

TRUCKS INVOLVED IN FATAL ACCIDENTS FACTBOOK 2005

Anne Matteson

Linda Jarossi

John Woodrooffe

February 2008

Center for National Truck and Bus Statistics

The University of Michigan
Transportation Research Institute
Ann Arbor, Michigan 48109-2150

The research reported herein was conducted under the general research funds provided by the Federal Motor Carrier Safety Administration. The opinions, findings, and conclusions expressed in this publication are those of the authors and not necessarily those of the U.S. Department of Transportation or the Federal Motor Carrier Safety Administration.

1. Report No. UMTRI-2008-08		2. Government Accession No.		3. Recipient's Catalog No.	
4. Title and Subtitle Trucks Involved in Fatal Accidents Factbook 2005				5. Report Date February 2008	
				6. Performing Organization Code	
7. Authors Anne Matteson, Linda Jarossi, John Woodrooffe				8. Performing Organization Report No. UMTRI-2008-08	
9. Performing Organization Name and Address Transportation Research Institute 2901 Baxter Road University of Michigan Ann Arbor, Michigan 48109-2150				10. Work Unit No. 052703	
				11. Contract or Grant No. DTMC75-06-H-00003	
12. Sponsoring Agency Name and Address				13. Type of Report and Period Covered Special report	
				14. Sponsoring Agency Code	
15. Supplementary Notes Funds provided by: Federal Motor Carrier Safety Administration Washington DC 20590					
16. Abstract <p>This document presents aggregate statistics on trucks involved in traffic accidents in 2005. The statistics are derived from the Trucks Involved in Fatal Accidents (TIFA) file, compiled by the University of Michigan Transportation Research Institute. The TIFA database provides coverage of all medium and heavy trucks recorded in the Fatality Analysis Reporting System (FARS) file. TIFA combines vehicle, accident, and occupant records from FARS with information about the physical configuration and operating authority of the truck from the TIFA survey.</p>					
17. Key Words Trucks, medium trucks, heavy trucks, accident statistics, fatal accident data				18. Distribution Statement Unlimited	
19. Security Classification (of this report) Unclassified		20. Security Classification (of this page) Unclassified		21. No. of Pages 104	22. Price

Reproduction of completed page authorized

SI* (MODERN METRIC) CONVERSION FACTORS

APPROXIMATE CONVERSIONS TO SI UNITS					APPROXIMATE CONVERSIONS FROM SI UNITS				
Symbol	When You Know	Multiply By	To Find	Symbol	Symbol	When You Know	Multiply By	To Find	Symbol
LENGTH					LENGTH				
	inches	25.4	millimeters	mm	mm	millimeters	0.039	inches	in
in					m	meters	3.28	feet	ft
ft	feet	0.305	meters	m	m	meters	1.09	yards	yd
yd	yards	0.914	meters	m	km	kilometers	0.621	miles	mi
mi	miles	1.61	kilometers	km					
AREA					AREA				
in ²	square inches	645.2	square millimeters	mm ²	mm ²	square millimeters	0.0016	square inches	in ²
ft ²	square feet	0.093	square meters	m ²	m ²	square meters	10.764	square feet	ft ²
yd ²	square yards	0.836	square meters	m ²	ha	hectares	2.47	acres	ac
ac	acres	0.405	hectares	ha	km ²	square kilometers	0.386	square miles	mi ²
mi ²	square miles	2.59	square kilometers	km ²					
VOLUME					VOLUME				
fl oz	fluid ounces	29.57	milliliters	mL	mL	milliliters	0.034	fluid ounces	fl oz
gal	gallons	3.785	liters	L	L	liters	0.264	gallons	gal
ft ³	cubic feet	0.028	cubic meters	m ³	m ³	cubic meters	35.71	cubic feet	ft ³
yd ³	cubic yards	0.765	cubic meters	m ³	m ³	cubic meters	1.307	cubic yards	yd ³
NOTE: Volumes greater than 1000 L shall be shown in m ³ .									
MASS					MASS				
oz	ounces	28.35	grams	g	g	grams	0.035	ounces	oz
lb	pounds	0.454	kilograms	kg	kg	kilograms	2.202	pounds	lb
T	short tons (2000 lb)	0.907	megagrams (or "metric ton")	Mg (or "t")	Mg (or "t")	megagrams (or "metric ton")	1.103	short tons (2000 lb)	T
TEMPERATURE (exact)					TEMPERATURE (exact)				
°F	Fahrenheit temperature	5(F-32)/9 or (F-32)/1.8	Celcius temperature	°C	°C	Celcius temperature	1.8C + 32	Fahrenheit temperature	°F
ILLUMINATION					ILLUMINATION				
fc	foot-candles	10.76	lux	lx	lx	lux	0.0929	foot-candles	fc
fl	foot-Lamberts	3.426	candela/m ²	cd/m ²	cd/m ²	candela/m ²	0.2919	foot-lamberts	fl
FORCE and PRESSURE or STRESS					FORCE and PRESSURE or STRESS				
lbf	poundforce	4.45	newtons	N	N	newtons	0.225	poundforce	lbf
lbf/in ²	poundforce per square inch	6.89	kilopascals	kPa	kPa	kilopascals	0.145	poundforce per square inch	lbf/in ²

* SI is the symbol for the International System of Units. Appropriate rounding should be made to comply with Section 4 of ASTM E380.

(Revised September 1993)

Acknowledgments

The data documented in this report are the product of the dedicated efforts of many people. The project originated under the direction of Ken Campbell. Daniel Blower directs the current project. Leslie Pettis, Daniel Hershberger, Robert Allen, Robert Pichler, and many interviewers made the accuracy of the data a matter of personal pride. The project would not have been possible without the willing cooperation of thousands of truck owners, operators, and police officers across the country.

The TIFA Survey is conducted by the Center for National Truck and Bus Statistics at the University of Michigan Transportation Research Institute with support from the Federal Motor Carrier Safety Administration. The National Highway Traffic Safety Administration's National Center for Statistics and Analysis and FARS analysts in the states provided assistance in acquiring police reports from the respective states. We are sincerely grateful for their efforts.

Table of contents

Figures	ix
Tables	xi
Introduction	1
Report overview	1
Trends, 2001-2005	3
Annual fatal involvements	5
Annual fatalities	11
Accident conditions	13
Geographic distributions.....	15
Temporal distributions	18
Environmental distributions	20
Roadway distributions	22
Accident description	25
Vehicle	29
Driver	41
Straight trucks	57
Configuration	59
Vehicle use	62
Accident description	64
Tractors	67
Configuration	69
Vehicle use	75
Accident description	77
Glossary and abbreviations	81
Table of Abbreviations.....	86

Index..... 86

Figures

Figure 1-1 Fatal Truck Involvements by Year and Truck Configuration..... 5

Figure 1-2 Fatalities in Truck Involvements by Year and Person Type..... 11

Figure 2-1: Fatal Truck Involvements by State 15

Figure 2-2: Fatal Truck Involvements by State – Straight Trucks Only..... 15

Figure 2-3: Fatal Truck Involvements by State – Tractor-Semitrailers Only 16

Figure 2-4: Fatal Truck Involvements by State – Doubles Only..... 16

Figure 3-1 Fatal Truck Involvements by Cab Style and Year 34

Figure 3-2 Fatal Truck Involvements by Power Unit Type and Model Year..... 34

Figure 3-3 Fatal Truck Involvements by Rollover Status and Year..... 39

Figure 4-1 Fatal Truck Involvements by Driver Compensation and Truck Configuration..... 54

Figure 4-2 Fatal Truck Involvements by Driver Compensation and Operating Authority 55

Tables

Trends, 2001-2005

Table 1-1 Fatal Truck Involvements by Year and Truck Configuration	5
Table 1-2 Fatal Truck Involvements by Year and All Truck Configurations	6
Table 1-3: Fatal Truck Involvements by Year and State	7
Table 1-4: Fatal Truck Involvements by Year and State – Straight Trucks Only	8
Table 1-5: Fatal Truck Involvements by Year and State – Tractor-Semitrailers Only	9
Table 1-6: Fatal Truck Involvements by Year and State – Doubles Only	10
Table 1-7 Fatalities in Truck Involvements by Year and Person Type.....	11

Accident conditions

Table 2-1: Fatal Truck Involvements by State and Truck Configuration	17
Table 2-2 Fatal Truck Involvements by Month and Truck Configuration.....	18
Table 2-3 Fatal Truck Involvements by Day of Week and Truck Configuration	18
Table 2-4 Fatal Truck Involvements by Day Type and Truck Configuration	18
Table 2-5 Fatal Truck Involvements by Time of Accident and Truck Configuration.....	19
Table 2-6 Fatal Truck Involvements by Time of Accident and Day Type.....	20
Table 2-7 Fatal Truck Involvements by Land Use and Truck Configuration	20
Table 2-8 Fatal Truck Involvements by Light Condition and Truck Configuration.....	21
Table 2-9 Fatal Truck Involvements by Roadway Surface Condition and Truck Configuration ..	21
Table 2-10 Fatal Truck Involvements by Weather Condition and Truck Configuration.....	21
Table 2-11 Fatal Truck Involvements by Roadway Function Class and Truck Configuration.....	22
Table 2-12 Fatal Truck Involvements by Route Signing and Truck Configuration	22
Table 2-13 Fatal Truck Involvements by Relation to Junction and Truck Configuration.....	23

Table 2-14 Fatal Truck Involvements by Number of Travel Lanes and Truck Configuration	23
Table 2-15 Fatal Truck Involvements by Trafficway Flow and Truck Configuration.....	24
Table 2-16 Fatal Truck Involvements by Speed Limit and Truck Configuration.....	24
Table 2-17 Fatal Truck Involvements by Accident Type and Truck Configuration.....	25
Table 2-18 Fatal Truck Involvements by First Harmful Event and Truck Configuration.....	26
Table 2-19 Fatal Truck Involvements by Vehicle Role in Accident and Truck Configuration.....	27
Table 2-20 Fatal Truck Involvements by Manner of Collision and Truck Configuration.....	27
Table 2-21 Fatal Truck Involvements by Rollover Status and Truck Configuration	27
Table 2-22 Fatal Truck Involvements by Jackknife Status and Truck Configuration	28
Table 2-23 Fatal Truck Involvements by Fire Occurrence and Truck Configuration.....	28
Table 2-24 Fatal Truck Involvements by Cargo Spillage and Truck Configuration.....	28

Vehicle

Table 3-1 Fatal Truck Involvements by Truck Configuration	31
Table 3-2 Fatal Truck Involvements by Cargo Body Style and Truck Configuration.....	32
Table 3-3 Fatal Truck Involvements by Type of Cargo and Truck Configuration.....	32
Table 3-4 Fatal Truck Involvements by Cab Style and Truck Configuration.....	33
Table 3-5 Fatal Truck Involvements by Cab Style and Power Unit Model Year	33
Table 3-6 Fatal Truck Involvements by Power Unit Model Year and Truck Configuration.....	35
Table 3-7 Fatal Truck Involvements by Gross Vehicle Weight Rating and Truck Configuration.	36
Table 3-8 Fatal Truck Involvements by Gross Combination Weight Rating and Truck Configuration	36
Table 3-9 Fatal Truck Involvements by Carrier Type and Truck Configuration.....	36
Table 3-10 Fatal Truck Involvements by Trip Type and Truck Configuration	37
Table 3-11 Fatal Truck Involvements by Presence of Advanced Safety and Security Systems and Truck Configuration	37

Table 3-12 Fatal Truck Involvements by Presence of Hazardous Materials Placard and Truck Configuration	37
Table 3-13 Fatal Truck Involvements by Presence of Hazardous Materials Class and Truck Configuration	38
Table 3-14 Fatal Truck Involvements by Rollover Status and Cargo Body Style – Straight Trucks Only	38
Table 3-15 Fatal Truck Involvements by Rollover Status and Cargo Body Style – Straight/ 1 Trailer.....	38
Table 3-16 Fatal Truck Involvements by Rollover Status – Bobtails.....	38
Table 3-17 Fatal Truck Involvements by Rollover Status and Cargo Body Style – Tractor/ 1 Trailer.....	39
Table 3-18 Fatal Truck Involvements by Rollover Status and Cargo Body Style – Tractor/ 2 Trailers.....	39

Driver

Table 4-1 Fatal Truck Involvements by Driver Drinking Status and Truck Configuration.....	43
Table 4-2 Fatal Truck Involvements by Driver Drug Use and Truck Configuration.....	43
Table 4-3 Fatal Truck Involvements by Driver Age and Truck Configuration	43
Table 4-4 Fatal Truck Involvements by Driver Sex and Truck Configuration.....	44
Table 4-5 Fatal Truck Involvements by Driver Restraint Use and Truck Configuration	44
Table 4-6 Fatal Truck Involvements by Driver Injury Severity and Truck Configuration	44
Table 4-7 Fatal Truck Involvements by Driver Injury Severity and Rollover, Fire, Ejection Status	45
Table 4-8 Fatal Truck Involvements by Driver Extrication and Truck Configuration	45
Table 4-9 Fatal Truck Involvements by Reported Hours Driven and Truck Configuration.....	45
Table 4-10 Fatal Truck Involvements by Reported Hours Driven and Trip Type	46
Table 4-11 Fatal Truck Involvements by Reported Hours Driven and Operating Authority	46
Table 4-12 Fatal Truck Involvements by Reported Hours Driven and Area of Operation.....	47
Table 4-13 Fatal Truck Involvements by Reported Hours Driven and Area of Operation – Straight Trucks Only	47

Table 4-14 Fatal Truck Involvements by Reported Hours Driven and Area of Operation – Tractors Only	48
Table 4-15 Fatal Truck Involvements by Number of Previous Accidents and Truck Configuration	48
Table 4-16 Fatal Truck Involvements by Number of Previous Suspensions and Truck Configuration	49
Table 4-17 Fatal Truck Involvements by Number of Previous Speeding Convictions and Truck Configuration	49
Table 4-18 Fatal Truck Involvements by Previous Other Moving Convictions and Truck Configuration	50
Table 4-19 Fatal Truck Involvements by License Class Compliance and Truck Configuration	50
Table 4-20 Fatal Truck Involvements by CDL License Status and Truck Configuration.....	50
Table 4-21 Fatal Truck Involvements by License Endorsements and Truck Configuration	51
Table 4-22 Fatal Truck Involvements by Driver-Related Factors and Truck Configuration	52
Table 4-23 Fatal Truck Involvements by Driver Compensation and Truck Configuration.....	54
Table 4-24 Fatal Truck Involvements by Driver Compensation and Operating Authority	54
Straight trucks	
Table 5-1 Fatal Truck Involvements by Truck Configuration	59
Table 5-2 Fatal Truck Involvements by Cargo Body Style – Straight Trucks.....	59
Table 5-3 Fatal Truck Involvements by Gross Vehicle Weight Rating and Cargo Body Style – Straight Trucks.....	60
Table 5-4 Fatal Truck Involvements by Cargo Type and Cargo Body Style – Straight Trucks ...	60
Table 5-5 Fatal Truck Involvements by Axle Combinations – Straight Truck Configurations	62
Table 5-6 Fatal Truck Involvements by Carrier Type and Cargo Body Style – Straight Trucks..	62
Table 5-7 Fatal Truck Involvements by Trip Type and Cargo Body Style – Straight Trucks.....	63
Table 5-8 Fatal Truck Involvements by Route Signing and Cargo Body Style – Straight Trucks	63
Table 5-9 Fatal Truck Involvements by Land Use and Cargo Body Style – Straight Trucks	63

Table 5-10 Fatal Truck Involvements by Light Condition and Cargo Body Style – Straight Trucks	64
Table 5-11 Fatal Truck Involvements by Accident Type and Driver Injury Severity – Straight Trucks	64
Table 5-12 Fatal Truck Involvements by Manner of Collision and Cargo Body Style – Straight Trucks	65
Table 5-13 Fatal Truck Involvements by Driver Injury Severity and Cargo Body Style – Straight Trucks	65
Table 5-14 Fatal Truck Involvements by Driver Injury Severity and Rollover, Fire, Ejection Status – Straight Trucks.....	65

Tractors

Table 6-1 Fatal Truck Involvements by Tractor Configuration	69
Table 6-2 Fatal Truck Involvements by Cargo Body Style and Truck Configuration – Tractor Combinations.....	70
Table 6-3 Fatal Truck Involvements by Cargo Type and Truck Configuration – Tractor Combinations.....	71
Table 6-4 Fatal Truck Involvements by Cargo Type and Cargo Body Style – Tractor Combinations.....	72
Table 6-5 Fatal Truck Involvements by Cargo Type and Cargo Body Style Groups – Tractor Combinations.....	73
Table 6-6 Fatal Truck Involvements by Gross Vehicle Weight Rating and Truck Configuration – Tractor Combinations	73
Table 6-7 Fatal Truck Involvements by Gross Vehicle Weight Rating and Cargo Body Style – Tractor Combinations	74
Table 6-8A Fatal Truck Involvements by Axle Combinations – Tractors, No Trailers.....	74
Table 6-8B Fatal Truck Involvements by Axle Combinations – Tractor-Semitrailers	74
Table 6-8C Fatal Truck Involvements by Axle Combinations – Doubles	75
Table 6-9 Fatal Truck Involvements by Carrier Type and Truck Configuration – Tractor Combinations.....	75
Table 6-10 Fatal Truck Involvements by Carrier Type and Cargo Body Style – Tractor Combinations.....	76

Table 6-11 Fatal Truck Involvements by Trip Type and Cargo Body Style – Tractor Combinations.....	76
Table 6-12 Fatal Truck Involvements by Route Signing and Cargo Body Style – Tractor Combinations.....	76
Table 6-13 Fatal Truck Involvements by Land Use and Cargo Body Style – Tractor Combinations.....	77
Table 6-14 Fatal Truck Involvements by Light Condition and Cargo Body Style – Tractor Combinations.....	77
Table 6-15 Fatal Truck Involvements by Manner of Collision and Cargo Body Style – Tractor Combinations.....	77
Table 6-16 Fatal Truck Involvements by Accident Type and Driver Injury Severity – Tractor Combinations.....	78
Table 6-17 Fatal Truck Involvements by Driver Injury Severity and Cargo Body Style – Tractor Combinations.....	78
Table 6-18 Fatal Truck Involvements by Driver Injury Severity and Rollover, Fire, Ejection Status – Tractor Combinations	79

Introduction

This report, *Trucks Involved in Fatal Accidents Factbook, 2005*, provides descriptive statistics about medium and heavy trucks involved in fatal accidents. The data come from the Trucks Involved in Fatal Accidents (TIFA) survey program of the Center for National Truck and Bus Statistics (CNTBS) at the University of Michigan Transportation Research Institute (UMTRI). All records in the TIFA file are for trucks with a Gross Vehicle Weight Rating (GVWR) over 10,000 pounds.

The TIFA file is produced annually from a survey of truck records extracted from the Fatality Analysis Reporting System (FARS) file, compiled by the National Center for Statistics and Analysis at the National Highway Traffic Safety Administration. Accident, vehicle, and driver records that appear to involve a medium or heavy truck are selected from the FARS file. Police reports for each accident represented are requested from the appropriate states. The 2005 TIFA file is a census file, meaning there is one record for each of the 5,343 medium and heavy trucks involved in a fatal accident that year.

Trained and experienced interviewers contact individuals knowledgeable about the truck, including drivers, safety officers, police officers, emergency personnel, and witnesses. The interviewers verify that the vehicle is a truck and then collect information about the truck, truck driver, and the motor carrier that operated the truck. The interview produces a detailed description of the physical configuration of the truck, the operating authority of the truck, and the trip the truck was on at the time of the accident. Editors review each case to ensure accuracy and consistency.

The TIFA file combines the detailed physical description of the vehicle from the TIFA survey with matching accident, driver, and vehicle data from the FARS file. Almost all variables in FARS describing the accident, vehicle, and driver are included in the TIFA file. No FARS data is altered or corrected. The TIFA variables supplement the FARS data with extensive detail on the truck, including cab style; axle counts for each unit in the truck configuration; cargo body and cargo type for each unit; truck operating authority; type of trip; hours driving; and the truck's role in the accident. The methodology, as well as a complete list of variables and data in the TIFA survey, is fully documented in *Trucks Involved in Fatal Accidents Codebook, 2005*.

Report overview

This report consists of six sections. The "Trends" section provides data on fatalities and fatal accident involvements from 2001 through 2005. The "Accident conditions" section provides information about the accidents the trucks were involved in, including distributions of truck fatal involvements across states, and information about the weather, road type, and roadway condition at the time of the accident. The "Vehicle" section includes information

about truck configuration, cargo body type and cargo carried, and axle counts of the trucks. The "Driver" section includes information about truck driver injury, licensing, type of compensation, previous driving record, age, sex, and other driver characteristics. The "Straight trucks" section focuses on the characteristics of straight trucks, providing more detail about truck configuration, accident environment, and the truck's role in the accident. Finally, the "Tractors" section provides similar data on tractor combinations involved in fatal accidents

Virtually all tables present counts of involvements; that is, counts of the trucks involved in a fatal accident by various factors and conditions of interest.

Trends, 2001-2005

This section contains tables displaying trends in truck involvements in fatal traffic accidents and in the number of persons killed in those accidents. The trends are presented by truck configuration, state, and person type. The truck configurations include straight trucks with no trailers, straight trucks pulling a single trailer, bobtails (tractors with no trailers), tractors with one semitrailer, tractors with two trailers (doubles), and all other truck configurations. The “other combinations” includes both straight truck and tractor configurations that do not fit into any of the previous categories.

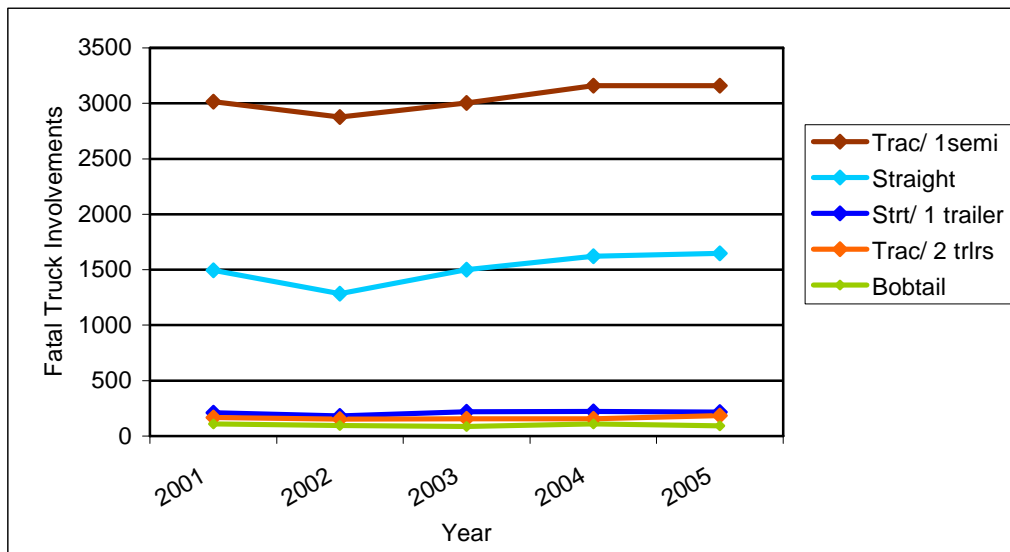
- An average of about 5,200 trucks are involved in a fatal traffic accident each year.
- Tractors pulling one semitrailer are the most common truck configuration involved, accounting for about 60% of all trucks involved in a fatal accident.
- Texas, California, and Florida had the greatest number of truck involvements over the period 2001 to 2005.
- The number of persons killed in accidents involving a truck decreased slightly from 5,663 in 2004 to 5,623 in 2005.
- The number of truck drivers killed in traffic accidents increased from 664 in 2002 to 778 in 2005.
- An average of 368 pedestrians and 76 bicyclists are killed each year in traffic accidents involving trucks.

Annual fatal involvements

Table 1-1
Fatal Truck Involvements by Year and Truck Configuration

Accident year	Strt truck	Strt/1 trailer	Bobtail	Trac/1 semi	Trac/2 trlrs	Other combs	Unk.	Total
	No.	No.	No.	No.	No.	No.	No.	No.
2001	1494	211	110	3014	166	41	105	5141
2002	1284	183	95	2877	154	36	321	4950
2003	1499	218	87	3005	157	38	100	5104
2004	1622	221	111	3160	156	33	10	5313
2005	1647	215	93	3159	185	32	12	5343
Total	7546	1048	496	15215	818	180	548	25851

Figure 1-1
Fatal Truck Involvements by Year and Truck Configuration



**Table 1-2
Fatal Truck Involvements by Year and All Truck Configurations**

Configuration	2001	2002	2003	2004	2005	Total
	No.	No.	No.	No.	No.	No.
Straight only	1494	1284	1499	1622	1647	7546
Straight + full trailer	56	44	37	41	38	216
Straight + other	109	97	122	138	129	595
Straight + other, gooseneck hitch	46	42	59	42	48	237
Wrecker + tow	15	11	19	11	11	67
Straight, unknown if trailer	9	2	4	11	5	31
Straight + other trailer + other trailer	1	0	0	0	0	1
Straight + 2 full trailers	1	1	0	0	1	3
Straight + other (gooseneck) + other	1	0	0	1	0	2
Bobtail tractor	101	87	83	98	90	459
Tractor carrying cargo	9	8	4	13	3	37
Tractor and semitrailer	3014	2877	3005	3160	3159	15215
Tractor + other	13	12	8	5	11	49
Tractor + semi + A dolly	0	0	1	0	0	1
Tractor + full trailer	0	0	1	0	0	1
Double with A dolly	82	75	99	81	124	461
Double, B train	3	6	3	2	1	15
Double with C dolly	0	0	0	4	0	4
Double with unknown dolly type	6	1	2	7	6	22
Tractor + semi + full	70	72	51	58	53	304
Tractor + semi + other	3	0	0	1	0	4
Tractor + semi + unknown	2	0	2	3	1	8
Triple with A dollies	0	1	1	0	3	5
Tractor + 3 trailers	1	0	0	0	0	1
Tractor + jeep + semi + jeep	0	1	1	1	0	3
Tractor + semi + jeep	0	1	1	1	0	3
Tractor + jeep + semi	0	3	0	2	0	5
Tractor + 1 saddlemount tractor	0	2	0	0	0	2
Tractor + 2 saddlemount tractors	0	2	1	1	0	4
Tractor + 3 saddlemount tractors	0	0	0	0	1	1
Straight + 2 saddlemount straights	0	0	1	0	0	1
Unknown	105	321	100	10	12	548
Total	5141	4950	5104	5313	5343	25851

Table 1-3: Fatal Truck Involvements by Year and State

State	2001	2002	2003	2004	2005	Total
	No.	No.	No.	No.	No.	No.
Alabama	153	128	155	150	125	711
Alaska	9	5	5	15	4	38
Arizona	90	96	112	111	95	504
Arkansas	109	85	106	99	142	541
California	381	374	360	405	385	1905
Colorado	94	60	63	78	71	366
Connecticut	27	17	25	30	20	119
Delaware	12	19	17	19	8	75
Dist of Columbia	1	1	0	6	3	11
Florida	357	390	380	399	431	1957
Georgia	243	214	228	256	253	1194
Hawaii	9	4	5	7	5	30
Idaho	32	32	38	32	32	166
Illinois	188	172	192	163	203	918
Indiana	144	131	174	175	146	770
Iowa	80	76	66	64	71	357
Kansas	83	80	79	86	77	405
Kentucky	102	121	130	132	120	605
Louisiana	140	107	121	108	138	614
Maine	28	26	16	19	18	107
Maryland	79	66	69	82	66	362
Massachusetts	31	25	37	40	27	160
Michigan	130	136	121	126	115	628
Minnesota	62	86	68	69	62	347
Mississippi	93	78	81	90	92	434
Missouri	138	167	161	159	169	794
Montana	30	30	26	18	24	128
Nebraska	63	61	55	43	53	275
Nevada	44	39	42	33	53	211
New Hampshire	14	18	14	13	13	72
New Jersey	76	55	68	99	115	413
New Mexico	56	60	44	66	63	289
New York	144	143	156	141	147	731
North Carolina	196	177	175	194	213	955
North Dakota	12	18	15	17	12	74
Ohio	168	194	158	191	180	891
Oklahoma	92	126	126	120	128	592
Oregon	54	47	56	55	64	276
Pennsylvania	176	192	221	220	203	1012
Rhode Island	6	5	7	4	1	23
South Carolina	120	101	100	108	131	560
South Dakota	24	16	17	20	16	93
Tennessee	137	136	123	151	149	696
Texas	509	445	507	482	512	2455
Utah	34	40	23	29	32	158
Vermont	6	11	13	14	9	53
Virginia	128	90	132	110	125	585
Washington	58	57	42	55	60	272
West Virginia	52	59	55	63	50	279
Wisconsin	101	105	90	97	86	479
Wyoming	26	29	30	50	26	161
Total	5141	4950	5104	5313	5343	25851

Table 1-4: Fatal Truck Involvements by Year and State – STRAIGHT TRUCKS ONLY

State	2001	2002	2003	2004	2005	Total
	No.	No.	No.	No.	No.	No.
Alabama	39	31	36	51	40	197
Alaska	5	2	3	4	2	16
Arizona	31	30	36	44	32	173
Arkansas	25	15	25	18	34	117
California	139	122	147	152	147	707
Colorado	37	27	13	35	27	139
Connecticut	11	8	11	18	13	61
Delaware	6	7	6	9	5	33
Dist of Columbia	0	1	0	4	1	6
Florida	132	116	163	160	204	775
Georgia	82	68	76	92	81	399
Hawaii	7	2	3	5	3	20
Idaho	13	13	13	12	13	64
Illinois	27	41	47	50	49	214
Indiana	46	41	41	47	40	215
Iowa	20	17	21	18	17	93
Kansas	28	20	24	21	18	111
Kentucky	36	48	48	43	35	210
Louisiana	46	31	33	26	49	185
Maine	11	13	8	8	5	45
Maryland	38	30	34	41	34	177
Massachusetts	19	13	21	23	9	85
Michigan	52	59	48	49	49	257
Minnesota	18	32	25	26	22	123
Mississippi	20	7	6	15	23	71
Missouri	40	63	52	48	61	264
Montana	7	15	9	8	10	49
Nebraska	20	8	12	11	18	69
Nevada	11	6	12	10	13	52
New Hampshire	9	7	7	5	6	34
New Jersey	35	15	13	57	49	169
New Mexico	13	13	4	11	13	54
New York	73	49	80	78	80	360
North Carolina	68	61	63	73	83	348
North Dakota	3	4	5	8	6	26
Ohio	62	44	55	67	50	278
Oklahoma	26	21	46	42	41	176
Oregon	22	14	17	29	20	102
Pennsylvania	35	48	87	73	73	316
Rhode Island	5	2	2	2	1	12
South Carolina	39	31	33	38	44	185
South Dakota	5	3	6	8	4	26
Tennessee	43	43	37	42	49	214
Texas	177	87	164	146	153	727
Utah	4	4	8	10	13	39
Vermont	3	4	5	5	5	22
Virginia	49	33	48	43	52	225
Washington	16	31	21	20	27	115
West Virginia	19	21	23	17	17	97
Wisconsin	49	48	37	38	32	204
Wyoming	11	11	7	6	7	42
Total	1732	1480	1741	1866	1879	8698

Table includes all truck combinations where the power unit was a straight truck.

Table 1-5: Fatal Truck Involvements by Year and State – TRACTOR-SEMITRAILERS ONLY

State	2001	2002	2003	2004	2005	Total
	No.	No.	No.	No.	No.	No.
Alabama	101	88	110	94	82	475
Alaska	1	2	1	8	1	13
Arizona	55	61	67	59	61	303
Arkansas	76	66	75	76	102	395
California	184	182	156	194	183	899
Colorado	53	31	48	41	38	211
Connecticut	15	9	6	10	6	46
Delaware	6	11	11	9	3	40
Dist of Columbia	1	0	0	2	2	5
Florida	217	224	201	230	210	1082
Georgia	151	133	147	155	164	750
Hawaii	2	2	2	2	2	10
Idaho	14	16	21	17	15	83
Illinois	111	81	131	105	141	569
Indiana	94	82	129	113	101	519
Iowa	52	43	42	44	53	234
Kansas	52	57	49	61	49	268
Kentucky	64	69	79	84	80	376
Louisiana	92	69	86	74	82	403
Maine	17	13	8	10	12	60
Maryland	41	34	33	37	32	177
Massachusetts	11	10	14	16	17	68
Michigan	67	67	65	68	56	323
Minnesota	43	47	37	43	37	207
Mississippi	65	40	36	73	67	281
Missouri	91	95	104	104	98	492
Montana	17	11	11	8	12	59
Nebraska	40	46	43	31	32	192
Nevada	29	17	26	13	30	115
New Hampshire	4	11	7	6	7	35
New Jersey	35	12	22	42	62	173
New Mexico	41	44	28	48	45	206
New York	64	63	73	58	60	318
North Carolina	117	110	102	110	125	564
North Dakota	8	12	10	8	5	43
Ohio	94	128	98	117	127	564
Oklahoma	62	86	77	72	82	379
Oregon	28	26	29	22	37	142
Pennsylvania	94	105	123	141	114	577
Rhode Island	1	3	5	2	0	11
South Carolina	74	66	62	66	79	347
South Dakota	17	11	10	10	10	58
Tennessee	88	87	79	100	94	448
Texas	309	291	329	319	336	1584
Utah	22	30	11	18	15	96
Vermont	3	7	8	9	4	31
Virginia	74	56	80	63	68	341
Washington	24	19	16	28	25	112
West Virginia	29	33	30	46	31	169
Wisconsin	50	55	48	57	52	262
Wyoming	14	16	20	37	13	100
Total	3014	2877	3005	3160	3159	15215

Table 1-6: Fatal Truck Involvements by Year and State – DOUBLES ONLY

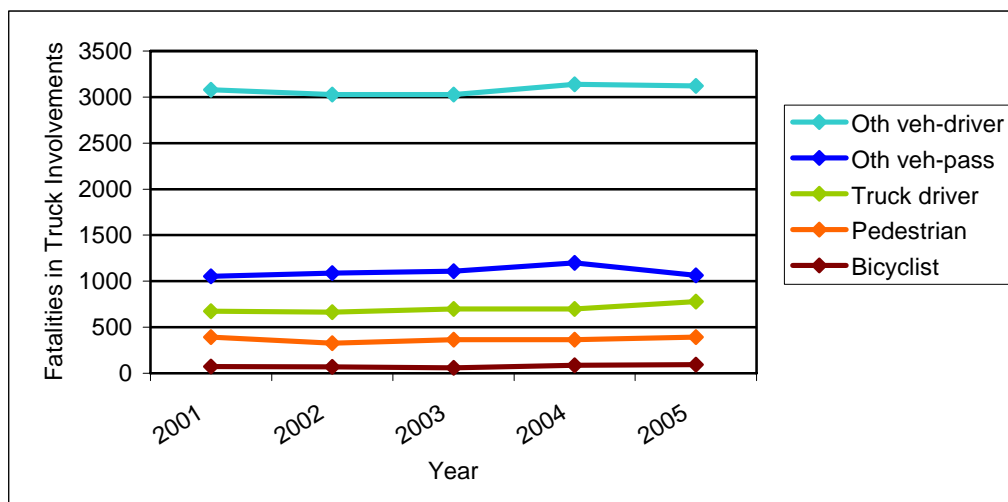
State	2001	2002	2003	2004	2005	Total
	No.	No.	No.	No.	No.	No.
Alabama	3	3	5	2	1	14
Alaska	2	0	1	2	1	6
Arizona	4	3	8	4	1	20
Arkansas	4	3	3	2	3	15
California	42	59	43	45	49	238
Colorado	4	1	1	0	3	9
Connecticut	0	0	1	0	1	2
Delaware	0	0	0	0	0	0
Dist of Columbia	0	0	0	0	0	0
Florida	4	2	4	1	6	17
Georgia	3	3	3	2	5	16
Hawaii	0	0	0	0	0	0
Idaho	4	2	2	2	3	13
Illinois	1	1	2	4	8	16
Indiana	2	4	3	9	3	21
Iowa	3	1	0	0	1	5
Kansas	2	0	3	3	5	13
Kentucky	1	1	1	2	2	7
Louisiana	1	4	1	2	1	9
Maine	0	0	0	0	0	0
Maryland	0	0	0	1	0	1
Massachusetts	1	0	0	1	0	2
Michigan	8	7	7	8	8	38
Minnesota	0	0	2	0	1	3
Mississippi	2	0	2	0	1	5
Missouri	5	6	3	2	3	19
Montana	4	2	4	1	2	13
Nebraska	2	3	0	0	1	6
Nevada	3	2	3	9	9	26
New Hampshire	0	0	0	0	0	0
New Jersey	2	1	1	0	2	6
New Mexico	2	2	2	5	3	14
New York	0	3	1	2	4	10
North Carolina	4	1	8	6	1	20
North Dakota	1	0	0	1	1	3
Ohio	6	4	4	5	2	21
Oklahoma	2	1	1	1	2	7
Oregon	3	5	5	3	4	20
Pennsylvania	2	3	6	3	9	23
Rhode Island	0	0	0	0	0	0
South Carolina	3	0	0	1	0	4
South Dakota	1	1	1	2	1	6
Tennessee	2	4	4	4	3	17
Texas	10	7	9	7	15	48
Utah	4	4	4	1	3	16
Vermont	0	0	0	0	0	0
Virginia	2	1	1	1	2	7
Washington	13	5	2	5	7	32
West Virginia	2	2	1	0	1	6
Wisconsin	1	1	2	1	2	7
Wyoming	1	2	3	6	5	17
Total	166	154	157	156	185	818

Annual fatalities

Table 1-7
Fatalities in Truck Involvements by Year and Person Type

Vehicle/Person type	2001		2002		2003		2004		2005	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
<i>Truck</i>										
Driver	676	12.4	664	12.5	700	12.9	700	12.4	778	13.8
Passenger	145	2.7	124	2.3	123	2.3	156	2.8	147	2.6
Unk occ type	0	0.0	1	0.0	2	0.0	2	0.0	0	0.0
Truck total	821	15.1	789	14.8	825	15.3	858	15.2	925	16.5
<i>Other vehicle</i>										
Drivers	3081	56.6	3026	56.9	3029	56.0	3138	55.4	3120	55.5
Passengers	1053	19.3	1087	20.5	1110	20.5	1198	21.2	1065	18.9
Unk occ type	8	0.1	4	0.1	10	0.2	3	0.1	2	0.0
Other vehicle total	4142	76.1	4117	77.5	4149	76.7	4339	76.6	4187	74.5
<i>Non-motorists</i>										
In parked vehicle	14	0.3	12	0.2	9	0.2	7	0.1	25	0.4
Pedestrian	392	7.2	325	6.1	364	6.7	366	6.5	392	7.0
Bicyclist	73	1.3	69	1.3	59	1.1	87	1.5	94	1.7
Other/unknown	0	0.0	2	0.0	3	0.1	6	0.1	0	0.0
Non-motorist total	479	8.8	408	7.7	435	8.0	466	8.2	511	9.1
Total	5442	100.0	5314	100.0	5409	100.0	5663	100.0	5623	100.0

Figure 1-2
Fatalities in Truck Involvements by Year and Person Type



Accident conditions

This section provides statistics that describe conditions at the scene of fatal traffic accidents involving trucks. Tables present various accident characteristics, including the geographic distribution of truck involvements, temporal and environmental conditions, as well as distributions of collision type and the truck's role in the accident. Though the tables focus on accident-level characteristics, all tables show counts of trucks involved in fatal accidents, rather than counts of accidents. Some fatal traffic accidents include more than one truck.

- October had the greatest number of fatal involvements with 528, while February had the fewest with 355.
- Almost two-thirds of fatal accident involvements occur in rural areas, and in daylight.
- 82.7% of fatal accident involvements occur on dry roads.
- 86.0% of fatal accident involvements occur in “normal” (i.e., no precipitation) weather conditions.
- 28.6% of fatal involvements occur on state highways, 23.0% on U.S. highways, and 26.4% on Interstate highways.
- In 11.6% of fatal involvements, the other vehicle crossed the center line of the road and struck the truck head on.

Geographic distributions

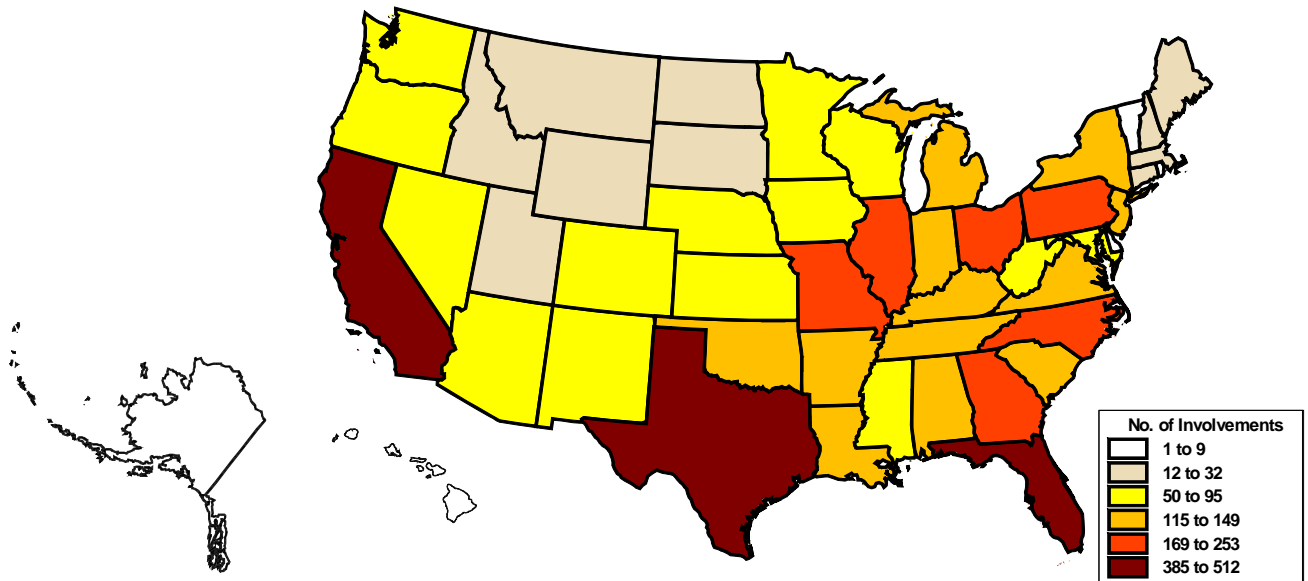


Figure 2-1: Fatal Truck Involvements by State

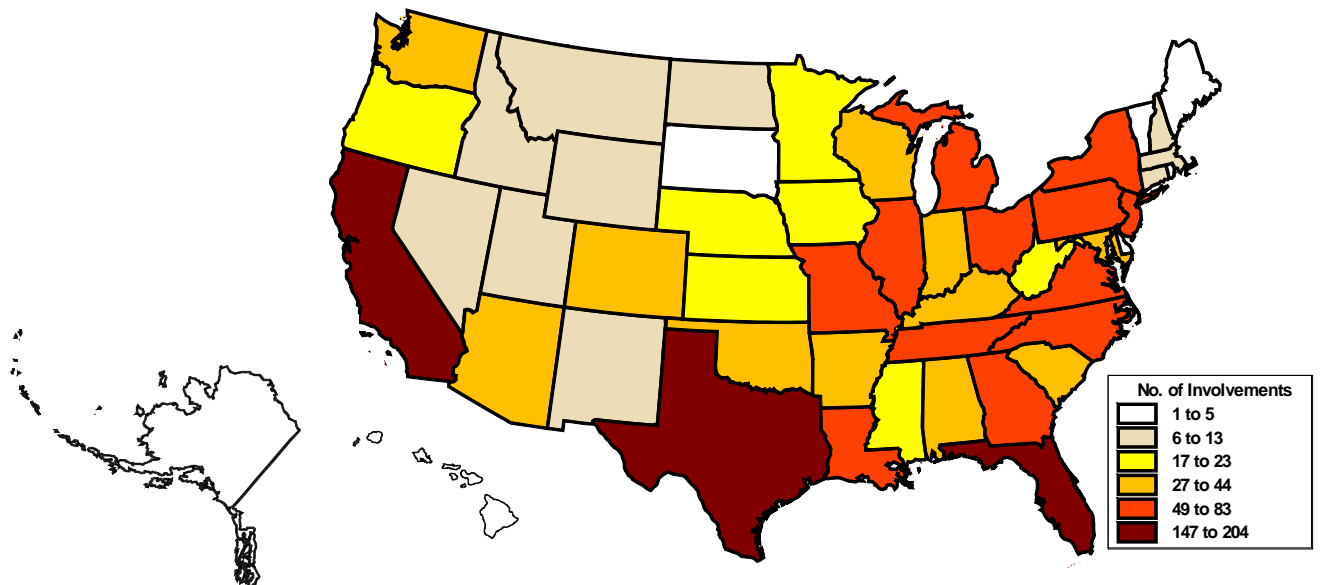


Figure 2-2: Fatal Truck Involvements by State – STRAIGHT TRUCKS ONLY

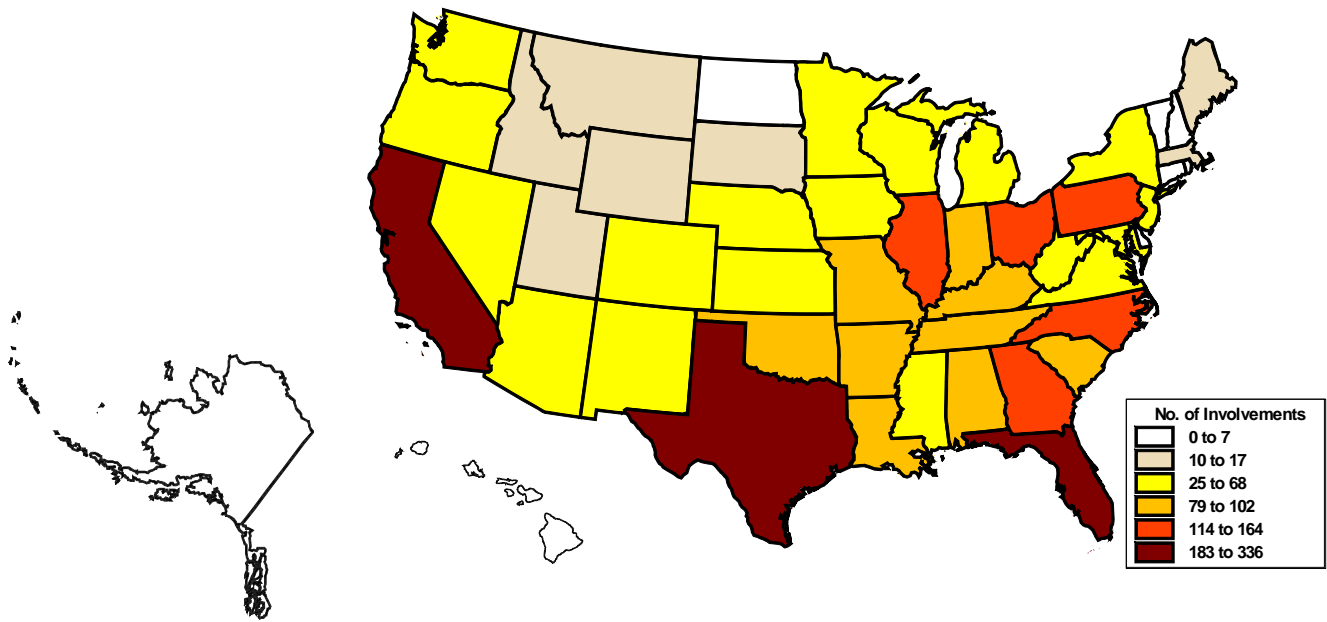


Figure 2-3: Fatal Truck Involvements by State – TRACTOR-SEMITRAILERS ONLY

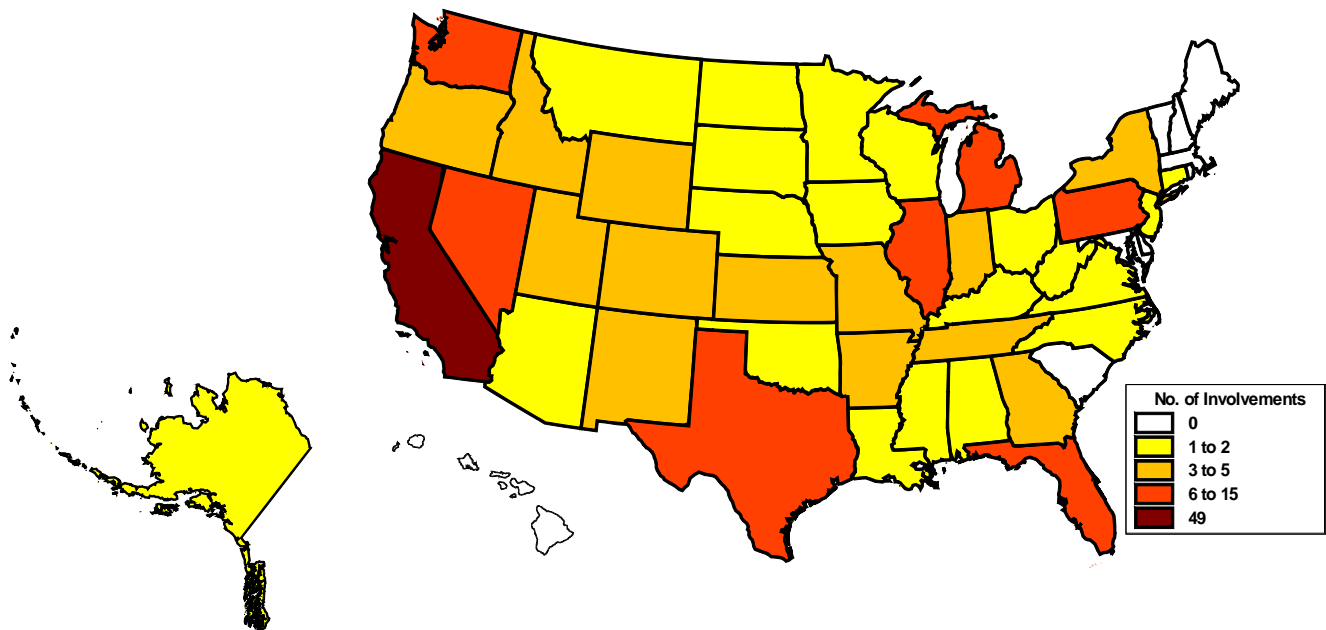


Figure 2-4: Fatal Truck Involvements by State – DOUBLES ONLY

Table 2-1: Fatal Truck Involvements by State and Truck Configuration

State	Strt Truck		Strt/1trailer		Bobtail		Trac/1 semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Alabama	33	2.0	6	2.8	0	0.0	82	2.6	1	0.5	3	9.4	0	0.0	125	2.3
Alaska	1	0.1	1	0.5	0	0.0	1	0.0	1	0.5	0	0.0	0	0.0	4	0.1
Arizona	27	1.6	5	2.3	1	1.1	61	1.9	1	0.5	0	0.0	0	0.0	95	1.8
Arkansas	30	1.8	4	1.9	3	3.2	102	3.2	3	1.6	0	0.0	0	0.0	142	2.7
California	119	7.2	24	11.2	6	6.5	183	5.8	49	26.5	4	12.5	0	0.0	385	7.2
Colorado	23	1.4	4	1.9	3	3.2	38	1.2	3	1.6	0	0.0	0	0.0	71	1.3
Connecticut	13	0.8	0	0.0	0	0.0	6	0.2	1	0.5	0	0.0	0	0.0	20	0.4
Delaware	5	0.3	0	0.0	0	0.0	3	0.1	0	0.0	0	0.0	0	0.0	8	0.1
Dist of Columbia	1	0.1	0	0.0	0	0.0	2	0.1	0	0.0	0	0.0	0	0.0	3	0.1
Florida	189	11.5	14	6.5	8	8.6	210	6.6	6	3.2	1	3.1	3	25.0	431	8.1
Georgia	77	4.7	4	1.9	1	1.1	164	5.2	5	2.7	1	3.1	1	8.3	253	4.7
Hawaii	3	0.2	0	0.0	0	0.0	2	0.1	0	0.0	0	0.0	0	0.0	5	0.1
Idaho	12	0.7	1	0.5	0	0.0	15	0.5	3	1.6	1	3.1	0	0.0	32	0.6
Illinois	44	2.7	5	2.3	4	4.3	141	4.5	8	4.3	0	0.0	1	8.3	203	3.8
Indiana	36	2.2	4	1.9	2	2.2	101	3.2	3	1.6	0	0.0	0	0.0	146	2.7
Iowa	13	0.8	4	1.9	0	0.0	53	1.7	1	0.5	0	0.0	0	0.0	71	1.3
Kansas	16	1.0	2	0.9	2	2.2	49	1.6	5	2.7	2	6.3	1	8.3	77	1.4
Kentucky	34	2.1	1	0.5	2	2.2	80	2.5	2	1.1	0	0.0	1	8.3	120	2.2
Louisiana	44	2.7	5	2.3	5	5.4	82	2.6	1	0.5	1	3.1	0	0.0	138	2.6
Maine	4	0.2	1	0.5	1	1.1	12	0.4	0	0.0	0	0.0	0	0.0	18	0.3
Maryland	32	1.9	2	0.9	0	0.0	32	1.0	0	0.0	0	0.0	0	0.0	66	1.2
Massachusetts	9	0.5	0	0.0	1	1.1	17	0.5	0	0.0	0	0.0	0	0.0	27	0.5
Michigan	42	2.6	7	3.3	2	2.2	56	1.8	8	4.3	0	0.0	0	0.0	115	2.2
Minnesota	19	1.2	3	1.4	2	2.2	37	1.2	1	0.5	0	0.0	0	0.0	62	1.2
Mississippi	19	1.2	3	1.4	1	1.1	67	2.1	1	0.5	1	3.1	0	0.0	92	1.7
Missouri	51	3.1	10	4.7	7	7.5	98	3.1	3	1.6	0	0.0	0	0.0	169	3.2
Montana	7	0.4	3	1.4	0	0.0	12	0.4	2	1.1	0	0.0	0	0.0	24	0.4
Nebraska	13	0.8	5	2.3	2	2.2	32	1.0	1	0.5	0	0.0	0	0.0	53	1.0
Nevada	10	0.6	3	1.4	0	0.0	30	0.9	9	4.9	1	3.1	0	0.0	53	1.0
New Hampshire	6	0.4	0	0.0	0	0.0	7	0.2	0	0.0	0	0.0	0	0.0	13	0.2
New Jersey	46	2.8	3	1.4	2	2.2	62	2.0	2	1.1	0	0.0	0	0.0	115	2.2
New Mexico	7	0.4	6	2.8	0	0.0	45	1.4	3	1.6	0	0.0	2	16.7	63	1.2
New York	76	4.6	4	1.9	2	2.2	60	1.9	4	2.2	0	0.0	1	8.3	147	2.8
North Carolina	70	4.3	13	6.0	4	4.3	125	4.0	1	0.5	0	0.0	0	0.0	213	4.0
North Dakota	2	0.1	4	1.9	0	0.0	5	0.2	1	0.5	0	0.0	0	0.0	12	0.2
Ohio	46	2.8	3	1.4	1	1.1	127	4.0	2	1.1	1	3.1	0	0.0	180	3.4
Oklahoma	33	2.0	8	3.7	3	3.2	82	2.6	2	1.1	0	0.0	0	0.0	128	2.4
Oregon	17	1.0	3	1.4	1	1.1	37	1.2	4	2.2	2	6.3	0	0.0	64	1.2
Pennsylvania	69	4.2	3	1.4	6	6.5	114	3.6	9	4.9	2	6.3	0	0.0	203	3.8
Rhode Island	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0
South Carolina	39	2.4	5	2.3	7	7.5	79	2.5	0	0.0	0	0.0	1	8.3	131	2.5
South Dakota	2	0.1	2	0.9	1	1.1	10	0.3	1	0.5	0	0.0	0	0.0	16	0.3
Tennessee	46	2.8	2	0.9	3	3.2	94	3.0	3	1.6	1	3.1	0	0.0	149	2.8
Texas	127	7.7	22	10.2	6	6.5	336	10.6	15	8.1	6	18.8	0	0.0	512	9.6
Utah	9	0.5	4	1.9	0	0.0	15	0.5	3	1.6	1	3.1	0	0.0	32	0.6
Vermont	4	0.2	1	0.5	0	0.0	4	0.1	0	0.0	0	0.0	0	0.0	9	0.2
Virginia	49	3.0	2	0.9	2	2.2	68	2.2	2	1.1	2	6.3	0	0.0	125	2.3
Washington	21	1.3	4	1.9	1	1.1	25	0.8	7	3.8	2	6.3	0	0.0	60	1.1
West Virginia	17	1.0	0	0.0	0	0.0	31	1.0	1	0.5	0	0.0	1	8.3	50	0.9
Wisconsin	30	1.8	2	0.9	0	0.0	52	1.6	2	1.1	0	0.0	0	0.0	86	1.6
Wyoming	4	0.2	3	1.4	1	1.1	13	0.4	5	2.7	0	0.0	0	0.0	26	0.5
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

Temporal distributions

Table 2-2
Fatal Truck Involvements by Month and Truck Configuration

Month of accident	Strt truck		Strt/1 trailer		Bobtail		Trac/1 semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
January	103	6.3	10	4.7	3	3.2	251	7.9	17	9.2	2	6.3	1	8.3	387	7.2
February	90	5.5	13	6.0	14	15.1	225	7.1	12	6.5	1	3.1	0	0.0	355	6.6
March	118	7.2	20	9.3	11	11.8	254	8.0	25	13.5	0	0.0	1	8.3	429	8.0
April	130	7.9	15	7.0	10	10.8	259	8.2	13	7.0	2	6.3	0	0.0	429	8.0
May	140	8.5	21	9.8	5	5.4	240	7.6	13	7.0	6	18.8	2	16.7	427	8.0
June	170	10.3	21	9.8	6	6.5	284	9.0	12	6.5	4	12.5	2	16.7	499	9.3
July	150	9.1	22	10.2	9	9.7	261	8.3	9	4.9	2	6.3	2	16.7	455	8.5
August	170	10.3	14	6.5	3	3.2	295	9.3	23	12.4	2	6.3	1	8.3	508	9.5
September	169	10.3	20	9.3	7	7.5	249	7.9	17	9.2	5	15.6	0	0.0	467	8.7
October	161	9.8	24	11.2	9	9.7	311	9.8	18	9.7	3	9.4	2	16.7	528	9.9
November	123	7.5	22	10.2	9	9.7	269	8.5	11	5.9	1	3.1	1	8.3	436	8.2
December	123	7.5	13	6.0	7	7.5	261	8.3	15	8.1	4	12.5	0	0.0	423	7.9
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

Table 2-3
Fatal Truck Involvements by Day of Week and Truck Configuration

Day of week	Strt truck		Strt/1 trailer		Bobtail		Trac/1 semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Sunday	65	3.9	9	4.2	7	7.5	192	6.1	7	3.8	6	18.8	1	8.3	287	5.4
Monday	281	17.1	31	14.4	17	18.3	498	15.8	22	11.9	5	15.6	4	33.3	858	16.1
Tuesday	288	17.5	36	16.7	16	17.2	555	17.6	30	16.2	3	9.4	2	16.7	930	17.4
Wednesday	280	17.0	43	20.0	17	18.3	567	17.9	38	20.5	6	18.8	1	8.3	952	17.8
Thursday	294	17.9	35	16.3	8	8.6	529	16.7	36	19.5	3	9.4	1	8.3	906	17.0
Friday	287	17.4	36	16.7	21	22.6	529	16.7	35	18.9	4	12.5	1	8.3	913	17.1
Saturday	152	9.2	25	11.6	7	7.5	289	9.1	17	9.2	5	15.6	2	16.7	497	9.3
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

Table 2-4
Fatal Truck Involvements by Day Type and Truck Configuration

Day type	Strt truck		Strt/1 trailer		Bobtail		Trac/1 semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Work week	1430	86.8	181	84.2	79	84.9	2678	84.8	161	87.0	21	65.6	9	75.0	4559	85.3
Weekend	217	13.2	34	15.8	14	15.1	481	15.2	24	13.0	11	34.4	3	25.0	784	14.7
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

Note: Work week is defined as Monday through Friday, and weekend as Saturday and Sunday.

**Table 2-5
Fatal Truck Involvements by Time of Accident and Truck Configuration**

Time of accident	Strt truck		Strt/1 trailer		Bobtail		Trac/1 semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Midnight	20	1.2	6	2.8	2	2.2	88	2.8	8	4.3	0	0.0	0	0.0	124	2.3
1:00 AM	28	1.7	3	1.4	4	4.3	101	3.2	9	4.9	1	3.1	0	0.0	146	2.7
2:00 AM	25	1.5	3	1.4	3	3.2	94	3.0	7	3.8	1	3.1	0	0.0	133	2.5
3:00 AM	17	1.0	1	0.5	3	3.2	95	3.0	5	2.7	0	0.0	2	16.7	123	2.3
4:00 AM	29	1.8	1	0.5	2	2.2	93	2.9	14	7.6	0	0.0	0	0.0	139	2.6
5:00 AM	53	3.2	5	2.3	5	5.4	139	4.4	21	11.4	1	3.1	0	0.0	224	4.2
6:00 AM	83	5.0	7	3.3	6	6.5	170	5.4	9	4.9	0	0.0	1	8.3	276	5.2
7:00 AM	95	5.8	16	7.4	4	4.3	179	5.7	8	4.3	2	6.3	0	0.0	304	5.7
8:00 AM	98	6.0	9	4.2	6	6.5	132	4.2	10	5.4	2	6.3	0	0.0	257	4.8
9:00 AM	135	8.2	12	5.6	6	6.5	155	4.9	5	2.7	2	6.3	1	8.3	316	5.9
10:00 AM	112	6.8	15	7.0	1	1.1	172	5.4	2	1.1	2	6.3	1	8.3	305	5.7
11:00 AM	129	7.8	10	4.7	4	4.3	150	4.7	2	1.1	2	6.3	0	0.0	297	5.6
Noon	123	7.5	15	7.0	5	5.4	172	5.4	5	2.7	1	3.1	0	0.0	321	6.0
1:00 PM	112	6.8	14	6.5	4	4.3	173	5.5	8	4.3	1	3.1	1	8.3	313	5.9
2:00 PM	122	7.4	17	7.9	4	4.3	207	6.6	10	5.4	3	9.4	0	0.0	363	6.8
3:00 PM	117	7.1	21	9.8	9	9.7	202	6.4	8	4.3	5	15.6	0	0.0	362	6.8
4:00 PM	83	5.0	18	8.4	3	3.2	124	3.9	2	1.1	4	12.5	2	16.7	236	4.4
5:00 PM	89	5.4	18	8.4	4	4.3	134	4.2	9	4.9	1	3.1	2	16.7	257	4.8
6:00 PM	41	2.5	8	3.7	2	2.2	100	3.2	8	4.3	1	3.1	0	0.0	160	3.0
7:00 PM	31	1.9	6	2.8	6	6.5	99	3.1	3	1.6	0	0.0	0	0.0	145	2.7
8:00 PM	22	1.3	1	0.5	1	1.1	90	2.8	9	4.9	3	9.4	1	8.3	127	2.4
9:00 PM	29	1.8	3	1.4	2	2.2	93	2.9	8	4.3	0	0.0	0	0.0	135	2.5
10:00 PM	21	1.3	1	0.5	3	3.2	105	3.3	9	4.9	0	0.0	0	0.0	139	2.6
11:00 PM	30	1.8	5	2.3	4	4.3	90	2.8	6	3.2	0	0.0	1	8.3	136	2.5
12:00 midnight	0	0.0	0	0.0	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	1	0.0
Unknown	3	0.2	0	0.0	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	4	0.1
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

Table 2-6
Fatal Truck Involvements by Time of Accident and Day Type

Time of accident	Work week		Weekend		Total	
	No.	Pct.	No.	Pct.	No.	Pct.
Midnight	86	1.9	38	4.8	124	2.3
1:00 AM	104	2.3	42	5.4	146	2.7
2:00 AM	96	2.1	37	4.7	133	2.5
3:00 AM	87	1.9	36	4.6	123	2.3
4:00 AM	106	2.3	33	4.2	139	2.6
5:00 AM	192	4.2	32	4.1	224	4.2
6:00 AM	229	5.0	47	6.0	276	5.2
7:00 AM	275	6.0	29	3.7	304	5.7
8:00 AM	223	4.9	34	4.3	257	4.8
9:00 AM	284	6.2	32	4.1	316	5.9
10:00 AM	279	6.1	26	3.3	305	5.7
11:00 AM	262	5.7	35	4.5	297	5.6
Noon	284	6.2	37	4.7	321	6.0
1:00 PM	281	6.2	32	4.1	313	5.9
2:00 PM	331	7.3	32	4.1	363	6.8
3:00 PM	319	7.0	43	5.5	362	6.8
4:00 PM	208	4.6	28	3.6	236	4.4
5:00 PM	217	4.8	40	5.1	257	4.8
6:00 PM	134	2.9	26	3.3	160	3.0
7:00 PM	113	2.5	32	4.1	145	2.7
8:00 PM	98	2.1	29	3.7	127	2.4
9:00 PM	116	2.5	19	2.4	135	2.5
10:00 PM	118	2.6	21	2.7	139	2.6
11:00 PM	112	2.5	24	3.1	136	2.5
12:00 midnight	1	0.0	0	0.0	1	0.0
Unknown	4	0.1	0	0.0	4	0.1
Total	4559	100.0	784	100.0	5343	100.0

Note: Work week is defined as Monday through Friday,
and weekend as Saturday and Sunday.

Environmental distributions

Table 2-7
Fatal Truck Involvements by Land Use and Truck Configuration

Land use	Strt truck		Strt/1 trailer		Bobtail		Trac/1 semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Urban	696	42.3	61	28.4	42	45.2	999	31.6	63	34.1	12	37.5	3	25.0	1876	35.1
Rural	887	53.9	150	69.8	47	50.5	2062	65.3	120	64.9	19	59.4	9	75.0	3294	61.7
Unknown	64	3.9	4	1.9	4	4.3	98	3.1	2	1.1	1	3.1	0	0.0	173	3.2
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

**Table 2-8
Fatal Truck Involvements by Light Condition and Truck Configuration**

Light condition	Strt truck		Strt/1 trailer		Bobtail		Trac/1 semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Daylight	1261	76.6	171	79.5	54	58.1	1879	59.5	75	40.5	25	78.1	7	58.3	3472	65.0
Dark	231	14.0	25	11.6	30	32.3	865	27.4	73	39.5	4	12.5	4	33.3	1232	23.1
Dark but lighted	102	6.2	11	5.1	5	5.4	258	8.2	26	14.1	1	3.1	1	8.3	404	7.6
Dawn	36	2.2	2	0.9	3	3.2	109	3.5	6	3.2	0	0.0	0	0.0	156	2.9
Dusk	14	0.9	6	2.8	1	1.1	43	1.4	5	2.7	2	6.3	0	0.0	71	1.3
Unknown	3	0.2	0	0.0	0	0.0	5	0.2	0	0.0	0	0.0	0	0.0	8	0.1
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

**Table 2-9
Fatal Truck Involvements by Roadway Surface Condition and Truck Configuration**

Roadway surface condition	Strt truck		Strt/1 trailer		Bobtail		Trac/1 semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Dry	1390	84.4	198	92.1	78	83.9	2562	81.1	152	82.2	29	90.6	9	75.0	4418	82.7
Wet	210	12.8	13	6.0	9	9.7	465	14.7	22	11.9	3	9.4	3	25.0	725	13.6
Snow or slush	26	1.6	1	0.5	3	3.2	63	2.0	2	1.1	0	0.0	0	0.0	95	1.8
Ice	14	0.9	3	1.4	3	3.2	63	2.0	9	4.9	0	0.0	0	0.0	92	1.7
Sand, dirt, oil	3	0.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	0.1
Other	2	0.1	0	0.0	0	0.0	3	0.1	0	0.0	0	0.0	0	0.0	5	0.1
Unknown	2	0.1	0	0.0	0	0.0	3	0.1	0	0.0	0	0.0	0	0.0	5	0.1
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

**Table 2-10
Fatal Truck Involvements by Weather Condition and Truck Configuration**

Weather condition	Strt truck		Strt/1 trailer		Bobtail		Trac/1 semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Normal	1471	89.3	202	94.0	81	87.1	2645	83.7	158	85.4	28	87.5	10	83.3	4595	86.0
Rain	112	6.8	7	3.3	5	5.4	302	9.6	11	5.9	2	6.3	2	16.7	441	8.3
Sleet	4	0.2	0	0.0	0	0.0	17	0.5	1	0.5	0	0.0	0	0.0	22	0.4
Snow	32	1.9	4	1.9	6	6.5	89	2.8	6	3.2	0	0.0	0	0.0	137	2.6
Fog	20	1.2	2	0.9	1	1.1	70	2.2	6	3.2	1	3.1	0	0.0	100	1.9
Rain & fog	0	0.0	0	0.0	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	1	0.0
Other	5	0.3	0	0.0	0	0.0	32	1.0	3	1.6	1	3.1	0	0.0	41	0.8
Unknown	3	0.2	0	0.0	0	0.0	3	0.1	0	0.0	0	0.0	0	0.0	6	0.1
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

Roadway distributions

Table 2-11
Fatal Truck Involvements by Roadway Function Class and Truck Configuration

Road function class	Strt truck		Strt/1trailer		Bobtail		Trac/1 semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
<i>Urban</i>																
Interstate	114	6.9	13	6.0	7	7.5	416	13.2	26	14.1	4	12.5	2	16.7	582	10.9
Freeway/expressway	77	4.7	5	2.3	9	9.7	131	4.1	3	1.6	0	0.0	0	0.0	225	4.2
Other principal artery	233	14.1	21	9.8	8	8.6	246	7.8	16	8.6	4	12.5	0	0.0	528	9.9
Minor artery	140	8.5	11	5.1	12	12.9	122	3.9	11	5.9	3	9.4	0	0.0	299	5.6
Collector	40	2.4	5	2.3	1	1.1	29	0.9	3	1.6	0	0.0	0	0.0	78	1.5
Local street	89	5.4	6	2.8	5	5.4	51	1.6	3	1.6	1	3.1	1	8.3	156	2.9
Unknown urban	3	0.2	0	0.0	0	0.0	4	0.1	1	0.5	0	0.0	0	0.0	8	0.1
Total urban	696	42.3	61	28.4	42	45.2	999	31.6	63	34.1	12	37.5	3	25.0	1876	35.1
<i>Rural</i>																
Interstate	81	4.9	33	15.3	6	6.5	667	21.1	57	30.8	4	12.5	6	50.0	854	16.0
Other principal artery	201	12.2	38	17.7	16	17.2	648	20.5	36	19.5	8	25.0	2	16.7	949	17.8
Minor artery	223	13.5	33	15.3	9	9.7	386	12.2	18	9.7	2	6.3	0	0.0	671	12.6
Major collector	216	13.1	27	12.6	8	8.6	244	7.7	4	2.2	4	12.5	1	8.3	504	9.4
Minor collector	40	2.4	4	1.9	0	0.0	38	1.2	5	2.7	0	0.0	0	0.0	87	1.6
Local road	125	7.6	14	6.5	7	7.5	75	2.4	0	0.0	1	3.1	0	0.0	222	4.2
Unknown rural	1	0.1	1	0.5	1	1.1	4	0.1	0	0.0	0	0.0	0	0.0	7	0.1
Total rural	887	53.9	150	69.8	47	50.5	2062	65.3	120	64.9	19	59.4	9	75.0	3294	61.7
Unknown	64	3.9	4	1.9	4	4.3	98	3.1	2	1.1	1	3.1	0	0.0	173	3.2
Total urban and rural	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

Table 2-12
Fatal Truck Involvements by Route Signing and Truck Configuration

Route signing	Strt truck		Strt/1trailer		Bobtail		Trac/1 semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Interstate	190	11.5	46	21.4	13	14.0	1065	33.7	82	44.3	7	21.9	8	66.7	1411	26.4
US highway	316	19.2	46	21.4	22	23.7	808	25.6	26	14.1	9	28.1	2	16.7	1229	23.0
State highway	557	33.8	56	26.0	29	31.2	831	26.3	43	23.2	10	31.3	1	8.3	1527	28.6
County road	279	16.9	21	9.8	15	16.1	163	5.2	15	8.1	3	9.4	0	0.0	496	9.3
Township	48	2.9	7	3.3	3	3.2	26	0.8	0	0.0	0	0.0	0	0.0	84	1.6
Municipality	158	9.6	24	11.2	7	7.5	126	4.0	17	9.2	1	3.1	1	8.3	334	6.3
Frontage road	7	0.4	1	0.5	0	0.0	14	0.4	1	0.5	1	3.1	0	0.0	24	0.4
Other	50	3.0	11	5.1	2	2.2	61	1.9	1	0.5	1	3.1	0	0.0	126	2.4
Unknown	42	2.6	3	1.4	2	2.2	65	2.1	0	0.0	0	0.0	0	0.0	112	2.1
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

**Table 2-13
Fatal Truck Involvements by Relation to Junction and Truck Configuration**

Relation to junction	Strt truck		Strt/1trailer		Bobtail		Trac/1 semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
<i>Noninterchange</i>																
Nonjunction	994	60.4	139	64.7	63	67.7	2194	69.5	138	74.6	25	78.1	10	83.3	3563	66.7
Intersection	449	27.3	44	20.5	17	18.3	568	18.0	27	14.6	5	15.6	1	8.3	1111	20.8
Intersection related	78	4.7	8	3.7	5	5.4	91	2.9	7	3.8	0	0.0	0	0.0	189	3.5
Driveway, alley, etc.	29	1.8	3	1.4	2	2.2	49	1.6	0	0.0	1	3.1	1	8.3	85	1.6
Entrance/exit ramp	5	0.3	0	0.0	0	0.0	14	0.4	1	0.5	0	0.0	0	0.0	20	0.4
Rail grade crossing	14	0.9	2	0.9	1	1.1	11	0.3	0	0.0	0	0.0	0	0.0	28	0.5
In crossover	4	0.2	1	0.5	0	0.0	16	0.5	0	0.0	0	0.0	0	0.0	21	0.4
Driveway access related	27	1.6	9	4.2	0	0.0	54	1.7	2	1.1	1	3.1	0	0.0	93	1.7
Unknown	2	0.1	0	0.0	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	3	0.1
<i>Interchange area</i>																
Intersection	9	0.5	2	0.9	2	2.2	40	1.3	0	0.0	0	0.0	0	0.0	53	1.0
Intersection related	6	0.4	0	0.0	0	0.0	10	0.3	1	0.5	0	0.0	0	0.0	17	0.3
Driveway access	3	0.2	0	0.0	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	4	0.1
Entrance/exit ramp	12	0.7	3	1.4	2	2.2	31	1.0	3	1.6	0	0.0	0	0.0	51	1.0
Crossover-related	0	0.0	0	0.0	0	0.0	2	0.1	0	0.0	0	0.0	0	0.0	2	0.0
Other location	15	0.9	3	1.4	1	1.1	72	2.3	6	3.2	0	0.0	0	0.0	97	1.8
Unknown	0	0.0	1	0.5	0	0.0	3	0.1	0	0.0	0	0.0	0	0.0	4	0.1
<i>Unknown</i>	0	0.0	0	0.0	0	0.0	2	0.1	0	0.0	0	0.0	0	0.0	2	0.0
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

**Table 2-14
Fatal Truck Involvements by Number of Travel Lanes and Truck Configuration**

Number of travel lanes	Strt truck		Strt/1trailer		Bobtail		Trac/1 semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
1	15	0.9	1	0.5	1	1.1	40	1.3	4	2.2	0	0.0	0	0.0	61	1.1
2	1225	74.4	161	74.9	73	78.5	2190	69.3	131	70.8	24	75.0	10	83.3	3814	71.4
3	127	7.7	16	7.4	6	6.5	322	10.2	21	11.4	1	3.1	1	8.3	494	9.2
4	214	13.0	26	12.1	11	11.8	461	14.6	23	12.4	5	15.6	1	8.3	741	13.9
5	27	1.6	3	1.4	0	0.0	35	1.1	2	1.1	1	3.1	0	0.0	68	1.3
6	22	1.3	3	1.4	1	1.1	63	2.0	1	0.5	0	0.0	0	0.0	90	1.7
7 or more	6	0.4	1	0.5	0	0.0	18	0.6	2	1.1	0	0.0	0	0.0	27	0.5
Unknown	11	0.7	4	1.9	1	1.1	30	0.9	1	0.5	1	3.1	0	0.0	48	0.9
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

Table 2-15
Fatal Truck Involvements by Trafficway Flow and Truck Configuration

Trafficway flow	Strt truck		Strt/1 trailer		Bobtail		Trac/1 semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Not divided	1048	63.6	129	60.0	50	53.8	1419	44.9	68	36.8	19	59.4	4	33.3	2737	51.2
Median-no barrier	326	19.8	54	25.1	25	26.9	1076	34.1	67	36.2	7	21.9	6	50.0	1561	29.2
Median w/barrier	192	11.7	21	9.8	11	11.8	543	17.2	40	21.6	5	15.6	2	16.7	814	15.2
One way traffic	19	1.2	0	0.0	1	1.1	17	0.5	1	0.5	1	3.1	0	0.0	39	0.7
2-way with left turn lane	41	2.5	4	1.9	4	4.3	53	1.7	4	2.2	0	0.0	0	0.0	106	2.0
Entrance/exit ramp	16	1.0	4	1.9	1	1.1	42	1.3	4	2.2	0	0.0	0	0.0	67	1.3
Unknown	5	0.3	3	1.4	1	1.1	9	0.3	1	0.5	0	0.0	0	0.0	19	0.4
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

Table 2-16
Fatal Truck Involvements by Speed Limit and Truck Configuration

Speed limit	Strt truck		Strt/1 trailer		Bobtail		Trac/1 semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
No stated limit	5	0.3	0	0.0	0	0.0	5	0.2	0	0.0	0	0.0	0	0.0	10	0.2
10	2	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.0
15	0	0.0	0	0.0	0	0.0	2	0.1	0	0.0	0	0.0	0	0.0	2	0.0
20	1	0.1	0	0.0	1	1.1	2	0.1	0	0.0	0	0.0	0	0.0	4	0.1
25	58	3.5	5	2.3	3	3.2	23	0.7	1	0.5	1	3.1	0	0.0	91	1.7
30	59	3.6	4	1.9	3	3.2	45	1.4	1	0.5	1	3.1	0	0.0	113	2.1
35	133	8.1	10	4.7	8	8.6	105	3.3	9	4.9	2	6.3	1	8.3	268	5.0
40	101	6.1	8	3.7	5	5.4	86	2.7	5	2.7	1	3.1	1	8.3	207	3.9
45	264	16.0	27	12.6	13	14.0	295	9.3	12	6.5	6	18.8	0	0.0	617	11.5
50	97	5.9	9	4.2	4	4.3	109	3.5	5	2.7	0	0.0	0	0.0	224	4.2
55	532	32.3	64	29.8	28	30.1	1032	32.7	55	29.7	9	28.1	1	8.3	1721	32.2
60	70	4.3	17	7.9	7	7.5	174	5.5	12	6.5	3	9.4	0	0.0	283	5.3
65	187	11.4	35	16.3	13	14.0	725	23.0	53	28.6	6	18.8	3	25.0	1022	19.1
70	93	5.6	23	10.7	7	7.5	432	13.7	19	10.3	2	6.3	3	25.0	579	10.8
75	9	0.5	11	5.1	1	1.1	93	2.9	12	6.5	1	3.1	2	16.7	129	2.4
Unknown	36	2.2	2	0.9	0	0.0	31	1.0	1	0.5	0	0.0	1	8.3	71	1.3
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

Accident description

Table 2-17
Fatal Truck Involvements by Accident Type and Truck Configuration

Accident type	Strt truck		Strt/1trailer		Bobtail		Trac/1 semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
<i>Single vehicle</i>																
Ran off road	18	1.1	1	0.5	1	1.1	21	0.7	0	0.0	0	0.0	0	0.0	41	0.8
Hit object in road	287	17.4	24	11.2	19	20.4	357	11.3	28	15.1	5	15.6	2	16.7	722	13.5
<i>Same direction, same trafficway</i>																
Rearend, truck striking	85	5.2	16	7.4	2	2.2	251	7.9	18	9.7	1	3.1	1	8.3	374	7.0
Rearend, truck struck	137	8.3	14	6.5	10	10.8	326	10.3	19	10.3	4	12.5	0	0.0	510	9.5
Sideswipe, in other's lane	10	0.6	2	0.9	0	0.0	28	0.9	1	0.5	0	0.0	0	0.0	41	0.8
Sideswipe, in truck's lane	22	1.3	4	1.9	2	2.2	107	3.4	7	3.8	0	0.0	1	8.3	143	2.7
<i>Opposite direction, same trafficway</i>																
Head-on, in other's lane	51	3.1	13	6.0	7	7.5	27	0.9	2	1.1	0	0.0	0	0.0	100	1.9
Head-on, in truck's lane	197	12.0	21	9.8	15	16.1	363	11.5	21	11.4	2	6.3	0	0.0	619	11.6
Sideswipe, in other's lane	27	1.6	7	3.3	1	1.1	45	1.4	3	1.6	0	0.0	0	0.0	83	1.6
Sideswipe, in truck's lane	123	7.5	20	9.3	11	11.8	372	11.8	18	9.7	5	15.6	0	0.0	549	10.3
<i>Change trafficway, one vehicle turning</i>																
Truck turn across path	74	4.5	7	3.3	4	4.3	127	4.0	4	2.2	1	3.1	0	0.0	217	4.1
Other turn across path	140	8.5	13	6.0	5	5.4	159	5.0	9	4.9	0	0.0	0	0.0	326	6.1
<i>Intersecting paths, both going straight</i>																
Truck into side of other	161	9.8	18	8.4	3	3.2	198	6.3	8	4.3	6	18.8	1	8.3	395	7.4
Other into side of truck	34	2.1	12	5.6	2	2.2	105	3.3	8	4.3	0	0.0	0	0.0	161	3.0
<i>Other accident types</i>																
Truck backed into other	8	0.5	2	0.9	0	0.0	18	0.6	0	0.0	0	0.0	1	8.3	29	0.5
Other backed into truck	2	0.1	0	0.0	0	0.0	2	0.1	1	0.5	0	0.0	0	0.0	5	0.1
Untripped roll	74	4.5	6	2.8	1	1.1	134	4.2	4	2.2	0	0.0	0	0.0	219	4.1
Other	173	10.5	30	14.0	10	10.8	462	14.6	33	17.8	7	21.9	1	8.3	716	13.4
Unknown	24	1.5	5	2.3	0	0.0	57	1.8	1	0.5	1	3.1	5	41.7	93	1.7
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

Table 2-18
Fatal Truck Involvements by First Harmful Event and Truck Configuration

First harmful event	Strt truck		Strt/1trailer		Bobtail		Trac/1 semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
<i>Noncollision event</i>																
Overtum	90	5.5	9	4.2	1	1.1	127	4.0	6	3.2	0	0.0	0	0.0	233	4.4
Fell from vehicle	15	0.9	0	0.0	1	1.1	7	0.2	1	0.5	0	0.0	0	0.0	24	0.4
Other noncollision	2	0.1	1	0.5	0	0.0	4	0.1	1	0.5	0	0.0	0	0.0	8	0.1
Thrown or falling object	1	0.1	0	0.0	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	2	0.0
Pavement surface irregularity	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0
Vehicle occupant struck	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	3.1	0	0.0	1	0.0
Jackknife	1	0.1	2	0.9	0	0.0	6	0.2	0	0.0	0	0.0	0	0.0	9	0.2
Cargo/equip loss or shift	1	0.1	1	0.5	0	0.0	3	0.1	0	0.0	0	0.0	0	0.0	5	0.1
<i>Collision with nonfixed object</i>																
Pedestrian	134	8.1	8	3.7	8	8.6	154	4.9	14	7.6	1	3.1	4	33.3	323	6.0
Pedalcycle	47	2.9	4	1.9	3	3.2	38	1.2	1	0.5	0	0.0	0	0.0	93	1.7
Railway train	14	0.9	2	0.9	1	1.1	10	0.3	0	0.0	0	0.0	0	0.0	27	0.5
Animal	1	0.1	0	0.0	0	0.0	4	0.1	3	1.6	0	0.0	0	0.0	8	0.1
Motor vehicle in transport	1166	70.8	164	76.3	63	67.7	2349	74.4	133	71.9	27	84.4	8	66.7	3910	73.2
Veh. in transport - other roadway	27	1.6	4	1.9	6	6.5	121	3.8	5	2.7	0	0.0	0	0.0	163	3.1
Parked motor vehicle	11	0.7	3	1.4	0	0.0	45	1.4	1	0.5	0	0.0	0	0.0	60	1.1
Other type - nonmotorist	2	0.1	0	0.0	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	3	0.1
Other object - not fixed	3	0.2	1	0.5	0	0.0	8	0.3	0	0.0	0	0.0	0	0.0	12	0.2
Transport device used as equip	7	0.4	1	0.5	0	0.0	4	0.1	1	0.5	0	0.0	0	0.0	13	0.2
Ridden animal/conveyance	0	0.0	0	0.0	0	0.0	2	0.1	0	0.0	0	0.0	0	0.0	2	0.0
Struck by falling/shifting cargo	2	0.1	2	0.9	0	0.0	14	0.4	3	1.6	1	3.1	0	0.0	22	0.4
Other not in-transport motor veh	0	0.0	0	0.0	0	0.0	0	0.0	1	0.5	0	0.0	0	0.0	1	0.0
<i>Collision with fixed object</i>																
Boulder	0	0.0	0	0.0	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	1	0.0
Building	0	0.0	0	0.0	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	1	0.0
Impact attenuator	1	0.1	1	0.5	0	0.0	6	0.2	1	0.5	0	0.0	0	0.0	9	0.2
Bridge pier or abutment	1	0.1	0	0.0	0	0.0	3	0.1	0	0.0	0	0.0	0	0.0	4	0.1
Bridge parapet end	0	0.0	0	0.0	0	0.0	0	0.0	2	1.1	0	0.0	0	0.0	2	0.0
Bridge rail	2	0.1	0	0.0	0	0.0	6	0.2	1	0.5	0	0.0	0	0.0	9	0.2
Guardrail	17	1.0	1	0.5	4	4.3	97	3.1	4	2.2	0	0.0	0	0.0	123	2.3
Concrete traffic barrier	10	0.6	1	0.5	2	2.2	26	0.8	2	1.1	2	6.3	0	0.0	43	0.8
Other longitudinal barrier type	1	0.1	1	0.5	0	0.0	6	0.2	0	0.0	0	0.0	0	0.0	8	0.1
Highway/traffic sign post	5	0.3	1	0.5	0	0.0	18	0.6	1	0.5	0	0.0	0	0.0	25	0.5
Utility pole	6	0.4	0	0.0	1	1.1	6	0.2	0	0.0	0	0.0	0	0.0	13	0.2
Other post, pole or supports	1	0.1	0	0.0	0	0.0	2	0.1	0	0.0	0	0.0	0	0.0	3	0.1
Culvert	3	0.2	0	0.0	0	0.0	5	0.2	0	0.0	0	0.0	0	0.0	8	0.1
Curb	6	0.4	1	0.5	0	0.0	5	0.2	0	0.0	0	0.0	0	0.0	12	0.2
Ditch	18	1.1	0	0.0	1	1.1	17	0.5	0	0.0	0	0.0	0	0.0	36	0.7
Embankment - earth	4	0.2	1	0.5	1	1.1	6	0.2	1	0.5	0	0.0	0	0.0	13	0.2
Embankment - rock,stone,etc.	1	0.1	0	0.0	0	0.0	2	0.1	1	0.5	0	0.0	0	0.0	4	0.1
Embankment - type unknown	8	0.5	0	0.0	0	0.0	12	0.4	0	0.0	0	0.0	0	0.0	20	0.4
Fence	4	0.2	0	0.0	0	0.0	3	0.1	1	0.5	0	0.0	0	0.0	8	0.1
Wall	3	0.2	1	0.5	0	0.0	3	0.1	0	0.0	0	0.0	0	0.0	7	0.1
Fire hydrant	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0
Shrubbery	0	0.0	0	0.0	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	1	0.0
Tree	22	1.3	3	1.4	1	1.1	23	0.7	1	0.5	0	0.0	0	0.0	50	0.9
Other fixed object	2	0.1	1	0.5	0	0.0	3	0.1	0	0.0	0	0.0	0	0.0	6	0.1
Snowbank	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0
Bridge overhead structure	0	0.0	0	0.0	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	1	0.0
Guardrail end	1	0.1	1	0.5	0	0.0	7	0.2	0	0.0	0	0.0	0	0.0	9	0.2
Mail box	4	0.2	0	0.0	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	5	0.1
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

Table 2-19
Fatal Truck Involvements by Vehicle Role in Accident and Truck Configuration

Vehicle role	Strt truck		Strt/1trailer		Bobtail		Trac/1 semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Non-collision	47	2.9	5	2.3	0	0.0	59	1.9	2	1.1	0	0.0	0	0.0	113	2.1
Striking	936	56.8	118	54.9	48	51.6	1529	48.4	105	56.8	13	40.6	9	75.0	2758	51.6
Struck	607	36.9	82	38.1	43	46.2	1446	45.8	70	37.8	17	53.1	3	25.0	2268	42.4
Both	57	3.5	9	4.2	2	2.2	122	3.9	7	3.8	2	6.3	0	0.0	199	3.7
Unknown	0	0.0	1	0.5	0	0.0	3	0.1	1	0.5	0	0.0	0	0.0	5	0.1
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

Table 2-20
Fatal Truck Involvements by Manner of Collision and Truck Configuration

Manner of collision	Strt truck		Strt/1trailer		Bobtail		Trac/1 semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Not applicable	434	26.4	41	19.1	24	25.8	625	19.8	41	22.2	4	12.5	4	33.3	1173	22.0
Rear-end	264	16.0	41	19.1	14	15.1	710	22.5	39	21.1	8	25.0	3	25.0	1079	20.2
Head-on	268	16.3	34	15.8	26	28.0	456	14.4	26	14.1	3	9.4	0	0.0	813	15.2
Front-to-side: same direction	34	2.1	3	1.4	1	1.1	107	3.4	7	3.8	0	0.0	1	8.3	153	2.9
Front-to-side: opp direction	170	10.3	26	12.1	9	9.7	341	10.8	15	8.1	3	9.4	0	0.0	564	10.6
Front-to-side: right angle	363	22.0	46	21.4	12	12.9	597	18.9	31	16.8	9	28.1	2	16.7	1060	19.8
Front-to-side: unk direction	14	0.9	1	0.5	0	0.0	27	0.9	1	0.5	0	0.0	1	8.3	44	0.8
Sideswipe: same direction	32	1.9	6	2.8	2	2.2	128	4.1	9	4.9	1	3.1	1	8.3	179	3.4
Sideswipe: opp direction	55	3.3	11	5.1	5	5.4	117	3.7	11	5.9	3	9.4	0	0.0	202	3.8
Rear-to-side	7	0.4	0	0.0	0	0.0	16	0.5	0	0.0	0	0.0	0	0.0	23	0.4
Rear-to-rear	0	0.0	0	0.0	0	0.0	1	0.0	1	0.5	0	0.0	0	0.0	2	0.0
Other	4	0.2	4	1.9	0	0.0	28	0.9	4	2.2	1	3.1	0	0.0	41	0.8
Unknown	2	0.1	2	0.9	0	0.0	6	0.2	0	0.0	0	0.0	0	0.0	10	0.2
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

Table 2-21
Fatal Truck Involvements by Rollover Status and Truck Configuration

Truck rollover status	Strt truck		Strt/1trailer		Bobtail		Trac/1 semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
No rollover	1368	83.1	187	87.0	83	89.2	2771	87.7	157	84.9	30	93.8	11	91.7	4607	86.2
First event	82	5.0	8	3.7	1	1.1	115	3.6	5	2.7	0	0.0	0	0.0	211	3.9
Subsequent event	197	12.0	20	9.3	9	9.7	273	8.6	23	12.4	2	6.3	1	8.3	525	9.8
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

Table 2-22
Fatal Truck Involvements by Jackknife Status and Truck Configuration

Truck jackknife status	Strt truck		Strt/1trailer		Bobtail		Trac/1 semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
None	1647	100.0	197	91.6	93	100.0	2948	93.3	157	84.9	30	93.8	12	100.0	5084	95.2
First event	0	0.0	6	2.8	0	0.0	62	2.0	7	3.8	0	0.0	0	0.0	75	1.4
Subsequent event	0	0.0	12	5.6	0	0.0	149	4.7	21	11.4	2	6.3	0	0.0	184	3.4
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

Table 2-23
Fatal Truck Involvements by Fire Occurrence and Truck Configuration

Truck fire occurrence	Strt truck		Strt/1trailer		Bobtail		Trac/1 semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
No fire	1598	97.0	204	94.9	88	94.6	2896	91.7	178	96.2	32	100.0	12	100.0	5008	93.7
Fire in vehicle	49	3.0	11	5.1	5	5.4	263	8.3	7	3.8	0	0.0	0	0.0	335	6.3
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

Table 2-24
Fatal Truck Involvements by Cargo Spillage and Truck Configuration

Truck cargo spillage	Strt truck		Strt/1trailer		Bobtail		Trac/1 semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
None	1339	81.3	163	75.8	8	8.6	2579	81.6	154	83.2	23	71.9	2	16.7	4268	79.9
Nonhazardous	218	13.2	41	19.1	0	0.0	412	13.0	20	10.8	5	15.6	0	0.0	696	13.0
Hazardous	12	0.7	2	0.9	0	0.0	50	1.6	3	1.6	0	0.0	0	0.0	67	1.3
Unknown	78	4.7	9	4.2	85	91.4	118	3.7	8	4.3	4	12.5	10	83.3	312	5.8
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

Vehicle

This section provides statistics that describe the physical configuration of trucks involved in a fatal accident in 2005. The tables cover truck configuration, cargo body and cargo type, cab style, truck model year, rollover occurrence, presence of collision avoidance systems, hazardous materials, and the type of carrier that operated the truck. Of the 5,343 trucks involved in a fatal accident in 2005, there were 3,159 tractor-semitrailers, 1,647 straight trucks with no trailer, 215 straight trucks pulling a trailer, 93 bobtail tractors, and 185 tractors pulling two trailers.

- Straight trucks with no trailer represented 30.8% of all trucks involved in a fatal accident.
- Tractor-semitrailers accounted for 59.1% of the trucks.
- Over half of the tractor-semitrailers pulled a van trailer - either a dry box van or a refrigerated van.
- 22.2% of the straight trucks had dump bodies. The next most common straight truck cargo body was a van body, with 20.2%.
- 31.2% of the trucks were empty, 20.9% were carrying general freight, and 13.2% were carrying solids in bulk (gravel, soil, etc.) at the time of the accident.
- 74.4% of the trucks involved in a fatal accident were Class 8, the heaviest Gross Vehicle Weight Rating (GVWR) class.
- 46.1% of the trucks were operated by interstate for-hire carriers, 16.9% by interstate private carriers, and 15.9% by intrastate private carriers.
- 36.5% of the trucks were on local trips (within 50 miles of base) when involved in the fatal accident.
- 35.3% of tractor-semitrailers and 40.0% of tractors with two trailers (doubles) had a speed limiter installed.
- 65 tractor-semitrailers and 19 straight trucks involved in a fatal accident were carrying flammable liquids at the time of the crash.
- 13.6% of tractor-semitrailers with a tank body style rolled over as the first event in the fatal crash, and 11.0% rolled as a subsequent event.

**Table 3-1
Fatal Truck Involvements by Truck Configuration**

Configuration	No.	Pct.
<i>Straight trucks</i>		
Straight truck only	1647	30.8
<i>Straight truck, 1 trailer</i>		
Straight + full trailer	38	0.7
Straight + other	129	2.4
Straight + other, gooseneck hitch	48	0.9
<i>Subtotal</i>	215	4.0
<i>Other straight combinations</i>		
Wrecker + tow	11	0.2
Straight, unknown if pulling trailer	5	0.1
Straight +2 full trailers	1	0.0
<i>Subtotal</i>	17	0.3
<i>Total straight trucks</i>	1879	35.2
<i>Tractor combinations</i>		
<i>Tractor, no trailers</i>		
Bobtail tractor	90	1.7
Tractor carrying cargo	3	0.1
<i>Subtotal</i>	93	1.7
<i>Tractor, 1 trailer</i>		
Tractor and semitrailer	3159	59.1
Tractor + other (nonsemitrailer)	11	0.2
<i>Subtotal</i>	3170	59.3
<i>Tractor, 2 trailers</i>		
Double with A dolly	124	2.3
Double, B train	1	0.0
Double with unknown dolly	6	0.1
Tractor + semitrailer + full trailer	53	1.0
Tractor + semtrailer + unknown	1	0.0
<i>Subtotal</i>	185	3.5
<i>Tractor, 3 trailers</i>		
Triple with A dollies	3	0.1
<i>Subtotal</i>	3	0.1
<i>Other tractor combinations</i>		
Tractor + 3 saddle mount tractors	1	0.0
<i>Subtotal</i>	1	0.0
<i>Total tractors</i>	3452	64.6
<i>Unknown</i>	12	0.2
Grand total	5343	100.0

**Table 3-2
Fatal Truck Involvements by Cargo Body Style and Truck Configuration**

Cargo body style	Strt truck		Strt/1trailer		Bobtail		Trac/1semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Tractor/no trailer	0	0.0	0	0.0	93	100.0	0	0.0	0	0.0	0	0.0	0	0.0	93	1.7
Van	332	20.2	10	4.7	0	0.0	1351	42.8	104	56.2	4	12.5	0	0.0	1801	33.7
Open top van	3	0.2	0	0.0	0	0.0	58	1.8	3	1.6	0	0.0	0	0.0	64	1.2
Refrigerated van	65	3.9	0	0.0	0	0.0	342	10.8	3	1.6	0	0.0	0	0.0	410	7.7
Livestock carrier	0	0.0	0	0.0	0	0.0	39	1.2	0	0.0	0	0.0	0	0.0	39	0.7
Flatbed	119	7.2	26	12.1	0	0.0	449	14.2	17	9.2	1	3.1	0	0.0	612	11.5
Lowboy	0	0.0	0	0.0	0	0.0	43	1.4	0	0.0	0	0.0	0	0.0	43	0.8
Flatbed with equip.	20	1.2	3	1.4	0	0.0	5	0.2	0	0.0	1	3.1	0	0.0	29	0.5
Flatbed with sides	37	2.2	6	2.8	0	0.0	14	0.4	1	0.5	0	0.0	0	0.0	58	1.1
Pole/logging	6	0.4	1	0.5	0	0.0	135	4.3	3	1.6	0	0.0	0	0.0	145	2.7
Tank:liquid/gaseous	76	4.6	8	3.7	0	0.0	250	7.9	4	2.2	0	0.0	0	0.0	338	6.3
Tank:dry bulk	2	0.1	1	0.5	0	0.0	58	1.8	6	3.2	0	0.0	0	0.0	67	1.3
Auto carrier	0	0.0	11	5.1	0	0.0	13	0.4	0	0.0	0	0.0	0	0.0	24	0.4
Dump	365	22.2	43	20.0	0	0.0	238	7.5	12	6.5	1	3.1	0	0.0	659	12.3
Hopper bottom	4	0.2	0	0.0	0	0.0	96	3.0	29	15.7	0	0.0	0	0.0	129	2.4
Refuse	118	7.2	3	1.4	0	0.0	12	0.4	0	0.0	0	0.0	0	0.0	133	2.5
Concrete mixer	65	3.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	65	1.2
Other	415	25.2	101	47.0	0	0.0	24	0.8	2	1.1	23	71.9	0	0.0	565	10.6
Unknown	20	1.2	2	0.9	0	0.0	32	1.0	1	0.5	2	6.3	12	100.0	69	1.3
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

**Table 3-3
Fatal Truck Involvements by Type of Cargo and Truck Configuration**

Type of cargo	Strt truck		Strt/1trailer		Bobtail		Trac/1 semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Empty/bobtail	555	33.7	102	47.4	90	96.8	818	25.9	43	23.2	3	9.4	0	0.0	1611	30.2
General freight	173	10.5	3	1.4	0	0.0	857	27.1	80	43.2	3	9.4	0	0.0	1116	20.9
Household goods	22	1.3	5	2.3	0	0.0	12	0.4	0	0.0	0	0.0	0	0.0	39	0.7
Building materials	22	1.3	2	0.9	0	0.0	55	1.7	1	0.5	0	0.0	0	0.0	80	1.5
Metal (coils, sheets)	4	0.2	0	0.0	0	0.0	102	3.2	0	0.0	0	0.0	0	0.0	106	2.0
Heavy machinery	19	1.2	0	0.0	0	0.0	71	2.2	0	0.0	0	0.0	0	0.0	90	1.7
Large objects	9	0.5	2	0.9	0	0.0	52	1.6	5	2.7	0	0.0	0	0.0	68	1.3
Motor vehicles	23	1.4	7	3.3	0	0.0	17	0.5	0	0.0	1	3.1	0	0.0	48	0.9
Piggyback/towaway	2	0.1	0	0.0	3	3.2	0	0.0	0	0.0	9	28.1	0	0.0	14	0.3
Gases in bulk	9	0.5	0	0.0	0	0.0	19	0.6	0	0.0	0	0.0	0	0.0	28	0.5
Solids in bulk	343	20.8	16	7.4	0	0.0	315	10.0	32	17.3	0	0.0	0	0.0	706	13.2
Liquids in bulk	57	3.5	8	3.7	0	0.0	158	5.0	3	1.6	0	0.0	0	0.0	226	4.2
Explosives	2	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.0
Logs/poles/lumber	17	1.0	2	0.9	0	0.0	150	4.7	3	1.6	0	0.0	0	0.0	172	3.2
Refrigerated foods	52	3.2	0	0.0	0	0.0	238	7.5	3	1.6	0	0.0	0	0.0	293	5.5
Mobile home	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	7	21.9	0	0.0	7	0.1
Farm products	11	0.7	0	0.0	0	0.0	25	0.8	1	0.5	0	0.0	0	0.0	37	0.7
Live animals	2	0.1	0	0.0	0	0.0	29	0.9	1	0.5	0	0.0	0	0.0	32	0.6
Other	199	12.1	31	14.4	0	0.0	6	0.2	1	0.5	2	6.3	0	0.0	239	4.5
Cargo, unk. type	13	0.8	1	0.5	0	0.0	48	1.5	1	0.5	0	0.0	0	0.0	63	1.2
Saddlemount tractor	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	6.3	0	0.0	2	0.0
Unknown	113	6.9	36	16.7	0	0.0	187	5.9	11	5.9	5	15.6	12	100.0	364	6.8
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

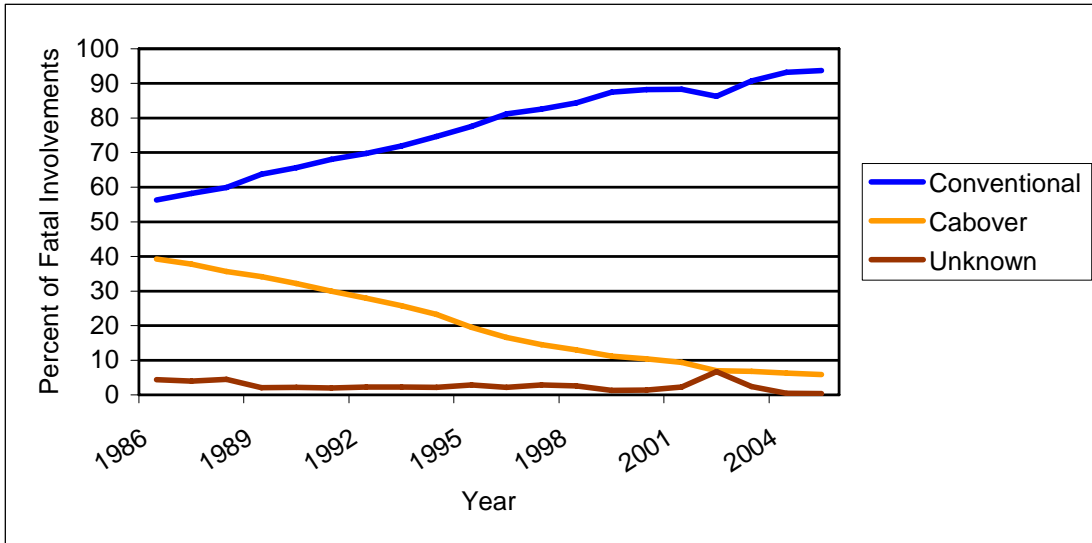
**Table 3-4
Fatal Truck Involvements by Cab Style and Truck Configuration**

Cab style	Strt truck		Strt/1trailer		Bobtail		Trac/1 semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Conventional	1405	85.3	203	94.4	91	97.8	3102	98.2	171	92.4	27	84.4	5	41.7	5004	93.7
Cabover or cab-forward	239	14.5	11	5.1	2	2.2	46	1.5	14	7.6	5	15.6	0	0.0	317	5.9
Unknown	3	0.2	1	0.5	0	0.0	11	0.3	0	0.0	0	0.0	7	58.3	22	0.4
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

**Table 3-5
Fatal Truck Involvements by Cab Style and Power Unit Model Year**

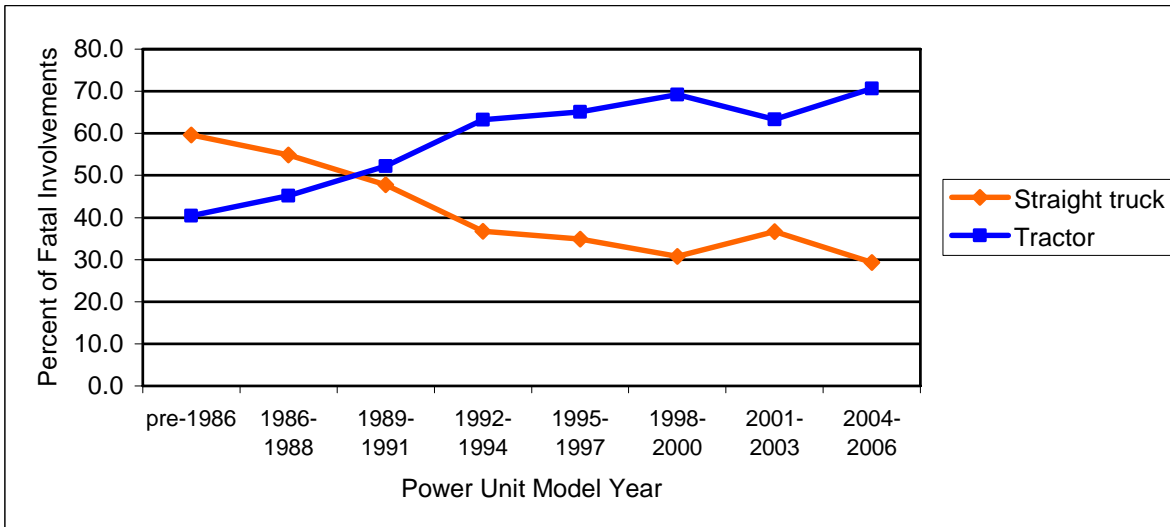
Power unit model year	Conventional		Cabover		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
1961	1	0.0	0	0.0	0	0.0	1	0.0
1963	2	0.0	0	0.0	0	0.0	2	0.0
1964	1	0.0	0	0.0	0	0.0	1	0.0
1965	0	0.0	1	0.3	0	0.0	1	0.0
1967	1	0.0	0	0.0	0	0.0	1	0.0
1968	1	0.0	0	0.0	0	0.0	1	0.0
1970	2	0.0	0	0.0	0	0.0	2	0.0
1971	1	0.0	0	0.0	0	0.0	1	0.0
1972	5	0.1	1	0.3	0	0.0	6	0.1
1973	5	0.1	0	0.0	0	0.0	5	0.1
1974	5	0.1	1	0.3	0	0.0	6	0.1
1975	6	0.1	1	0.3	0	0.0	7	0.1
1976	3	0.1	0	0.0	0	0.0	3	0.1
1977	7	0.1	0	0.0	0	0.0	7	0.1
1978	8	0.2	0	0.0	0	0.0	8	0.1
1979	27	0.5	1	0.3	0	0.0	28	0.5
1980	10	0.2	1	0.3	0	0.0	11	0.2
1981	13	0.3	0	0.0	0	0.0	13	0.2
1982	15	0.3	1	0.3	0	0.0	16	0.3
1983	4	0.1	1	0.3	0	0.0	5	0.1
1984	16	0.3	10	3.2	0	0.0	26	0.5
1985	39	0.8	9	2.8	0	0.0	48	0.9
1986	55	1.1	2	0.6	0	0.0	57	1.1
1987	32	0.6	5	1.6	1	4.5	38	0.7
1988	53	1.1	6	1.9	1	4.5	60	1.1
1989	63	1.3	7	2.2	0	0.0	70	1.3
1990	74	1.5	9	2.8	0	0.0	83	1.6
1991	65	1.3	9	2.8	1	4.5	75	1.4
1992	91	1.8	8	2.5	0	0.0	99	1.9
1993	136	2.7	7	2.2	0	0.0	143	2.7
1994	170	3.4	7	2.2	0	0.0	177	3.3
1995	265	5.3	18	5.7	0	0.0	283	5.3
1996	244	4.9	18	5.7	0	0.0	262	4.9
1997	257	5.1	16	5.0	2	9.1	275	5.1
1998	343	6.9	16	5.0	0	0.0	359	6.7
1999	437	8.7	25	7.9	0	0.0	462	8.6
2000	524	10.5	27	8.5	1	4.5	552	10.3
2001	400	8.0	23	7.3	0	0.0	423	7.9
2002	257	5.1	24	7.6	0	0.0	281	5.3
2003	350	7.0	23	7.3	0	0.0	373	7.0
2004	402	8.0	20	6.3	0	0.0	422	7.9
2005	494	9.9	18	5.7	1	4.5	513	9.6
2006	117	2.3	2	0.6	0	0.0	119	2.2
Unknown	3	0.1	0	0.0	15	68.2	18	0.3
Total	5004	100.0	317	100.0	22	100.0	5343	100.0

Figure 3-1
Fatal Truck Involvements by Cab Style and Year



Note: Data from Trucks Involved in Fatal Accidents, 1986-2005

Figure 3-2
Fatal Truck Involvements by Power Unit Type and Model Year



Data from Trucks Involved in Fatal Accidents, 2005

**Table 3-6
Fatal Truck Involvements by Power Unit Model Year and Truck Configuration**

Power unit model year	Strt truck		Strt/trailer		Bobtail		Trac/1 semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
1961	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0
1963	2	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.0
1964	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0
1965	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0
1967	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0
1968	0	0.0	0	0.0	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	1	0.0
1970	0	0.0	0	0.0	0	0.0	2	0.1	0	0.0	0	0.0	0	0.0	2	0.0
1971	0	0.0	1	0.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0
1972	3	0.2	1	0.5	0	0.0	2	0.1	0	0.0	0	0.0	0	0.0	6	0.1
1973	5	0.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5	0.1
1974	5	0.3	0	0.0	0	0.0	0	0.0	0	0.0	1	3.1	0	0.0	6	0.1
1975	4	0.2	2	0.9	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	7	0.1
1976	2	0.1	0	0.0	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	3	0.1
1977	3	0.2	1	0.5	0	0.0	3	0.1	0	0.0	0	0.0	0	0.0	7	0.1
1978	6	0.4	0	0.0	0	0.0	2	0.1	0	0.0	0	0.0	0	0.0	8	0.1
1979	16	1.0	2	0.9	0	0.0	8	0.3	1	0.5	1	3.1	0	0.0	28	0.5
1980	7	0.4	0	0.0	1	1.1	3	0.1	0	0.0	0	0.0	0	0.0	11	0.2
1981	9	0.5	1	0.5	0	0.0	3	0.1	0	0.0	0	0.0	0	0.0	13	0.2
1982	7	0.4	2	0.9	0	0.0	6	0.2	0	0.0	0	0.0	1	8.3	16	0.3
1983	4	0.2	0	0.0	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	5	0.1
1984	6	0.4	1	0.5	1	1.1	13	0.4	3	1.6	2	6.3	0	0.0	26	0.5
1985	22	1.3	2	0.9	0	0.0	23	0.7	0	0.0	1	3.1	0	0.0	48	0.9
1986	30	1.8	4	1.9	0	0.0	21	0.7	2	1.1	0	0.0	0	0.0	57	1.1
1987	17	1.0	1	0.5	2	2.2	17	0.5	0	0.0	1	3.1	0	0.0	38	0.7
1988	25	1.5	6	2.8	0	0.0	26	0.8	1	0.5	2	6.3	0	0.0	60	1.1
1989	25	1.5	3	1.4	2	2.2	37	1.2	3	1.6	0	0.0	0	0.0	70	1.3
1990	36	2.2	8	3.7	1	1.1	37	1.2	1	0.5	0	0.0	0	0.0	83	1.6
1991	34	2.1	2	0.9	1	1.1	33	1.0	3	1.6	2	6.3	0	0.0	75	1.4
1992	41	2.5	3	1.4	1	1.1	52	1.6	2	1.1	0	0.0	0	0.0	99	1.9
1993	45	2.7	5	2.3	2	2.2	86	2.7	2	1.1	3	9.4	0	0.0	143	2.7
1994	56	3.4	2	0.9	4	4.3	111	3.5	3	1.6	1	3.1	0	0.0	177	3.3
1995	103	6.3	10	4.7	2	2.2	157	5.0	10	5.4	0	0.0	1	8.3	283	5.3
1996	73	4.4	4	1.9	5	5.4	170	5.4	7	3.8	3	9.4	0	0.0	262	4.9
1997	81	4.9	13	6.0	7	7.5	163	5.2	10	5.4	1	3.1	0	0.0	275	5.1
1998	82	5.0	12	5.6	12	12.9	245	7.8	7	3.8	1	3.1	0	0.0	359	6.7
1999	141	8.6	15	7.0	11	11.8	275	8.7	18	9.7	2	6.3	0	0.0	462	8.6
2000	151	9.2	18	8.4	8	8.6	350	11.1	23	12.4	2	6.3	0	0.0	552	10.3
2001	120	7.3	28	13.0	10	10.8	246	7.8	17	9.2	1	3.1	1	8.3	423	7.9
2002	93	5.6	13	6.0	3	3.2	158	5.0	11	5.9	3	9.4	0	0.0	281	5.3
2003	122	7.4	13	6.0	6	6.5	215	6.8	14	7.6	2	6.3	1	8.3	373	7.0
2004	123	7.5	24	11.2	3	3.2	255	8.1	16	8.6	1	3.1	0	0.0	422	7.9
2005	125	7.6	15	7.0	8	8.6	339	10.7	25	13.5	1	3.1	0	0.0	513	9.6
2006	18	1.1	3	1.4	3	3.2	90	2.8	4	2.2	1	3.1	0	0.0	119	2.2
Unknown	1	0.1	0	0.0	0	0.0	7	0.2	2	1.1	0	0.0	8	66.7	18	0.3
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

Table 3-7
Fatal Truck Involvements by Gross Vehicle Weight Rating and Truck Configuration

Gross vehicle weight rating	Strt truck		Strt/1trailer		Bobtail		Trac/1semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Class 3: 10,001-14,000	349	21.2	98	45.6	0	0.0	1	0.0	0	0.0	4	12.5	0	0.0	452	8.5
Class 4: 14,001-16,000	100	6.1	18	8.4	0	0.0	0	0.0	0	0.0	2	6.3	0	0.0	120	2.2
Class 5: 16,001-19,500	95	5.8	15	7.0	0	0.0	0	0.0	0	0.0	2	6.3	0	0.0	112	2.1
Class 6: 19,501-26,000	245	14.9	9	4.2	0	0.0	5	0.2	0	0.0	2	6.3	0	0.0	261	4.9
Class 7: 26,001-33,000	192	11.7	15	7.0	4	4.3	93	2.9	72	38.9	5	15.6	0	0.0	381	7.1
Class 8: 33,001 or more	643	39.0	58	27.0	88	94.6	3052	96.6	111	60.0	17	53.1	5	41.7	3974	74.4
Unknown	23	1.4	2	0.9	1	1.1	8	0.3	2	1.1	0	0.0	7	58.3	43	0.8
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

Note: Gross Vehicle Weight Rating (GVWR) pertains to the power unit.

Table 3-8
Fatal Truck Involvements by Gross Combination Weight Rating and Truck Configuration

Gross combination weight rating	Strt truck		Strt/1trailer		Bobtail		Trac/1 semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
10,000-26,000 lbs	789	47.9	140	65.1	0	0.0	6	0.2	0	0.0	10	31.3	0	0.0	945	17.7
Over 26,000 lbs	834	50.6	73	34.0	92	98.9	3145	99.6	183	98.9	22	68.8	5	41.7	4354	81.5
Unknown	24	1.5	2	0.9	1	1.1	8	0.3	2	1.1	0	0.0	7	58.3	44	0.8
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

Table 3-9
Fatal Truck Involvements by Carrier Type and Truck Configuration

Carrier type	Strt truck		Strt/1trailer		Bobtail		Trac/1semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Interstate private	376	22.8	45	20.9	11	11.8	454	14.4	13	7.0	3	9.4	1	8.3	903	16.9
Interstate for-hire	169	10.3	24	11.2	59	63.4	2076	65.7	122	65.9	12	37.5	0	0.0	2462	46.1
Intrastate private	562	34.1	76	35.3	5	5.4	189	6.0	13	7.0	7	21.9	0	0.0	852	15.9
Intrastate for-hire	212	12.9	19	8.8	7	7.5	272	8.6	23	12.4	6	18.8	0	0.0	539	10.1
Personal use only	95	5.8	17	7.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	112	2.1
Government owned	73	4.4	10	4.7	0	0.0	10	0.3	0	0.0	0	0.0	0	0.0	93	1.7
Daily rental	22	1.3	5	2.3	0	0.0	4	0.1	0	0.0	0	0.0	0	0.0	31	0.6
Unknown	138	8.4	19	8.8	11	11.8	154	4.9	14	7.6	4	12.5	11	91.7	351	6.6
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

**Table 3-10
Fatal Truck Involvements by Trip Type and Truck Configuration**

Trip type	Strt truck		Strt/1trailer		Bobtail		Trac/1 semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Local	1098	66.7	118	54.9	38	40.9	648	20.5	38	20.5	10	31.3	0	0.0	1950	36.5
51-100 miles	137	8.3	24	11.2	11	11.8	335	10.6	15	8.1	2	6.3	0	0.0	524	9.8
101-150	51	3.1	4	1.9	4	4.3	175	5.5	14	7.6	1	3.1	0	0.0	249	4.7
151-200	22	1.3	8	3.7	1	1.1	180	5.7	10	5.4	1	3.1	0	0.0	222	4.2
201-500	25	1.5	14	6.5	5	5.4	527	16.7	44	23.8	6	18.8	0	0.0	621	11.6
Over 500	23	1.4	10	4.7	11	11.8	575	18.2	22	11.9	3	9.4	0	0.0	644	12.1
Unk over-the-road dist.	9	0.5	9	4.2	1	1.1	140	4.4	8	4.3	1	3.1	0	0.0	168	3.1
Unknown	282	17.1	28	13.0	22	23.7	579	18.3	34	18.4	8	25.0	12	100.0	965	18.1
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

**Table 3-11
Fatal Truck Involvements by Presence of Advanced Safety and Security Systems and Truck Configuration**

Advanced safety and security systems present	Strt truck		Strt/1trailer		Bobtail		Trac/1 semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
None/unknown	1371	83.2	194	90.2	70	75.3	1989	63.0	109	58.9	30	93.8	12	100.0	3775	70.7
Headway detection/forward crash warning	1	0.1	0	0.0	2	2.2	26	0.8	0	0.0	0	0.0	0	0.0	29	0.5
Side/object detection	3	0.2	0	0.0	0	0.0	25	0.8	0	0.0	0	0.0	0	0.0	28	0.5
Lane departure warning	2	0.1	0	0.0	0	0.0	13	0.4	0	0.0	0	0.0	0	0.0	15	0.3
Rollover warning	1	0.1	0	0.0	1	1.1	12	0.4	0	0.0	0	0.0	0	0.0	14	0.3
Electronic stability control	6	0.4	1	0.5	0	0.0	22	0.7	0	0.0	0	0.0	0	0.0	29	0.5
Power unit tracking	32	1.9	3	1.4	7	7.5	283	9.0	13	7.0	2	6.3	0	0.0	340	6.4
Trailer tracking	2	0.1	1	0.5	0	0.0	67	2.1	1	0.5	0	0.0	0	0.0	71	1.3
Speed limiter	262	15.9	19	8.8	22	23.7	1115	35.3	74	40.0	0	0.0	0	0.0	1492	27.9
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

Note: Since more than one system can be recorded per involvement, percents are calculated based on total involvements, not total devices.

**Table 3-12
Fatal Truck Involvements by Presence of Hazardous Materials Placard and Truck Configuration**

Hazardous materials placard	Strt truck		Strt/1trailer		Bobtail		Trac/1 semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Yes	43	2.6	8	3.7	0	0.0	131	4.1	4	2.2	0	0.0	0	0.0	186	3.5
No	1567	95.1	202	94.0	8	8.6	2994	94.8	178	96.2	29	90.6	1	8.3	4979	93.2
Unknown	37	2.2	5	2.3	85	91.4	34	1.1	3	1.6	3	9.4	11	91.7	178	3.3
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

Table 3-13
Fatal Truck Involvements by Presence of Hazardous Materials Class and Truck Configuration

Hazardous materials class	Strt truck		Strt/1trailer		Bobtail		Trac/1 semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Explosives	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Compressed gases	13	0.8	1	0.5	0	0.0	26	0.8	0	0.0	0	0.0	0	0.0	40	0.7
Flammable liquids	19	1.2	7	3.3	0	0.0	65	2.1	0	0.0	0	0.0	0	0.0	91	1.7
Fammable solids	0	0.0	0	0.0	0	0.0	2	0.1	0	0.0	0	0.0	0	0.0	2	0.0
Oxidizing substances	0	0.0	0	0.0	0	0.0	3	0.1	1	0.5	0	0.0	0	0.0	4	0.1
Poisonous substances	1	0.1	0	0.0	0	0.0	2	0.1	0	0.0	0	0.0	0	0.0	3	0.1
Radioactive materials	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Corrosive liquids	0	0.0	0	0.0	0	0.0	13	0.4	0	0.0	0	0.0	0	0.0	13	0.2
Misc. hazardous substances	2	0.1	0	0.0	0	0.0	12	0.4	3	1.6	0	0.0	0	0.0	17	0.3
Not applicable/not carrying hazmat	1567	95.1	202	94.0	8	8.6	2994	94.8	178	96.2	29	90.6	1	8.3	4979	93.2
Unknown	45	2.7	5	2.3	85	91.4	42	1.3	3	1.6	3	9.4	11	91.7	194	3.6
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

Table 3-14
Fatal Truck Involvements by Rollover Status and Cargo Body Style – STRAIGHT TRUCKS ONLY

Truck rollover status	Van		Flatbed		Tank		Dump		Refuse		Concrete Mixer		Other		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
No rollover	346	86.5	139	79.0	55	70.5	299	81.0	105	89.0	53	81.5	352	83.6	19	95.0	1368	83.1
First event	15	3.8	14	8.0	8	10.3	14	3.8	2	1.7	7	10.8	22	5.2	0	0.0	82	5.0
Subsequent event	39	9.8	23	13.1	15	19.2	56	15.2	11	9.3	5	7.7	47	11.2	1	5.0	197	12.0
Total	400	100.0	176	100.0	78	100.0	369	100.0	118	100.0	65	100.0	421	100.0	20	100.0	1647	100.0

Table 3-15
Fatal Truck Involvements by Rollover Status and Cargo Body Style – STRAIGHT/ 1 TRAILER

Truck rollover status	Van		Flatbed		Tank		Dump		Refuse		Other		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
No rollover	7	70.0	31	88.6	5	55.6	40	93.0	3	100.0	99	87.6	2.0	100.0	187	87.0
First event	0	0.0	1	2.9	3	33.3	1	2.3	0	0.0	3	2.7	0.0	0.0	8	3.7
Subsequent event	3	30.0	3	8.6	1	11.1	2	4.7	0	0.0	11	9.7	0.0	0.0	20	9.3
Total	10	100.0	35	100.0	9	100.0	43	100.0	3	100.0	113	100.0	2.0	100.0	215	100.0

Table 3-16
Fatal Truck Involvements by Rollover Status – BOBTAILS

Truck rollover status	Total	
	No.	Pct.
No rollover	83	89.2
First event	1	1.1
Subsequent event	9	9.7
Total	93	100.0

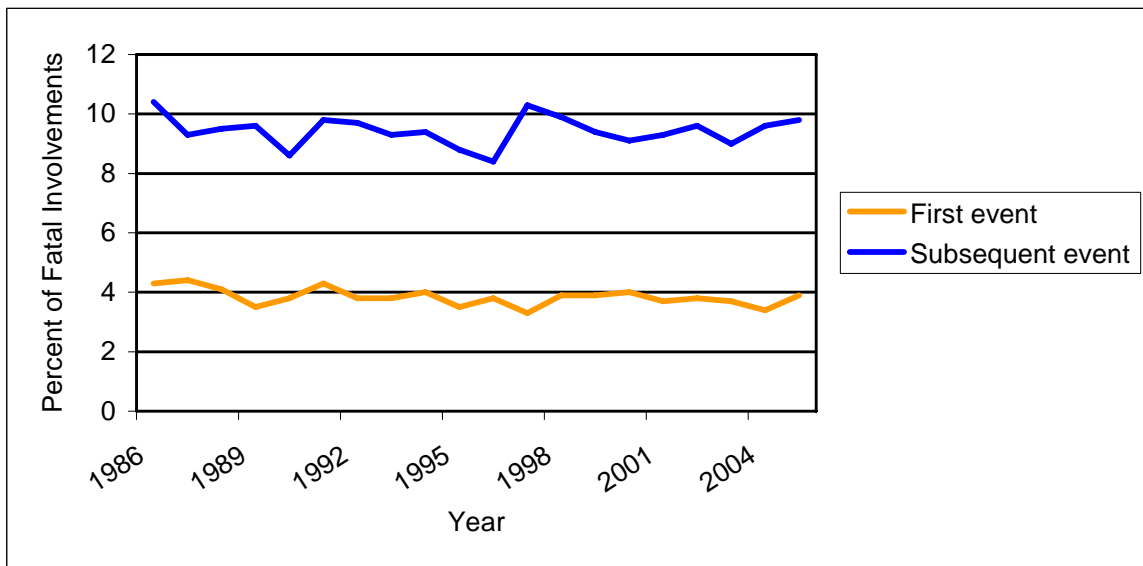
Table 3-17
Fatal Truck Involvements by Rollover Status and Cargo Body Style – TRACTOR/ 1 TRAILER

Truck rollover status	Van		Flatbed		Tank		Dump		Livestock		Pole/logging		Other		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
No rollover	1587	90.6	460	89.8	232	75.3	280	83.8	33	84.6	109	80.7	50	86.2	31	93.9	2782	87.8
First event	35	2.0	14	2.7	42	13.6	12	3.6	3	7.7	7	5.2	2	3.4	0	0.0	115	3.6
Subsequent event	129	7.4	38	7.4	34	11.0	42	12.6	3	7.7	19	14.1	6	10.3	2	6.1	273	8.6
Total	1751	100.0	512	100.0	308	100.0	334	100.0	39	100.0	135	100.0	58	100.0	33	100.0	3170	100.0

Table 3-18
Fatal Truck Involvements by Rollover Status and Cargo Body Style – TRACTOR/ 2 TRAILERS

Truck rollover status	Van		Flatbed		Tank		Dump		Pole/logging		Other		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
No rollover	91	82.7	17	94.4	8	80.0	37	90.2	2	66.7	2	100.0	0	0.0	157	84.9
First event	3	2.7	1	5.6	1	10.0	0	0.0	0	0.0	0	0.0	0	0.0	5	2.7
Subsequent event	16	14.5	0	0.0	1	10.0	4	9.8	1	33.3	0	0.0	1	100.0	23	12.4
Total	110	100.0	18	100.0	10	100.0	41	100.0	3	100.0	2	100.0	1	100.0	185	100.0

Figure 3-3
Fatal Truck Involvements by Rollover Status and Year



Note: Data from Trucks Involved in Fatal Accidents, 1986-2005

Driver

This section provides statistics on the drivers of trucks involved in fatal traffic accidents. Tables cover driver age, sex, alcohol or drug use, safety belt use, driver injury, compensation, hours driven, licensing, previous driving record, and driver factors related to the accident.

- 2.4% of truck drivers involved in a fatal traffic accident had been drinking.
- Drug use was reported for 1.0% of truck drivers in a fatal crash.
- 96.0% of truck drivers involved in a fatal accident were male.
- 778 truck drivers were fatally injured in a traffic accident.
- 1.7% of truck drivers involved in a fatal accident were recorded as drowsy or asleep.
- Failure to stay in lane was the most common driver factor recorded (13.2%), followed by driving too fast (7.3%), inattentive (5.2%), and failure to yield (4.1%). Cellular phone in use was cited for 0.2% of drivers.
- 60.3% of truck drivers had no driver factors recorded.
- 41.3% of straight truck drivers are paid by the hour, compared with 13.6% of tractor-semitrailer drivers. Drivers of tractor-semitrailers are most commonly paid by the mile (24.1%), compared to 0.9% of straight truck drivers. However, method of compensation could not be determined in 37.2% of involvements.
- Drivers of government-owned and private company trucks are predominately paid by the hour, 75.3% and 41.9%, respectively.
- Drivers of 20.7% of Intrastate trucks and 13.7% of Interstate trucks had been driving one hour or less at the time of the accident.

Injuries are classified according to severity under the following levels:

Severity category	Definition
K	Fatal injury
A	Incapacitating injury
B	Evident but not incapacitating
C	Complaint of pain
O	No injury

**Table 4-1
Fatal Truck Involvements by Driver Drinking Status and Truck Configuration**

Truck driver drinking	Strt truck		Strt/1trailer		Bobtail		Trac/1 semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
No drinking	1574	95.6	210	97.7	92	98.9	3110	98.4	185	100.0	32	100.0	12	100.0	5215	97.6
Drinking	73	4.4	5	2.3	1	1.1	49	1.6	0	0.0	0	0.0	0	0.0	128	2.4
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

**Table 4-2
Fatal Truck Involvements by Driver Drug Use and Truck Configuration**

Truck driver drug use	Strt truck		Strt/1trailer		Bobtail		Trac/1semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
No drugs	487	29.6	71	33.0	26	28.0	1009	31.9	57	30.8	12	37.5	3	25.0	1665	31.2
Drugs involved	27	1.6	2	0.9	1	1.1	22	0.7	0	0.0	0	0.0	0	0.0	52	1.0
Not reported	1048	63.6	135	62.8	64	68.8	1934	61.2	117	63.2	17	53.1	6	50.0	3321	62.2
Reported unk	85	5.2	7	3.3	2	2.2	194	6.1	11	5.9	3	9.4	3	25.0	305	5.7
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

**Table 4-3
Fatal Truck Involvements by Driver Age and Truck Configuration**

Age (years)	Strt truck		Strt/1trailer		Bobtail		Trac/1semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
11-20	32	1.9	5	2.3	1	1.1	6	0.2	0	0.0	0	0.0	0	0.0	44	0.8
21-25	152	9.2	18	8.4	4	4.3	115	3.6	3	1.6	2	6.3	0	0.0	294	5.5
26-30	181	11.0	17	7.9	9	9.7	230	7.3	6	3.2	9	28.1	1	8.3	453	8.5
31-35	216	13.1	28	13.0	6	6.5	362	11.5	22	11.9	1	3.1	0	0.0	635	11.9
36-40	210	12.8	24	11.2	13	14.0	397	12.6	18	9.7	0	0.0	1	8.3	663	12.4
41-45	241	14.6	37	17.2	20	21.5	468	14.8	37	20.0	4	12.5	0	0.0	807	15.1
46-50	195	11.8	30	14.0	13	14.0	505	16.0	26	14.1	7	21.9	2	16.7	778	14.6
51-55	153	9.3	17	7.9	12	12.9	446	14.1	38	20.5	2	6.3	0	0.0	668	12.5
56-60	121	7.3	22	10.2	9	9.7	317	10.0	16	8.6	3	9.4	1	8.3	489	9.2
61-65	71	4.3	9	4.2	4	4.3	174	5.5	11	5.9	1	3.1	2	16.7	272	5.1
66-70	31	1.9	5	2.3	1	1.1	79	2.5	4	2.2	1	3.1	1	8.3	122	2.3
71-75	13	0.8	0	0.0	0	0.0	17	0.5	0	0.0	0	0.0	0	0.0	30	0.6
> 75	9	0.5	1	0.5	1	1.1	6	0.2	0	0.0	0	0.0	0	0.0	17	0.3
Unknown	22	1.3	2	0.9	0	0.0	37	1.2	4	2.2	2	6.3	4	33.3	71	1.3
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

**Table 4-4
Fatal Truck Involvements by Driver Sex and Truck Configuration**

Driver sex	Strt truck		Strt/1trailer		Bobtail		Trac/1 semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Male	1577	95.7	207	96.3	91	97.8	3041	96.3	178	96.2	29	90.6	8	66.7	5131	96.0
Female	48	2.9	6	2.8	2	2.2	83	2.6	5	2.7	1	3.1	0	0.0	145	2.7
Unknown	22	1.3	2	0.9	0	0.0	35	1.1	2	1.1	2	6.3	4	33.3	67	1.3
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

**Table 4-5
Fatal Truck Involvements by Driver Restraint Use and Truck Configuration**

Restraint use	Strt truck		Strt/1trailer		Bobtail		Trac/1 semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
None used or N/A	356	21.6	44	20.5	17	18.3	369	11.7	28	15.1	4	12.5	0	0.0	818	15.3
Shoulder belt	4	0.2	0	0.0	0	0.0	8	0.3	2	1.1	0	0.0	0	0.0	14	0.3
Lap belt	58	3.5	7	3.3	5	5.4	94	3.0	9	4.9	3	9.4	0	0.0	176	3.3
Lap and shoulder	1085	65.9	146	67.9	63	67.7	2397	75.9	126	68.1	21	65.6	7	58.3	3845	72.0
Used, type unk	5	0.3	0	0.0	0	0.0	11	0.3	1	0.5	0	0.0	0	0.0	17	0.3
Belt use improper	1	0.1	0	0.0	0	0.0	3	0.1	0	0.0	0	0.0	0	0.0	4	0.1
Unknown	138	8.4	18	8.4	8	8.6	277	8.8	19	10.3	4	12.5	5	41.7	469	8.8
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

**Table 4-6
Fatal Truck Involvements by Driver Injury Severity and Truck Configuration**

Driver injury severity	Strt truck		Strt/1trailer		Bobtail		Trac/1 semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Fatal injury (K)	264	16.0	35	16.3	13	14.0	436	13.8	28	15.1	2	6.3	0	0.0	778	14.6
Incapacitating (A)	113	6.9	10	4.7	6	6.5	125	4.0	9	4.9	0	0.0	0	0.0	263	4.9
Non-incapacitating (B)	207	12.6	26	12.1	10	10.8	260	8.2	13	7.0	1	3.1	0	0.0	517	9.7
Complaint of pain (C)	206	12.5	21	9.8	13	14.0	313	9.9	21	11.4	3	9.4	2	16.7	579	10.8
No injury (O)	829	50.3	120	55.8	51	54.8	1987	62.9	111	60.0	24	75.0	7	58.3	3129	58.6
Unknown	28	1.7	3	1.4	0	0.0	38	1.2	3	1.6	2	6.3	3	25.0	77	1.4
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

Table 4-7
Fatal Truck Involvements by Driver Injury Severity and Rollover, Fire, Ejection Status

Rollover, fire ejection	Fatal injury (K)		Incapaci- tating (A)		Non-incapa- citating (B)		Complaint of pain (C)		No injury (O)		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Rollover only	205	26.3	57	21.7	95	18.4	65	11.2	92	2.9	2	2.6	516	9.7
Fire only	82	10.5	26	9.9	38	7.4	26	4.5	63	2.0	1	1.3	236	4.4
Ejection only	56	7.2	3	1.1	2	0.4	2	0.3	1	0.0	0	0.0	64	1.2
Rollover and fire	47	6.0	7	2.7	7	1.4	1	0.2	2	0.1	0	0.0	64	1.2
Rollover & ejection	121	15.6	10	3.8	2	0.4	2	0.3	1	0.0	1	1.3	137	2.6
Fire and ejection	14	1.8	1	0.4	0	0.0	0	0.0	0	0.0	0	0.0	15	0.3
Rollover, fire, & eject	11	1.4	1	0.4	0	0.0	0	0.0	0	0.0	0	0.0	12	0.2
None	234	30.1	157	59.7	373	72.1	482	83.2	2967	94.8	18	23.4	4231	79.2
Unknown	8	1.0	1	0.4	0	0.0	1	0.2	3	0.1	55	71.4	68	1.3
Total	778	100.0	263	100.0	517	100.0	579	100.0	3129	100.0	77	100.0	5343	100.0

Table 4-8
Fatal Truck Involvements by Driver Extrication and Truck Configuration

Driver extrication	Strt truck		Strt/1trailer		Bobtail		Trac/1 semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Not extricated	1507	91.5	198	92.1	89	95.7	2964	93.8	170	91.9	30	93.8	11	91.7	4969	93.0
Extricated	98	6.0	12	5.6	3	3.2	128	4.1	12	6.5	0	0.0	0	0.0	253	4.7
Unknown	42	2.6	5	2.3	1	1.1	67	2.1	3	1.6	2	6.3	1	8.3	121	2.3
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

Table 4-9
Fatal Truck Involvements by Reported Hours Driven and Truck Configuration

Hours driven	Strt truck		Strt/1trailer		Bobtail		Trac/1 semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
1 hr	301	18.3	46	21.4	24	25.8	419	13.3	29	15.7	2	6.3	0	0.0	821	15.4
2 hrs	145	8.8	23	10.7	8	8.6	271	8.6	12	6.5	5	15.6	0	0.0	464	8.7
3 hrs	98	6.0	8	3.7	6	6.5	194	6.1	17	9.2	0	0.0	0	0.0	323	6.0
4-5 hrs	126	7.7	16	7.4	2	2.2	330	10.4	14	7.6	4	12.5	0	0.0	492	9.2
6-7 hrs	75	4.6	7	3.3	2	2.2	213	6.7	16	8.6	3	9.4	0	0.0	316	5.9
8-9 hrs	44	2.7	7	3.3	0	0.0	139	4.4	10	5.4	3	9.4	0	0.0	203	3.8
10-11 hrs	5	0.3	1	0.5	2	2.2	43	1.4	1	0.5	0	0.0	0	0.0	52	1.0
12-18 hrs	1	0.1	0	0.0	0	0.0	11	0.3	0	0.0	0	0.0	0	0.0	12	0.2
> 18 hrs	0	0.0	1	0.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0
Unknown, legal	151	9.2	14	6.5	7	7.5	459	14.5	23	12.4	1	3.1	0	0.0	655	12.3
Unk, not legal	2	0.1	1	0.5	1	1.1	10	0.3	0	0.0	0	0.0	0	0.0	14	0.3
Unknown/NA	699	42.4	91	42.3	41	44.1	1070	33.9	63	34.1	14	43.8	12	100.0	1990	37.2
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

Table 4-10
Fatal Truck Involvements by Reported Hours Driven and Trip Type

Hours driven	Local		51-100 mi		101-150 mi		151-200 mi		201-500 mi		Over 500 mi		Unknown over-the-road		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
1 hr	458	23.5	102	19.5	40	16.1	21	9.5	78	12.6	76	11.8	12	7.1	34	3.5	821	15.4
2 hrs	188	9.6	79	15.1	35	14.1	36	16.2	63	10.1	49	7.6	4	2.4	10	1.0	464	8.7
3 hrs	119	6.1	45	8.6	29	11.6	21	9.5	60	9.7	35	5.4	5	3.0	9	0.9	323	6.0
4-5 hrs	190	9.7	57	10.9	29	11.6	38	17.1	90	14.5	70	10.9	9	5.4	9	0.9	492	9.2
6-7 hrs	85	4.4	33	6.3	25	10.0	24	10.8	68	11.0	64	9.9	6	3.6	11	1.1	316	5.9
8-9 hrs	67	3.4	18	3.4	8	3.2	10	4.5	50	8.1	44	6.8	3	1.8	3	0.3	203	3.8
10-11 hrs	7	0.4	3	0.6	5	2.0	4	1.8	10	1.6	20	3.1	2	1.2	1	0.1	52	1.0
12-18 hrs	2	0.1	0	0.0	0	0.0	0	0.0	5	0.8	4	0.6	0	0.0	1	0.1	12	0.2
> 18 hrs	0	0.0	0	0.0	1	0.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0
Unknown, legal	207	10.6	57	10.9	27	10.8	31	14.0	65	10.5	112	17.4	38	22.6	118	12.2	655	12.3
Unk, not legal	1	0.1	0	0.0	1	0.4	0	0.0	4	0.6	5	0.8	0	0.0	3	0.3	14	0.3
Unknown/NA	626	32.1	130	24.8	49	19.7	37	16.7	128	20.6	165	25.6	89	53.0	766	79.4	1990	37.2
Total	1950	100.0	524	100.0	249	100.0	222	100.0	621	100.0	644	100.0	168	100.0	965	100.0	5343	100.0

Table 4-11
Fatal Truck Involvements by Reported Hours Driven and Operating Authority

Hours driven	Private		For hire		Personal use		Govt		Rental		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
1 hr	350	19.1	417	13.7	22	19.6	15	16.1	4	12.9	13	5.9	821	15.4
2 hrs	174	9.5	269	8.8	3	2.7	10	10.8	2	6.5	6	2.7	464	8.7
3 hrs	118	6.4	192	6.3	0	0.0	11	11.8	0	0.0	2	0.9	323	6.0
4-5 hrs	170	9.3	305	10.0	0	0.0	12	12.9	1	3.2	4	1.8	492	9.2
6-7 hrs	100	5.5	210	6.9	0	0.0	3	3.2	0	0.0	3	1.4	316	5.9
8-9 hrs	62	3.4	137	4.5	0	0.0	3	3.2	1	3.2	0	0.0	203	3.8
10-11 hrs	5	0.3	46	1.5	0	0.0	0	0.0	1	3.2	0	0.0	52	1.0
12-18 hrs	1	0.1	10	0.3	0	0.0	0	0.0	0	0.0	1	0.5	12	0.2
>18 hrs	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0
Unknown, legal	189	10.3	433	14.2	4	3.6	8	8.6	4	12.9	17	7.7	655	12.3
Unk, not legal	1	0.1	12	0.4	0	0.0	0	0.0	0	0.0	1	0.5	14	0.3
Unknown/NA	661	36.1	1023	33.5	83	74.1	31	33.3	18	58.1	174	78.7	1990	37.2
Total	1832	100.0	3054	100.0	112	100.0	93	100.0	31	100.0	221	100.0	5343	100.0

Table 4-12
Fatal Truck Involvements by Reported Hours Driven and Area of Operation

Hours driven	Interstate		Intrastate		Personal use		Govt		Rental		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
1 hr	471	13.7	295	20.7	22	19.6	15	16.1	4	12.9	14	5.5	821	15.4
2 hrs	313	9.1	131	9.2	3	2.7	10	10.8	2	6.5	5	2.0	464	8.7
3 hrs	221	6.4	87	6.1	0	0.0	11	11.8	0	0.0	4	1.6	323	6.0
4-5 hrs	347	10.1	128	9.0	0	0.0	12	12.9	1	3.2	4	1.6	492	9.2
6-7 hrs	240	7.0	72	5.1	0	0.0	3	3.2	0	0.0	1	0.4	316	5.9
8-9 hrs	153	4.5	46	3.2	0	0.0	3	3.2	1	3.2	0	0.0	203	3.8
10-11 hrs	44	1.3	7	0.5	0	0.0	0	0.0	1	3.2	0	0.0	52	1.0
12-18 hrs	11	0.3	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0	12	0.2
> 18 hrs	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0
Unknown, legal	475	13.9	137	9.6	4	3.6	8	8.6	4	12.9	27	10.6	655	12.3
Unk, not legal	11	0.3	2	0.1	0	0.0	0	0.0	0	0.0	1	0.4	14	0.3
Unknown/NA	1142	33.3	517	36.3	83	74.1	31	33.3	18	58.1	199	78.0	1990	37.2
Total	3428	100.0	1424	100.0	112	100.0	93	100.0	31	100.0	255	100.0	5343	100.0

Table 4-13
Fatal Truck Involvements by Reported Hours Driven and Area of Operation – STRAIGHT TRUCKS ONLY

Hours driven	Interstate		Intrastate		Personal use		Govt		Rental		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
1 hr	103	16.2	196	22.0	22	19.6	14	16.9	4	14.8	9	6.9	348	18.5
2 hrs	71	11.2	82	9.2	3	2.7	9	10.8	2	7.4	3	2.3	170	9.0
3 hrs	44	6.9	51	5.7	0	0.0	10	12.0	0	0.0	1	0.8	106	5.6
4-5 hrs	57	9.0	75	8.4	0	0.0	9	10.8	1	3.7	1	0.8	143	7.6
6-7 hrs	38	6.0	42	4.7	0	0.0	3	3.6	0	0.0	0	0.0	83	4.4
8-9 hrs	22	3.5	25	2.8	0	0.0	3	3.6	1	3.7	0	0.0	51	2.7
10-11 hrs	4	0.6	2	0.2	0	0.0	0	0.0	0	0.0	0	0.0	6	0.3
12-18 hrs	1	0.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.1
>18 hrs	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0	1	0.1
Unknown, legal	62	9.8	77	8.6	4	3.6	8	9.6	2	7.4	13	9.9	166	8.8
Unk, not legal	1	0.2	1	0.1	0	0.0	0	0.0	0	0.0	1	0.8	3	0.2
Unknown/NA	232	36.5	339	38.0	83	74.1	27	32.5	17	63.0	103	78.6	801	42.6
Total	635	100.0	891	100.0	112	100.0	83	100.0	27	100.0	131	100.0	1879	100.0

Table 4-14
Fatal Truck Involvements by Reported Hours Driven and Area of Operation – TRACTORS ONLY

Hours driven	Interstate		Intrastate		Govt		Rental		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
1 hr	368	13.2	99	18.6	1	10.0	0	0.0	5	4.4	473	13.7
2 hrs	242	8.7	49	9.2	1	10.0	0	0.0	2	1.8	294	8.5
3 hrs	177	6.3	36	6.8	1	10.0	0	0.0	3	2.6	217	6.3
4-5 hrs	290	10.4	53	9.9	3	30.0	0	0.0	3	2.6	349	10.1
6-7 hrs	202	7.2	30	5.6	0	0.0	0	0.0	1	0.9	233	6.7
8-9 hrs	131	4.7	21	3.9	0	0.0	0	0.0	0	0.0	152	4.4
10-11 hrs	40	1.4	5	0.9	0	0.0	1	25.0	0	0.0	46	1.3
12-18 hrs	10	0.4	1	0.2	0	0.0	0	0.0	0	0.0	11	0.3
Unknown, legal	413	14.8	60	11.3	0	0.0	2	50.0	14	12.3	489	14.2
Unk, not legal	10	0.4	1	0.2	0	0.0	0	0.0	0	0.0	11	0.3
Unknown/NA	908	32.5	178	33.4	4	40.0	1	25.0	86	75.4	1177	34.1
Total	2791	100.0	533	100.0	10	100.0	4	100.0	114	100.0	3452	100.0

Table 4-15
Fatal Truck Involvements by Number of Previous Accidents and Truck Configuration

No. of previous accidents	Strt truck		Strt/trailer		Bobtail		Trac/1 semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
0	1284	78.0	163	75.8	76	81.7	2348	74.3	138	74.6	24	75.0	5	41.7	4038	75.6
1	190	11.5	26	12.1	9	9.7	355	11.2	27	14.6	4	12.5	0	0.0	611	11.4
2	36	2.2	5	2.3	1	1.1	70	2.2	8	4.3	0	0.0	0	0.0	120	2.2
3	7	0.4	2	0.9	2	2.2	11	0.3	2	1.1	0	0.0	0	0.0	24	0.4
5	0	0.0	0	0.0	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	1	0.0
Not reported	96	5.8	12	5.6	4	4.3	191	6.0	5	2.7	1	3.1	3	25.0	312	5.8
Unknown	34	2.1	7	3.3	1	1.1	183	5.8	5	2.7	3	9.4	4	33.3	237	4.4
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

Table 4-16
Fatal Truck Involvements by Number of Previous Suspensions and Truck Configuration

No. of previous suspensions	Strt truck		Strt/1trailer		Bobtail		Trac/1 semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
0	1472	89.4	188	87.4	81	87.1	2772	87.7	172	93.0	28	87.5	8	66.7	4721	88.4
1	88	5.3	16	7.4	7	7.5	128	4.1	7	3.8	0	0.0	0	0.0	246	4.6
2	22	1.3	3	1.4	3	3.2	46	1.5	1	0.5	0	0.0	0	0.0	75	1.4
3	15	0.9	0	0.0	0	0.0	15	0.5	0	0.0	1	3.1	0	0.0	31	0.6
4	3	0.2	0	0.0	0	0.0	9	0.3	0	0.0	0	0.0	0	0.0	12	0.2
5	4	0.2	0	0.0	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	5	0.1
6	6	0.4	0	0.0	1	1.1	0	0.0	0	0.0	0	0.0	0	0.0	7	0.1
7	0	0.0	1	0.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0
8	1	0.1	0	0.0	0	0.0	2	0.1	0	0.0	0	0.0	0	0.0	3	0.1
12	0	0.0	0	0.0	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	1	0.0
13	1	0.1	0	0.0	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	2	0.0
16	0	0.0	0	0.0	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	1	0.0
Unknown	35	2.1	7	3.3	1	1.1	183	5.8	5	2.7	3	9.4	4	33.3	238	4.5
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

Table 4-17
Fatal Truck Involvements by Number of Previous Speeding Convictions and Truck Configuration

No. of previous speeding convs.	Strt truck		Strt/1trailer		Bobtail		Trac/1 semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
0	1310	79.5	172	80.0	68	73.1	2193	69.4	139	75.1	20	62.5	5	41.7	3907	73.1
1	228	13.8	27	12.6	18	19.4	550	17.4	34	18.4	7	21.9	2	16.7	866	16.2
2	57	3.5	6	2.8	5	5.4	161	5.1	5	2.7	1	3.1	1	8.3	236	4.4
3	11	0.7	3	1.4	1	1.1	52	1.6	2	1.1	0	0.0	0	0.0	69	1.3
4	3	0.2	0	0.0	0	0.0	12	0.4	0	0.0	1	3.1	0	0.0	16	0.3
5	1	0.1	0	0.0	0	0.0	5	0.2	0	0.0	0	0.0	0	0.0	6	0.1
6	2	0.1	0	0.0	0	0.0	3	0.1	0	0.0	0	0.0	0	0.0	5	0.1
Unknown	35	2.1	7	3.3	1	1.1	183	5.8	5	2.7	3	9.4	4	33.3	238	4.5
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

Table 4-18
Fatal Truck Involvements by Previous Other Moving Convictions and Truck Configuration

No. prev. other moving convs.	Strt truck		Strt/1trailer		Bobtail		Trac/1 semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
0	1294	78.6	157	73.0	70	75.3	2184	69.1	135	73.0	19	59.4	8	66.7	3867	72.4
1	222	13.5	36	16.7	18	19.4	522	16.5	33	17.8	6	18.8	0	0.0	837	15.7
2	66	4.0	11	5.1	4	4.3	170	5.4	8	4.3	1	3.1	0	0.0	260	4.9
3	19	1.2	4	1.9	0	0.0	57	1.8	1	0.5	2	6.3	0	0.0	83	1.6
4	9	0.5	0	0.0	0	0.0	18	0.6	1	0.5	0	0.0	0	0.0	28	0.5
5	1	0.1	0	0.0	0	0.0	15	0.5	1	0.5	1	3.1	0	0.0	18	0.3
6	0	0.0	0	0.0	0	0.0	4	0.1	0	0.0	0	0.0	0	0.0	4	0.1
7	0	0.0	0	0.0	0	0.0	3	0.1	1	0.5	0	0.0	0	0.0	4	0.1
8	1	0.1	0	0.0	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	2	0.0
9	0	0.0	0	0.0	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	1	0.0
11	0	0.0	0	0.0	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	1	0.0
Unknown	35	2.1	7	3.3	1	1.1	183	5.8	5	2.7	3	9.4	4	33.3	238	4.5
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

Table 4-19
Fatal Truck Involvements by License Class Compliance and Truck Configuration

License class compliance	Strt truck		Strt/1trailer		Bobtail		Trac/1 semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Not licensed	10	0.6	4	1.9	0	0.0	5	0.2	0	0.0	0	0.0	0	0.0	19	0.4
Not required	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0
Not valid	87	5.3	11	5.1	5	5.4	67	2.1	1	0.5	2	6.3	0	0.0	173	3.2
Valid	1509	91.6	193	89.8	87	93.5	2914	92.2	179	96.8	28	87.5	8	66.7	4918	92.0
Unk if CDL req.	7	0.4	1	0.5	0	0.0	19	0.6	0	0.0	0	0.0	0	0.0	27	0.5
Unknown	33	2.0	6	2.8	1	1.1	154	4.9	5	2.7	2	6.3	4	33.3	205	3.8
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

Table 4-20
Fatal Truck Involvements by CDL License Status and Truck Configuration

CDL license status	Strt truck		Strt/1trailer		Bobtail		Trac/1 semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
No CDL	621	37.7	106	49.3	1	1.1	34	1.1	0	0.0	6	18.8	1	8.3	769	14.4
Suspended	6	0.4	0	0.0	1	1.1	32	1.0	2	1.1	0	0.0	0	0.0	41	0.8
Revoked	0	0.0	1	0.5	1	1.1	1	0.0	0	0.0	0	0.0	0	0.0	3	0.1
Expired	12	0.7	2	0.9	0	0.0	28	0.9	3	1.6	0	0.0	0	0.0	45	0.8
Cancelled/denied	2	0.1	0	0.0	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	3	0.1
Disqualified	4	0.2	1	0.5	0	0.0	8	0.3	0	0.0	0	0.0	0	0.0	13	0.2
Valid	956	58.0	99	46.0	88	94.6	2890	91.5	175	94.6	22	68.8	7	58.3	4237	79.3
Learner's permit	1	0.1	0	0.0	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	2	0.0
Other-not valid	15	0.9	0	0.0	0	0.0	9	0.3	0	0.0	2	6.3	0	0.0	26	0.5
Unknown	30	1.8	6	2.8	2	2.2	155	4.9	5	2.7	2	6.3	4	33.3	204	3.8
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

**Table 4-21
Fatal Truck Involvements by License Endorsements and Truck Configuration**

License endorsements	Strt truck		Strt/1trailer		Bobtail		Trac/1 semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
No endorsements	1285	78.0	174	80.9	50	53.8	1768	56.0	53	28.6	17	53.1	6	50.0	3353	62.8
Complied	162	9.8	19	8.8	20	21.5	682	21.6	101	54.6	11	34.4	1	8.3	996	18.6
Not complied	6	0.4	0	0.0	1	1.1	14	0.4	2	1.1	0	0.0	0	0.0	23	0.4
Compliance unk	126	7.7	12	5.6	13	14.0	395	12.5	21	11.4	0	0.0	1	8.3	568	10.6
Unknown	68	4.1	10	4.7	9	9.7	300	9.5	8	4.3	4	12.5	4	33.3	403	7.5
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

Table 4-22
Fatal Truck Involvements by Driver-Related Factors and Truck Configuration

Driver-related factors	Strt truck		Strt/1 trailer		Bobtail		Trac/1semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
None	946	57.4	107	49.8	56	60.2	1981	62.7	112	60.5	17	53.1	5	41.7	3224	60.3
<i>Physical/mental conditions</i>																
Drowsy, asleep	16	1.0	6	2.8	1	1.1	61	1.9	5	2.7	0	0.0	0	0.0	89	1.7
Ill, passed out, blackout	7	0.4	4	1.9	0	0.0	8	0.3	0	0.0	0	0.0	0	0.0	19	0.4
Emotional distress	1	0.1	0	0.0	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	2	0.0
Other drugs	54	3.3	6	2.8	1	1.1	25	0.8	0	0.0	0	0.0	0	0.0	86	1.6
Inattentive	95	5.8	10	4.7	3	3.2	155	4.9	12	6.5	0	0.0	2	16.7	277	5.2
Road rage/aggressive	1	0.1	1	0.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.0
Other physical	0	0.0	1	0.5	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	2	0.0
<i>Miscellaneous causes</i>																
Prohibited trafficway	0	0.0	0	0.0	0	0.0	3	0.1	0	0.0	0	0.0	0	0.0	3	0.1
Vehicle unattended	14	0.9	0	0.0	0	0.0	18	0.6	2	1.1	1	3.1	1	8.3	36	0.7
Improper loading	3	0.2	1	0.5	0	0.0	7	0.2	0	0.0	1	3.1	0	0.0	12	0.2
Improper towing	0	0.0	3	1.4	0	0.0	2	0.1	0	0.0	1	3.1	0	0.0	6	0.1
Improper lighting	0	0.0	0	0.0	0	0.0	2	0.1	0	0.0	0	0.0	0	0.0	2	0.0
W/O req equipment	15	0.9	3	1.4	0	0.0	13	0.4	1	0.5	2	6.3	0	0.0	34	0.6
Improper tailing	28	1.7	7	3.3	2	2.2	74	2.3	6	3.2	0	0.0	0	0.0	117	2.2
Improper lane change	7	0.4	1	0.5	0	0.0	26	0.8	2	1.1	0	0.0	0	0.0	36	0.7
Failure to stay in lane	264	16.0	42	19.5	18	19.4	362	11.5	19	10.3	2	6.3	0	0.0	707	13.2
Driving on shoulder	3	0.2	1	0.5	0	0.0	7	0.2	0	0.0	0	0.0	0	0.0	11	0.2
Improper entry/exit	1	0.1	0	0.0	0	0.0	12	0.4	0	0.0	0	0.0	0	0.0	13	0.2
Improper start/back	9	0.5	1	0.5	1	1.1	12	0.4	0	0.0	0	0.0	0	0.0	23	0.4
Prohibited passing	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0
Passing on wrong side	2	0.1	0	0.0	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	3	0.1
Passing-insufficient dist	4	0.2	0	0.0	0	0.0	7	0.2	1	0.5	0	0.0	0	0.0	12	0.2
Erratic/reckless	38	2.3	4	1.9	0	0.0	73	2.3	1	0.5	0	0.0	0	0.0	116	2.2
High speed chase	1	0.1	0	0.0	1	1.1	0	0.0	0	0.0	0	0.0	0	0.0	2	0.0
Failure to yield	95	5.8	8	3.7	4	4.3	102	3.2	4	2.2	3	9.4	1	8.3	217	4.1
Failure to obey signs	61	3.7	8	3.7	2	2.2	50	1.6	3	1.6	3	9.4	0	0.0	127	2.4
Passing around barrier	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0
Fail to observe warning	1	0.1	0	0.0	0	0.0	9	0.3	1	0.5	0	0.0	0	0.0	11	0.2
Failure to signal	0	0.0	0	0.0	0	0.0	2	0.1	0	0.0	0	0.0	0	0.0	2	0.0
Driving too fast	120	7.3	21	9.8	7	7.5	224	7.1	15	8.1	2	6.3	0	0.0	389	7.3
Under minimum speed	1	0.1	0	0.0	0	0.0	9	0.3	0	0.0	0	0.0	0	0.0	10	0.2
Wrong lane turn	0	0.0	0	0.0	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	1	0.0
Other improper turn	27	1.6	7	3.3	1	1.1	27	0.9	3	1.6	0	0.0	0	0.0	65	1.2
Wrong way	0	0.0	0	0.0	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	1	0.0
Wrong side of road	8	0.5	2	0.9	0	0.0	13	0.4	0	0.0	1	3.1	0	0.0	24	0.4
Operator inexperience	3	0.2	0	0.0	1	1.1	4	0.1	0	0.0	0	0.0	0	0.0	8	0.1
Unfamiliar w/roadway	0	0.0	0	0.0	0	0.0	12	0.4	1	0.5	2	6.3	0	0.0	15	0.3
Stopped in roadway	8	0.5	0	0.0	1	1.1	31	1.0	2	1.1	2	6.3	0	0.0	44	0.8
Locked wheel	1	0.1	0	0.0	1	1.1	6	0.2	0	0.0	0	0.0	0	0.0	8	0.1
Over correcting	30	1.8	3	1.4	1	1.1	25	0.8	2	1.1	0	0.0	0	0.0	61	1.1
On/Off moving vehicle	2	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.0

(continued on next page)

Table 4-22 (continued)

Driver-related factors	Strt truck		Strt/1trailer		Bobtail		Trac/1semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
<i>Vision obscured by</i>																
Inclement weather	5	0.3	0	0.0	0	0.0	33	1.0	1	0.5	2	6.3	0	0.0	41	0.8
Glare	3	0.2	0	0.0	0	0.0	6	0.2	0	0.0	0	0.0	0	0.0	9	0.2
Curve, hill, etc.	5	0.3	2	0.9	0	0.0	7	0.2	0	0.0	0	0.0	0	0.0	14	0.3
Trees, crops, vegetation	1	0.1	1	0.5	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	3	0.1
Moving vehicle	2	0.1	0	0.0	0	0.0	7	0.2	0	0.0	0	0.0	0	0.0	9	0.2
Parked vehicle	2	0.1	0	0.0	0	0.0	3	0.1	0	0.0	0	0.0	0	0.0	5	0.1
Inadequate lighting system	0	0.0	0	0.0	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	1	0.0
Obstructing angles	1	0.1	0	0.0	0	0.0	1	0.0	1	0.5	0	0.0	0	0.0	3	0.1
Mirrors	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0
Restriction noncompliance	9	0.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	9	0.2
Broken/dirty windshield	1	0.1	0	0.0	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	2	0.0
Other obstruction	5	0.3	0	0.0	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	6	0.1
<i>Avoiding, swerving due to</i>																
Severe crosswind	0	0.0	0	0.0	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	1	0.0
Slippery surface	1	0.1	0	0.0	0	0.0	2	0.1	0	0.0	0	0.0	0	0.0	3	0.1
Tire blowout or flat	8	0.5	0	0.0	0	0.0	7	0.2	1	0.5	0	0.0	1	8.3	17	0.3
Debris in road	1	0.1	1	0.5	0	0.0	2	0.1	0	0.0	0	0.0	0	0.0	4	0.1
Live animal in road	0	0.0	0	0.0	0	0.0	4	0.1	0	0.0	0	0.0	0	0.0	4	0.1
Vehicle in road	6	0.4	3	1.4	1	1.1	21	0.7	4	2.2	0	0.0	0	0.0	35	0.7
Phantom vehicle	3	0.2	0	0.0	0	0.0	2	0.1	0	0.0	0	0.0	0	0.0	5	0.1
Pedestrian in road	4	0.2	0	0.0	0	0.0	18	0.6	1	0.5	0	0.0	0	0.0	23	0.4
Ice,water,snow on road	10	0.6	5	2.3	1	1.1	29	0.9	6	3.2	0	0.0	0	0.0	51	1.0
Trailer fishtailing	0	0.0	2	0.9	0	0.0	2	0.1	1	0.5	0	0.0	0	0.0	5	0.1
<i>Other misc. factors</i>																
Multi-state record/license	0	0.0	1	0.5	1	1.1	12	0.4	0	0.0	1	3.1	0	0.0	15	0.3
Hit and run driver	18	1.1	2	0.9	1	1.1	25	0.8	2	1.1	0	0.0	4	33.3	52	1.0
Homocide	9	0.5	2	0.9	1	1.1	18	0.6	1	0.5	0	0.0	0	0.0	31	0.6
Other nonmoving viol.	34	2.1	7	3.3	3	3.2	36	1.1	2	1.1	1	3.1	0	0.0	83	1.6
<i>Possible distractions</i>																
Cellular phone present	27	1.6	5	2.3	2	2.2	88	2.8	4	2.2	2	6.3	0	0.0	128	2.4
Cellular phone in use	5	0.3	0	0.0	0	0.0	8	0.3	0	0.0	0	0.0	0	0.0	13	0.2
Two-way radio	1	0.1	0	0.0	0	0.0	2	0.1	0	0.0	0	0.0	0	0.0	3	0.1
Unknown	18	1.1	3	1.4	1	1.1	47	1.5	2	1.1	0	0.0	0	0.0	71	1.3
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

Note: Since Driver-Related Factors is a multiple-response variable, more than one driver factor can be coded per driver. Percents are calculated based on total drivers, not total factors.

Table 4-23
Fatal Truck Involvements by Driver Compensation and Truck Configuration

Driver compensation	Strt truck		Strt/1trailer		Bobtail		Trac/1 semi		Trac/2 trlrs		Oth combs		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
% of gross trip revenue	37	2.2	7	3.3	7	7.5	252	8.0	7	3.8	2	6.3	0	0.0	312	5.8
By the hour	681	41.3	57	26.5	12	12.9	429	13.6	21	11.4	4	12.5	0	0.0	1204	22.5
By the mile	15	0.9	4	1.9	17	18.3	761	24.1	38	20.5	1	3.1	0	0.0	836	15.6
By the hour and mile	4	0.2	2	0.9	2	2.2	47	1.5	22	11.9	2	6.3	0	0.0	79	1.5
By the load	60	3.6	11	5.1	3	3.2	316	10.0	23	12.4	5	15.6	0	0.0	418	7.8
Other	200	12.1	54	25.1	14	15.1	224	7.1	11	5.9	4	12.5	0	0.0	507	9.5
Unknown	650	39.5	80	37.2	38	40.9	1130	35.8	63	34.1	14	43.8	12	100.0	1987	37.2
Total	1647	100.0	215	100.0	93	100.0	3159	100.0	185	100.0	32	100.0	12	100.0	5343	100.0

Figure 4-1
Fatal Truck Involvements by Driver Compensation and Truck Configuration

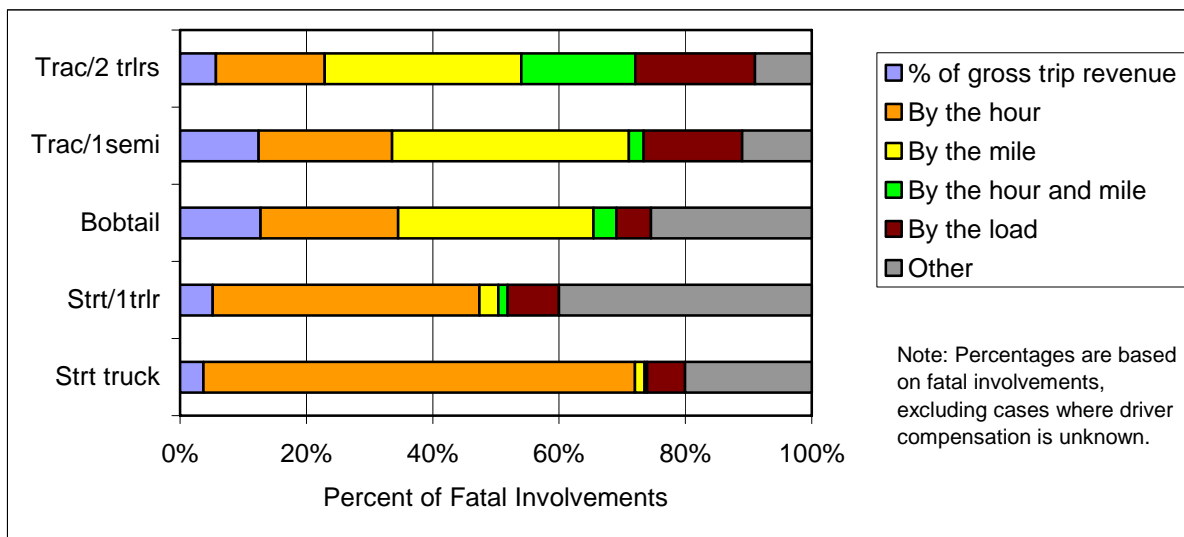
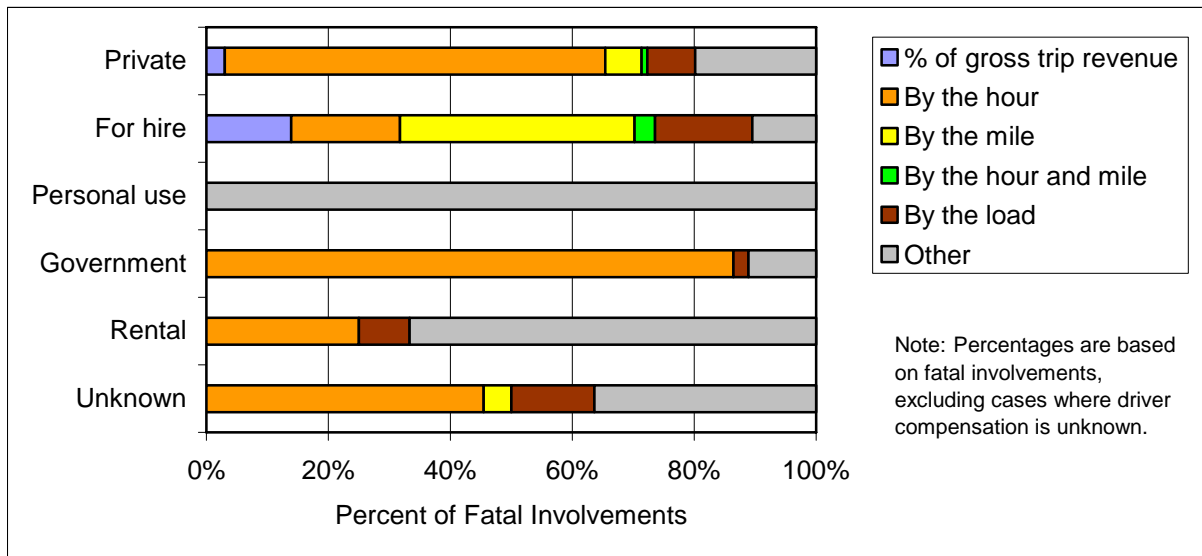


Table 4-24
Fatal Truck Involvements by Driver Compensation and Operating Authority

Driver compensation	Private		For hire		Personal use		Govt		Rental		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
% of gross trip revenue	37	2.0	275	9.0	0	0.0	0	0.0	0	0.0	0	0.0	312	5.8
By the hour	767	41.9	354	11.6	0	0.0	70	75.3	3	9.7	10	4.5	1204	22.5
By the mile	73	4.0	762	25.0	0	0.0	0	0.0	0	0.0	1	0.5	836	15.6
By the hour and mile	12	0.7	67	2.2	0	0.0	0	0.0	0	0.0	0	0.0	79	1.5
By the load	96	5.2	316	10.3	0	0.0	2	2.2	1	3.2	3	1.4	418	7.8
Other	244	13.3	207	6.8	31	27.7	9	9.7	8	25.8	8	3.6	507	9.5
Unknown	603	32.9	1073	35.1	81	72.3	12	12.9	19	61.3	199	90.0	1987	37.2
Total	1832	100.0	3054	100.0	112	100.0	93	100.0	31	100.0	221	100.0	5343	100.0

Figure 4-2
Fatal Truck Involvements by Driver Compensation and Operating Authority



Straight trucks

This section provides descriptive statistics on straight trucks involved in a fatal traffic accident in 2005. All truck configurations in which the power unit was a straight truck are included in this section. A straight truck is a truck power unit with a permanently attached cargo body. Straight truck configurations include trucks pulling no trailers, trucks pulling a full or other trailer, and wreckers towing cars or other straight trucks.

- Truck configurations with a straight-truck power unit accounted for 35.2% of all trucks involved in a fatal traffic accident in 2005.
- 37.6% of straight trucks were Class 8 (over 33,000 lbs.) Gross Vehicle Weight Rating (GVWR), and 24.0% were Class 3 (10,001-14,000 lbs.).
- 35.2% of straight trucks were empty at the time of the accident; while solids in bulk was the most frequent cargo type, accounting for 19.1%.
- 54.9% of straight truck configurations involved in a fatal traffic accident had two axles, 27.4% had three axles (including the trailer), and one straight truck combination had five axles on the power unit and six axles on the trailer.
- 34.2% of straight trucks were operated by a private, intrastate carrier; 22.6% by a private, interstate carrier; and only 10.3% by a for-hire, interstate carrier.
- 65.1% of straight trucks were on a local trip (within 50 miles of base) at the time of the accident.
- 301 straight truck drivers were fatally injured in a traffic accident; 33.9% of the fatalities occurred when the vehicle hit an object in the road, 4.7% occurred in ran-off-road crashes, and 19.1% were the result of an untripped rollover.

Note: 547 straight trucks had “other” cargo bodies, bodies that did not fall into any named cargo body type. Most of these were utility bodies or some other working body type such as concrete mixers, concrete pumps, or boom trucks.

Configuration

Table 5-1
Fatal Truck Involvements by Truck Configuration

Configuration	No.	Pct.
<i>Straight truck only</i>	1647	87.7
<i>Straight truck, 1 trailer</i>		
Straight + full trailer	38	2.0
Straight + other	129	6.9
Straight + other, gooseneck hitch	48	2.6
<i>Subtotal</i>	215	11.4
<i>Other straight combinations</i>		
Wrecker + tow	11	0.6
Straight, unknown if pulling trailer	5	0.3
Straight +2 full trailers	1	0.1
<i>Subtotal</i>	17	0.9
Total straight trucks	1879	100.0

Table 5-2
Fatal Truck Involvements by Cargo Body Style – Straight Trucks

Cargo body style	No.	Pct.
Van	343	18.3
Open top van	3	0.2
Refrigerated van	65	3.5
Livestock	0	0.0
Flatbed	145	7.7
Flatbed with equipment	24	1.3
Flatbed with sides	43	2.3
Pole/logging	7	0.4
Tank:liquid/gas	84	4.5
Tank:dry	3	0.2
Auto carrier	11	0.6
Dump	409	21.8
Hopper bottom	4	0.2
Garbage/refuse	121	6.4
Concrete mixer	65	3.5
Other	529	28.2
Unknown	23	1.2
Total	1879	100.0

Table 5-3
Fatal Truck Involvements by Gross Vehicle Weight Rating and Cargo Body Style – Straight Trucks

Gross vehicle weight rating (lbs)	Van		Flatbed		Tank		Dump		Refuse		Concrete mixer		Other*		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Class 3: 10,001-14,000	95	23.1	62	29.2	1	1.1	6	1.5	0	0.0	0	0.0	281	51.4	6	26.1	451	24.0
Class 4: 14,001-16,000	36	8.8	27	12.7	3	3.4	6	1.5	1	0.8	0	0.0	42	7.7	5	21.7	120	6.4
Class 5: 16,001-19,500	34	8.3	20	9.4	3	3.4	3	0.7	0	0.0	0	0.0	49	9.0	3	13.0	112	6.0
Class 6: 19,501-26,000	143	34.8	25	11.8	11	12.6	10	2.4	1	0.8	0	0.0	65	11.9	1	4.3	256	13.6
Class 7: 26,001-33,000	81	19.7	26	12.3	28	32.2	35	8.5	6	5.0	0	0.0	32	5.9	0	0.0	208	11.1
Class 8: 33,001 or more	21	5.1	45	21.2	40	46.0	344	83.3	112	92.6	65	100.0	72	13.2	8	34.8	707	37.6
Unknown	1	0.2	7	3.3	1	1.1	9	2.2	1	0.8	0	0.0	6	1.1	0	0.0	25	1.3
Total	411	100.0	212	100.0	87	100.0	413	100.0	121	100.0	65	100.0	547	100.0	23	100.0	1879	100.0

* Note: The Other category includes seven pole/logging trucks and eleven auto carriers.
 Gross Vehicle Weight Rating (GVWR) pertains to the power unit.

Table 5-4
Fatal Truck Involvements by Cargo Type and Cargo Body Style – Straight Trucks

Cargo type	Van		Open top van		Refrigerated van		Flatbed		Flatbed with equip.		Flatbed with sides		Pole/logging		Tank liquid/gas		Tank dry/bulk	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Empty	63	18.4	0	0.0	5	7.7	68	46.9	11	45.8	10	23.3	1	14.3	11	13.1	0	0.0
General freight	153	44.6	0	0.0	3	4.6	8	5.5	1	4.2	5	11.6	0	0.0	0	0.0	0	0.0
Household goods	26	7.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Building materials	4	1.2	0	0.0	0	0.0	8	5.5	6	25.0	2	4.7	0	0.0	0	0.0	0	0.0
Metal (coils, sheets)	1	0.3	0	0.0	0	0.0	2	1.4	0	0.0	1	2.3	0	0.0	0	0.0	0	0.0
Heavy machinery	3	0.9	0	0.0	0	0.0	9	6.2	1	4.2	1	2.3	0	0.0	0	0.0	0	0.0
Large objects	0	0.0	0	0.0	0	0.0	5	3.4	0	0.0	2	4.7	0	0.0	0	0.0	0	0.0
Motor vehicles	1	0.3	0	0.0	0	0.0	2	1.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Piggyback/towaway	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	14.3	0	0.0	0	0.0
Gases in bulk	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	9	10.7	0	0.0
Solids in bulk	12	3.5	2	66.7	0	0.0	8	5.5	0	0.0	4	9.3	0	0.0	0	0.0	1	33.3
Liquids in bulk	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	62	73.8	0	0.0
Explosives	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	66.7
Logs/poles/lumber	2	0.6	0	0.0	0	0.0	8	5.5	0	0.0	0	0.0	5	71.4	0	0.0	0	0.0
Refrigerated foods	0	0.0	0	0.0	52	80.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Farm products	5	1.5	0	0.0	1	1.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Live animals	0	0.0	1	33.3	1	1.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Other	30	8.7	0	0.0	0	0.0	21	14.5	4	16.7	17	39.5	0	0.0	1	1.2	0	0.0
Cargo, unk. type	7	2.0	0	0.0	0	0.0	0	0.0	0	0.0	1	2.3	0	0.0	0	0.0	0	0.0
Unknown	36	10.5	0	0.0	3	4.6	6	4.1	1	4.2	0	0.0	0	0.0	1	1.2	0	0.0
Total	343	100.0	3	100.0	65	100.0	145	100.0	24	100.0	43	100.0	7	100.0	84	100.0	3	100.0

Table 5-4 (continued)

Cargo Type	Auto carrier		Dump		Hopper bottom		Refuse		Concrete mixer		Other		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Empty	3	27.3	189	46.2	1	25.0	38	31.4	19	29.2	242	45.7	1	4.3	662	35.2
General freight	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	6	1.1	1	4.3	177	9.4
Household goods	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.2	0	0.0	27	1.4
Building materials	0	0.0	2	0.5	0	0.0	0	0.0	0	0.0	2	0.4	0	0.0	24	1.3
Metal (coils, sheets)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4	0.2
Heavy machinery	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5	0.9	0	0.0	19	1.0
Large objects	0	0.0	1	0.2	0	0.0	1	0.8	0	0.0	2	0.4	0	0.0	11	0.6
Motor vehicles	6	54.5	0	0.0	0	0.0	0	0.0	0	0.0	23	4.3	0	0.0	32	1.7
Piggyback/towaway	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	10	1.9	0	0.0	11	0.6
Gases in bulk	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	9	0.5
Solids in bulk	0	0.0	185	45.2	3	75.0	80	66.1	43	66.2	21	4.0	0	0.0	359	19.1
Liquids in bulk	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	0.6	0	0.0	65	3.5
Explosives	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.1
Logs/poles/lumber	0	0.0	4	1.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	19	1.0
Refrigerated foods	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	52	2.8
Farm products	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5	0.9	0	0.0	11	0.6
Live animals	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.1
Other	0	0.0	5	1.2	0	0.0	0	0.0	0	0.0	153	28.9	0	0.0	231	12.3
Cargo, unk. type	0	0.0	3	0.7	0	0.0	0	0.0	0	0.0	3	0.6	0	0.0	14	0.7
Unknown	2	18.2	20	4.9	0	0.0	2	1.7	3	4.6	53	10.0	21	91.3	148	7.9
Total	11	100.0	409	100.0	4	100.0	121	100.0	65	100.0	529	100.0	23	100.0	1879	100.0

Table 5-5
Fatal Truck Involvements by Axle Combinations – Straight Truck Configurations

Straight only Power unit axles	Strt/ 1 trlr Trailer axles	Total	
		No.	Pct.
2		1023	54.9
3		476	25.6
4		108	5.8
5		26	1.4
6		10	0.5
7		2	0.1
2	1	33	1.8
2	2	111	6.0
2	3	7	0.4
2	4	1	0.1
2	6	1	0.1
3	1	1	0.1
3	2	38	2.0
3	3	7	0.4
3	4	1	0.1
4	2	4	0.2
4	3	1	0.1
4	4	1	0.1
5	6	1	0.1
Unknown		10	0.5
Total		1862	100.0

Note: The 17 other straight truck combinations were not included in this table.

Vehicle use

Table 5-6
Fatal Truck Involvements by Carrier Type and Cargo Body Style – Straight Trucks

Carrier type	Van		Flatbed		Tank		Dump		Refuse		Concrete mixer		Other*		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Interstate private	130	31.6	57	26.9	22	25.3	54	13.1	36	29.8	15	23.1	107	19.6	3	13.0	424	22.6
Interstate for-hire	79	19.2	12	5.7	8	9.2	39	9.4	3	2.5	3	4.6	46	8.4	4	17.4	194	10.3
Intrastate private	119	29.0	97	45.8	46	52.9	126	30.5	49	40.5	40	61.5	159	29.1	6	26.1	642	34.2
Intrastate for-hire	28	6.8	12	5.7	5	5.7	120	29.1	7	5.8	3	4.6	61	11.2	1	4.3	237	12.6
Personal use only	2	0.5	8	3.8	0	0.0	1	0.2	0	0.0	0	0.0	101	18.5	0	0.0	112	6.0
Government owned	2	0.5	3	1.4	1	1.1	39	9.4	23	19.0	0	0.0	15	2.7	0	0.0	83	4.4
Daily rental	24	5.8	3	1.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	27	1.4
Unknown	27	6.6	20	9.4	5	5.7	34	8.2	3	2.5	4	6.2	58	10.6	9	39.1	160	8.5
Total	411	100.0	212	100.0	87	100.0	413	100.0	121	100.0	65	100.0	547	100.0	23	100.0	1879	100.0

* Note: The Other category includes seven pole/logging trucks and eleven auto carriers.

**Table 5-7
Fatal Truck Involvements by Trip Type and Cargo Body Style – Straight Trucks**

Trip type	Van		Flatbed		Tank		Dump		Refuse		Concrete mixer		Other*		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Local	211	51.3	148	69.8	61	70.1	310	75.1	95	78.5	49	75.4	347	63.4	3	13.0	1224	65.1
51-100 miles	51	12.4	15	7.1	14	16.1	34	8.2	9	7.4	0	0.0	39	7.1	0	0.0	162	8.6
101-150	26	6.3	7	3.3	2	2.3	5	1.2	1	0.8	0	0.0	14	2.6	0	0.0	55	2.9
151-200	14	3.4	5	2.4	0	0.0	1	0.2	0	0.0	0	0.0	10	1.8	0	0.0	30	1.6
201-500	16	3.9	4	1.9	2	2.3	0	0.0	2	1.7	0	0.0	14	2.6	1	4.3	39	2.1
Over 500	18	4.4	2	0.9	1	1.1	1	0.2	0	0.0	0	0.0	13	2.4	0	0.0	35	1.9
Unk over-the-road dist	5	1.2	2	0.9	0	0.0	0	0.0	0	0.0	2	3.1	9	1.6	0	0.0	18	1.0
Unknown	70	17.0	29	13.7	7	8.0	62	15.0	14	11.6	14	21.5	101	18.5	19	82.6	316	16.8
Total	411	100.0	212	100.0	87	100.0	413	100.0	121	100.0	65	100.0	547	100.0	23	100.0	1879	100.0

* Note: The Other category includes seven pole/logging trucks and eleven auto carriers.

**Table 5-8
Fatal Truck Involvements by Route Signing and Cargo Body Style – Straight Trucks**

Route signing	Van		Flatbed		Tank		Dump		Refuse		Concrete mixer		Other*		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Interstate	83	20.2	32	15.1	7	8.0	27	6.5	7	5.8	1	1.5	81	14.8	2	8.7	240	12.8
US highway	72	17.5	51	24.1	16	18.4	84	20.3	15	12.4	11	16.9	109	19.9	7	30.4	365	19.4
State highway	136	33.1	55	25.9	33	37.9	154	37.3	39	32.2	19	29.2	176	32.2	6	26.1	618	32.9
County road	43	10.5	38	17.9	18	20.7	81	19.6	23	19.0	15	23.1	81	14.8	3	13.0	302	16.1
Township	11	2.7	3	1.4	2	2.3	16	3.9	9	7.4	0	0.0	14	2.6	0	0.0	55	2.9
Municipality	46	11.2	20	9.4	9	10.3	36	8.7	19	15.7	11	16.9	40	7.3	2	8.7	183	9.7
Frontage road	1	0.2	2	0.9	0	0.0	0	0.0	0	0.0	0	0.0	6	1.1	0	0.0	9	0.5
Other	8	1.9	8	3.8	2	2.3	6	1.5	5	4.1	5	7.7	28	5.1	0	0.0	62	3.3
Unknown	11	2.7	3	1.4	0	0.0	9	2.2	4	3.3	3	4.6	12	2.2	3	13.0	45	2.4
Total	411	100.0	212	100.0	87	100.0	413	100.0	121	100.0	65	100.0	547	100.0	23	100.0	1879	100.0

* Note: The Other category includes seven pole/logging trucks and eleven auto carriers.

**Table 5-9
Fatal Truck Involvements by Land Use and Cargo Body Style – Straight Trucks**

Land use	Van		Flatbed		Tank		Dump		Refuse		Concrete mixer		Other*		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Urban	210	51.1	82	38.7	33	37.9	142	34.4	66	54.5	32	49.2	189	34.6	12	52.2	766	40.8
Rural	187	45.5	125	59.0	54	62.1	256	62.0	47	38.8	29	44.6	339	62.0	7	30.4	1044	55.6
Unknown	14	3.4	5	2.4	0	0.0	15	3.6	8	6.6	4	6.2	19	3.5	4	17.4	69	3.7
Total	411	100.0	212	100.0	87	100.0	413	100.0	121	100.0	65	100.0	547	100.0	23	100.0	1879	100.0

Table 5-10
Fatal Truck Involvements by Light Condition and Cargo Body Style – Straight Trucks

Light condition	Van		Flatbed		Tank		Dump		Refuse		Concrete mixer		Other*		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Daylight	304	74.0	173	81.6	76	87.4	373	90.3	88	72.7	57	87.7	362	66.2	14	60.9	1447	77.0
Dark	56	13.6	22	10.4	5	5.7	30	7.3	17	14.0	4	6.2	122	22.3	1	4.3	257	13.7
Dark but lighted	33	8.0	10	4.7	4	4.6	6	1.5	12	9.9	3	4.6	41	7.5	5	21.7	114	6.1
Dawn	13	3.2	4	1.9	1	1.1	1	0.2	4	3.3	1	1.5	11	2.0	3	13.0	38	2.0
Dusk	5	1.2	3	1.4	1	1.1	3	0.7	0	0.0	0	0.0	8	1.5	0	0.0	20	1.1
Unknown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	0.5	0	0.0	3	0.2
Total	411	100.0	212	100.0	87	100.0	413	100.0	121	100.0	65	100.0	547	100.0	23	100.0	1879	100.0

* Note: The Other category includes seven pole/logging trucks and eleven auto carriers.

Accident description

Table 5-11
Fatal Truck Involvements by Accident Type and Driver Injury Severity – Straight Trucks

Accident type	Fatal injury (K)		Incapacitating (A)		Non-incapacitating (B)		Complaint of pain (C)		No injury (O)		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
<i>Single vehicle</i>														
Ran off road	14	4.7	0	0.0	3	1.3	1	0.4	1	0.1	0	0.0	19	1.0
Hit object in road	102	33.9	6	4.9	9	3.8	9	3.9	181	18.9	9	28.1	316	16.8
<i>Same direction, same trafficway</i>														
Rearend, truck striking	39	13.0	5	4.1	8	3.4	14	6.1	36	3.8	0	0.0	102	5.4
Rearend, truck struck	10	3.3	3	2.4	17	7.3	19	8.3	93	9.7	11	34.4	153	8.1
Sideswipe, in other's lane	2	0.7	1	0.8	2	0.9	0	0.0	7	0.7	0	0.0	12	0.6
Sideswipe, in truck's lane	3	1.0	0	0.0	2	0.9	0	0.0	21	2.2	0	0.0	26	1.4
<i>Opposite direction, same trafficway</i>														
Head-on, in other's lane	13	4.3	16	13.0	17	7.3	3	1.3	14	1.5	1	3.1	64	3.4
Head-on, in truck's lane	9	3.0	34	27.6	60	25.6	34	14.8	80	8.3	2	6.3	219	11.7
Sideswipe, in other's lane	4	1.3	5	4.1	5	2.1	7	3.1	13	1.4	0	0.0	34	1.8
Sideswipe, in truck's lane	6	2.0	13	10.6	21	9.0	33	14.4	72	7.5	0	0.0	145	7.7
<i>Change trafficway, one vehicle turning</i>														
Truck turn across path	3	1.0	1	0.8	4	1.7	8	3.5	66	6.9	0	0.0	82	4.4
Other turn across path	8	2.7	9	7.3	14	6.0	28	12.2	94	9.8	0	0.0	153	8.1
<i>Intersecting paths, both going straight</i>														
Truck into side of other	9	3.0	10	8.1	29	12.4	33	14.4	101	10.5	1	3.1	183	9.7
Other into side of truck	5	1.7	1	0.8	9	3.8	6	2.6	25	2.6	0	0.0	46	2.4
<i>Other accident types</i>														
Truck backed into other	0	0.0	0	0.0	1	0.4	0	0.0	9	0.9	0	0.0	10	0.5
Other backed into truck	0	0.0	0	0.0	0	0.0	0	0.0	2	0.2	0	0.0	2	0.1
Untripped roll	60	19.9	5	4.1	4	1.7	3	1.3	7	0.7	1	3.1	80	4.3
Other	10	3.3	8	6.5	25	10.7	28	12.2	126	13.1	6	18.8	203	10.8
Unknown	4	1.3	6	4.9	4	1.7	3	1.3	12	1.3	1	3.1	30	1.6
Total	301	100.0	123	100.0	234	100.0	229	100.0	960	100.0	32	100.0	1879	100.0

Table 5-12
Fatal Truck Involvements by Manner of Collision and Cargo Body Style – Straight Trucks

Manner of collision	Van		Flatbed		Tank		Dump		Refuse		Concrete mixer		Other*		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Not applicable	111	27.0	56	26.4	26	29.9	83	20.1	39	32.2	19	29.2	142	26.0	3	13.0	479	25.5
Rear-end	76	18.5	41	19.3	11	12.6	60	14.5	20	16.5	7	10.8	89	16.3	5	21.7	309	16.4
Head-on	64	15.6	28	13.2	15	17.2	65	15.7	15	12.4	15	23.1	98	17.9	4	17.4	304	16.2
Front-to-side:same dir	10	2.4	5	2.4	5	5.7	3	0.7	3	2.5	1	1.5	10	1.8	0	0.0	37	2.0
Front-to-side:opp dir	41	10.0	26	12.3	7	8.0	45	10.9	10	8.3	9	13.8	58	10.6	1	4.3	197	10.5
Front-to-side:right angle	76	18.5	42	19.8	20	23.0	117	28.3	29	24.0	11	16.9	115	21.0	5	21.7	415	22.1
Front-to-side:unk dir	2	0.5	2	0.9	0	0.0	6	1.5	1	0.8	0	0.0	2	0.4	2	8.7	15	0.8
Sideswipe:same direction	12	2.9	1	0.5	1	1.1	11	2.7	0	0.0	0	0.0	12	2.2	1	4.3	38	2.0
Sideswipe:opp. direction	16	3.9	8	3.8	1	1.1	20	4.8	2	1.7	3	4.6	15	2.7	1	4.3	66	3.5
Rear-to-side	2	0.5	1	0.5	0	0.0	0	0.0	1	0.8	0	0.0	2	0.4	1	4.3	7	0.4
Other	1	0.2	1	0.5	1	1.1	2	0.5	1	0.8	0	0.0	2	0.4	0	0.0	8	0.4
Unknown	0	0.0	1	0.5	0	0.0	1	0.2	0	0.0	0	0.0	2	0.4	0	0.0	4	0.2
Total	411	100.0	212	100.0	87	100.0	413	100.0	121	100.0	65	100.0	547	100.0	23	100.0	1879	100.0

* Note: The Other category includes seven pole/logging trucks and eleven auto carriers.

Table 5-13
Fatal Truck Involvements by Driver Injury Severity and Cargo Body Style – Straight Trucks

Driver injury severity	Van		Flatbed		Tank		Dump		Refuse		Concrete mixer		Other*		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Fatal injury (K)	68	16.5	39	18.4	21	24.1	47	11.4	12	9.9	9	13.8	98	17.9	7	30.4	301	16.0
Incapacitating (A)	29	7.1	15	7.1	8	9.2	20	4.8	6	5.0	6	9.2	38	6.9	1	4.3	123	6.5
Non-incapacitating (B)	48	11.7	23	10.8	9	10.3	61	14.8	10	8.3	4	6.2	77	14.1	2	8.7	234	12.5
Complaint of pain (C)	51	12.4	31	14.6	7	8.0	55	13.3	11	9.1	10	15.4	63	11.5	1	4.3	229	12.2
No injury (O)	213	51.8	101	47.6	40	46.0	227	55.0	75	62.0	35	53.8	257	47.0	12	52.2	960	51.1
Unknown	2	0.5	3	1.4	2	2.3	3	0.7	7	5.8	1	1.5	14	2.6	0	0.0	32	1.7
Total	411	100.0	212	100.0	87	100.0	413	100.0	121	100.0	65	100.0	547	100.0	23	100.0	1879	100.0

* Note: The Other category includes seven pole/logging trucks and eleven auto carriers.

Table 5-14
Fatal Truck Involvements by Driver Injury Severity and Rollover, Fire, Ejection Status – Straight Trucks

Fire, rollover, and ejection	Fatal injury (K)		Incapacitating (A)		Non-incapacitating (B)		Complaint of pain (C)		No. injury (O)		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Rollover only	71	23.6	30	24.4	56	23.9	30	13.1	26	2.7	2	6.3	215	11.4
Fire only	9	3.0	9	7.3	9	3.8	5	2.2	7	0.7	0	0.0	39	2.1
Ejection only	29	9.6	1	0.8	0	0.0	2	0.9	1	0.1	0	0.0	33	1.8
Rollover and fire	15	5.0	0	0.0	0	0.0	1	0.4	0	0.0	0	0.0	16	0.9
Rollover & ejection	58	19.3	9	7.3	1	0.4	2	0.9	1	0.1	1	3.1	72	3.8
Fire and ejection	2	0.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.1
Rollover, fire & eject	2	0.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.1
None	113	37.5	74	60.2	168	71.8	188	82.1	924	96.3	6	18.8	1473	78.4
Unknown	2	0.7	0	0.0	0	0.0	1	0.4	1	0.1	23	71.9	27	1.4
Total	301	100.0	123	100.0	234	100.0	229	100.0	960	100.0	32	100.0	1879	100.0

Tractors

This section provides descriptive statistics on tractor combinations involved in a fatal traffic accident in 2005. All truck configurations in which the power unit is a truck-tractor are included in this section. A tractor is a truck power unit with a fifth-wheel designed to pull semitrailers. Tractor configurations include tractors pulling no trailers (bobtail), tractors pulling one or more semitrailers, and other configurations with supplementary units such as jeeps that permit hauling very heavy loads or configurations in which the tractor towed other tractors by means of saddlemounts. Most tables cover all tractor combinations, but some are limited to tractor-semitrailers and some are limited to tractors with two trailers (doubles).

- Truck configurations in which the power unit was a tractor accounted for 3,452 of the 5,343 trucks (64.6%) involved in a fatal accident in 2005.
- 94.5% of the power units in tractor combinations were Class 8 (over 33,000 lbs.) Gross Vehicle Weight Rating (GVWR).
- 27.6% of tractor combinations were empty at the time of the accident; while the most common cargo was general freight with 27.2% of tractor involvements.
- 91.0% of tractor-semitrailer configurations consisted of a three-axle tractor pulling a two-axle trailer. 48.6% of doubles (two trailers) consisted of a two-axle tractor with a one-axle first trailer and a two-axle second trailer.
- 65.7% of tractor combinations were operated by for-hire, interstate carriers; 13.8% of tractors were operated by private, interstate carriers.
- 21.0% of tractor combinations were on a local trip (within 50 miles of base) at the time of the accident; 17.6% were on a trip over 500 miles.
- 477 tractor drivers were fatally injured in a traffic accident; 36.7% of the fatalities occurred in single vehicle crashes; 32.5% involved hitting an object in the road, while 4.2% were ran-off-road crashes.

Configuration

Table 6-1
Fatal Truck Involvements by Tractor Configuration

Configuration	No.	Pct.
<i>Tractor, no trailers</i>		
Bobtail tractor	90	2.6
Tractor carrying cargo	3	0.1
<i>Subtotal</i>	93	2.7
<i>Tractor, 1 trailer</i>		
Tractor and semitrailer	3159	91.5
Tractor + other (nonsemitrailer)	11	0.3
<i>Subtotal</i>	3170	91.8
<i>Tractor, 2 trailers</i>		
Double with A dolly	124	3.6
Double, B train	1	0.0
Double with unknown dolly	6	0.2
Tractor + semitrailer + full trailer	53	1.5
Tractor + semitrailer + unknown	1	0.0
<i>Subtotal</i>	185	5.4
<i>Tractor, 3 trailers</i>		
Triple with A dollies	3	0.1
<i>Subtotal</i>	3	0.0
<i>Other tractor combinations</i>		
Tractor + 3 saddle mount tractors	1	0.0
<i>Subtotal</i>	1	0.0
<i>Total tractors</i>	3452	100.0

**Table 6-2
Fatal Truck Involvements by Cargo Body Style and Truck Configuration – Tractor Combinations**

Cargo body style	Tractor, no trailers		Tractor, 1 trailer		Tractor, 2 trailers		Tractor, 3 trailers		Other tractor combinations		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Tractor/no trailers	93	100.0	0	0.0	0	0.0	0	0.0	0	0.0	93	2.7
Van	0	0.0	1351	42.6	104	56.2	3	100.0	0	0.0	1458	42.2
Open top van	0	0.0	58	1.8	3	1.6	0	0.0	0	0.0	61	1.8
Refrigerated van	0	0.0	342	10.8	3	1.6	0	0.0	0	0.0	345	10.0
Livestock carrier	0	0.0	39	1.2	0	0.0	0	0.0	0	0.0	39	1.1
Flatbed	0	0.0	450	14.2	17	9.2	0	0.0	0	0.0	467	13.5
Lowboy	0	0.0	43	1.4	0	0.0	0	0.0	0	0.0	43	1.2
Flatbed with equip.	0	0.0	5	0.2	0	0.0	0	0.0	0	0.0	5	0.1
Flatbed with sides	0	0.0	14	0.4	1	0.5	0	0.0	0	0.0	15	0.4
Pole/logging	0	0.0	135	4.3	3	1.6	0	0.0	0	0.0	138	4.0
Tank:liquid/gaseous	0	0.0	250	7.9	4	2.2	0	0.0	0	0.0	254	7.4
Tank:dry bulk	0	0.0	58	1.8	6	3.2	0	0.0	0	0.0	64	1.9
Auto carrier	0	0.0	13	0.4	0	0.0	0	0.0	0	0.0	13	0.4
Dump	0	0.0	238	7.5	12	6.5	0	0.0	0	0.0	250	7.2
Hopper bottom	0	0.0	96	3.0	29	15.7	0	0.0	0	0.0	125	3.6
Refuse	0	0.0	12	0.4	0	0.0	0	0.0	0	0.0	12	0.3
Other	0	0.0	33	1.0	2	1.1	0	0.0	1	100.0	36	1.0
Unknown	0	0.0	33	1.0	1	0.5	0	0.0	0	0.0	34	1.0
Total	93	100.0	3170	100.0	185	100.0	3	100.0	1	100.0	3452	100.0

**Table 6-3
Fatal Truck Involvements by Cargo Type and Truck Configuration – Tractor Combinations**

Cargo type	Tractor, no trailers		Tractor, 1 trailer		Tractor, 2 trailers		Tractor, 3 trailers		Other tractor combinations		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Empty/bobtail	90	96.8	819	25.8	43	23.2	0	0.0	0	0.0	952	27.6
General freight	0	0.0	857	27.0	80	43.2	3	100.0	0	0.0	940	27.2
Household goods	0	0.0	12	0.4	0	0.0	0	0.0	0	0.0	12	0.3
Building materials	0	0.0	55	1.7	1	0.5	0	0.0	0	0.0	56	1.6
Metal (coils, sheets)	0	0.0	102	3.2	0	0.0	0	0.0	0	0.0	102	3.0
Heavy machinery	0	0.0	71	2.2	0	0.0	0	0.0	0	0.0	71	2.1
Large objects	0	0.0	52	1.6	5	2.7	0	0.0	0	0.0	57	1.7
Motor vehicles	0	0.0	17	0.5	0	0.0	0	0.0	0	0.0	17	0.5
Piggyback/towaway	3	3.2	0	0.0	0	0.0	0	0.0	0	0.0	3	0.1
Gases in bulk	0	0.0	19	0.6	0	0.0	0	0.0	0	0.0	19	0.6
Solids in bulk	0	0.0	315	9.9	32	17.3	0	0.0	0	0.0	347	10.1
Liquids in bulk	0	0.0	158	5.0	3	1.6	0	0.0	0	0.0	161	4.7
Logs/poles/lumber	0	0.0	150	4.7	3	1.6	0	0.0	0	0.0	153	4.4
Refrigerated foods	0	0.0	238	7.5	3	1.6	0	0.0	0	0.0	241	7.0
Mobile home	0	0.0	7	0.2	0	0.0	0	0.0	0	0.0	7	0.2
Farm products	0	0.0	25	0.8	1	0.5	0	0.0	0	0.0	26	0.8
Live animals	0	0.0	29	0.9	1	0.5	0	0.0	0	0.0	30	0.9
Other	0	0.0	8	0.3	1	0.5	0	0.0	0	0.0	9	0.3
Cargo, unk. type	0	0.0	48	1.5	1	0.5	0	0.0	0	0.0	49	1.4
Saddlemount tractor	0	0.0	1	0.0	0	0.0	0	0.0	1	100.0	2	0.1
Unknown	0	0.0	187	5.9	11	5.9	0	0.0	0	0.0	198	5.7
Total	93	100.0	3170	100.0	185	100.0	3	100.0	1	100.0	3452	100.0

Table 6-4
Fatal Truck Involvements by Cargo Type and Cargo Body Style – Tractor Combinations

Cargo type	Tractor/ no trailers		Van		Open top van		Refrigerated van		Livestock carrier		Flatbed		Lowboy		Flatbed with equipment		Flatbed with sides		Pole/logging	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Empty/bobtail	90	96.8	298	20.4	27	44.3	49	14.2	15	38.5	130	27.8	14	32.6	2	40.0	2	13.3	40	29.0
General freight	0	0.0	857	58.8	0	0.0	40	11.6	1	2.6	36	7.7	1	2.3	0	0.0	3	20.0	0	0.0
Household goods	0	0.0	11	0.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	6.7	0	0.0
Building materials	0	0.0	9	0.6	0	0.0	0	0.0	0	0.0	44	9.4	1	2.3	1	20.0	0	0.0	0	0.0
Metal (coils, sheets)	0	0.0	21	1.4	1	1.6	1	0.3	0	0.0	75	16.1	0	0.0	0	0.0	4	26.7	0	0.0
Heavy machinery	0	0.0	8	0.5	0	0.0	0	0.0	0	0.0	38	8.1	22	51.2	2	40.0	0	0.0	1	0.7
Large objects	0	0.0	7	0.5	1	1.6	0	0.0	0	0.0	37	7.9	3	7.0	0	0.0	2	13.3	1	0.7
Motor vehicles	0	0.0	3	0.2	0	0.0	0	0.0	0	0.0	6	1.3	1	2.3	0	0.0	0	0.0	0	0.0
Piggyback/towaway	3	3.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Gases in bulk	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Solids in bulk	0	0.0	59	4.0	31	50.8	4	1.2	0	0.0	6	1.3	0	0.0	0	0.0	0	0.0	0	0.0
Liquids in bulk	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Logs/poles/lumber	0	0.0	7	0.5	0	0.0	0	0.0	0	0.0	51	10.9	0	0.0	0	0.0	2	13.3	92	66.7
Refrigerated foods	0	0.0	1	0.1	0	0.0	240	69.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Mobile home	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Farm products	0	0.0	8	0.5	1	1.6	0	0.0	0	0.0	13	2.8	0	0.0	0	0.0	1	6.7	0	0.0
Live animals	0	0.0	0	0.0	0	0.0	1	0.3	22	56.4	6	1.3	0	0.0	0	0.0	0	0.0	0	0.0
Other	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	8	1.7	0	0.0	0	0.0	0	0.0	0	0.0
Cargo, unk. type	0	0.0	36	2.5	0	0.0	3	0.9	1	2.6	5	1.1	0	0.0	0	0.0	0	0.0	0	0.0
Saddlemount tractor	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Unknown	0	0.0	133	9.1	0	0.0	7	2.0	0	0.0	12	2.6	1	2.3	0	0.0	0	0.0	4	2.9
Total	93	100.0	1458	100.0	61	100.0	345	100.0	39	100.0	467	100.0	43	100.0	5	100.0	15	100.0	138	100.0

Table 6-4 (continued)

Cargo type	Tank liquid/gas		Tank dry bulk		Auto carrier		Dump		Hopper bottom		Refuse		Other		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Empty/bobtail	72	28.3	27	42.2	5	38.5	115	46.0	50	40.0	2	16.7	8	22.2	6	17.6	952	27.6
General freight	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	2.8	1	2.9	940	27.2
Household goods	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	12	0.3
Building materials	0	0.0	0	0.0	0	0.0	1	0.4	0	0.0	0	0.0	0	0.0	0	0.0	56	1.6
Metal (coils, sheets)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	102	3.0
Heavy machinery	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	71	2.1
Large objects	0	0.0	0	0.0	1	7.7	2	0.8	0	0.0	0	0.0	2	5.6	1	2.9	57	1.7
Motor vehicles	0	0.0	0	0.0	7	53.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	17	0.5
Piggyback/towaway	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	0.1
Gases in bulk	19	7.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	19	0.6
Solids in bulk	0	0.0	36	56.3	0	0.0	123	49.2	72	57.6	7	58.3	9	25.0	0	0.0	347	10.1
Liquids in bulk	159	62.6	0	0.0	0	0.0	0	0.0	1	0.8	1	8.3	0	0.0	0	0.0	161	4.7
Logs/poles/lumber	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	2.9	153	4.4
Refrigerated foods	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	241	7.0
Mobile home	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	7	19.4	0	0.0	7	0.2
Farm products	0	0.0	0	0.0	0	0.0	1	0.4	0	0.0	0	0.0	2	5.6	0	0.0	26	0.8
Live animals	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	2.8	0	0.0	30	0.9
Other	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	2.8	0	0.0	9	0.3
Cargo, unk. type	1	0.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	2.8	2	5.9	49	1.4
Saddlemount tractor	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	2.8	1	2.9	2	0.1
Unknown	3	1.2	1	1.6	0	0.0	8	3.2	2	1.6	2	16.7	3	8.3	22	64.7	198	5.7
Total	254	100.0	64	100.0	13	100.0	250	100.0	125	100.0	12	100.0	36	100.0	34	100.0	3452	100.0

Table 6-5
Fatal Truck Involvements by Cargo Type and Cargo Body Style Groups – Tractor Combinations

Cargo type	Van		Flatbed		Tank		Dump		Livestock		Pole/logging		Other*		None/unk		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Empty/bobtail	374	20.1	148	27.9	99	31.1	165	44.0	15	38.5	40	29.0	15	24.6	96	75.6	952	27.6
General freight	897	48.1	40	7.5	0	0.0	0	0.0	1	2.6	0	0.0	1	1.6	1	0.8	940	27.2
Household goods	11	0.6	1	0.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	12	0.3
Building materials	9	0.5	46	8.7	0	0.0	1	0.3	0	0.0	0	0.0	0	0.0	0	0.0	56	1.6
Metal (coils, sheets)	23	1.2	79	14.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	102	3.0
Heavy machinery	8	0.4	62	11.7	0	0.0	0	0.0	0	0.0	1	0.7	0	0.0	0	0.0	71	2.1
Large objects	8	0.4	42	7.9	0	0.0	2	0.5	0	0.0	1	0.7	3	4.9	1	0.8	57	1.7
Motor vehicles	3	0.2	7	1.3	0	0.0	0	0.0	0	0.0	0	0.0	7	11.5	0	0.0	17	0.5
Piggyback/towaway	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	2.4	3	0.1
Gases in bulk	0	0.0	0	0.0	19	6.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	19	0.6
Solids in bulk	94	5.0	6	1.1	36	11.3	195	52.0	0	0.0	0	0.0	16	26.2	0	0.0	347	10.1
Liquids in bulk	0	0.0	0	0.0	159	50.0	1	0.3	0	0.0	0	0.0	1	1.6	0	0.0	161	4.7
Logs/poles/lumber	7	0.4	53	10.0	0	0.0	0	0.0	0	0.0	92	66.7	0	0.0	1	0.8	153	4.4
Refrigerated foods	241	12.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	241	7.0
Mobile home	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	7	11.5	0	0.0	7	0.2
Farm products	9	0.5	14	2.6	0	0.0	1	0.3	0	0.0	0	0.0	2	3.3	0	0.0	26	0.8
Live animals	1	0.1	6	1.1	0	0.0	0	0.0	22	56.4	0	0.0	1	1.6	0	0.0	30	0.9
Other	0	0.0	8	1.5	0	0.0	0	0.0	0	0.0	0	0.0	1	1.6	0	0.0	9	0.3
Cargo, unk. type	39	2.1	5	0.9	1	0.3	0	0.0	1	2.6	0	0.0	1	1.6	2	1.6	49	1.4
Saddlemount tractor	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	1.6	1	0.8	2	0.1
Unknown	140	7.5	13	2.5	4	1.3	10	2.7	0	0.0	4	2.9	5	8.2	22	17.3	198	5.7
Total	1864	100.0	530	100.0	318	100.0	375	100.0	39	100.0	138	100.0	61	100.0	127	100.0	3452	100.0

* The Other category includes thirteen auto carriers and twelve refuse trucks.

Table 6-6
Fatal Truck Involvements by Gross Vehicle Weight Rating and Truck Configuration – Tractor Combinations

Gross vehicle weight rating (lbs)	Tractor, no trailers		Tractor, 1 trailer		Tractor, 2 trailers		Tractor, 3 trailers		Other tractor combs		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Class 3: 10,001-14,000	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	1	0.0
Class 6: 19,501-26,000	0	0.0	5	0.2	0	0.0	0	0.0	0	0.0	5	0.1
Class 7: 26,001-33,000	4	4.3	96	3.0	72	38.9	1	33.3	0	0.0	173	5.0
Class 8: 33,001+	88	94.6	3060	96.5	111	60.0	2	66.7	1	100.0	3262	94.5
Unknown	1	1.1	8	0.3	2	1.1	0	0.0	0	0.0	11	0.3
Total	93	100.0	3170	100.0	185	100.0	3	100.0	1	100.0	3452	100.0

Note: Gross Vehicle Weight Rating (GVWR) pertains to the power unit.

Table 6-7
Fatal Truck Involvements by Gross Vehicle Weight Rating and Cargo Body Style – Tractor Combinations

Gross vehicle weight rating (lbs)	Van		Flatbed		Tank		Dump		Livestock		Pole/logging		Other*		None/unk		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Class 3: 10,000-14,000	0	0.0	0	0.0	0	0.0	0	0.0	1	2.6	0	0.0	0	0.0	0	0.0	1	0.0
Class 6: 19,501-26,000	2	0.1	2	0.4	0	0.0	1	0.3	0	0.0	0	0.0	0	0.0	0	0.0	5	0.1
Class 7: 26,001-33,000	125	6.7	19	3.6	3	0.9	16	4.3	0	0.0	1	0.7	4	6.6	5	3.9	173	5.0
Class 8: 33,001+	1735	93.1	509	96.0	315	99.1	355	94.7	38	97.4	137	99.3	57	93.4	116	91.3	3262	94.5
Unknown	2	0.1	0	0.0	0	0.0	3	0.8	0	0.0	0	0.0	0	0.0	6	4.7	11	0.3
Total	1864	100.0	530	100.0	318	100.0	375	100.0	39	100.0	138	100.0	61	100.0	127	100.0	3452	100.0

* The Other category includes thirteen auto carriers and twelve refuse trucks.
 Gross Vehicle Weight Rating (GVWR) pertains to the power unit.

Table 6-8A
Fatal Truck Involvements by Axle Combinations – Tractors, No Trailers

Power unit axles	No.	Pct.
2	6	6.5
3	87	93.5
Total	93	100.0

Table 6-8B
Fatal Truck Involvements by Axle Combinations – TRACTOR-SEMITRAILERS

Power unit axles	1st trailer axles	No.	Pct.
2	1	29	0.9
2	2	84	2.7
2	3	2	0.1
3	1	7	0.2
3	2	2875	91.0
3	3	78	2.5
3	4	11	0.3
3	5	2	0.1
3	6	1	0.0
3	7	1	0.0
3	8	1	0.0
3	9	1	0.0
4	2	6	0.2
4	3	7	0.2
4	4	3	0.1
4	6	1	0.0
Unknown		50	1.6
Total		3159	100.0

Table 6-8C
Fatal Truck Involvements by Axle Combinations – DOUBLES

Power unit axles	1st trailer axles	2nd trailer axles	No.	Pct.
2	1	1	3	1.6
2	1	2	90	48.6
2	2	2	1	0.5
3	1	2	41	22.2
3	2	2	18	9.7
3	2	3	6	3.2
3	2	4	4	2.2
3	3	4	3	1.6
3	3	5	3	1.6
3	4	4	2	1.1
3	6	2	2	1.1
3	6	3	1	0.5
4	2	2	1	0.5
4	3	6	1	0.5
4	4	2	1	0.5
Unknown			8	4.3
Total			185	100.0

Vehicle use

Table 6-9
Fatal Truck Involvements by Carrier Type and Truck Configuration – Tractor Combinations

Carrier type	Tractor, no trailers		Tractor, 1 trailer		Tractor, 2 trailers		Tractor, 3 trailers		Other tractor combs		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Interstate private	11	11.8	454	14.3	13	7.0	0	0.0	0	0.0	478	13.8
Interstate for-hire	59	63.4	2083	65.7	122	65.9	3	100.0	1	100.0	2268	65.7
Intrastate private	5	5.4	192	6.1	13	7.0	0	0.0	0	0.0	210	6.1
Intrastate for-hire	7	7.5	272	8.6	23	12.4	0	0.0	0	0.0	302	8.7
Government owned	0	0.0	10	0.3	0	0.0	0	0.0	0	0.0	10	0.3
Daily rental	0	0.0	4	0.1	0	0.0	0	0.0	0	0.0	4	0.1
Unknown	11	11.8	155	4.9	14	7.6	0	0.0	0	0.0	180	5.2
Total	93	100.0	3170	100.0	185	100.0	3	100.0	1	100.0	3452	100.0

Table 6-10
Fatal Truck Involvements by Carrier Type and Cargo Body Style – Tractor Combinations

Carrier type	Van		Flatbed		Tank		Dump		Livestock		Pole/logging		Other*		None/unk		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Interstate private	214	11.5	96	18.1	66	20.8	44	11.7	7	17.9	26	18.8	8	13.1	17	13.4	478	13.8
Interstate for-hire	1476	79.2	310	58.5	179	56.3	121	32.3	30	76.9	46	33.3	35	57.4	71	55.9	2268	65.7
Intrastate private	39	2.1	44	8.3	31	9.7	58	15.5	1	2.6	22	15.9	9	14.8	6	4.7	210	6.1
Intrastate for-hire	68	3.6	40	7.5	32	10.1	118	31.5	0	0.0	27	19.6	6	9.8	11	8.7	302	8.7
Government owned	2	0.1	4	0.8	0	0.0	4	1.1	0	0.0	0	0.0	0	0.0	0	0.0	10	0.3
Daily rental	3	0.2	0	0.0	1	0.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4	0.1
Unknown	62	3.3	36	6.8	9	2.8	30	8.0	1	2.6	17	12.3	3	4.9	22	17.3	180	5.2
Total	1864	100.0	530	100.0	318	100.0	375	100.0	39	100.0	138	100.0	61	100.0	127	100.0	3452	100.0

* The Other category includes thirteen auto carriers and twelve refuse trucks.

Table 6-11
Fatal Truck Involvements by Trip Type and Cargo Body Style – Tractor Combinations

Trip type	Van		Flatbed		Tank		Dump		Livestock		Pole/logging		Other*		None/unk		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Local	214	11.5	109	20.6	74	23.3	204	54.4	5	12.8	61	44.2	16	26.2	43	33.9	726	21.0
51-100 miles	132	7.1	56	10.6	58	18.2	65	17.3	2	5.1	27	19.6	9	14.8	13	10.2	362	10.5
101-150	90	4.8	32	6.0	25	7.9	23	6.1	6	15.4	8	5.8	6	9.8	4	3.1	194	5.6
151-200	119	6.4	28	5.3	26	8.2	9	2.4	0	0.0	6	4.3	3	4.9	1	0.8	192	5.6
201-500	400	21.5	89	16.8	47	14.8	19	5.1	8	20.5	4	2.9	8	13.1	7	5.5	582	16.9
Over 500	471	25.3	79	14.9	30	9.4	5	1.3	7	17.9	0	0.0	4	6.6	13	10.2	609	17.6
Unk over-the-road dist	98	5.3	30	5.7	10	3.1	3	0.8	3	7.7	2	1.4	3	4.9	1	0.8	150	4.3
Unknown	340	18.2	107	20.2	48	15.1	47	12.5	8	20.5	30	21.7	12	19.7	45	35.4	637	18.5
Total	1864	100.0	530	100.0	318	100.0	375	100.0	39	100.0	138	100.0	61	100.0	127	100.0	3452	100.0

* The Other category includes thirteen auto carriers and twelve refuse trucks.

Table 6-12
Fatal Truck Involvements by Route Signing and Cargo Body Style – Tractor Combinations

Route signing	Van		Flatbed		Tank		Dump		Livestock		Pole/logging		Other*		None/unk		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Interstate	867	46.5	133	25.1	79	24.8	37	9.9	9	23.1	5	3.6	7	11.5	26	20.5	1163	33.7
US highway	397	21.3	159	30.0	98	30.8	106	28.3	22	56.4	36	26.1	16	26.2	28	22.0	862	25.0
State highway	390	20.9	154	29.1	89	28.0	137	36.5	6	15.4	68	49.3	27	44.3	37	29.1	908	26.3
County road	57	3.1	35	6.6	19	6.0	46	12.3	1	2.6	18	13.0	3	4.9	15	11.8	194	5.6
Township	16	0.9	4	0.8	3	0.9	3	0.8	0	0.0	0	0.0	0	0.0	3	2.4	29	0.8
Municipality	82	4.4	17	3.2	10	3.1	24	6.4	0	0.0	3	2.2	4	6.6	10	7.9	150	4.3
Frontage road	7	0.4	4	0.8	1	0.3	3	0.8	0	0.0	0	0.0	0	0.0	0	0.0	15	0.4
Other	16	0.9	11	2.1	15	4.7	12	3.2	0	0.0	3	2.2	2	3.3	5	3.9	64	1.9
Unknown	32	1.7	13	2.5	4	1.3	7	1.9	1	2.6	5	3.6	2	3.3	3	2.4	67	1.9
Total	1864	100.0	530	100.0	318	100.0	375	100.0	39	100.0	138	100.0	61	100.0	127	100.0	3452	100.0

* The Other category includes thirteen auto carriers and twelve refuse trucks.

Table 6-13
Fatal Truck Involvements by Land Use and Cargo Body Style – Tractor Combinations

Land use	Van		Flatbed		Tank		Dump		Livestock		Pole/logging		Other*		None/unk		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Urban	670	35.9	161	30.4	79	24.8	114	30.4	6	15.4	10	7.2	14	23.0	53	41.7	1107	32.1
Rural	1141	61.2	349	65.8	230	72.3	255	68.0	32	82.1	120	87.0	45	73.8	69	54.3	2241	64.9
Unknown	53	2.8	20	3.8	9	2.8	6	1.6	1	2.6	8	5.8	2	3.3	5	3.9	104	3.0
Total	1864	100.0	530	100.0	318	100.0	375	100.0	39	100.0	138	100.0	61	100.0	127	100.0	3452	100.0

* The Other category includes thirteen auto carriers and twelve refuse trucks.

Table 6-14
Fatal Truck Involvements by Light Condition and Cargo Body Style – Tractor Combinations

Light condition	Van		Flatbed		Tank		Dump		Livestock		Pole/logging		Other*		None/unk		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Daylight	988	53.0	344	64.9	167	52.5	279	74.4	16	41.0	112	81.2	38	62.3	74	58.3	2018	58.5
Dark	597	32.0	121	22.8	108	34.0	59	15.7	17	43.6	17	12.3	15	24.6	37	29.1	971	28.1
Dark but lighted	192	10.3	34	6.4	26	8.2	19	5.1	2	5.1	3	2.2	3	4.9	10	7.9	289	8.4
Dawn	57	3.1	26	4.9	13	4.1	11	2.9	2	5.1	4	2.9	2	3.3	3	2.4	118	3.4
Dusk	25	1.3	5	0.9	4	1.3	7	1.9	2	5.1	2	1.4	3	4.9	3	2.4	51	1.5
Unknown	5	0.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5	0.1
Total	1864	100.0	530	100.0	318	100.0	375	100.0	39	100.0	138	100.0	61	100.0	127	100.0	3452	100.0

* The Other category includes thirteen auto carriers and twelve refuse trucks.

Accident description

Table 6-15
Fatal Truck Involvements by Manner of Collision and Cargo Body Style – Tractor Combinations

Manner of collision	Van		Flatbed		Tank		Dump		Livestock		Pole/logging		Other*		None/unk		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Not applicable	364	19.5	78	14.7	99	31.1	68	18.1	11	28.2	26	18.8	10	16.4	34	26.8	690	20.0
Rear-end	498	26.7	111	20.9	53	16.7	48	12.8	4	10.3	21	15.2	11	18.0	21	16.5	767	22.2
Head-on	234	12.6	75	14.2	39	12.3	79	21.1	7	17.9	34	24.6	11	18.0	30	23.6	509	14.7
Front-to-side: same dir	65	3.5	23	4.3	6	1.9	7	1.9	3	7.7	5	3.6	4	6.6	2	1.6	115	3.3
Front-to-side: opp dir	192	10.3	64	12.1	36	11.3	42	11.2	3	7.7	14	10.1	5	8.2	11	8.7	367	10.6
Front-to-side: right angle	306	16.4	111	20.9	60	18.9	98	26.1	11	28.2	29	21.0	12	19.7	16	12.6	643	18.6
Front-to-side: unk dir	17	0.9	6	1.1	1	0.3	2	0.5	0	0.0	0	0.0	2	3.3	0	0.0	28	0.8
Sideswipe:same dir	88	4.7	24	4.5	8	2.5	13	3.5	0	0.0	1	0.7	1	1.6	5	3.9	140	4.1
Sideswipe:opp dir	71	3.8	25	4.7	13	4.1	12	3.2	0	0.0	6	4.3	3	4.9	6	4.7	136	3.9
Rear-to-side	9	0.5	3	0.6	1	0.3	2	0.5	0	0.0	0	0.0	1	1.6	0	0.0	16	0.5
Rear-to-rear	1	0.1	1	0.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.1
Other	16	0.9	8	1.5	2	0.6	3	0.8	0	0.0	2	1.4	1	1.6	1	0.8	33	1.0
Unknown	3	0.2	1	0.2	0	0.0	1	0.3	0	0.0	0	0.0	0	0.0	1	0.8	6	0.2
Total	1864	100.0	530	100.0	318	100.0	375	100.0	39	100.0	138	100.0	61	100.0	127	100.0	3452	100.0

* The Other category includes thirteen auto carriers and twelve refuse trucks.

Table 6-16
Fatal Truck Involvements by Accident Type and Driver Injury Severity – Tractor Combinations

Accident type	Fatal injury (K)		Incapacitating (A)		Non-incapacitating (B)		Complaint of pain (C)		Injured, severity unk		No injury (O)		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
<i>Single vehicle</i>																
Ran off road	20	4.2	0	0.0	0	0.0	1	0.3	0	0.0	1	0.0	0	0.0	22	0.6
Hit object in road	155	32.5	6	4.3	10	3.5	4	1.1	1	50.0	222	10.3	6	15.0	404	11.7
<i>Same direction, same trafficway</i>																
Rearend, truck striking	74	15.5	11	7.9	22	7.8	32	9.2	0	0.0	130	6.0	2	5.0	271	7.9
Rearend, truck struck	7	1.5	8	5.7	25	8.8	34	9.8	0	0.0	267	12.3	16	40.0	357	10.3
Sideswipe, in other's lane	5	1.0	2	1.4	1	0.4	0	0.0	0	0.0	21	1.0	0	0.0	29	0.8
Sideswipe, in truck's lane	7	1.5	0	0.0	6	2.1	7	2.0	0	0.0	93	4.3	3	7.5	116	3.4
<i>Opposite direction, same trafficway</i>																
Head-on, in other's lane	6	1.3	2	1.4	4	1.4	7	2.0	0	0.0	17	0.8	0	0.0	36	1.0
Head-on, in truck's lane	17	3.6	27	19.3	75	26.5	80	23.0	0	0.0	201	9.3	0	0.0	400	11.6
Sideswipe, in other's lane	14	2.9	4	2.9	2	0.7	7	2.0	0	0.0	22	1.0	0	0.0	49	1.4
Sideswipe, in truck's lane	15	3.1	26	18.6	23	8.1	44	12.6	1	50.0	295	13.6	0	0.0	404	11.7
<i>Change trafficway, one vehicle turning</i>																
Truck turn across path	1	0.2	2	1.4	2	0.7	6	1.7	0	0.0	123	5.7	1	2.5	135	3.9
Other turn across path	5	1.0	10	7.1	19	6.7	23	6.6	0	0.0	115	5.3	1	2.5	173	5.0
<i>Intersecting paths, both going straight</i>																
Truck into side of other	9	1.9	12	8.6	32	11.3	34	9.8	0	0.0	124	5.7	0	0.0	211	6.1
Other into side of truck	2	0.4	3	2.1	6	2.1	11	3.2	0	0.0	93	4.3	0	0.0	115	3.3
<i>Other accident types</i>																
Truck backed into other	1	0.2	0	0.0	0	0.0	2	0.6	0	0.0	15	0.7	0	0.0	18	0.5
Other backed into truck	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	0.1	0	0.0	3	0.1
Untripped roll	106	22.2	3	2.1	10	3.5	8	2.3	0	0.0	12	0.6	0	0.0	139	4.0
Other	26	5.5	21	15.0	40	14.1	45	12.9	0	0.0	371	17.2	9	22.5	512	14.8
Unknown	7	1.5	3	2.1	6	2.1	3	0.9	0	0.0	37	1.7	2	5.0	58	1.7
Total	477	100.0	140	100.0	283	100.0	348	100.0	2	100.0	2162	100.0	40	100.0	3452	100.0

Table 6-17
Fatal Truck Involvements by Driver Injury Severity and Cargo Body Style – Tractor Combinations

Driver injury severity	Van		Flatbed		Tank		Dump		Livestock		Pole/logging		Other*		None/unk		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Fatal injury (K)	242	13.0	59	11.1	78	24.5	46	12.3	8	20.5	23	16.7	4	6.6	17	13.4	477	13.8
Incapacitating (A)	74	4.0	17	3.2	13	4.1	19	5.1	2	5.1	5	3.6	4	6.6	6	4.7	140	4.1
Non-incapacitating (B)	155	8.3	38	7.2	22	6.9	30	8.0	2	5.1	19	13.8	5	8.2	12	9.4	283	8.2
Complaint of pain (C)	188	10.1	53	10.0	24	7.5	42	11.2	3	7.7	13	9.4	10	16.4	15	11.8	348	10.1
Injured, severity unk	2	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.1
No injury (O)	1187	63.7	351	66.2	178	56.0	233	62.1	24	61.5	77	55.8	37	60.7	75	59.1	2162	62.6
Unknown	16	0.9	12	2.3	3	0.9	5	1.3	0	0.0	1	0.7	1	1.6	2	1.6	40	1.2
Total	1864	100.0	530	100.0	318	100.0	375	100.0	39	100.0	138	100.0	61	100.0	127	100.0	3452	100.0

* The Other category includes thirteen auto carriers and twelve refuse trucks.

Table 6-18
Fatal Truck Involvements by Driver Injury Severity and Rollover, Fire, Ejection Status – Tractor Combinations

Rollover, fire, and ejection	Fatal injury (K)		Incapacitating (A)		Non-incapacitating (B)		Complaint of pain (C)		Injured, severity unk		No injury (O)		Unknown		Total	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Rollover only	134	28.1	27	19.3	39	13.8	34	9.8	0	0.0	66	3.1	0	0.0	300	8.7
Fire only	73	15.3	17	12.1	29	10.2	21	6.0	0	0.0	56	2.6	1	2.5	197	5.7
Ejection only	27	5.7	2	1.4	2	0.7	0	0.0	0	0.0	0	0.0	0	0.0	31	0.9
Rollover and fire	32	6.7	7	5.0	7	2.5	0	0.0	0	0.0	2	0.1	0	0.0	48	1.4
Rollover and ejection	63	13.2	1	0.7	1	0.4	0	0.0	0	0.0	0	0.0	0	0.0	65	1.9
Fire and ejection	12	2.5	1	0.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	13	0.4
Rollover, fire & eject	9	1.9	1	0.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	10	0.3
None	121	25.4	83	59.3	205	72.4	293	84.2	2	100.0	2036	94.2	8	20.0	2748	79.6
Unknown	6	1.3	1	0.7	0	0.0	0	0.0	0	0.0	2	0.1	31	77.5	40	1.2
Total	477	100.0	140	100.0	283	100.0	348	100.0	2	100.0	2162	100.0	40	100.0	3452	100.0

Glossary and abbreviations

Glossary

A- dolly

An auxiliary axle assembly that attaches to a semitrailer by means of a pintle hitch at a single point. This allows the semitrailer to be used as a full trailer.

Bobtail

A tractor operating without a trailer. May also refer to a straight truck without a trailer.

B- train

A B-train is a doubles combination with a rear platform on the first trailer on which is mounted a fifth wheel to which another semitrailer may be attached.

C- dolly

A converter dolly with two drawbars that attach at two connection points to the first trailer in a doubles combination. These dollies can have one or more axles.

Cabover

A vehicle with a substantial part of its engine located under the driver's cab, so that the windshield is at the front of the vehicle. Thus, the cab sits over the engine.

CDL

Commercial Driver's License

CNTBS

Center for National Truck and Bus Statistics at the University of Michigan Transportation Research Institute (UMTRI)

Combination vehicle

A vehicle consisting of a power unit (truck or truck tractor) and one or more trailing units (such as a semitrailer).

Conventional cab

A conventional cab vehicle has the engine in front of the driver's cab.

Dolly (converter dolly)

An auxiliary axle assembly having a fifth wheel, used for the purpose of converting a semitrailer to a full trailer.

Double

A combination vehicle consisting of a tractor pulling two trailers.

Ejection

Refers to occupants being totally or partially thrown from the vehicle as a result of an impact or rollover.

Empty combination weight

The weight of the power unit and unloaded weight of the trailer(s).

FARS file

Fatality Analysis Reporting System file, compiled by the National Center for Statistics and Analysis at the National Highway Traffic Safety Administration.

Fatal involvement

The involvement of a truck in a fatal crash. The fatality does not necessarily occur in the truck.

Fifth wheel

The hitch used to attach a tractor to a semitrailer. It usually consists of a plate and latching mechanism mounted on the truck tractor (or converter dolly), into which fits a kingpin assembly mounted on the trailer.

For-hire carrier

A company that transports goods for compensation; i.e. the load-carrying capacity of the truck is for hire.

Full trailer

A trailer with axles at the front and at the rear, or along its entire length.

Gooseneck

A hitch resembling the neck of a goose; can be a fifth wheel or ball hitch attachment. Both straight trucks and tractor-trailer rigs can use gooseneck hitches.

Gross combination weight

The sum of the weight of all units of the vehicle (power unit and any trailers) and the weight of any cargo carried.

Gross vehicle weight rating (GVWR)

The maximum rated capacity of a vehicle, including the weight of the base vehicle, all added equipment, driver and cargo.

Hopper bottom

A cargo body capable of discharging its load through a bottom opening without tilting.

Injury severity

Injuries are classified according to the following categories:

K = a fatal injury

A = an incapacitating injury, other than fatal, that prevents a person from walking, driving, or normally performing the activities the person was capable of before the injury.

B = a non-incapacitating injury that is visible or evident to observers at the scene of the crash.

C = a possible injury that is reported as complaint of pain, but which is neither incapacitating nor evident to observers at the scene of the crash.

O = no injury

Interstate carrier

A carrier that transports goods across state lines.

Intrastate carrier

A carrier that operates entirely within the state, and does not transport goods across state lines.

Involvement

Represents a truck involved in a fatal accident; an accident may consist of one or more truck involvements.

Jackknife

The skidding of an articulated vehicle, resulting in rotation at the articulation point so that the tractor is rotated against the trailer in a manner similar to the closing of a jackknife.

Jeep

A trailing piece of equipment similar to a dolly with its own axles, typically found in heavy haul operations. It is used to increase the cargo-carrying capacity of a combination, as well as affect weight distribution by transferring the load weight through a greater number of axles.

License endorsements

Authorizations to an individual's commercial driver's license (CDL) required to permit the individual to operate certain types of commercial motor vehicles.

Lift Axle

An air-powered axle which, when lowered, will provide greater load carrying capacity.

Lowboy

A flatbed trailer with a low floor used for hauling heavy equipment. The deck is typically 12" off the ground.

Open top

A cargo body with sides but without a permanent top.

Other trailer

Any trailer that does not fit into the semi or full trailer type categories. Examples are tag-along equipment such as bush chippers, or trailers with axle placement in any fashion besides the traditional front and rear configuration of the full trailer.

Over-the-road

Travel from one city to another, typically greater than fifty miles, as distinct from travel in and around the vehicle's base.

Piggyback

Refers to the way empty log trailers are carried on the bed of a tractor such that no axles touch the road. Also may refer to vehicles carried on the rear of a power unit in a manner that axles do contact the road.

Power unit

A truck, or the part of a combination that houses the engine.

Private carrier

A company which maintains its own trucks to transport its own freight.

Saddlemount tractor

A configuration consisting of a truck or tractor towing one or more trucks or tractors, where the towed unit is attached to the vehicle in front of it, utilizing a saddle that is attached to the frame or fifth wheel of the leading unit. The saddle mechanism is attached to the front axle of the towed vehicle.

Semitrailer

A trailer whose front rests on the back of a tractor, coupled to the tractor by a fifth wheel and kingpin. It has no front axle.

Straight truck

A truck power unit with a permanently attached cargo body. It may or may not pull a trailer.

TIFA file

Trucks Involved in Fatal Accidents is an annual survey of medium and heavy trucks involved in a fatal accident, conducted by the Center for National Truck and Bus Statistics at the University of Michigan's Transportation Research Institute.

Tractor

A vehicle designed to pull a semitrailer, generally with no cargo capacity. It has a circular fifth wheel plate for coupling to the semitrailer at its kingpin.

Trailer

A vehicle with or without motive power, designed for carrying persons or property and for being drawn by another motor vehicle. Examples are semitrailers, full trailers and other trailers (see separate definitions).

Triple

A combination vehicle consisting of a tractor pulling three trailers.

Table of Abbreviations

Abbreviation	Definition
CDL	Commercial driver's license
Combs/oth combs	Combinations/other combinations
Convs	Convictions
Dist	Distance
Eject	Ejection
Equip	Equipment
LCV	Longer combination vehicle
Misc	Miscellaneous
Occ	Occupant
Opp	Opposite
Piggybk	Piggyback
Prev	Previous
Req	Required
Semi	Semitrailer
STAA	Surface Transportation Assistance Act
Stat	Statutory
Strt	Straight truck
Trac	Tractor
Trlrs	Trailers
Unk	Unknown
Veh	Vehicle
Viol	Violation
Wt	Weight
WO	Without
Injuries are classified according to severity under the following levels:	
K	Fatal injury
A	Incapacitating injury
B	Evident but not incapacitating
C	Complaint of pain
O	No injury

Index

A	
accident characteristics, definition.....	13
accident description	25, 64, 77
accident type	25, 64, 78
age	43
annual fatal involvements.....	5
annual fatalities	11
area of operation	47, 48
axle combinations	62, 74, 75
B	
bobtails.....	38
bobtails, definition	3
body style . 32, 59, 60, 61, 63, 64, 65, 70, 72, 73, 74, 75, 77	
C	
cab style	33
cargo body style... 32, 38, 39, 59, 60, 61, 62, 63, 64, 65, 70, 72, 73, 74, 76, 77	
cargo spillage	28
cargo type	32, 60, 61, 71, 72, 73
carrier type	36, 62, 75, 76
CDL license status	50
Center for National Truck and Bus Statistics.....	1
CNTBS.....	1
D	
day of week.....	18
day type	18
doubles	10, 75
doubles, definition	3
drinking status	43
driver age	43
driver drinking status	43
driver drug use	43
driver extrication.....	45
driver injury severity	44, 45, 65, 78, 79
driver related factors	52
driver sex	44
driver-compensation.....	54, 55
driver-related factors	53
drug use	43
E	
ejection.....	45, 65, 79
F	
FARS.....	1
fatal involvements.....	5
fatalities	11
fire	45, 65, 79
fire occurrence	28
first harmful event.....	26
G	
geographic distributions	15
gross combination weight rating.....	36
gross vehicle weight rating.....	36, 60, 73, 74
H	
harmful event	26
hazardous materials class.....	38
hazardous materials placard	37
hours driven	45, 46, 47, 48
I	
injury.....	44, 45, 64, 65, 78, 79
injury severity	44, 45, 64, 65, 78, 79
injury severity categories, definition	42
involvements, definition	2
J	
jackknife status.....	28
junction, relation to	23
L	
land use.....	20, 63, 77
license class compliance.....	50
license endorsements	51
light condition	21, 64, 77

M	T
manner of collision 27, 65, 77	temporal distributions 18
model year 33, 34, 35	TIFA 1
month 18	time of accident 19, 20
moving convictions 50	tractor combinations 67, 70, 71, 72, 73, 74, 75, 77
	tractor configurations 69
O	tractor semitrailers 9
operating authority 46, 54, 55	tractor, definition 67
other combinations, , definition 3	tractors 39, 48, 74
	tractor-semitrailers 74
P	trafficway flow 24
person type 11	travel lanes 23
power unit model year 33, 34, 35	trends 3, 5, 6, 8, 9, 10, 11
power unit type 34	trip type 37, 46, 63, 76
previous accidents 48	truck configuration... 5, 6, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 31, 32, 33, 35, 36, 37, 38, 39, 43, 44, 45, 48, 49, 50, 51, 52, 53, 54, 59, 70, 71, 75
previous other moving convictions 50	truck configurations, definition 3
previous speeding convictions 49	truck driver characteristics 42
previous suspensions 49	truck, physical configuration 29
	Trucks Involved in Fatal Accidents 1
R	U
restraint use 44	UMTRI 1
road function class 22	University of Michigan Transportation Research Institute 1
roadway distributions 22	
roadway surface 21	V
role of vehicle 27	vehicle role 27
rollover status 27, 38, 39, 45, 65, 79	
route signing 22, 63, 76	W
	weather 21
S	weekend 18
safety and security systems 37	work week 18
sex 44	
speed limit 24	Y
speeding convictions 49	year 39
spillage 28	year, trends by 5, 6, 7, 8, 9, 10, 11
state 15, 17	
state, trends by 7, 8, 9, 10	
straight trucks 8, 38, 47, 59, 60, 61, 62, 63, 64, 65	
straight trucks, definition 57	
survey methodology 1	