. Bells
0	0	0		68. Other train activated device
0	0	0		69. Active device, type unknown
				Passive devices
2	1	1		70. Cross bucks
0	0	0		71. Stop sign
0	0	0		72. Other railroad crossing sign
0	0	0		73. Special warning device - watchman, flagged by crew
0	0	0		78. Other passive device
0	0	0		79. Passive device, type unknown
				Miscellaneous devices
0	0	0		80. Grade crossing controlled, type unknown
				***Whether Or Not At Railroad Grade Crossi
3	0	3		98. Other
0	0	0		99. Unknown



STUDY OF TRUCK FIRES 1982  
FARS Accident Variables

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Variable 33 TRAFFIC CONT FUNCTIONING MD1: 9 Field Width: 1  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	TRAFFIC CONTROL FUNCTIONING
172	134	38	0. No controls
0	0	0	1. Device not functioning
0	0	0	2. Device functioning - functioning improperly
41	26	15	3. Device functioning properly
1	1	0	9. Unknown

---

Variable 34 HIT AND RUN MD1: 9 Field Width: 1  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	HIT AND RUN
214	161	53	0. Not applicable / no hit and run
0	0	0	1. Hit motor vehicle in transport
0	0	0	2. Hit pedestrian or non-motorist
0	0	0	3. Hit parked vehicle or object

---

Variable 35 LIGHT CONDITION MD1: 9 Field Width: 1  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	LIGHT CONDITION
125	85	40	1. Daylight
68	59	9	2. Dark
10	9	1	3. Dark but lighted
7	5	2	4. Dawn
3	2	1	5. Dusk
1	1	0	9. Unknown

---

Variable 36 ATMOSPHERIC CONDITIONS MD1: 9 Field Width: 1  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	ATMOSPHERIC CONDITIONS
186	140	46	1. No adverse atmospheric conditions
17	12	5	2. Rain
0	0	0	3. Sleet
2	2	0	4. Snow
9	7	2	5. Fog
0	0	0	6. Rain and fog
0	0	0	7. Sleet and fog
0	0	0	8. Other (smog, smoke, blowing sand, or dust)

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ALL DIESEL NON-DSL Var 36 ATMOSPHERIC CONDITIONS

0 0 0 9. Unknown

---

Variable 37 CONSTRUCTION/MAINT ZONE MD1: 9 Field Width: 1  
MD2: None Type: Numeric

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

ALL DIESEL NON-DSL CONSTRUCTION OR MAINTENANCE ZONE

203 155 48 0. None  
8 4 4 1. Construction  
3 2 1 2. Maintenance  
0 0 0 3. Utility  
0 0 0 4. Work zone, type unknown

---

Variable 43 ACCIDENT RELATED FACTORS MD1: 99 Field Width: 2  
MD2: None Type: Numeric  
Multiple Responses: 3

ALL DIESEL NON-DSL RELATED FACTORS AT ACCIDENT LEVEL

642 483 159 00. None  
0 0 0 01. Inadequate warning of exits, lanes  
narrowing, traffic controls, etc.  
0 0 0 02. Shoulder related  
0 0 0 03. Other construction created condition  
0 0 0 04. No (or obscured) pavement marking  
0 0 0 05. Surface underwater  
0 0 0 06. Inadequate construction or poor  
design of roadway, bridge, etc.  
0 0 0 07. Surface washed out (caved in, road  
slippage)  
0 0 0 99. Unknown

---

Variable 45 NO OF FATALITIES IN ACC MD1: 99 Field Width: 2  
MD2: None Type: Numeric

ALL DIESEL NON-DSL NO OF FATALITIES IN ACC

149 109 40 01. 1 killed  
45 35 10 02. 2 killed  
10 8 2 03. 3 killed

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ALL	DIESEL	NON-DSL	Var 45	NO OF FATALITIES IN ACC
5	5	0	04.	4 killed
2	2	0	05.	5 killed
3	2	1	07.	7 killed

---

Variable 46 DAY OF WEEK MD1: 9 Field Width: 1  
 MD2: None Type: Numeric

---

ALL	DIESEL	NON-DSL	DAY OF WEEK
10	8	2	1. Sunday
40	28	12	2. Monday
38	27	11	3. Tuesday
28	23	5	4. Wednesday
41	31	10	5. Thursday
32	22	10	6. Friday
25	22	3	7. Saturday

---

Variable 47 NO OF DRINKING DRIVERS MD1: 9 Field Width: 1  
 MD2: None Type: Numeric

---

ALL	DIESEL	NON-DSL	NO OF DRINKING DRIVERS
193	145	48	0. 0 drivers
20	15	5	1. 1 drivers
1	1	0	2. 2 drivers

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FARS Accident Variables

FARS Vehicle Variables

Variables 101 through 155 are taken from the 1982 FARS data set and describe the vehicle; variables 201 through 223 describe the driver of the vehicle.

Variable 101 CASE STATE MD1: None Field Width: 2  
 MD2: None Type: Numeric

Variable 102 CASE NUMBER MD1: None Field Width: 4  
 MD2: None Type: Numeric

Variable 103 TRANSACTION CODE MD1: None Field Width: 2  
 MD2: None Type: Numeric

Variable 104 VEHICLE NUMBER MD1: 00 Field Width: 2  
 MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	VEHICLE NUMBER
0	0	0	00. Dummy vehicle record (non-motorist)
127	92	35	01. Veh. #1
72	57	15	02. Veh. #2
11	8	3	03. Veh. #3
2	2	0	04. Veh. #4
1	1	0	05. Veh. #5
			- .
0	0	0	99. Veh. #99

Variable 105 FILLER MD1: None Field Width: 2  
 MD2: None Type: Numeric

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FARS Vehicle Variables

Variable	106	VEHICLE MAKE	MD1:	99	Field Width:	2
			MD2:	None	Type:	Numeric
ALL	DIESEL	NON-DSL	VEHICLE MAKE			
0	0	0	01. American			
0	0	0	02. Jeep			
0	0	0	03. AM General			
0	0	0	06. Chrysler			
2	0	2	07. Dodge			
0	0	0	08. Imperial			
0	0	0	09. Plymouth			
22	8	14	12. Ford			
0	0	0	13. Lincoln			
0	0	0	14. Mercury			
0	0	0	18. Buick			
0	0	0	19. Cadillac			
21	3	18	20. Chevrolet			
0	0	0	21. Oldsmobile			
0	0	0	22. Pontiac			
20	15	5	23. GMC			
0	0	0	29. Other domestic			
0	0	0	30. Volkswagen			
0	0	0	31. Alfa Romeo			
0	0	0	32. Audi			
0	0	0	33. Austin			
0	0	0	34. BMW			
0	0	0	35. Datsun			
0	0	0	36. Fiat			
0	0	0	37. Honda			
0	0	0	38. Isuzu			
0	0	0	39. Jaguar			
0	0	0	40. Lancia			
0	0	0	41. Mazda			
0	0	0	42. Mercedes Benz			
0	0	0	43. MG			
0	0	0	44. Peugeot			
0	0	0	45. Porsche			
0	0	0	46. Renault			
0	0	0	47. Saab			
0	0	0	48. Subaru			
0	0	0	49. Toyota			
0	0	0	50. Triumph			
0	0	0	51. Volvo			
0	0	0	59. Other Import			
0	0	0	60. BSA			
0	0	0	61. Ducati			
0	0	0	62. Harley-Davidson			
0	0	0	63. Kawasaki			
0	0	0	64. Moto-Guzzi			
0	0	0	65. Norton			
0	0	0	66. Suzuki			
0	0	0	67. Yamaha			

STUDY OF TRUCK FIRES 1982  
 FARS Vehicle Variables

ALL	DIESEL	NON-DSL	Var 106	VEHICLE MAKE
0	0	0		69. Other motored cycle
0	0	0		70. Mo-Ped
0	0	0		80. Brockway
2	1	1		81. Diamond Reo
25	25	0		82. Freightliner
0	0	0		83. FWD
42	32	10		84. International
22	20	2		85. Kenworth
25	24	1		86. Mack
17	17	0		87. Peterbilt
12	12	0		88. White
4	4	0		95. Other truck or bus
0	0	0		98. Other make
0	0	0		99. Unknown

---

Variable 107 VEHICLE MAKE-MODEL MD1: 9900 Field Width: 4  
 MD2: 9900 Type: Numeric

ALL	DIESEL	NON-DSL	VEHICLE MAKE-MODEL
1	0	1	0774. Dodge Van
1	0	1	0782. Dodge medium/heavy: COE low entry
1	0	1	1275. Ford Van derivative
15	5	10	1281. Ford medium/heavy: CBE
2	0	2	1282. Ford medium/heavy: COE low entry
3	3	0	1283. Ford medium/heavy: COE high entry
1	0	1	1288. Ford other (truck)
18	1	17	2081. Chevrolet medium/heavy: CBE
3	2	1	2084. Chevrolet medium/heavy: unknown engine location
0	0	0	2106. Oldsmobile commercial series
0	0	0	2116. Oldsmobile Firenza
10	5	5	2381. GMC medium/heavy: CBE
6	6	0	2383. GMC medium/heavy: COE high entry
2	2	0	2384. GMC medium/heavy: unknown engine location
2	2	0	2389. GMC unknown (truck)
1	0	1	8184. Diamond Reo medium/heavy: unknown engine location
1	1	0	8189. Diamond Reo unknown (truck)
1	1	0	8281. Freightliner medium/heavy: CBE
4	4	0	8283. Freightliner medium/heavy: COE high entry
10	10	0	8284. Freightliner medium/heavy: unknown engine location
9	9	0	8289. Freightliner unknown (truck)
1	1	0	8290. Freightliner medium/heavy: COE, entry position unknown
1	1	0	8481. International medium/heavy: CBE

STUDY OF TRUCK FIRES 1982  
FARS Vehicle Variables

ALL	DIESEL	NON-DSL	Var 107	VEHICLE MAKE-MODEL
12	8	4	8484.	International medium/heavy: unknown engine location
2	0	2	8489.	International unknown (truck)
27	23	4	8499.	
1	1	0	8581.	Kenworth medium/heavy: CBE
11	9	2	8584.	Kenworth medium/heavy: unknown engine location
1	1	0	8588.	Kenworth other (truck)
6	6	0	8589.	Kenworth unknown (truck)
1	1	0	8590.	Kenworth medium/heavy: COE, entry position unknown
2	2	0	8599.	
1	1	0	8681.	Mack medium/heavy: CBE
17	16	1	8684.	Mack medium/heavy: unknown engine location
4	4	0	8689.	Mack unknown (truck)
3	3	0	8699.	
9	9	0	8784.	Peterbilt medium/heavy: unknown engine location
3	3	0	8789.	Peterbilt unknown (truck)
1	1	0	8790.	Peterbilt medium/heavy: COE, entry position unknown
4	4	0	8799.	
1	1	0	8882.	White medium/heavy: COE low entry
7	7	0	8884.	White medium/heavy: unknown engine location
3	3	0	8889.	White unknown (truck)
1	1	0	8899.	
1	1	0	9501.	Other (truck or bus) Autocar
2	2	0	9504.	Other (truck or bus) Western Star
1	1	0	9588.	Other (truck or bus) other (truck)

---

Variable 108 BODY TYPE MD1: 99 Field Width: 2  
MD2: None Type: Numeric

---

ALL	DIESEL	NON-DSL	BODY TYPE
			Van Based Light Trucks
1	0	1	41. Van-commercial cutaway (includes box van,multi-stop)
			Light Conventional Truck ( GVWR<10,000 lbs
2	1	1	53. Cab chassis based (includes light stake,dump,tow,rescue vehicles)
1	0	1	59. Unknown light conventional truck
			Medium/Heavy Truck (GVWR >10,000lbs)
10	1	9	70. Single unit straight truck (10,000<GVWR<19,500)



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ALL	DIESEL	NON-DSL	Var 108	BODY TYPE
13	1	12	71.	Single unit straight truck (19,500<GVWR<26,000)
17	5	12	72.	Single unit straight truck (GVWR>26,000)
156	147	9	74.	Truck-tractor
1	0	1	75.	Unknown medium truck (10,000<GVWR<26,000)
2	1	1	76.	Unknown heavy truck (GVWR>26,000)
9	4	5	78.	Single unit straight truck (GVWR unknown)
2	1	1	79.	Unknown truck type (light, medium, or heavy)

Variable 109 MODEL YEAR

MD1: 99 Field Width: 2  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	MODEL YEAR
0	0	0	00.
			- .
1	0	1	65. 1965
0	0	0	66. 1966
4	4	0	67. 1967
1	0	1	68. 1968
6	5	1	69. 1969
2	2	0	70. 1970
4	2	2	71. 1971
10	8	2	72. 1972
14	11	3	73. 1973
12	8	4	74. 1974
9	5	4	75. 1975
13	9	4	76. 1976
18	15	3	77. 1977
20	16	4	78. 1978
37	26	11	79. 1979
20	13	7	80. 1980
26	24	2	81. 1981
11	11	0	82. 1982
0	0	0	83. 1983
1	1	0	99. Unknown

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---

Variable 110	VIN	MD1: None	Field Width: 10
		MD2: None	Type: Alphabetic

---

VEHICLE ID NUMBER - 1ST 10 POSITIONS

---

Variable 111	VIN - LETTER #1	MD1: None	Field Width: 1
		MD2: None	Type: Alphabetic

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Variable 112	VIN - LETTER #2	MD1: None	Field Width: 1
		MD2: None	Type: Alphabetic

---

---

Variable 113	VIN - LETTER #3	MD1: None	Field Width: 1
		MD2: None	Type: Alphabetic

---

---

Variable 114	VIN - LETTER #4	MD1: None	Field Width: 1
		MD2: None	Type: Alphabetic

---

---

Variable 115	VIN - LETTER #5	MD1: None	Field Width: 1
		MD2: None	Type: Alphabetic

---

---

Variable 116	VIN - LETTER #6	MD1: None	Field Width: 1
		MD2: None	Type: Alphabetic

---

---

Variable 117	VIN - LETTER #7	MD1: None	Field Width: 1
		MD2: None	Type: Alphabetic

---

---

Variable 118	VIN - LETTER #8	MD1: None	Field Width: 1
		MD2: None	Type: Alphabetic

---

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Variable 119 VIN - LETTER #9 MD1: None Field Width: 1  
MD2: None Type: Alphabetic

Variable 120 VIN - LETTER #10 MD1: None Field Width: 1  
MD2: None Type: Alphabetic

Variable 121 REGISTRATION STATE MD1: 99 Field Width: 2  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	REGISTRATION STATE
0	0	0	00. No registration/not applicable
5	5	0	01. Alabama
0	0	0	02. Alaska
1	0	1	04. Arizona
3	1	2	05. Arkansas
14	12	2	06. California
3	3	0	08. Colorado
1	1	0	09. Connecticut
1	0	1	10. Delaware
0	0	0	11. District of Columbia
10	8	2	12. Florida
10	8	2	13. Georgia
0	0	0	15. Hawaii
0	0	0	16. Idaho
6	2	4	17. Illinois
8	7	1	18. Indiana
3	1	2	19. Iowa
7	6	1	20. Kansas
2	1	1	21. Kentucky
4	4	0	22. Louisiana
4	4	0	23. Maine
2	1	1	24. Maryland
2	2	0	25. Massachusetts
5	4	1	26. Michigan
3	1	2	27. Minnesota
2	2	0	28. Mississippi
8	4	4	29. Missouri
4	4	0	30. Montana
2	1	1	31. Nebraska
0	0	0	32. Nevada
1	1	0	33. New Hampshire
3	2	1	34. New Jersey
1	1	0	35. New Mexico
4	3	1	36. New York
7	7	0	37. North Carolina
1	0	1	38. North Dakota
6	4	2	39. Ohio
12	8	4	40. Oklahoma

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ALL	DIESEL	NON-DSL	Var 121	REGISTRATION STATE
2	2	0	41.	Oregon
1	1	0	42.	Pennsylvania
0	0	0	43.	Puerto Rico
0	0	0	44.	Rhode Island
4	3	1	45.	South Carolina
0	0	0	46.	South Dakota
2	0	2	47.	Tennessee
31	20	11	48.	Texas
0	0	0	49.	Utah
0	0	0	50.	Vermont
2	2	0	51.	Virginia
1	1	0	53.	Washington
0	0	0	54.	West Virginia
4	4	0	55.	Wisconsin
2	1	1	56.	Wyoming
2	2	0	92.	No registration
7	7	0	93.	Multiple state registration - in state
6	6	0	94.	Multiple state registration - out-of-state
0	0	0	95.	U.S. government tag
0	0	0	96.	Military vehicle
1	1	0	97.	Foreign country
0	0	0	98.	Other registration
4	3	1	99.	Unknown

---

Variable 122 ROLLOVER MD1: 9 Field Width: 1  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	ROLLOVER
144	106	38	0. No rollover
18	14	4	1. First event
52	41	11	2. Subsequent event

---

Variable 123 JACKKNIFE MD1: 9 Field Width: 1  
MD2: None Type: Numeric

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

ALL	DIESEL	NON-DSL	JACKKNIFE
64	19	45	0. Not an articulated vehicle
124	117	7	1. No
6	6	0	2. First event

STUDY OF TRUCK FIRES 1982  
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ALL	DIESEL	NON-DSL	Var 123	JACKKNIFE
20	19	1	3.	Subsequent event

---

Variable 124 TRAVEL SPEED MD1: 99 Field Width: 2  
 MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	TRAVEL SPEED
6	3	3	00. Stopped vehicle
0	0	0	01.
			- . Actual miles per hour
0	0	0	96.
0	0	0	97. 97 mph or greater
122	91	31	99. Unknown

---

Variable 125 HAZARDOUS CARGO MD1: 9 Field Width: 1  
 MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	HAZARDOUS CARGO
165	122	43	0. No
39	29	10	1. Yes
10	10	0	9. Unknown

---

Variable 126 VEHICLE TRAILERING MD1: 9 Field Width: 1  
 MD2: None Type: Numeric

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

ALL	DIESEL	NON-DSL	VEHICLE TRAILERING
57	16	41	0. No
153	141	12	1. Yes, one trailing unit
4	4	0	2. Yes, two or more trailing units
0	0	0	3. Yes, number of trailing units unknown
0	0	0	9. Unknown

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Variable 129    IMPACT POINT - INITIAL    MD1: 99    Field Width: 2  
MD2: None    Type: Numeric

ALL	DIESEL	NON-DSL	IMPACT POINT - INITIAL
20	14	6	00. Non-collision
20	16	4	01. 1 o'clock
5	2	3	02. 2 o'clock
8	3	5	03. 3 o'clock
2	1	1	04. 4 o'clock
2	1	1	05. 5 o'clock
6	3	3	06. 6 o'clock
4	2	2	07. 7 o'clock
4	4	0	08. 8 o'clock
5	4	1	09. 9 o'clock
5	5	0	10. 10 o'clock
30	21	9	11. 11 o'clock
102	84	18	12. 12 o'clock
0	0	0	13. Top
0	0	0	14. Undercarriage
0	0	0	15. Underride
0	0	0	16. Override
1	1	0	99. Unknown

Variable 130    IMPACT POINT - PRINCIPAL    MD1: 99    Field Width: 2  
MD2: None    Type: Numeric

ALL	DIESEL	NON-DSL	IMPACT POINT - PRINCIPAL
20	14	6	00. Non-collision
13	10	3	01. 1 o'clock
5	2	3	02. 2 o'clock
9	3	6	03. 3 o'clock
2	1	1	04. 4 o'clock
1	0	1	05. 5 o'clock
4	2	2	06. 6 o'clock
5	3	2	07. 7 o'clock
2	2	0	08. 8 o'clock
6	5	1	09. 9 o'clock
4	4	0	10. 10 o'clock
25	19	6	11. 11 o'clock
101	81	20	12. 12 o'clock
10	9	1	13. Top
1	1	0	14. Undercarriage
0	0	0	15. Underride
5	4	1	16. Override
1	1	0	99. Unknown

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Variable 131    EXTENT OF DEFORMATION    MD1:    9    Field Width: 1  
MD2:    None    Type:    Numeric

ALL	DIESEL	NON-DSL	EXTENT OF DEFORMATION
0	0	0	0. None
4	3	1	2. Other (minor)
10	5	5	4. Functional (moderate)
200	153	47	6. Disabling (severe)
0	0	0	9. Unknown

Variable 132    VEHICLE ROLE    MD1:    9    Field Width: 1  
MD2:    None    Type:    Numeric

ALL	DIESEL	NON-DSL	VEHICLE ROLE
20	14	6	0. Non-collision
151	122	29	1. Striking
38	20	18	2. Struck
4	4	0	3. Both
1	1	0	9. Unknown

Variable 133    MANNER OF LEAVING SCENE    MD1:    9    Field Width: 1  
MD2:    None    Type:    Numeric

ALL	DIESEL	NON-DSL	MANNER OF LEAVING SCENE
1	1	0	1. Driven
209	156	53	2. Towed away
2	2	0	3. Abandoned
2	2	0	9. Unknown

Variable 134    FIRE OCCURRENCE    MD1:    9    Field Width: 1  
MD2:    None    Type:    Numeric

ALL	DIESEL	NON-DSL	FIRE OCCURRENCE
1	1	0	0. No fire
213	160	53	1. Fire occurred in vehicle during accident

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---

Variable 135 NO OF OCCUPANTS MD1: 99 Field Width: 2  
MD2: 97 Type: Numeric

ALL	DIESEL	NON-DSL	NO OF OCCUPANTS
1	1	0	00. 0 occupants
164	126	38	01. 1 occupant
			- .
0	0	0	95. 95 occupants
0	0	0	96. 96 or more occupants
0	0	0	97. Unknown - only injured reported
1	0	1	99. Unknown

---

Variable 136 NO OF DEATHS IN VEH MD1: 99 Field Width: 2  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	NO OF DEATHS IN VEH
90	67	23	00. 0 deaths
108	82	26	01. 1 death
15	11	4	02. 2 deaths
1	1	0	03. 3 deaths

---

Variable 137 VEHICLE RELATED FACTORS MD1: 99 Field Width: 2  
MD2: None Type: Numeric  
Multiple Responses: 2

ALL	DIESEL	NON-DSL	RELATED FACTORS AT VEHICLE LEVEL
379	290	89	00. None
			<b>Defective</b>
9	5	4	01. Tires
8	5	3	02. Brake system
1	1	0	03. Steering system -tie rod, kingpin, ball joint, etc.
0	0	0	04. Suspension -springs, shock absorbers, etc.
0	0	0	05. Power train -universal joint, drive shaft, transmission, etc.
1	0	1	06. Exhaust system
0	0	0	07. Headlights
0	0	0	08. Signal lights
0	0	0	09. Other lights
0	0	0	10. Horn
0	0	0	11. Mirrors
1	1	0	12. Wipers
0	0	0	13. Driver seating and control
0	0	0	14. Body, doors, other



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ALL	DIESEL	NON-DSL	Var 137	VEHICLE RELATED FACTORS
0	0	0		15. Trailer hitch
0	0	0		16. Wheels
1	0	1		18. Other vehicle defects
0	0	0		31. Hit-and-run vehicle
0	0	0		32. Vehicle registration for handicapped
28	20	8		99. Unknown

---

Variable 138    VEHICLE MANEUVER                    MD1:    99    Field Width:    2  
 MD2:    None    Type:        Numeric

ALL	DIESEL	NON-DSL	VEHICLE MANEUVER
149	113	36	01. Going straight
5	3	2	02. Slowing or stopping in traffic lane
0	0	0	03. Starting in traffic lane
6	3	3	04. Stopped in traffic lane
6	4	2	05. Passing or overtaking another vehicle
0	0	0	06. Leaving a parked vehicle
0	0	0	07. Parked
0	0	0	08. Entering a parked position
12	10	2	09. Maneuvering to avoid an animal, pedestrian, object, another vehicle, etc.
0	0	0	10. Turning right: right turn on red (RTOR) permitted
0	0	0	11. Turning right: RTOR not permitted
1	1	0	12. Turning right: RTOR not known if permitted or n/a
2	1	1	13. Turning left
1	0	1	14. Making a U-turn
0	0	0	15. Backing up (other than for parking purposes)
4	4	0	16. Changing lanes or merging
28	22	6	17. Negotiating a curve
0	0	0	98. Other
0	0	0	99. Unknown

---

Variable 139    MOST HARMFUL EVENT                    MD1:    99    Field Width:    2  
 MD2:    None    Type:        Numeric

ALL	DIESEL	NON-DSL	MOST HARMFUL EVENT
Non-Collision Event			
16	15	1	01. Overturn

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ALL	DIESEL	NON-DSL	Var 139 MOST HARMFUL EVENT
88	65	23	02. Fire/explosion
0	0	0	03. Immersion
0	0	0	04. Gas inhalation
0	0	0	05. Fell from vehicle
0	0	0	06. Injured in vehicle
0	0	0	07. Other non-collision
Collision with object not fixed			
3	2	1	08. Pedestrian
0	0	0	09. Pedalcycle
5	3	2	10. Railway train
0	0	0	11. Animal
94	68	26	12. Motor vehicle in transport
0	0	0	13. Motor vehicle in other roadway
1	1	0	14. Parked motor vehicle
0	0	0	15. Other type non-motorist
0	0	0	16. Thrown or falling object
0	0	0	17. Boulder
0	0	0	18. Other object (not fixed)
Collision with fixed object			
0	0	0	19. Building
0	0	0	20. Impact attenuator
0	0	0	21. Bridge pier or abutment
0	0	0	22. Bridge parapet end
1	1	0	23. Bridge rail
1	1	0	24. Guardrail
0	0	0	25. Concrete traffic barrier
0	0	0	26. Other longitudinal barrier type
0	0	0	27. Highway/traffic sign post
0	0	0	28. Overhead sign support
0	0	0	29. Light support
1	1	0	30. Utility pole
0	0	0	31. Other post, pole or supports
0	0	0	32. Culvert
0	0	0	33. Curb
0	0	0	34. Ditch
2	2	0	35. Embankment - earth
1	1	0	36. Embankment - rock, stone, or concrete
0	0	0	37. Embankment - material type unknown
0	0	0	38. Fence
0	0	0	39. Wall
0	0	0	40. Fire hydrant
0	0	0	41. Shrubbery
1	1	0	42. Tree
0	0	0	43. Other fixed object
0	0	0	44. Pavement surface irregularity (potholes, grooved, grates)

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ALL	DIESEL	NON-DSL	Var 139	MOST HARMFUL EVENT
0	0	0	99.	Unknown

---

Variable 145 VIN TRUCK FUEL CODE MD1: None Field Width: 1  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	VIN TRUCK FUEL CODE
0	0	0	1. (E) Electric operated
41	2	39	2. (G) Gas
55	54	1	3. (D) Diesel
0	0	0	4. (P) Propane
0	0	0	7. (*) Not available from VIN
2	2	0	8. (b)
116	103	13	9. (9) No VIN information

---

Variable 146 VIN TRUCK WEIGHT CODE MD1: 9 Field Width: 1  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	VIN TRUCK WEIGHT CODE
2	2	0	0.
0	0	0	1. 6,000 or less
0	0	0	2. 6,001 - 10,000
1	0	1	3. 10,001 - 14,000
0	0	0	4. 14,001 - 16,000
2	0	2	5. 16,001 - 19,500
25	1	24	6. 19,501 - 26,000
11	2	9	7. 26,001 - 33,000
57	53	4	8. 33,001 or more
116	103	13	9. Unknown

---

Variable 147 VIN TRUCK SERIES MD1: None Field Width: 3  
MD2: None Type: Alphabetic

---

Variable 149 LENGTH OF VIN MD1: 99 Field Width: 2  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	LENGTH OF VIN
0	0	0	01.
			- . Actual value
30	29	1	17.
32	27	5	99. Unknown VIN length

STUDY OF TRUCK FIRES 1982  
FARS Vehicle Variables

---

Variable 150 NO OF UNINJURED IN VEH MD1: None Field Width: 2  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	NO OF UNINJURED IN VEH	
182	141	41	00.	0 uninjured
30	19	11	01.	1 uninjured
2	1	1	02.	2 uninjured

---

Variable 151 NO OF C-INJURED IN VEH MD1: None Field Width: 2  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	NO OF C-INJURED IN VEH	
197	149	48	00.	0 C-injured
13	9	4	01.	1 C-injured
2	2	0	02.	2 C-injured
2	1	1	03.	3 C-injured

---

Variable 152 NO OF B-INJURED IN VEH MD1: None Field Width: 2  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	NO OF B-INJURED IN VEH	
182	137	45	00.	0 B-injured
27	21	6	01.	1 B-injured
5	3	2	02.	2 B-injured

---

Variable 153 NO OF A-INJURED IN VEH MD1: None Field Width: 2  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	NO OF A-INJURED IN VEH	
183	136	47	00.	0 A-injured
26	22	4	01.	1 A-injured
3	3	0	02.	2 A-injured
2	0	2	03.	3 A-injured

STUDY OF TRUCK FIRES 1982  
 FARS Vehicle Variables

---

Variable	154	<u>NO OF K-INJURED IN VEH</u>		MD1:	None	Field Width:	2
				MD2:	None	Type:	Numeric

---

ALL	DIESEL	NON-DSL	NO OF K-INJURED IN VEH	
91	68	23	00.	0 killed
109	82	27	01.	1 killed
13	10	3	02.	2 killed
1	1	0	03.	3 killed

---

Variable	155	<u>NO OF UNK INJURED IN VEH</u>		MD1:	None	Field Width:	2
				MD2:	None	Type:	Numeric

---

ALL	DIESEL	NON-DSL	NO OF UNK INJURED IN VEH	
213	160	53	00.	0 unknown injured
1	1	0	01.	1 unknown injured

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Variable 201	CASE STATE	MD1: None	Field Width: 2
		MD2: None	Type: Numeric

Variable 202	CASE NUMBER	MD1: None	Field Width: 4
		MD2: None	Type: Numeric

Variable 203	TRANSACTION CODE	MD1: None	Field Width: 2
		MD2: None	Type: Numeric

Variable 204	VEHICLE NUMBER	MD1: 0	Field Width: 2
		MD2: None	Type: Numeric

ALL	DIESEL	NON-DSL	VEHICLE NUMBER
0	0	0	00. Dummy vehicle record (non-motorist)
127	92	35	01. Vehicle #1
72	57	15	02. Vehicle #2
11	8	3	03. Vehicle #3
2	2	0	04. Vehicle #4
1	1	0	05. Vehicle #5
			- .
0	0	0	99. Vehicle #99

Variable 205	FILLER	MD1: None	Field Width: 2
		MD2: None	Type: Numeric

Variable 206	DRIVER PRESENCE	MD1: 9	Field Width: 1
		MD2: None	Type: Numeric

ALL	DIESEL	NON-DSL	DRIVER PRESENCE
212	160	52	1. Driver operated vehicle
2	1	1	2. Driverless
0	0	0	3. Driver left scene
0	0	0	9. Unknown

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 FARS Vehicle Variables

---

Variable 207 DRIVER DRINKING MD1: 9 Field Width: 1  
 MD2: None Type: Numeric

---

ALL	DIESEL	NON-DSL	DRIVER DRINKING
207	156	51	0. No drinking reported
6	4	2	1. Drinking reported
1	1	0	9. Unknown

---

Variable 208 LICENSE STATE MD1: 99 Field Width: 2  
 MD2: None Type: Numeric

---

ALL	DIESEL	NON-DSL	LICENSE STATE
6	6	0	01. Alabama
0	0	0	02. Alaska
2	1	1	04. Arizona
2	1	1	05. Arkansas
14	12	2	06. California
2	2	0	08. Colorado
2	2	0	09. Connecticut
1	0	1	10. Delaware
0	0	0	11. District of Columbia
8	6	2	12. Florida
13	9	4	13. Georgia
0	0	0	15. Hawaii
1	1	0	16. Idaho
8	4	4	17. Illinois
5	4	1	18. Indiana
3	1	2	19. Iowa
8	7	1	20. Kansas
3	2	1	21. Kentucky
4	4	0	22. Louisiana
2	2	0	23. Maine
2	1	1	24. Maryland
1	1	0	25. Massachusetts
5	4	1	26. Michigan
2	0	2	27. Minnesota
3	2	1	28. Mississippi
12	8	4	29. Missouri
3	3	0	30. Montana
2	1	1	31. Nebraska
1	0	1	32. Nevada
2	2	0	33. New Hampshire
2	1	1	34. New Jersey
1	1	0	35. New Mexico
4	3	1	36. New York
8	8	0	37. North Carolina
1	0	1	38. North Dakota
15	13	2	39. Ohio
11	7	4	40. Oklahoma

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ALL	DIESEL	NON-DSL	Var 208	LICENSE STATE
1	1	0	41.	Oregon
1	1	0	42.	Pennsylvania
0	0	0	43.	Puerto Rico
0	0	0	44.	Rhode Island
3	3	0	45.	South Carolina
0	0	0	46.	South Dakota
2	1	1	47.	Tennessee
32	22	10	48.	Texas
0	0	0	49.	Utah
0	0	0	50.	Vermont
3	3	0	51.	Virginia
2	2	0	53.	Washington
1	1	0	54.	West Virginia
4	4	0	55.	Wisconsin
2	1	1	56.	Wyoming
0	0	0	94.	Military
0	0	0	95.	Canada
0	0	0	96.	Mexico
1	1	0	97.	Other foreign country
3	2	1	99.	Unknown

Variable 209 LICENSE CLASS COMPLIANCE MD1: 9 Field Width: 1  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	LICENSE CLASS COMPLIANCE
0	0	0	0. No license required
6	6	0	1. No license, license required
27	20	7	2. Valid license for this class only
6	2	4	3. One valid class license, but not for this class vehicle
168	130	38	4. Multiple class licenses, valid for this class vehicle
1	0	1	5. Multiple class licenses, no valid license for this class vehicle
6	3	3	9. Unknown

Variable 210 LICENSE STATUS MD1: 9 Field Width: 1  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	LICENSE STATUS
0	0	0	0. None required
9	4	5	1. None
195	150	45	2. Valid
2	2	0	3. Suspended
1	1	0	4. Revoked



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ALL DIESEL NON-DSL Var 210 LICENSE STATUS

1	1	0	5. Expired
0	0	0	6. Cancelled or denied
0	0	0	7. Learner's permit
0	0	0	8. Temporary
6	3	3	9. Unknown

---

Variable 211 LICENSE RESTRICTIONS MET MD1: 9 Field Width: 1  
MD2: None Type: Numeric

ALL DIESEL NON-DSL COMPLIANCE WITH LICENSE RESTRICTIONS

187	143	44	0. No restrictions or not applicable
6	4	2	1. Restrictions complied with
0	0	0	2. Restrictions not complied with
14	10	4	3. Restrictions, compliance unknown
7	4	3	9. Unknown

---

Variable 212 DRIVER TRAINING MD1: 9 Field Width: 1  
MD2: None Type: Numeric

ALL DIESEL NON-DSL DRIVER TRAINING

71	51	20	0. None
13	10	3	1. High school
1	1	0	2. Commercial
0	0	0	3. School bus
2	2	0	4. Traffic school
1	0	1	5. Two or more types
3	2	1	6. Training, type unknown
123	95	28	9. Unknown

---

Variable 213 VIOLATIONS CHARGED MD1: 9 Field Width: 1  
MD2: None Type: Numeric

ALL DIESEL NON-DSL VIOLATIONS CHARGED

185	138	47	0. None
1	1	0	1. Alcohol or drugs
3	3	0	2. Speeding
0	0	0	3. Alcohol or drugs and speeding
3	2	1	4. Reckless driving
0	0	0	5. Driving with a suspended or revoked license
11	9	2	6. Other moving violation
1	1	0	7. Non-moving violation

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ALL	DIESEL	NON-DSL	Var 213	VIOLATIONS CHARGED
2	2	0	8.	Violation, type unknown or other violation
8	5	3	9.	Unknown

---

Variable 214 NO OF PREV ACCIDENTS MD1: 99 Field Width: 2  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	NO OF PREVIOUS RECORDED ACCIDENTS
160	118	42	00. 0 accidents
34	26	8	01. 1 accident
9	9	0	02. 2 accidents
4	4	0	03. 3 accidents
7	4	3	99. Unknown

---

Variable 215 NO OF PREV SUSPENSIONS MD1: 99 Field Width: 2  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	NO OF PREVIOUS SUSPENSIONS AND REVOCATIONS
188	142	46	00. 0 suspensions
14	11	3	01. 1 suspension
4	3	1	02. 2 suspensions
1	1	0	05. 5 suspensions
7	4	3	99. Unknown

---

Variable 216 NO OF PREV DWI CONVICTNS MD1: 99 Field Width: 2  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	NO OF PREVIOUS DWI CONVICTIONS
203	156	47	00. 0 DWI convictions
4	1	3	01. 1 DWI conviction
7	4	3	99. Unknown

---

Variable 217 NO OF PREV SPEEDING CONV MD1: 99 Field Width: 2  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	NO OF PREVIOUS SPEEDING CONVICTIONS
103	74	29	00. 0 speed convictions
39	27	12	01. 1 speed conviction
31	25	6	02. 2 speed convictions

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ALL	DIESEL	NON-DSL	Var 217	NO OF PREV SPEEDING CONV
20	18	2	03.	3 speed convictions
9	8	1	04.	4 speed convictions
3	3	0	05.	5 speed convictions
1	1	0	06.	6 speed convictions
1	1	0	13.	13 speed convictions
7	4	3	99.	Unknown

---

Variable 218 NO OF PREV OTHER MV CONV MD1: 99 Field Width: 2  
 MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	NO OF PREVIOUS OTHER HARMFUL MV CONVICTION
151	107	44	00. 0 other convictions
38	34	4	01. 1 other conviction
12	10	2	02. 2 other convictions
3	3	0	03. 3 other convictions
2	2	0	04. 4 other convictions
1	1	0	07. 7 other convictions
7	4	3	99. Unknown

---

Variable 219 LAST ACC/SUSPNSN - MONTH MD1: 99 Field Width: 2  
 MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	LAST ACCIDENT/SUSPENSION/CONVICTION - MONT
71	50	21	00. No record
8	7	1	01. January
12	10	2	02. February
18	10	8	03. March
12	9	3	04. April
12	9	3	05. May
15	12	3	06. June
12	10	2	07. July
6	5	1	08. August
12	12	0	09. September
14	11	3	10. October
7	7	0	11. November
8	5	3	12. December
7	4	3	99. Unknown

STUDY OF TRUCK FIRES 1982  
FARS Vehicle Variables

---

Variable 220 LAST ACC/SUSPNSN - YEAR MD1: 99 Field Width: 2  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	LAST ACCIDENT/SUSPENSION/CONVICTION - YEAR
71	50	21	00. No record
0	0	0	77. 1977
0	0	0	78. 1978
10	6	4	79. 1979
23	17	6	80. 1980
62	52	10	81. 1981
41	32	9	82. 1982
7	4	3	99. Unknown

---

Variable 221 1ST ACC/SUSPNSN - MONTH MD1: 99 Field Width: 2  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	1ST ACCIDENT/SUSPENSION/CONVICTION - MONTH
71	50	21	00. No record
5	3	2	01. January
10	9	1	02. February
17	14	3	03. March
16	14	2	04. April
12	9	3	05. May
9	7	2	06. June
7	4	3	07. July
11	8	3	08. August
13	11	2	09. September
11	9	2	10. October
11	10	1	11. November
14	9	5	12. December
7	4	3	99. Unknown

---

Variable 222 1ST ACC/SUSPNSN - YEAR MD1: 99 Field Width: 2  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	1ST ACCIDENT/SUSPENSION/CONVICTION - YEAR
71	50	21	00. No record
0	0	0	77. 1977
0	0	0	78. 1978
50	41	9	79. 1979
45	35	10	80. 1980
31	23	8	81. 1981
10	8	2	82. 1982
7	4	3	99. Unknown

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Variable 223 DRIVER RELATED FACTORS MD1: 99 Field Width: 2  
 MD2: None Type: Numeric  
 Multiple Responses: 3

ALL	DIESEL	NON-DSL	RELATED FACTORS AT DRIVER LEVEL
433	319	114	00. None
			Physical/Mental Condition
9	8	1	01. Drowsy, sleepy, asleep, fatigued
0	0	0	02. Ill, blackout
0	0	0	03. Emotional (e.g., depression, angry, disturbed)
0	0	0	04. Drugs - medication
2	2	0	05. Other drugs
10	7	3	06. Inattentive (talking, eating, etc.)
0	0	0	07. Restricted to wheelchair
0	0	0	08. Paraplegic
0	0	0	09. Impaired due to previous injury
0	0	0	10. Deaf
0	0	0	11. Other physical impairment
0	0	0	12. Mother of dead fetus
			Miscellaneous Causes
0	0	0	19. Legally driving on suspended or revoked license
2	1	1	20. Leaving vehicle unattended with engine running, leaving vehicle unattended in roadway
1	1	0	21. Overloading or improper loading of vehicle with passengers or cargo
0	0	0	22. Towing or pushing vehicle improperly
1	1	0	23. Failing to dim or to have lights on when required
4	2	2	24. Operating without required equipment
0	0	0	25. Creating unlawful noise or using equipment prohibited by law
11	10	1	26. Following improperly
1	1	0	27. Improper or erratic lane changing
43	32	11	28. Failure to keep in proper lane or running off road
1	0	1	29. Illegal driving on road shoulder, in ditch, on sidewalk or on median
1	0	1	30. Making improper entry to or exit from trafficway
0	0	0	31. Starting or backing improperly
0	0	0	32. Opening vehicle closure into moving traffic or while vehicle is in motion
0	0	0	33. Passing where prohibited by signs, markings, hill or curve, or school bus displaying warning not to pass

STUDY OF TRUCK FIRES 1982  
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ALL	DIESEL	NON-DSL	Var 223	DRIVER RELATED FACTORS
0	0	0		34. Passing on wrong side
3	2	1		35. Passing with insufficient distance or inadequate visibility, or failing to yield to overtaking vehicle
10	8	2		36. Operating the vehicle in an erratic, reckless, careless or negligent manner
0	0	0		37. High speed chase - police in pursuit
10	6	4		38. Failure to yield right-of-way
10	6	4		39. Failure to obey traffic signs, control devices or traffic officers, or failure to observe safety zone
0	0	0		40. Passing through or around barrier
1	1	0		41. Failure to observe warnings or instructions on vehicles displaying them
0	0	0		42. Failure to signal intentions
0	0	0		43. Giving wrong signal
48	42	6		44. Driving too fast for conditions or in excess of posted maximum
0	0	0		45. Driving less than posted minimum
0	0	0		46. Operating at erratic or suddenly changing speeds
1	0	1		47. Making right turn from left turn lane, making left turn from right turn lane
1	0	1		48. Making other improper turn
0	0	0		49. Failure to comply with physical restrictions of license
0	0	0		50. Driving wrong way on one-way trafficway
9	6	3		51. Driving on wrong side of road
0	0	0		52. Operator inexperience
0	0	0		53. Unfamiliar with roadway
2	1	1		54. Stopping in roadway (vehicle not abandoned)
0	0	0		55. Underriding a parked truck
1	1	0		56. Low tire pressure
1	1	0		57. Locked wheel
0	0	0		58. Over correcting
0	0	0		59. Getting off/out of or on/in to moving vehicle
0	0	0		60. Getting off/out of or on/in to non-moving vehicle
				Vision obscured by
4	4	0		61. Rain, snow, fog, smoke, sand, dust
1	1	0		62. Reflected glare, bright sunlight, headlights
1	1	0		63. Curve, hill, or other design features (including traffic signs, embankment)

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ALL	DIESEL	NON-DSL	Var 223 DRIVER RELATED FACTORS
0	0	0	64. Building, billboard, etc.
0	0	0	65. Trees, crops, vegetation
1	1	0	66. Moving vehicle (including load)
0	0	0	67. Parked vehicle
0	0	0	68. Splash or spray of passing vehicle
0	0	0	69. Inadequate defrost or defog system
0	0	0	70. Inadequate lighting system
0	0	0	71. Obstructing angles on vehicle
0	0	0	72. Mirrors - rear view
0	0	0	73. Mirrors - other
0	0	0	74. Head restraints
0	0	0	75. Broken or improperly cleaned windshield
0	0	0	76. Other obstruction
Avoiding of swerving due to			
0	0	0	77. Severe crosswind
0	0	0	78. Wind from passing truck
3	2	1	79. Slippery or loose surface
2	2	0	80. Tire blow-out or flat
0	0	0	81. Debris or objects in road
0	0	0	82. Ruts, holes, bumps in road
0	0	0	83. Animals in road
5	5	0	84. Vehicle in road
0	0	0	85. Phantom vehicle
0	0	0	86. Pedestrian, pedalcyclist, or other non-motorist in road
0	0	0	87. Water, snow, oilslick on road
0	0	0	90. Hit-and-run vehicle driver
9	9	0	99. Unknown

STUDY OF TRUCK FIRES 1982  
FARS Vehicle Variables



**FARS Person Variables**

Variables 301 to 327 are taken from the 1982 FARS data set and describe the driver of the vehicle (whether present in the vehicle or not) at the time of the accident.

Variable 301	<b>CASE STATE</b>	MD1: None	Field Width: 2
		MD2: None	Type: Numeric

Variable 302	<b>CASE NUMBER</b>	MD1: None	Field Width: 4
		MD2: None	Type: Numeric

Variable 303	<b>TRANSACTION CODE</b>	MD1: None	Field Width: 2
		MD2: None	Type: Numeric

Variable 304	<b>VEHICLE NUMBER</b>	MD1: 0	Field Width: 2
		MD2: None	Type: Numeric

Variable 305	<b>PERSON NUMBER</b>	MD1: None	Field Width: 2
		MD2: None	Type: Numeric

ALL	DIESEL	NON-DSL	PERSON NUMBER
212	160	52	01. Person #1
			- .
2	1	1	99. Person #99

Variable 306	<b>STRIKING VEHICLE NO</b>	MD1: 99	Field Width: 2
		MD2: None	Type: Numeric

ALL	DIESEL	NON-DSL	STRIKING VEHICLE NO
212	160	52	00. Not applicable/vehicle occupant
0	0	0	01.
			- . Assigned vehicle number
0	0	0	98.
2	1	1	99. Unknown

STUDY OF TRUCK FIRES 1982  
FARS Person Variables

---

Variable 307 PERSON AGE MD1: 99 Field Width: 2  
MD2: None Type: Numeric

---

ALL	DIESEL	NON-DSL	PERSON AGE
0	0	0	01. - . Age in years
0	0	0	96.
2	1	1	99. Unknown

---

Variable 308 PERSON SEX MD1: 9 Field Width: 1  
MD2: None Type: Numeric

---

ALL	DIESEL	NON-DSL	PERSON SEX
209	158	51	1. Male
3	2	1	2. Female
2	1	1	9. Unknown

---

Variable 309 PERSON TYPE MD1: 9 Field Width: 1  
MD2: None Type: Numeric

---

ALL	DIESEL	NON-DSL	PERSON TYPE
			Motorist
212	160	52	1. Driver of a motor vehicle in transport
0	0	0	2. Passenger of a motor vehicle in transport
			Non-motorist/occupant
0	0	0	3. Occupant of a motor vehicle not in transport
0	0	0	4. Occupant of a non-motor vehicle transport device
			Non-motorist/non-occupant
0	0	0	5. Pedestrian
0	0	0	6. Bicyclist
0	0	0	7. Other cyclist
0	0	0	8. Other or unknown
2	1	1	9. Unknown occupant type in a motor vehicle in transport

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FARS Person Variables

Variable 310 SEATING POSITION MD1: 99 Field Width: 2  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	SEATING POSITION
0	0	0	00. Non-motorist
212	160	52	11. Front seat - left side (driver's side)
0	0	0	12. Front seat - middle
0	0	0	13. Front seat - right side
0	0	0	18. Front seat - other
0	0	0	19. Front seat - unknown
0	0	0	21. Second seat - left side
0	0	0	22. Second seat - middle
0	0	0	23. Second seat - right side
0	0	0	28. Second seat - other
0	0	0	29. Second seat - unknown
0	0	0	31. Third seat - left side
0	0	0	32. Third seat - middle
0	0	0	33. Third seat - right side
0	0	0	38. Third seat - other
0	0	0	39. Third seat - unknown
0	0	0	41. Fourth seat - left side
0	0	0	42. Fourth seat - middle
0	0	0	43. Fourth seat - right side
0	0	0	48. Fourth seat - other
0	0	0	49. Fourth seat - unknown
0	0	0	50. Sleeper section of cab (truck)
0	0	0	51. Other passenger in enclosed passenger or cargo area
0	0	0	52. Other passenger in unenclosed passenger or cargo area
0	0	0	53. Other passenger in passenger or cargo area, unknown if enclosed
0	0	0	54. Trailing unit
0	0	0	55. Riding on vehicle exterior
2	1	1	99. Unknown

Variable 311 MANUAL RESTRAINT SYS MD1: 9 Field Width: 1  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	MANUAL (ACTIVE) RESTRAINT SYSTEM
151	116	35	0. None used (vehicle occupant) or not applicable (non-motorist or passive system)
0	0	0	1. Shoulder belt
2	2	0	2. Lap belt
2	1	1	3. Lap and shoulder belt
0	0	0	4. Child safety seat
0	0	0	5. Motorcycle helmet

STUDY OF TRUCK FIRES 1982  
FARS Person Variables

ALL	DIESEL	NON-DSL	Var 311	MANUAL RESTRAINT SYS
0	0	0		8. Restraint used - type unknown or other (including other helmet)
59	42	17		9. Unknown

---

Variable	312	<u>AUTOMATIC RESTRAINT SYS</u>	MD1: 9	Field Width: 1
			MD2: None	Type: Numeric

---

ALL	DIESEL	NON-DSL	AUTOMATIC (PASSIVE) RESTRAINT SYSTEM
205	154	51	0. Not equipped or non-motorist
0	0	0	1. Automatic belt in use
0	0	0	2. Automatic belt not in use
0	0	0	3. Deployed air bag
0	0	0	4. Non-deployed air bag
9	7	2	9. Unknown

---

Variable	313	<u>NON-MOTORIST LOCATION</u>	MD1: 99	Field Width: 2
			MD2: None	Type: Numeric

---

ALL	DIESEL	NON-DSL	NON-MOTORIST LOCATION
212	160	52	00. Not applicable - vehicle occupant
0	0	0	01. Intersection - in crosswalk
0	0	0	02. Intersection - on roadway, not in crosswalk
0	0	0	03. Intersection - on roadway, crosswalk not available
0	0	0	04. Intersection - on roadway, crosswalk availability unknown
0	0	0	05. Intersection - not on roadway
0	0	0	09. Intersection - unknown
0	0	0	10. Non-intersection - in crosswalk
0	0	0	11. Non-intersection - on roadway, not in crosswalk
0	0	0	12. Non-intersection - on roadway, crosswalk not available
0	0	0	13. Non-intersection - on roadway, crosswalk availability unknown
0	0	0	14. Non-intersection - in parking lane
0	0	0	15. Non-intersection - on road shoulder
0	0	0	16. Non-intersection - bike path
0	0	0	17. Non-intersection - outside trafficway
0	0	0	18. Non-intersection - other, not on roadway
0	0	0	19. Non-intersection - unknown

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ALL DIESEL NON-DSL Var 313 NON-MOTORIST LOCATION

2 1 1 99. Unknown

---

Variable 314 EJECTION MD1: 9 Field Width: 1  
MD2: None Type: Numeric

---

ALL DIESEL NON-DSL EJECTION

172 126 46 0. Not ejected; not applicable  
31 29 2 1. Totally ejected  
7 4 3 2. Partially ejected  
4 2 2 9. Unknown

---

Variable 315 EXTRICATION MD1: 9 Field Width: 1  
MD2: None Type: Numeric

---

ALL DIESEL NON-DSL EXTRICATION

182 139 43 0. Not extricated; not applicable  
29 20 9 1. Extricated  
3 2 1 9. Unknown

---

Variable 316 ALCOHOL INVOLVEMENT MD1: 9 Field Width: 1  
MD2: None Type: Numeric

---

ALL DIESEL NON-DSL ALCOHOL INVOLVEMENT

121 89 32 0. No (alcohol not involved)  
6 4 2 1. Yes (alcohol involved)  
49 35 14 8. Not reported  
38 33 5 9. Unknown

---

Variable 317 ALCOHOL TEST RESULT MD1: 99 Field Width: 2  
MD2: None Type: Numeric  
Implied Dec Places: 2

---

ALL DIESEL NON-DSL ALCOHOL TEST RESULT

34 28 6 00.  
- . Result value (grams/100 ml%)  
0 0 0 94.  
0 0 0 95. Test refused  
151 110 41 96. None given  
8 7 1 97. AC test performed, results unknown

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ALL	DIESEL	NON-DSL	Var 317	ALCOHOL TEST RESULT
14	11	3	99.	Unknown

---

Variable	318	INJURY SEVERITY	MD1:	9	Field Width:	1
			MD2:	None	Type:	Numeric

---

ALL	DIESEL	NON-DSL	INJURY SEVERITY
29	18	11	0. 0 - no injury
16	12	4	1. C - possible injury
26	20	6	2. B - nonincapacitating evident injury
25	20	5	3. A - incapacitating injury
114	88	26	4. K - fatal injury
1	1	0	5. Injured, severity unknown
0	0	0	6. Died prior to accident
3	2	1	9. Unknown

---

Variable	319	TAKEN TO HOSPITAL	MD1:	9	Field Width:	1
			MD2:	None	Type:	Numeric

---

ALL	DIESEL	NON-DSL	TAKEN TO HOSPITAL OR TREATMENT FACILITY
102	79	23	0. No
104	78	26	1. Yes
8	4	4	9. Unknown

---

Variable	320	DEATH DATE - MONTH	MD1:	99	Field Width:	2
			MD2:	None	Type:	Numeric

---

ALL	DIESEL	NON-DSL	DEATH DATE - MONTH
98	72	26	00. Not applicable
7	7	0	01. January
6	4	2	02. February
8	7	1	03. March
14	13	1	04. April
9	9	0	05. May
12	9	3	06. June
13	7	6	07. July
7	5	2	08. August
11	10	1	09. September
9	6	3	10. October
8	5	3	11. November
9	6	3	12. December
3	1	2	99. Unknown

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FARS Person Variables

---

Variable 321 DEATH DATE - DAY MD1: 99 Field Width: 2  
MD2: None Type: Numeric

---

ALL	DIESEL	NON-DSL	DEATH DATE - DAY
98	72	26	00. Not applicable
4	4	0	01.
			- . Day of month
3	2	1	31.
3	1	2	99. Unknown

---

Variable 322 DEATH DATE - YEAR MD1: 99 Field Width: 2  
MD2: None Type: Numeric

---

ALL	DIESEL	NON-DSL	DEATH DATE - YEAR
98	72	26	00. Not applicable
113	88	25	82. 1982
0	0	0	83. 1983
3	1	2	99. Unknown

---

Variable 323 DEATH TIME - HOURS MD1: 99 Field Width: 2  
MD2: None Type: Numeric

---

ALL	DIESEL	NON-DSL	DEATH TIME - HOURS
102	76	26	00. 12:01 am - 12:59 am
4	4	0	01. 1:00 am - 1:59 am
2	2	0	02. 2:00 am - 2:59 am
3	3	0	03. 3:00 am - 3:59 am
5	5	0	04. 4:00 am - 4:59 am
3	3	0	05. 5:00 am - 5:59 am
7	6	1	06. 6:00 am - 6:59 am
3	3	0	07. 7:00 am - 7:59 am
3	3	0	08. 8:00 am - 8:59 am
4	2	2	09. 9:00 am - 9:59 am
3	2	1	10. 10:00 am - 10:59 am
5	3	2	11. 11:00 am - 11:59 am
8	7	1	12. 12:00 pm - 12:59 pm
8	6	2	13. 1:00 pm - 1:59 pm
6	4	2	14. 2:00 pm - 2:59 pm
7	4	3	15. 3:00 pm - 3:59 pm
4	3	1	16. 4:00 pm - 4:59 pm
1	1	0	17. 5:00 pm - 5:59 pm
3	1	2	18. 6:00 pm - 6:59 pm
2	2	0	19. 7:00 pm - 7:59 pm
4	2	2	20. 8:00 pm - 8:59 pm
3	2	1	21. 9:00 pm - 9:59 pm
2	1	1	22. 10:00 pm - 10:59 pm

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ALL	DIESEL	NON-DSL	Var 323 DEATH TIME - HOURS
4	3	1	23. 11:00 pm - 11:59 pm
18	13	5	99. Unknown

---

Variable 324	DEATH TIME - MINUTES	MD1:	99	Field Width:	2
		MD2:	None	Type:	Numeric

ALL	DIESEL	NON-DSL	DEATH TIME - MINUTES
109	81	28	00. - . Minute
0	0	0	59.
18	13	5	99. Unknown

---

Variable 325	LAG TIME ACC/DEATH - HRS	MD1:	999	Field Width:	3
		MD2:	None	Type:	Numeric

ALL	DIESEL	NON-DSL	LAG TIME ACC/DEATH - HRS
70	57	13	000. - . Actual time in hours
0	0	0	998.
116	85	31	999. Unknown

---

Variable 326	LAG TIME ACC/DEATH - MIN	MD1:	99	Field Width:	2
		MD2:	None	Type:	Numeric

ALL	DIESEL	NON-DSL	LAG TIME ACC/DEATH - MIN
98	76	22	00. - . Minute
0	0	0	59.
116	85	31	99. Unknown

---

Variable 327	PERSON RELATED FACTORS	MD1:	99	Field Width:	2
		MD2:	None	Type:	Numeric
		Multiple Responses: 3			

ALL	DIESEL	NON-DSL	RELATED FACTORS AT PERSON LEVEL
636	480	156	00. Not applicable (driver) or none (all other persons)
0	0	0	01. Not visible



STUDY OF TRUCK FIRES 1982  
 FARS Person Variables

ALL	DIESEL	NON-DSL	Var 327	PERSON RELATED FACTORS
0	0	0	02.	Darting or running into road
0	0	0	03.	Improper crossing of roadway or intersection
0	0	0	04.	Walking with or against traffic, playing, working, sitting, lying, standing, etc. in roadway
0	0	0	05.	Interfering with driver
0	0	0	06.	Ill, blackout
0	0	0	07.	Emotional (e.g., depression, angry, disturbed)
0	0	0	08.	Drugs - medication
0	0	0	09.	Drugs - other
0	0	0	10.	Inattentive (talking, eating, etc.)
0	0	0	11.	Walking with cane or crutches
0	0	0	12.	Restricted to wheelchair
0	0	0	13.	Paraplegic
0	0	0	14.	Impaired due to previous injury
0	0	0	15.	Deaf
0	0	0	16.	Blind
0	0	0	17.	Other physical impairment
0	0	0	18.	Mother of dead fetus
Non-motor vehicle operator related factors				
0	0	0	20.	Leaving vehicle unattended in roadway
0	0	0	21.	Overloading or improper loading of vehicle with passengers or cargo
0	0	0	22.	Towing or pushing vehicle improperly
0	0	0	23.	Failing to have lights on when required
0	0	0	24.	Operating without required equipment
0	0	0	25.	Creating unlawful noise or using equipment prohibited by law
0	0	0	26.	Following improperly
0	0	0	27.	Improper or erratic lane changing
0	0	0	28.	Failure to keep in proper lane or running off road
0	0	0	29.	Illegal driving on road shoulder, in ditch, on sidewalk or on median
0	0	0	30.	Making improper entry to or exit from trafficway
0	0	0	34.	Passing on wrong side
0	0	0	35.	Passing with insufficient distance or inadequate visibility or failing to yield to overtaking vehicle
0	0	0	36.	Operating the vehicle in other erratic, reckless, careless or negligent manner
0	0	0	38.	Failure to yield right of way
0	0	0	39.	Failure to obey traffic signal, Traffic control devices, or Traffic officers, Failure to observe safety
				zo

STUDY OF TRUCK FIRES 1982  
FARS Person Variables

ALL	DIESEL	NON-DSL	Var 327	PERSON RELATED FACTORS
0	0	0	40.	Passing through or around barrier positioned to prohibit or channel traffic
0	0	0	41.	Failure to observe warnings or instructions on vehicles displaying them
0	0	0	42.	Failure to signal intentions
0	0	0	43.	Giving wrong signal
0	0	0	44.	Driving too fast for conditions or in excess of maximum
0	0	0	45.	Driving less than posted minimum
0	0	0	46.	Operating at erratic or suddenly changing speeds
0	0	0	47.	Making right turn from left turn lane or making left turn from right turn lane
0	0	0	48.	Making other improper turn
0	0	0	49.	Driving wrong way on one way roadway
0	0	0	50.	Driving on wrong side of road
0	0	0	51.	Operator inexperience
0	0	0	52.	Unfamiliar with roadway
0	0	0	53.	Stopping in roadway (vehicle not abandoned)
0	0	0	54.	Underriding a parked truck
0	0	0	55.	Getting off/out of or on/in to moving transport vehicle
0	0	0	56.	Getting off/out of or on/in to non-moving transport vehicle
Vision obscured by				
0	0	0	60.	Rain, snow, fog, smoke, sand, dust
0	0	0	61.	Reflected glare, bright sunlight, headlights
0	0	0	62.	Curve, hill, or other design features (including traffic signs, embankment)
0	0	0	63.	Building, billboard, etc.
0	0	0	64.	Trees, crops, vegetation
0	0	0	65.	Moving vehicle (including load)
0	0	0	66.	Parked vehicle
0	0	0	67.	Splash or spray of passing vehicle
0	0	0	68.	Inadequate lighting system
0	0	0	69.	Obstructing angles on vehicle
0	0	0	70.	Mirrors - rear view
0	0	0	71.	Mirrors - other
0	0	0	72.	Other obstruction
Avoiding or swerving due to				
0	0	0	73.	Severe crosswind

STUDY OF TRUCK FIRES 1982  
 FARS Person Variables

ALL	DIESEL	NON-DSL	Var 327	PERSON RELATED FACTORS
0	0	0		74. Wind from passing vehicle
0	0	0		75. Slippery or loose surface
0	0	0		76. Tire blow-out or flat
0	0	0		77. Debris or objects in road
0	0	0		78. Ruts, holes, bumps in road
0	0	0		79. Animals in road
0	0	0		80. Vehicle in road
0	0	0		81. Phantom vehicle
0	0	0		82. Pedestrian, pedalcyclist or other non-motorist in road
0	0	0		83. Water, snow, oilslick on road
0	0	0		87. Pedestrian jaywalking
0	0	0		88. Pedestrian jogging
6	3	3		99. Unknown

---

Variable 799 FILLER

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MD1: None Field Width: 3  
 MD2: None Type: Numeric

STUDY OF TRUCK FIRES 1982  
FARS Person Variables

Fire Supplement Variables

Data for variables 800 to 929 are provided by an analysis of case records and a supplemental Fire Study Interview. They describe the accident, vehicle, persons, and certain aspects of the fire. There is some overlap with information provided by FARS variables.

Variable 800 BMCS ID NUMBER MD1: 99999 Field Width: 5  
 MD2: None Type: Numeric

Variable 803 VIN MD1: 99999 Field Width: 10  
 MD2: None Type: Alphabetic

VEHICLE ID NUMBER - 1ST 10 positions

Variable 804 FUEL TYPE MD1: 9 Field Width: 1  
 MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	FUEL TYPE
161	161	0	1. Diesel
49	0	49	2. Gasoline
0	0	0	3. LPG
2	0	2	4. Other (includes mixed or combination fuels)
2	0	2	9. Unknown

Variable 805 ENGINE MAKE MD1: 9 Field Width: 1  
 MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	ENGINE MAKE
50	0	50	0. Mfrs. gasoline or other non-diesel
1	1	0	1. Allis-Chalmers
8	8	0	2. Caterpillar
82	81	1	3. Cummins
23	23	0	4. Detroit Diesel
0	0	0	5. IHC
19	18	1	6. Mack
0	0	0	7. White
30	30	0	8. Diesel unknown make
1	0	1	9. Unknown

STUDY OF TRUCK FIRES 1982  
Fire Supplement Variables

Variable	806	ENGINE MODEL	MD1: 99999	Field Width: 10
			MD2: None	Type: Alphabetic

Variable	807	VEHICLE MAKE	MD1: 99	Field Width: 2
			MD2: None	Type: Numeric

ALL	DIESEL	NON-DSL	VEHICLE MAKE
1	1	0	00. Autocar
21	3	18	01. Chevrolet
2	1	1	02. Diamond Reo
2	0	2	03. Dodge
22	8	14	04. Ford
31	31	0	05. Freightliner
20	15	5	06. GMC
41	31	10	07. IH
22	20	2	08. Kenworth
25	24	1	09. Mack
17	17	0	10. Peterbilt
2	2	0	11. Western Star
7	7	0	12. White
1	1	0	13. Other
0	0	0	99. Unknown

Variable	808	VEHICLE MODEL	MD1: 99999	Field Width: 10
			MD2: None	Type: Alphabetic

Variable	809	MODEL YEAR	MD1: 99	Field Width: 2
			MD2: None	Type: Numeric

ALL	DIESEL	NON-DSL	MODEL YEAR
0	0	0	00.
			- . Model year 19--
1	0	1	65. 1965
0	0	0	66. 1966
4	4	0	67. 1967
1	0	1	68. 1968
6	5	1	69. 1969
2	2	0	70. 1970
4	2	2	71. 1971
10	8	2	72. 1972
13	10	3	73. 1973
11	7	4	74. 1974
9	5	4	75. 1975
13	9	4	76. 1976
20	17	3	77. 1977

STUDY OF TRUCK FIRES 1982  
Fire Supplement Variables

ALL	DIESEL	NON-DSL	Var 809	MODEL YEAR
20	16	4	78.	1978
37	26	11	79.	1979
21	14	7	80.	1980
25	23	2	81.	1981
12	12	0	82.	1982
0	0	0	83.	1983
0	0	0	99.	Unknown

---

Variable 810 CAB STYLE MD1: 9 Field Width: 1  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	CAB STYLE
118	68	50	1. Conventional
92	90	2	2. COE/Cab Forward
4	3	1	9. Unknown

---

Variable 811 POWER UNIT BODY STYLE MD1: 9 Field Width: 1  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	POWER UNIT BODY STYLE
148	143	5	0. Tractor: N/A
			Straight truck
13	1	12	1. Trk/Van
11	6	5	2. Trk/Flat
14	4	10	3. Trk/Tank
0	0	0	4. Trk/Auto
3	3	0	5. Trk/Refuse
14	1	13	6. Trk/Dump
11	3	8	7. Trk/Other
			Other
0	0	0	9. Missing

---

Variable 812 POWER UNIT - AXLES MD1: 9 Field Width: 1  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	NUMBER OF AXLES ON POWER UNIT
0	0	0	1. One
52	16	36	2. Two
158	144	14	3. Three
2	1	1	4. Four

STUDY OF TRUCK FIRES 1982  
Fire Supplement Variables

ALL	DIESEL	NON-DSL	Var 812	POWER UNIT - AXLES
0	0	0	5.	Five
2	0	2	9.	Unknown

---

Variable	813	TYPE OF FIRST TRAILER	MD1:	9	Field Width:	1
			MD2:	None	Type:	Numeric

ALL	DIESEL	NON-DSL	TYPE OF FIRST TRAILER
145	140	5	1. Semi-trailer
6	6	0	2. Full trailer
6	2	4	3. Other
57	13	44	8. N/A No 1st trailer
0	0	0	9. Unknown

---

Variable	814	1ST TRAILER - AXLES	MD1:	9	Field Width:	1
			MD2:	None	Type:	Numeric

ALL	DIESEL	NON-DSL	NUMBER OF AXLES ON FIRST TRAILER
8	8	0	1. 1
143	135	8	2. 2
3	3	0	3. 3
0	0	0	4. 4
0	0	0	5. 5
0	0	0	6. 6
0	0	0	7. 7
57	13	44	8. N/A No 1st trailer
3	2	1	9. Unknown

---

Variable	815	1ST TRAILER BODY TYPE	MD1:	99	Field Width:	2
			MD2: <td>98</td> <td>Type:</td> <td>Numeric</td>	98	Type:	Numeric

ALL	DIESEL	NON-DSL	1ST TRAILER BODY TYPE
68	68	0	01. Van
16	13	3	02. Flat
46	44	2	03. Tank
1	1	0	04. Auto
1	1	0	05. Refuse
6	6	0	06. Dump
0	0	0	07. Dolly
17	14	3	08. Other
57	13	44	98. N/A No 1st trailer
2	1	1	99. Unknown



STUDY OF TRUCK FIRES 1982  
Fire Supplement Variables

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Variable 816 TYPE OF SECOND TRAILER MD1: 9 Field Width: 1  
MD2: None Type: Numeric

---

ALL	DIESEL	NON-DSL	TYPE OF SECOND TRAILER
0	0	0	1. Semi-trailer
5	5	0	2. Full trailer
0	0	0	3. Other
209	156	53	8. N/A No 2nd trailer
0	0	0	9. Unknown

---

Variable 817 2ND TRAILER - AXLES MD1: 9 Field Width: 1  
MD2: None Type: Numeric

---

ALL	DIESEL	NON-DSL	NUMBER OF AXLES ON SECOND TRAILER
0	0	0	1. 1
5	5	0	2. 2
0	0	0	3. 3
0	0	0	4. 4
0	0	0	5. 5
0	0	0	6. 6
0	0	0	7. 7
209	156	53	8. N/A No 2nd trailer
0	0	0	9. Unknown

---

Variable 818 2ND TRAILER BODY TYPE MD1: 99 Field Width: 2  
MD2: None Type: Numeric

---

ALL	DIESEL	NON-DSL	2ND TRAILER BODY TYPE
4	4	0	01. Van
0	0	0	02. Flat
1	1	0	03. Tank
0	0	0	04. Auto
0	0	0	05. Refuse
0	0	0	06. Dump
0	0	0	07. Dolly
0	0	0	08. Other
209	156	53	98. N/A No 2nd trailer
0	0	0	99. Unknown



STUDY OF TRUCK FIRES 1982  
Fire Supplement Variables

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Variable 822 2ND CARGO WEIGHT MD1: 999999 Field Width: 6  
MD2: None Type: Numeric

Cargo weight in second cargo body

ALL DIESEL NON-DSL 2ND CARGO WEIGHT

000000. Empty  
- . Cargo wt. (lbs.)  
999996. N/A:No cargo body  
999997. Some cargo, unknown weight  
999998. Full cargo, unknown weight  
999999. Unknown

---

Variable 823 TOTAL CARGO WEIGHT MD1: 999999 Field Width: 6  
MD2: None Type: Numeric

Total cargo weight

ALL DIESEL NON-DSL TOTAL CARGO WEIGHT

000000. Empty  
- . Cargo wt. (lbs.)  
999996. N/A:No cargo area  
999997. Some cargo, unknown weight  
999998. Full cargo, unknown weight  
999999. Unknown

---

Variable 824 EMPTY COMBINATION WT. MD1: 999999 Field Width: 6  
MD2: None Type: Numeric

ALL DIESEL NON-DSL SAMPLE VEHICLE EMPTY COMB. WEIGHT

000000.  
- . Empty combination weight (lbs.)  
999999. Unknown

---

Variable 825 POWER UNIT WEIGHT MD1: 999999 Field Width: 6  
MD2: None Type: Numeric

ALL DIESEL NON-DSL POWER UNIT WEIGHT

000000.  
- . Power unit weight (lbs.)  
999999. Unknown

STUDY OF TRUCK FIRES 1982  
Fire Supplement Variables

Variable	826	<u>1ST TRAILER WEIGHT</u>	MD1: 999999	Field Width: 6
			MD2: 0	Type: Numeric

ALL DIESEL NON-DSL 1ST TRAILER WEIGHT

000000. No 1st trailer  
- . 1st Trailer empty weight  
999999. Unknown

Variable	827	<u>2ND TRAILER WEIGHT</u>	MD1: 999999	Field Width: 6
			MD2: 0	Type: Numeric

ALL DIESEL NON-DSL 2ND TRAILER WEIGHT

000000. No 2nd Trailer  
- . 2nd Trailer empty weight  
999999. Unknown

Variable	828	<u>TOTAL VEHICLE LENGTH</u>	MD1: 999	Field Width: 3
			MD2: None	Type: Numeric

Total vehicle length is recorded in feet

ALL DIESEL NON-DSL TOTAL VEHICLE LENGTH

0 0 0 000.  
- . Vehicle length (ft.)  
7 4 3 999. Unknown

Variable	829	<u>POWER UNIT LENGTH</u>	MD1: 999	Field Width: 3
			MD2: None	Type: Numeric

Power unit length is recorded in feet

ALL DIESEL NON-DSL POWER UNIT LENGTH

0 0 0 000.  
- . Vehicle length (ft.)  
42 37 5 999. Unknown

STUDY OF TRUCK FIRES 1982  
Fire Supplement Variables

Variable 830 1ST TRAILER LENGTH MD1: 999 Field Width: 3  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	1ST TRAILER LENGTH
57	13	44	000. No 1st trailer - . Vehicle length (ft.)
34	31	3	999. Unknown

Variable 831 2ND TRAILER LENGTH MD1: 999 Field Width: 3  
MD2: 0 Type: Numeric

ALL	DIESEL	NON-DSL	2ND TRAILER LENGTH
207	155	52	000. No 2nd Trailer - . Length (ft.)
3	2	1	999. Unknown

Variable 832 TRUCK WIDTH MD1: 999 Field Width: 3  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	TRUCK WIDTH
0	0	0	000. - . Width (inches)
18	8	10	999. Unknown

Variable 833 FUEL TANK CONFIGURATION MD1: 9 Field Width: 1  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	FUEL TANK CONFIGURATION
1	1	0	0. Other Configuration
3	2	1	1. 1 Left
0	0	0	2. 1 Right
124	120	4	3. 1L, 1R
0	0	0	4. 2L
2	1	1	5. 2R
0	0	0	6. 2L, 1R
0	0	0	7. 2R, 1L
0	0	0	8. 2L, 2R
84	37	47	9. Unknown

STUDY OF TRUCK FIRES 1982  
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<u>Variable</u>	<u>834</u>	<u>RIGHT FUEL TANK SIZE</u>	MD1:	999	Field Width:	3
			MD2:	998	Type:	Numeric

ALL	DIESEL	NON-DSL	RIGHT FUEL TANK SIZE
0	0	0	000. - . Actual capacity (gallons)
3	2	1	998. No right tank
105	58	47	999. Unknown

<u>Variable</u>	<u>835</u>	<u>LEFT FUEL TANK SIZE</u>	MD1:	999	Field Width:	3
			MD2:	998	Type:	Numeric

ALL	DIESEL	NON-DSL	LEFT FUEL TANK SIZE
0	0	0	000. - . Actual capacity (gallons)
2	1	1	998. No left tank
106	58	48	999. Unknown

<u>Variable</u>	<u>836</u>	<u>AUX-L. FUEL TANK SIZE</u>	MD1:	999	Field Width:	3
			MD2:	998	Type:	Numeric

ALL	DIESEL	NON-DSL	AUX-L. FUEL TANK SIZE
0	0	0	000. - . Actual capacity (gallons)
127	119	8	998. No l. aux tank
86	41	45	999. Unknown

<u>Variable</u>	<u>837</u>	<u>AUX-R. FUEL TANK SIZE</u>	MD1:	999	Field Width:	3
			MD2:	998	Type:	Numeric

ALL	DIESEL	NON-DSL	AUX-R. FUEL TANK SIZE
0	0	0	000. - . Actual capacity (gallons)
126	119	7	998. No r. aux tank
86	41	45	999. Unknown

STUDY OF TRUCK FIRES 1982  
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Variable 838 FUEL ON BOARD MD1: 999 Field Width: 3  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	FUEL ON BOARD
ESTIMATED FUEL ON BOARD			
Estimated fuel on board at time of accident			
0	0	0	000. Empty
			- . Estimated % full
137	88	49	999. Unknown

Variable 839 CARGO TYPE MD1: 99 Field Width: 2  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	CARGO TYPE
44	32	12	01. Empty
38	34	4	02. Gen. freight (LTL)
7	7	0	03. Metal
24	20	4	04. Gasoline
3	3	0	05. Diesel
2	1	1	06. Flam. gases-bulk
0	0	0	07. Non-flam gases-bulk
24	15	9	08. Non-pkg solid-bulk
8	7	1	09. Non-flam liquids-bulk
14	9	5	10. Flam. liquids-bulk
16	13	3	11. Processed food (refrigerated)
11	8	3	12. Farm products
20	10	10	13. Other
3	2	1	99. Unknown

Variable 840 HAZARDOUS CARGO MD1: 9 Field Width: 1  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	HAZARDOUS CARGO
48	37	11	1. Yes
122	92	30	2. No
44	32	12	8. N/A No cargo
0	0	0	9. Unknown

STUDY OF TRUCK FIRES 1982  
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---

Variable 841 CARGO SPILLAGE MD1: 9 Field Width: 1  
MD2: None Type: Numeric

---

ALL	DIESEL	NON-DSL	CARGO SPILLAGE
71	53	18	1. Yes
52	43	9	2. No
44	32	12	8. N/A No cargo
47	33	14	9. Unknown

---

Variable 842 TYPE OF CARRIER MD1: 9 Field Width: 1  
MD2: None Type: Numeric

---

ALL	DIESEL	NON-DSL	TYPE OF CARRIER
62	46	16	1. Inter/private
77	74	3	2. Inter/authorized
6	4	2	3. Inter/exempt
39	19	20	4. Intra/private
14	10	4	5. Intra/hire
8	2	6	6. Government
2	0	2	7. Rent
0	0	0	8. Other
6	6	0	9. Unknown

---

Variable 843 TYPE OF TRIP MD1: 9 Field Width: 1  
MD2: None Type: Numeric

---

ALL	DIESEL	NON-DSL	TYPE OF TRIP
29	27	2	1. Over-the-road (BMCS)
70	32	38	2. Local pick-up and delivery
38	33	5	3. Under 200
73	66	7	4. Over 200
1	1	0	5. OTR (survey)
3	2	1	9. Unknown

---

Variable 844 TEMP:HI OF DAY MD1: 999 Field Width: 3  
MD2: None Type: Numeric

---

Temperature is recorded as fahrenheit degrees plus 100

ALL	DIESEL	NON-DSL	TEMP:HI OF DAY
0	0	0	000.
			- . degrees + 100
61	46	15	999. Unknown



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Variable 845 TEMP:LO OF DAY MD1: 999 Field Width: 3  
MD2: None Type: Numeric

Temperature is recorded as farenheit degrees plus 100

ALL	DIESEL	NON-DSL	TEMP:LO OF DAY
0	0	0	000. - . degrees + 100
60	46	14	999. Unknown

Variable 846 TEMP AT TIME OF ACCID. MD1: 999 Field Width: 3  
MD2: None Type: Numeric

Temperature is recorded as farenheit degrees plus 100

ALL	DIESEL	NON-DSL	TEMP AT TIME OF ACCID.
0	0	0	000. - . degrees + 100
210	157	53	999. Unknown

Variable 849 RAMP STATUS MD1: 9 Field Width: 1  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	RAMP STATUS
0	0	0	1. 'On' ramp
3	2	1	2. 'Off' ramp
211	159	52	8. N/A Not a ramp
0	0	0	9. Unknown

Variable 850 INITIAL IMPACT POINT MD1: 99 Field Width: 2  
MD2: None Type: Numeric

Point of first damaging impact, collision or non-collision

ALL	DIESEL	NON-DSL	INITIAL IMPACT POINT
94	79	15	01. Front
26	19	7	02. Front Right
19	11	8	03. Right
3	1	2	04. Rear Right
6	3	3	05. Rear
7	6	1	06. Rear Left
19	17	2	07. Left
32	22	10	08. Front Left

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ALL	DIESEL	NON-DSL	Var 850 INITIAL IMPACT POINT
0	0	0	09. Top
1	0	1	10. Undercarriage
1	0	1	11. Loc. Unknown
6	3	3	12. No Impact
0	0	0	99. Unknown

---

Variable 851 PRINCIPAL IMPACT POINT MD1: 99 Field Width: 2  
MD2: None Type: Numeric

Point of most damaging impact, collision or non-collision

ALL	DIESEL	NON-DSL	PRINCIPAL IMPACT POINT
93	77	16	01. Front
19	14	5	02. Front Right
22	15	7	03. Right
2	0	2	04. Rear Right
4	1	3	05. Rear
5	4	1	06. Rear Left
18	15	3	07. Left
25	17	8	08. Front Left
13	10	3	09. Top
3	3	0	10. Undercarriage
4	2	2	11. Loc. Unknown
6	3	3	12. No Impact
0	0	0	99. Unknown

---

Variable 852 ROLLOVER-CAUSE MD1: 9 Field Width: 1  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	ROLLOVER-CAUSE
35	25	10	1. Ran-off-road
1	1	0	2. Avoidance
23	18	5	3. Coll. w/mov vehicle
18	17	1	4. Coll. w/fixed object
1	1	0	5. Other cause of roll
0	0	0	6. Unk. cause of roll
136	99	37	8. N/A:No rollover
0	0	0	9. Unk. roll status

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Variable 853 ROLLOVER-DIRECTION MD1: 9 Field Width: 1  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	ROLLOVER-DIRECTION
34	26	8	1. Right
30	25	5	2. Left
3	2	1	3. End
11	9	2	4. Unk. Direction
136	99	37	8. N/A:No rollover
0	0	0	9. Unk. roll status

Variable 854 ROLLOVER-AMOUNT MD1: 9 Field Width: 1  
MD2: None Type: Numeric

(Amount is measured in number of quarter turns)

ALL	DIESEL	NON-DSL	ROLLOVER-AMOUNT
136	99	37	0. No rollover
34	26	8	1. 1 quarter turn
19	16	3	2. 2
7	7	0	3. 3
2	2	0	4. Complete Roll
0	0	0	5. 5
0	0	0	6. 6
1	1	0	7. 7+ quarter rolls
15	10	5	8. Unk. amount of roll
0	0	0	9. Unk. roll status

Variable 855 JACKKNIFE MD1: 9 Field Width: 1  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	JACKKNIFE
6	6	0	1. Yes:primary event
21	21	0	2. Yes:subsequent event
119	114	5	3. No
68	20	48	8. N/A:Not an articulated vehicle
0	0	0	9. Unknown

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Variable 856 ESTIMATED TRAVEL SPEED MD1: 99 Field Width: 2  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	ESTIMATED TRAVEL SPEED
9	3	6	00. Stopped
0	0	0	05. 5 mph
1	1	0	10. 10 mph
			- . speed - multiples of 5mph
0	0	0	90. 90+ mph
6	6	0	98. Over 55 (Actual speed unknown)
85	59	26	99. Unknown

Variable 857 1ST HARMFUL EVENT MD1: 99 Field Width: 2  
MD2: None Type: Numeric

(Reference to sample vehicle)

ALL	DIESEL	NON-DSL	1ST HARMFUL EVENT
			NON-COLLISION
6	3	3	01. Fire/Explosion
6	6	0	02. Jackknife
16	12	4	03. Overturn
			SAMPLE VEH.- STRIKING
			Sample veh. slow moving
0	0	0	04. a:Col.w/ Pedestrian, cyclist or animal
4	2	2	05. a:Col.w/ Fixed object
0	0	0	06. a:Col.w/ moving motor vehicle
2	1	1	07. a:Col.w/ slow moving motor veh
0	0	0	08. a:Col.w/ off road, stopped motor veh.
2	2	0	09. a:Col.w/ on road, stopped motor veh.
			Sample veh. fast moving
2	2	0	10. b:Col.w/ Pedestrian, cyclist or animal
34	28	6	11. b:Col.w/ Fixed object
67	53	14	12. b:Col.w/ moving motor vehicle
26	20	6	13. b:Col.w/ slow moving motor veh
5	5	0	14. b:Col.w/ off road, stopped motor veh.
12	10	2	15. b:Col.w/ on road, stopped motor veh.
			SAMPLE VEHICLE:STRUCK BY OTH VEH.
			Sample vehicle stopped on road
4	1	3	16. c:Col.w/motor veh.
0	0	0	17. c:Col.w/slow motor veh.
			Sample vehicle stopped off road
0	0	0	18. d:Col. w/motor veh.

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ALL	DIESEL	NON-DSL	Var 857 1ST HARMFUL EVENT
0	0	0	19. d:Col. w/slow motor veh. Sample vehicle slow moving
7	3	4	20. e:Col.w/motor veh.
1	0	1	21. e:Col.w/slow motor veh. Sample vehicle moving (not slow, stopped)
19	12	7	22. f:Col.w/motor veh.
1	1	0	23. f:Col.w/slow motor veh.
0	0	0	98. Other
0	0	0	99. Unknown

---

Variable 858 1ST OTHER VEH. CONFIG MD1: 99 Field Width: 2  
MD2: None Type: Numeric

---

Configuration of other vehicle involved in 1st harmful event.

ALL	DIESEL	NON-DSL	1ST OTHER VEH. CONFIG
Truck			
11	5	6	01. Straight
4	3	1	02. Strt/trailer
2	1	1	03. Tractor(Bobtail)
25	21	4	04. Tractor/semi
1	1	0	05. Tractor/double
0	0	0	06. Other
0	0	0	07. Unknown truck
Non-Truck			
90	69	21	08. Car/Pickup
5	3	2	09. Train
8	5	3	10. Other non-truck
Other			
68	53	15	98. N/A:No other veh. involved
0	0	0	99. Unknown

---

Variable 859 2ND HARMFUL EVENT MD1: 99 Field Width: 2  
MD2: None Type: Numeric

---

(Reference to sample vehicle)

ALL	DIESEL	NON-DSL	2ND HARMFUL EVENT
NON-COLLISION			
110	76	34	01. Fire/Explosion
9	8	1	02. Jackknife
36	28	8	03. Overturn

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ALL	DIESEL	NON-DSL	Var 859	2ND HARMFUL EVENT
SAMPLE VEH.- STRIKING				
Sample veh. slow moving				
0	0	0	04. a:Col.w/	Pedestrian, cyclist or animal
2	2	0	05. a:Col.w/	Fixed object
1	0	1	06. a:Col.w/	moving motor vehicle
1	1	0	07. a:Col.w/	slow moving motor veh
0	0	0	08. a:Col.w/	off road, stopped motor veh.
3	2	1	09. a:Col.w/	on road, stopped motor veh.
Sample veh. fast moving				
2	2	0	10. b:Col.w/	Pedestrian, cyclist or animal
25	24	1	11. b:Col.w/	Fixed object
11	8	3	12. b:Col.w/	moving motor vehicle
1	1	0	13. b:Col.w/	slow moving motor veh
0	0	0	14. b:Col.w/	off road, stopped motor veh.
0	0	0	15. b:Col.w/	on road, stopped motor veh.
SAMPLE VEHICLE:STRUCK BY OTH VEH.				
Sample vehicle stopped on road				
1	0	1	16. c:Col.w/	motor veh.
0	0	0	17. c:Col.w/	slow motor veh.
Sample vehicle stopped off road				
0	0	0	18. d:Col. w/	motor veh.
0	0	0	19. d:Col. w/	slow motor veh.
Sample vehicle slow moving				
0	0	0	20. e:Col.w/	motor veh.
0	0	0	21. e:Col.w/	slow motor veh.
Sample vehicle moving (not slow,stopped)				
7	6	1	22. f:Col.w/	motor veh.
0	0	0	23. f:Col.w/	slow motor veh.
4	2	2	97. No 2nd harmful event	
1	1	0	98. Other	
0	0	0	99. Unknown	

---

Variable 860	<u>2ND OTHER VEH. CONFIG</u>	MD1: 99	Field Width: 2
		MD2: None	Type: Numeric

---

Configuration of other vehicle involved in 2nd harmful event.

ALL	DIESEL	NON-DSL	2ND OTHER VEH. CONFIG
Truck			
3	1	2	01. Straight
0	0	0	02. Strt/trailer
1	1	0	03. Tractor(Bobtail)

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ALL	DIESEL	NON-DSL	Var 860	2ND OTHER VEH. CONFIG
4	2	2	04.	Tractor/semi
0	0	0	05.	Tractor/double
0	0	0	06.	Other
0	0	0	07.	Unknown truck
Non-Truck				
14	11	3	08.	Car/Pickup
0	0	0	09.	Train
3	3	0	10.	Other non-truck
Other				
4	2	2	97.	N/A:No 2nd harmful event
185	141	44	98.	N/A:No other veh. involved
0	0	0	99.	Unknown

---

Variable 861 3RD HARMFUL EVENT MD1: 99 Field Width: 2  
MD2: None Type: Numeric

---

(Reference to sample vehicle)

ALL	DIESEL	NON-DSL	3RD HARMFUL EVENT
NON-COLLISION			
65	53	12	01. Fire/Explosion
8	8	0	02. Jackknife
14	12	2	03. Overturn
SAMPLE VEH.- STRIKING			
Sample veh. slow moving			
0	0	0	04. a:Col.w/ Pedestrian, cyclist or animal
3	1	2	05. a:Col.w/ Fixed object
0	0	0	06. a:Col.w/ moving motor vehicle
0	0	0	07. a:Col.w/ slow moving motor veh
0	0	0	08. a:Col.w/ off road, stopped motor veh.
0	0	0	09. a:Col.w/ on road, stopped motor veh.
Sample veh. fast moving			
0	0	0	10. b:Col.w/ Pedestrian, cyclist or animal
16	13	3	11. b:Col.w/ Fixed object
1	1	0	12. b:Col.w/ moving motor vehicle
2	2	0	13. b:Col.w/ slow moving motor veh
2	2	0	14. b:Col.w/ off road, stopped motor veh.
1	1	0	15. b:Col.w/ on road, stopped motor veh.

SAMPLE VEHICLE:STRUCK BY OTH VEH.  
Sample vehicle stopped on road

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ALL	DIESEL	NON-DSL	Var 861	3RD HARMFUL EVENT
1	1	0	16.	c:Col.w/motor veh.
0	0	0	17.	c:Col.w/slow motor veh.
				Sample vehicle stopped off road
0	0	0	18.	d:Col. w/motor veh.
0	0	0	19.	d:Col. w/slow motor veh.
				Sample vehicle slow moving
0	0	0	20.	e:Col.w/motor veh.
0	0	0	21.	e:Col.w/slow motor veh.
				Sample vehicle moving (not slow,stopped)
1	1	0	22.	f:Col.w/motor veh.
0	0	0	23.	f:Col.w/slow motor veh.
100	66	34	97.	No 3rd harmful event
0	0	0	98.	Other
0	0	0	99.	Unknown

---

Variable 862 3RD OTHER VEH. CONFIG MD1: 99 Field Width: 2  
MD2: None Type: Numeric

---

Configuration of other vehicle involved in 3rd harmful event.

ALL	DIESEL	NON-DSL	3RD OTHER VEH. CONFIG
			Truck
1	1	0	01. Straight
0	0	0	02. Strt/trailer
0	0	0	03. Tractor(Bobtail)
2	2	0	04. Tractor/semi
1	1	0	05. Tractor/double
0	0	0	06. Other
0	0	0	07. Unknown truck
			Non-Truck
3	3	0	08. Car/Pickup
0	0	0	09. Train
1	1	0	10. Other non-truck
			Other
100	66	34	97. N/A:No 3rd harmful event
106	87	19	98. N/A:No other veh. involved
0	0	0	99. Unknown



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Variable 863 4TH HARMFUL EVENT MD1: 99 Field Width: 2  
 MD2: None Type: Numeric

(Reference to sample vehicle)

ALL	DIESEL	NON-DSL	4TH HARMFUL EVENT
			NON-COLLISION
24	19	5	01. Fire/Explosion
2	2	0	02. Jackknife
12	10	2	03. Overturn
			SAMPLE VEH.- STRIKING
			Sample veh. slow moving
0	0	0	04. a:Col.w/ Pedestrian, cyclist or animal
0	0	0	05. a:Col.w/ Fixed object
0	0	0	06. a:Col.w/ moving motor vehicle
1	1	0	07. a:Col.w/ slow moving motor veh
0	0	0	08. a:Col.w/ off road, stopped motor veh.
0	0	0	09. a:Col.w/ on road, stopped motor veh.
			Sample veh. fast moving
0	0	0	10. b:Col.w/ Pedestrian, cyclist or animal
2	2	0	11. b:Col.w/ Fixed object
1	1	0	12. b:Col.w/ moving motor vehicle
0	0	0	13. b:Col.w/ slow moving motor veh
0	0	0	14. b:Col.w/ off road, stopped motor veh.
0	0	0	15. b:Col.w/ on road, stopped motor veh.
			SAMPLE VEHICLE:STRUCK BY OTH VEH.
			Sample vehicle stopped on road
0	0	0	16. c:Col.w/motor veh.
0	0	0	17. c:Col.w/slow motor veh.
			Sample vehicle stopped off road
0	0	0	18. d:Col. w/motor veh.
0	0	0	19. d:Col. w/slow motor veh.
			Sample vehicle slow moving
0	0	0	20. e:Col.w/motor veh.
0	0	0	21. e:Col.w/slow motor veh.
			Sample vehicle moving (not slow,stopped)
1	1	0	22. f:Col.w/motor veh.
0	0	0	23. f:Col.w/slow motor veh.
169	123	46	97. No 4th harmful event
2	2	0	98. Other
0	0	0	99. Unknown

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Variable	864	<u>4TH OTHER VEH. CONFIG</u>	MD1:	99	Field Width:	2
			MD2:	None	Type:	Numeric

---

Configuration of other vehicle involved in 4th harmful event.

ALL	DIESEL	NON-DSL	4TH OTHER VEH. CONFIG
			Truck
0	0	0	01. Straight
0	0	0	02. Strt/trailer
0	0	0	03. Tractor(Bobtail)
0	0	0	04. Tractor/semi
0	0	0	05. Tractor/double
0	0	0	06. Other
0	0	0	07. Unknown truck
			Non-Truck
3	3	0	08. Car/Pickup
0	0	0	09. Train
0	0	0	10. Other non-truck
			Other
169	123	46	97. N/A:No 4th harmful event
42	35	7	98. N/A:No other veh. involved
0	0	0	99. Unknown

---

Variable	865	<u>5TH HARMFUL EVENT</u>	MD1:	99	Field Width:	2
			MD2:	None	Type:	Numeric

---

(Reference to sample vehicle)

ALL	DIESEL	NON-DSL	5TH HARMFUL EVENT
			NON-COLLISION
11	10	1	01. Fire/Explosion
2	2	0	02. Jackknife
0	0	0	03. Overturn
			SAMPLE VEH.- STRIKING
			Sample veh. slow moving
0	0	0	04. a:Col.w/ Pedestrian, cyclist or animal
0	0	0	05. a:Col.w/ Fixed object
0	0	0	06. a:Col.w/ moving motor vehicle
1	1	0	07. a:Col.w/ slow moving motor veh
0	0	0	08. a:Col.w/ off road, stopped motor veh.
0	0	0	09. a:Col.w/ on road, stopped motor veh.
			Sample veh. fast moving
0	0	0	10. b:Col.w/ Pedestrian, cyclist or animal

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ALL	DIESEL	NON-DSL	Var 865	5TH HARMFUL EVENT
0	0	0	11. b:Col.w/	Fixed object
1	1	0	12. b:Col.w/	moving motor vehicle
0	0	0	13. b:Col.w/	slow moving motor veh
0	0	0	14. b:Col.w/	off road, stopped motor veh.
0	0	0	15. b:Col.w/	on road, stopped motor veh.
SAMPLE VEHICLE:STRUCK BY OTH VEH.				
Sample vehicle stopped on road				
0	0	0	16. c:Col.w/motor veh.	
0	0	0	17. c:Col.w/slow motor veh.	
Sample vehicle stopped off road				
0	0	0	18. d:Col. w/motor veh.	
0	0	0	19. d:Col. w/slow motor veh.	
Sample vehicle slow moving				
0	0	0	20. e:Col.w/motor veh.	
0	0	0	21. e:Col.w/slow motor veh.	
Sample vehicle moving (not slow,stopped)				
0	0	0	22. f:Col.w/motor veh.	
0	0	0	23. f:Col.w/slow motor veh.	
199	147	52	97. No 5th harmful event	
0	0	0	98. Other	
0	0	0	99. Unknown	

---

Variable 866 5TH OTHER VEH. CONFIG MD1: 99 Field Width: 2  
MD2: None Type: Numeric

Configuration of other vehicle involved in 5th harmful event.

ALL	DIESEL	NON-DSL	5TH OTHER VEH. CONFIG
Truck			
0	0	0	01. Straight
0	0	0	02. Strt/trailer
0	0	0	03. Tractor(Bobtail)
0	0	0	04. Tractor/semi
0	0	0	05. Tractor/double
0	0	0	06. Other
1	1	0	07. Unknown truck
Non-Truck			
0	0	0	08. Car/Pickup
0	0	0	09. Train
1	1	0	10. Other non-truck
Other			
199	147	52	97. N/A:No 5th harmful event
13	12	1	98. N/A:No other veh. involved

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ALL	DIESEL	NON-DSL	Var 866	5TH OTHER VEH. CONFIG
0	0	0	99.	Unknown

---

Variable 867	<u>MOST HARMFUL EVENT</u>	MD1: 9	Field Width: 1
		MD2: None	Type: Numeric

(Reference to sample vehicle)

ALL	DIESEL	NON-DSL	MOST HARMFUL EVENT
105	77	28	1. 1st event
64	43	21	2. 2nd event
30	27	3	3. 3rd event
10	9	1	4. 4th event
5	5	0	5. 5th event
0	0	0	9. Unknown

---

Variable 868	<u>MECHANICAL DEFECTS</u>	MD1: 99	Field Width: 2
		MD2: None	Type: Numeric

Mechanical defect or equipment failure was an accident factor

ALL	DIESEL	NON-DSL	MECHANICAL DEFECTS
196	151	45	00. None
1	0	1	01. Fuel System
8	5	3	02. Wheels/Tires
1	1	0	03. Steering
0	0	0	04. Transmission
1	1	0	05. Suspension
0	0	0	06. Driveline
0	0	0	07. Engine
0	0	0	08. Lights
0	0	0	09. Coupling
6	3	3	10. Brakes
1	0	1	11. Other
0	0	0	99. Unknown

---

Variable 869	<u>SEATBELT USAGE-DRIVER</u>	MD1: 9	Field Width: 1
		MD2: 4	Type: Numeric

ALL	DIESEL	NON-DSL	SEATBELT USAGE-DRIVER
22	19	3	1. Yes - used belt
128	103	25	2. No - installed belt not used
2	2	0	5. No - no belt installed

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ALL	DIESEL	NON-DSL	Var 869 SEATBELT USAGE-DRIVER
4	2	2	8. N/A:Driver not in seat
58	35	23	9. Unknown:installed or used

---

Variable 870 SEATBELT USAGE-PASNGRS MD1: 9 Field Width: 1  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	SEATBELT USAGE-PASNGRS
1	1	0	1. All
1	1	0	2. Some
30	20	10	3. None
173	133	40	8. N/A:No passenger or not in seat
9	6	3	9. Unknown

---

Variable 871 EXPLOSION MD1: 9 Field Width: 1  
MD2: None Type: Numeric

Combustion type, rather than from force of impact (in any vehicle)

ALL	DIESEL	NON-DSL	EXPLOSION
12	10	2	1. Witnessed
74	60	14	2. Reported
57	47	10	3. None
71	44	27	9. Unknown

---

Variable 873 SLOW/STOPPED/PARKED/VEH MD1: 9 Field Width: 1  
MD2: None Type: Numeric

Vehicles slow moving, stopped on or off roadway(parked)

ALL	DIESEL	NON-DSL	SLOW/STOPPED/PARKED/VEH
15	5	10	1. Sample
45	37	8	2. Other vehicle
145	114	31	3. None
8	5	3	4. Both
1	0	1	9. Unknown

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Variable 874 FUEL SYST FAIL:RUPTURE MD1: 99 Field Width: 2  
MD2: None Type: Numeric

---

ALL	DIESEL	NON-DSL	FUEL SYST FAIL:RUPTURE
71	55	16	00. None
20	17	3	01. Left
24	19	5	02. Right
0	0	0	03. L.Aux (LA)
0	0	0	04. R.Aux (RA)
20	20	0	05. L,R
0	0	0	06. L,LA
0	0	0	07. L,RA
0	0	0	08. R,LA
0	0	0	09. R,RA
0	0	0	10. LA,RA
0	0	0	11. L,R,LA
0	0	0	12. L,R,RA
0	0	0	13. L,LA,RA
0	0	0	14. R,LA,RA
0	0	0	20. All:L,R,RA,LA
25	19	6	27. Rupture, location unknown
54	31	23	99. Unknown

---

Variable 875 FUEL SYST FAIL:LEAK MD1: 99 Field Width: 2  
MD2: None Type: Numeric

---

ALL	DIESEL	NON-DSL	FUEL SYST FAIL:LEAK
125	104	21	00. None
9	8	1	01. Left
1	1	0	02. Right
0	0	0	03. L.Aux (LA)
0	0	0	04. R.Aux (RA)
1	1	0	05. L,R
0	0	0	06. L,LA
0	0	0	07. L,RA
0	0	0	08. R,LA
1	0	1	09. R,RA
0	0	0	10. LA,RA
0	0	0	11. L,R,LA
0	0	0	12. L,R,RA
0	0	0	13. L,LA,RA
0	0	0	14. R,LA,RA
0	0	0	20. All:L,R,RA,LA
29	17	12	27. Leakage, location unknown
48	30	18	99. Unknown

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Variable 876 FUEL SYST FAIL:CAUSE MD1: 9 Field Width: 1  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	FUEL SYST FAIL:CAUSE
14	13	1	1. Fire/Explosion
13	10	3	2. Overturn
53	41	12	3. Coll. w/moving motor vehicle
26	20	6	4. Coll. w/fixed obj. (not a motor vehicle)
8	6	2	5. Coll. w/slow or parked motor vehicle
1	0	1	6. Other non-collision
43	33	10	8. N/A:No system failure
56	38	18	9. Unknown

---

Variable 877 FUEL SPILLAGE: IMPACT MD1: 9 Field Width: 1  
MD2: None Type: Numeric

This variable refers to fuel spilled from sample vehicle upon impact.

ALL	DIESEL	NON-DSL	FUEL SPILLAGE: IMPACT
66	54	12	1. Yes
63	52	11	2. No
85	55	30	9. Unknown

---

Variable 878 FUEL SPILLAGE: REST MD1: 9 Field Width: 1  
MD2: None Type: Numeric

This variable refers to fuel spilled from sample vehicle at rest.

ALL	DIESEL	NON-DSL	FUEL SPILLAGE: REST
124	96	28	1. Yes
44	34	10	2. No
46	31	15	9. Unknown

---

Variable 879 IGNITION SOURCE MD1: 9 Field Width: 1  
MD2: None Type: Numeric

Source of ignition for fire in sample vehicle

ALL	DIESEL	NON-DSL	IGNITION SOURCE
61	49	12	1. Sparks/collision

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ALL	DIESEL	NON-DSL	Var 879	IGNITION SOURCE
44	38	6	2.	Fire-oth vehicle
15	15	0	3.	Other spark
14	11	3	4.	Other
80	48	32	9.	Unknown

---

Variable 880    1st MATERIAL BURNED    MD1:    9    Field Width: 1  
MD2:    None    Type:    Numeric

This variable refers to the first major material burned on the sample vehicle.

ALL	DIESEL	NON-DSL	1st MATERIAL BURNED
77	76	1	1. Diesel fuel
27	1	26	2. Gasoline fuel
30	24	6	3. Liquid Cargo
1	1	0	4. Dry Cargo
32	29	3	5. Tractor or truck cab
9	6	3	6. Trailer or cargo body
4	3	1	7. Other
34	21	13	9. Unknown

---

Variable 881    ENTRAPMENT    MD1:    9    Field Width: 1  
MD2:    None    Type:    Numeric

ALL	DIESEL	NON-DSL	ENTRAPMENT
35	26	9	1. Driver
5	3	2	2. Passenger (Authorized)
0	0	0	3. Unauth. Passenger(s)
5	4	1	4. 1+2
0	0	0	5. 2+3
1	1	0	6. 1+3
0	0	0	7. All
118	95	23	8. None
50	32	18	9. Unknown

---

Variable 882    EJECTION    MD1:    9    Field Width: 1  
MD2:    None    Type:    Numeric

ALL	DIESEL	NON-DSL	EJECTION
42	37	5	1. Driver
6	5	1	2. Passenger (Authorized)
1	1	0	3. Unauth. Passenger(s)



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ALL	DIESEL	NON-DSL	Var 882 EJECTION
1	1	0	4. 1+2
1	0	1	5. 2+3
0	0	0	6. 1+3
0	0	0	7. All
141	103	38	8. None
22	14	8	9. Unknown

---

Variable 883 NO. OCCUPANTS IN VEH. MD1: 9 Field Width: 1  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	NUMBER OF OCCUPANTS IN SAMPLE VEHICLE
0	0	0	0. None
166	127	39	1. 1
39	30	9	2. 2
9	4	5	3. 3+
0	0	0	9. Unknown

---

Variable 884 NO. UNINJURED IN VEH. MD1: 9 Field Width: 1  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	NUMBER UNINJURED IN SAMPLE VEHICLE
178	136	42	0. None
33	23	10	1. 1
3	2	1	2. 2
0	0	0	3. 3+
0	0	0	9. Unknown

---

Variable 885 NO. INJURED IN VEHICLE MD1: 9 Field Width: 1  
MD2: None Type: Numeric

Number injured in sample vehicle, non-fatals

ALL	DIESEL	NON-DSL	NO. INJURED IN VEHICLE
136	102	34	0. None
65	51	14	1. 1
8	7	1	2. 2
4	0	4	3. 3+
1	1	0	4.
0	0	0	9. Unknown

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Variable 886	<u>DRIVER INJURY</u>	MD1: 9	Field Width: 1
		MD2: None	Type: Numeric

ALL	DIESEL	NON-DSL	DRIVER OF SAMPLE VEH. INJURY
32	22	10	0. No
24	19	5	1. A-Injured
28	21	7	2. B-Injured
15	11	4	3. C-Injured
115	88	27	4. K-Injured
0	0	0	5. Yes, type unknown
0	0	0	9. Unknown

Variable 887	<u>NO. PASSENGERS KILLED</u>	MD1: 9	Field Width: 1
		MD2: None	Type: Numeric

ALL	DIESEL	NON-DSL	NO. PASSENGERS KILLED IN SAMPLE VEHICLE
26	19	7	0. None
22	15	7	1. 1
1	1	0	2. 2
0	0	0	3. 3+
165	126	39	8. N/A: No passengers
0	0	0	9. Unknown

Variable 888	<u>NO. PASSENGERS INJURED</u>	MD1: 9	Field Width: 1
		MD2: None	Type: Numeric

ALL	DIESEL	NON-DSL	NO. PASSENGERS INJURED IN SAMPLE VEHICLE
27	20	7	0. None
16	13	3	1. 1
4	1	3	2. 2
2	1	1	3. 3
165	126	39	8. N/A: No passengers
0	0	0	9. Unknown

Variable 889	<u>NO. UNINJ. IN OTH. VEH.</u>	MD1: 9	Field Width: 1
		MD2: None	Type: Numeric

ALL	DIESEL	NON-DSL	NUMBER UNINJURED IN OTHER VEHICLE(S)
121	87	34	0. None
20	14	6	1. 1
4	3	1	2. 2
6	5	1	3. 3
3	3	0	4. 4

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ALL	DIESEL	NON-DSL	Var 889	NO. UNINJ. IN OTH. VEH.
3	3	0	5.	5
0	0	0	6.	6
0	0	0	7.	7+
55	44	11	8.	N/A:No oth. vehicle
2	2	0	9.	Unknown

---

Variable 890 A-INJ. IN OTHER VEH. MD1: 9 Field Width: 1  
 MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	NUMBER A-INJURED IN OTHER VEHICLE(S)
121	88	33	0. None
24	17	7	1. 1
5	4	1	2. 2
3	3	0	3. 3
1	1	0	4. 4
0	0	0	5. 5
0	0	0	6. 6
1	1	0	7. 7+
55	44	11	8. N/A:No oth. vehicle
4	3	1	9. Unknown

---

Variable 891 B-INJ. IN OTHER VEH. MD1: 9 Field Width: 1  
 MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	NUMBER B-INJURED IN OTHER VEHICLE(S)
131	97	34	0. None
16	11	5	1. 1
6	4	2	2. 2
1	1	0	3. 3
0	0	0	4. 4
1	1	0	5. 5
0	0	0	6. 6
0	0	0	7. 7+
55	44	11	8. N/A:No oth. vehicle
4	3	1	9. Unknown

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---

Variable 892 C-INJ. IN OTHER VEH. MD1: 9 Field Width: 1  
MD2: None Type: Numeric

---

ALL	DIESEL	NON-DSL	NUMBER C-INJURED IN OTHER VEHICLE(S)
129	96	33	0. None
15	10	5	1. 1
9	7	2	2. 2
0	0	0	3. 3
2	1	1	4. 4
0	0	0	5. 5
0	0	0	6. 6
0	0	0	7. 7+
55	44	11	8. N/A:No oth. vehicle
4	3	1	9. Unknown

---

Variable 893 UNKNOWN INJ. TYPE-OTHER MD1: 9 Field Width: 1  
MD2: None Type: Numeric

---

ALL	DIESEL	NON-DSL	NO. UNKNOWN INJURY TYPE-OTHER VEHICLE(S)
153	113	40	0. None
2	1	1	1. 1
2	1	1	2. 2
0	0	0	3. 3
0	0	0	4. 4
1	1	0	5. 5
0	0	0	6. 6
0	0	0	7. 7+
55	44	11	8. N/A:No oth. vehicle
1	1	0	9. Unknown

---

Variable 894 K-INJURED OTHER VEH. MD1: 9 Field Width: 1  
MD2: None Type: Numeric

---

ALL	DIESEL	NON-DSL	NUMBER KILLED IN OTHER VEHICLE(S)
44	28	16	0. None
79	59	20	1. 1
22	19	3	2. 2
6	4	2	3. 3
4	4	0	4. 4
2	2	0	5. 5
0	0	0	6. 6
1	0	1	7. 7+
56	45	11	8. N/A:No oth. vehicle
0	0	0	9. Unknown

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Variable 895 TOTAL ACCIDENT FATALS MD1: 9 Field Width: 1  
MD2: None Type: Numeric

---

ALL	DIESEL	NON-DSL	TOTAL NUMBER OF FATALITIES
149	109	40	1. 1
45	35	10	2. 2
10	8	2	3. 3
5	5	0	4. 4
2	2	0	5. 5
0	0	0	6. 6
1	0	1	7. 7
2	2	0	8. 8+
0	0	0	9. Unknown

---

Variable 896 TOTAL ACCIDENT INJURIES MD1: 9 Field Width: 1  
MD2: None Type: Numeric

---

ALL	DIESEL	NON-DSL	TOTAL NUMBER OF INJURIES
86	69	17	0. None
77	55	22	1. 1
20	16	4	2. 2
13	6	7	3. 3
8	7	1	4. 4
5	4	1	5. 5
0	0	0	6. 6
1	1	0	7. 7
3	3	0	8. 8+
1	0	1	9. Unknown

---

Variable 897 YEARS DRIVER EMPLOYED MD1: 99 Field Width: 2  
MD2: None Type: Numeric

---

Measured to closest year. (Only BMCS cases)

ALL	DIESEL	NON-DSL	YEARS DRIVER EMPLOYED
4	3	1	00. Trip lease or other non-employee
41	38	3	01. 0-12 months
9	9	0	02. 2 yrs.
			- . Yrs. employed
121	75	46	98. N/A:Not BMCS case
2	2	0	99. Unknown

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Variable 898 DRIVER AGE MD1: 99 Field Width: 2  
MD2: None Type: Numeric

---

ALL	DIESEL	NON-DSL	AGE OF DRIVER OF SAMPLE VEHICLE
0	0	0	15. 15 yrs. - . Driver age
0	0	0	99. Unknown

---

Variable 899 HOURS DRIVING MD1: 99 Field Width: 2  
MD2: 00 Type: Numeric

---

Actual hours driving to nearest hour

ALL	DIESEL	NON-DSL	HOURS DRIVING
0	0	0	00. N/A: Not Driving - . Hours driven prior to accident
43	32	11	99. Unknown

---

Variable 902 NO. K DUE TO F - SAMP MD1: 9 Field Width: 1  
MD2: None Type: Numeric

---

Number of sample vehicle deaths due to fire

ALL	DIESEL	NON-DSL	NO. K DUE TO F - SAMP
95	74	21	0. None
15	12	3	1. 1
1	1	0	2. 2
1	1	0	3. 3+
87	65	22	8. N/A: No deaths in sample vehicle
15	8	7	9. Unknown

---

Variable 903 NO. K DUE TO F+T - SAMP MD1: 9 Field Width: 1  
MD2: None Type: Numeric

---

Number of sample vehicle deaths due to fire and trauma

ALL	DIESEL	NON-DSL	NO. K DUE TO F+T - SAMP
71	59	12	0. None
33	23	10	1. 1
4	2	2	2. 2
0	0	0	3. 3+
87	65	22	8. N/A: No deaths in sample vehicle
19	12	7	9. Unknown

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Variable	904	<u>NO. K DUE TO F+E - SAMP</u>	MD1:	9	Field Width:	1
			MD2:	None	Type:	Numeric

---

Number of sample vehicle deaths due to fire and ejection

ALL	DIESEL	NON-DSL	NO. K DUE TO F+E - SAMP
96	74	22	0. None
10	8	2	1. 1
1	1	0	2. 2
0	0	0	3. 3+
87	65	22	8. N/A: No deaths in sample vehicle
20	13	7	9. Unknown

---

Variable	905	<u>NO. K DUE TO T - SAMP</u>	MD1:	9	Field Width:	1
			MD2:	None	Type:	Numeric

---

Number of sample vehicle deaths due to trauma

ALL	DIESEL	NON-DSL	NO. K DUE TO T - SAMP
91	71	20	0. None
14	10	4	1. 1
4	4	0	2. 2
0	0	0	3. 3+
87	65	22	8. N/A: No deaths in sample vehicle
18	11	7	9. Unknown

---

Variable	906	<u>NO. K DUE TO T+E - SAMP</u>	MD1:	9	Field Width:	1
			MD2:	None	Type:	Numeric

---

Number of sample vehicle deaths due to trauma and ejection

ALL	DIESEL	NON-DSL	NO. K DUE TO T+E - SAMP
90	67	23	0. None
17	16	1	1. 1
0	0	0	2. 2
0	0	0	3. 3+
87	65	22	8. N/A: No deaths in sample vehicle
20	13	7	9. Unknown

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<u>Variable</u> 907	<u>NO. K DUE TO F- OTH</u>	MD1: 9	Field Width: 1
		MD2: None	Type: Numeric

---

Number of deaths due to fire, not sample vehicle

ALL	DIESEL	NON-DSL	NO. K DUE TO F- OTH
92	75	17	0. None
			-. Number of deaths
0	0	0	7. 7+
95	68	27	8. N/A:No other vehicles or no deaths in other vehicle
16	9	7	9. Unknown

---

<u>Variable</u> 908	<u>NO. K DUE TO F+T - OTH</u>	MD1: 9	Field Width: 1
		MD2: None	Type: Numeric

---

Number of deaths due to fire and trauma, not sample vehicle

ALL	DIESEL	NON-DSL	NO. K DUE TO F+T - OTH
67	54	13	0. None
			-. Number of deaths
1	0	1	7. 7+
95	68	27	8. N/A:No other vehicles or no deaths in other vehicle
21	12	9	9. Unknown

---

<u>Variable</u> 909	<u>NO. K DUE TO F+E - OTH</u>	MD1: 9	Field Width: 1
		MD2: None	Type: Numeric

---

Number of deaths due to fire and ejection, not sample vehicle

ALL	DIESEL	NON-DSL	NO. K DUE TO F+E - OTH
103	81	22	0. None
			-. Number of deaths
0	0	0	7. 7+
95	68	27	8. N/A:No other vehicles or no deaths in other vehicle
11	7	4	9. Unknown



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Variable 910 NO. K DUE TO T - OTH MD1: 9 Field Width: 1  
MD2: None Type: Numeric

Number of deaths due to trauma, not sample vehicle

ALL	DIESEL	NON-DSL	NO. K DUE TO T - OTH
52	44	8	0. None
			-. Number of deaths
0	0	0	7. 7+
95	68	27	8. N/A:No other vehicles or no deaths in other vehicle
24	14	10	9. Unknown

---

Variable 911 NO. K DUE TO T+E - OTH MD1: 9 Field Width: 1  
MD2: None Type: Numeric

Number of deaths due to trauma and ejection, not sample vehicle

ALL	DIESEL	NON-DSL	NO. K DUE TO T+E - OTH
88	72	16	0. None
			-. Number of deaths
0	0	0	7. 7+
95	68	27	8. N/A:No other vehicles or no deaths in other vehicle
14	9	5	9. Unknown

---

Variable 912 FIRE INJURED-SAMP. VEH. MD1: 9 Field Width: 1  
MD2: None Type: Numeric

Number of occupants injured by fire, sample vehicle

ALL	DIESEL	NON-DSL	FIRE INJURED-SAMP. VEH.
173	134	39	0. None
			-. Number of fire injured
31	19	12	9. Unknown

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Variable 913	FIRE INJ-NOT SAMP. VEH.	MD1: 9	Field Width: 1
		MD2: None	Type: Numeric

Number injured by fire, not sample vehicle

ALL	DIESEL	NON-DSL	FIRE INJ-NOT SAMP. VEH.
125	96	29	0. None
4	4	0	1. 1
2	1	1	2. 2
0	0	0	3. 3
1	1	0	4. 4
0	0	0	5. 5
0	0	0	6. 6
0	0	0	7. 7+
55	42	13	8. N/A (Sample vehicle only)
27	17	10	9. Unknown

Variable 915	MANNER OF COLLISION/1ST	MD1: 9	Field Width: 1
		MD2: None	Type: Numeric

Manner of collision in first harmful event

ALL	DIESEL	NON-DSL	MANNER OF COLLISION/1ST
68	53	15	0. Not a collision with a veh. in transport
40	33	7	1. Rear-end
48	37	11	2. Head-on
0	0	0	3. Rear-to-rear
38	26	12	4. Direct-to-side
10	5	5	5. Sideswipe - same direction
9	7	2	6. Sideswipe - opposite direction
1	0	1	7. Other
0	0	0	9. Unknown

Variable 916	MANNER OF COLLISION/2ND	MD1: 9	Field Width: 1
		MD2: None	Type: Numeric

Manner of collision in second harmful event

ALL	DIESEL	NON-DSL	MANNER OF COLLISION/2ND
185	141	44	0. Not a collision with a veh. in transport
4	2	2	1. Rear-end
6	4	2	2. Head-on
0	0	0	3. Rear-to-rear
7	4	3	4. Direct-to-side

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ALL	DIESEL	NON-DSL	Var 916	MANNER OF COLLISION/2ND
3	3	0		5. Sideswipe - same direction
4	4	0		6. Sideswipe - opposite direction
1	1	0		7. Other
4	2	2		8. N/A: No second event
0	0	0		9. Unknown

---

Variable 917 MANNER OF COLLISION/3RD MD1: 9 Field Width: 1  
MD2: None Type: Numeric

Manner of collision in third harmful event

ALL	DIESEL	NON-DSL	MANNER OF COLLISION/3RD
107	88	19	0. Not a collision with a veh. in transport
2	2	0	1. Rear-end
1	1	0	2. Head-on
0	0	0	3. Rear-to-rear
2	2	0	4. Direct-to-side
2	2	0	5. Sideswipe - same direction
1	1	0	6. Sideswipe - opposite direction
0	0	0	7. Other
99	65	34	8. N/A: No 3rd event
0	0	0	9. Unknown

---

Variable 918 MANNER OF COLLISION/4TH MD1: 9 Field Width: 1  
MD2: None Type: Numeric

Manner of collision in fourth harmful event

ALL	DIESEL	NON-DSL	MANNER OF COLLISION/4TH
42	35	7	0. Not a collision with a veh. in transport
0	0	0	1. Rear-end
1	1	0	2. Head-on
0	0	0	3. Rear-to-rear
0	0	0	4. Direct-to-side
0	0	0	5. Sideswipe - same direction
1	1	0	6. Sideswipe - opposite direction
1	1	0	7. Other
169	123	46	8. N/A: No 4th event
0	0	0	9. Unknown

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Variable	<u>919 MANNER OF COLLISION/5TH</u>	MD1:	9	Field Width:	1
		MD2:	None	Type:	Numeric

---

Manner of collision in fifth harmful event

ALL	DIESEL	NON-DSL	MANNER OF COLLISION/5TH
13	12	1	0. Not a collision with a veh. in transport
1	1	0	1. Rear-end
1	1	0	2. Head-on
0	0	0	3. Rear-to-rear
0	0	0	4. Direct-to-side
0	0	0	5. Sideswipe - same direction
0	0	0	6. Sideswipe - opposite direction
0	0	0	7. Other
199	147	52	8. N/A: No 5th event
0	0	0	9. Unknown

---

Variable	<u>920 QUESTION 53</u>	MD1:	9	Field Width:	1
		MD2:	None	Type:	Numeric

---

Truck fuel system failure and fire related injury/death (any vehicle): If fuel had not spilled/leaked, would there still have been a fire?

ALL	DIESEL	NON-DSL	QUESTION 53
91	78	13	0. N/A - No spill or fire related injury/death
19	19	0	1. Yes
16	14	2	2. No
3	0	3	8. Do not know
85	50	35	9. Unknown whether circumstances apply

---

Variable	<u>921 QUESTION 54</u>	MD1:	9	Field Width:	1
		MD2:	None	Type:	Numeric

---

Fire w/o fuel: Would there still have been injury or death from fire?

ALL	DIESEL	NON-DSL	QUESTION 54
91	78	13	0. N/A - No fire w/o spill
16	16	0	1. Yes
19	15	4	2. No
2	1	1	8. Do not know
86	51	35	9. Unknown whether circumstances apply

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Variable 922 QUESTION 55 MD1: 9 Field Width: 1  
 MD2: None Type: Numeric

---

No seatbelts used - collision and fire INJURY: would use of seatbelts have reduced collision injury and allowed victim to escape fire injury?

ALL	DIESEL	NON-DSL	QUESTION 55
172	135	37	0. N/A - circumstances do not apply
1	1	0	1. Yes
2	2	0	2. No
1	1	0	8. Do not know
38	22	16	9. Unknown whether circumstances apply

---

Variable 923 QUESTION 56 MD1: 9 Field Width: 1  
 MD2: None Type: Numeric

---

No seatbelts used - collision and fire FATALITY: Would use of seat belts have reduced collision injury and allowed victim to escape death from fire?

ALL	DIESEL	NON-DSL	QUESTION 56
130	103	27	0. N/A - circumstances do not apply
5	4	1	1. Yes
14	13	1	2. No
6	5	1	8. Do not know
59	36	23	9. Unknown whether circumstances apply

---

Variable 924 QUESTION 57 MD1: 9 Field Width: 1  
 MD2: None Type: Numeric

---

Entrapment - fire injury/fatality: Had victim not been trapped could he have escaped fire?

ALL	DIESEL	NON-DSL	QUESTION 57
139	113	26	0. N/A - circumstances do not apply
7	6	1	1. Yes
4	4	0	2. No
4	3	1	8. Do not know
60	35	25	9. Unknown whether circumstances apply

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Variable 925 SAMPLE VEH. ACTION MD1: 99 Field Width: 2  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	SAMPLE VEHICLE ACTION:COLLISION W/ OTHER V
3	2	1	01. Slow/stopping
4	1	3	02. Stopped
0	0	0	03. Parked
25	23	2	04. Rear-end
0	0	0	05. Backing
1	0	1	06. Making right turn
2	0	2	07. Making left turn
0	0	0	08. Making U-turn
75	61	14	09. Proceeding straight
0	0	0	10. Merging
0	0	0	11. Entering traffic
14	8	6	12. Intersection
5	3	2	13. Passing
4	3	1	14. Changing lanes
2	2	0	15. Sideswipe-opposite direction
11	5	6	16. Head-on-crossed into opposing lane
1	1	0	17. Skidding
6	4	2	18. Vehicle out of control
0	0	0	19. Roll-away
4	3	1	20. Controlled railroad crossing
0	0	0	21. Uncontrolled railroad crossing
1	1	0	22. Other
56	44	12	98. Not Applicable (Non-collision)
0	0	0	99. Unknown

Variable 926 VEH. #2 ACTION MD1: 99 Field Width: 2  
MD2: None Type: Numeric

ALL	DIESEL	NON-DSL	VEHICLE ACTION:1ST OTHER VEHICLE IMPACTED
11	10	1	01. Slow/stopping
18	14	4	02. Stopped
1	1	0	03. Parked
5	2	3	04. Rear-end
1	1	0	05. Backing
2	2	0	06. Making right turn
7	5	2	07. Making left turn
1	1	0	08. Making U-turn
42	25	17	09. Proceeding straight
0	0	0	10. Merging
0	0	0	11. Entering traffic
10	6	4	12. Intersection
6	5	1	13. Passing
1	1	0	14. Changing lanes
3	2	1	15. Sideswipe-opposite direction
31	27	4	16. Head-on-crossed into opposing lane

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ALL	DIESEL	NON-DSL	Var 926 VEH. #2 ACTION
0	0	0	17. Skidding
11	10	1	18. Vehicle out of control
0	0	0	19. Roll-away
1	1	0	20. Controlled railroad crossing
1	0	1	21. Uncontrolled railroad crossing
4	2	2	22. Other
58	46	12	98. Not Applicable (Non-collision)
0	0	0	99. Unknown

---

Variable 927 VEH. #3 ACTION MD1: 99 Field Width: 2  
 MD2: None Type: Numeric

---

ALL	DIESEL	NON-DSL	VEHICLE ACTION:2ND OTHER VEHICLE IMPACTED
1	1	0	01. Slow/stopping
6	6	0	02. Stopped
0	0	0	03. Parked
2	1	1	04. Rear-end
0	0	0	05. Backing
1	1	0	06. Making right turn
0	0	0	07. Making left turn
0	0	0	08. Making U-turn
9	8	1	09. Proceeding straight
0	0	0	10. Merging
0	0	0	11. Entering traffic
0	0	0	12. Intersection
1	0	1	13. Passing
0	0	0	14. Changing lanes
0	0	0	15. Sideswipe-opposite direction
0	0	0	16. Head-on-crossed into opposing lane
0	0	0	17. Skidding
0	0	0	18. Vehicle out of control
0	0	0	19. Roll-away
0	0	0	20. Controlled railroad crossing
0	0	0	21. Uncontrolled railroad crossing
0	0	0	22. Other
194	144	50	98. Not Applicable (Non-collision)
0	0	0	99. Unknown

---

Variable 928 MONTH MD1: 99 Field Width: 2  
 MD2: None Type: Numeric

---

ALL	DIESEL	NON-DSL	MONTH
15	13	2	01. January
11	9	2	02. Febuary
20	15	5	03. March

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ALL	DIESEL	NON-DSL	Var 928 MONTH
21	19	2	04. April
16	14	2	05. May
25	19	6	06. June
18	11	7	07. July
18	11	7	08. August
18	16	2	09. September
19	12	7	10. October
18	11	7	11. November
15	11	4	12. December
0	0	0	99. Unknown

---

Variable 929	DAY OF MONTH	MD1: 99	Field Width: 2
		MD2: None	Type: Numeric

---

ALL	DIESEL	NON-DSL	DAY OF MONTH
6	4	2	01. 1st day of month - . day of month
7	4	3	30.
4	3	1	31.
0	0	0	99. Unknown