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Bureau of Labor Statistics

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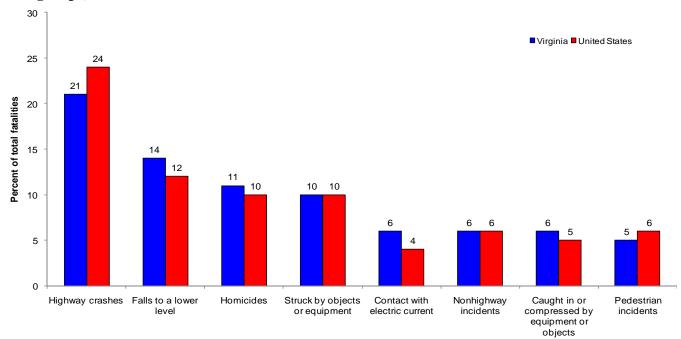
Workplace Fatalities in Virginia, 2003-2007

During the years 2003 to 2007, fatal work injuries in Virginia totaled 818, according to the Bureau of Labor Statistics of the U.S. Department of Labor. Please note that the 2007 results are preliminary; final results will be released in April 2009. Sheila Watkins, the Bureau's regional commissioner, noted that highway crashes were the leading cause of on-the-job fatalities over this time period in the Commonwealth, accounting for 171, or 21 percent, of the deaths. (See chart A.) Work-related deaths due to highway crashes (officially titled highway incidents) represented 24 percent of the U.S. total from 2003 to 2007.

Falls to a lower level (114) represented 14 percent of the State's workplace fatality count from 2003 to 2007; nationwide, falls to a lower level made up 12 percent of the total for the same time period. Homicides resulted in 91 fatalities and accounted for 11 percent of the total in Virginia; this event was responsible for 10 percent of workplace fatalities nationally. The 81 work-related deaths due to being struck by objects or equipment in Virginia accounted for 10 percent of the Commonwealth's total, equivalent to the event's national share.

Other leading causes of fatal workplace injuries in Virginia for the five year period were contact with electric current (49), nonhighway incidents (49), being caught in or compressed by equipment or objects (46), and pedestrian incidents (44). (See table 1.) Fatalities from contact with electric current, nonhighway incidents, and being caught in or compressed by equipment or objects each accounted for 6 percent of the work-related deaths in the Commonwealth, while pedestrian incidents accounted for 5 percent. Virginia's percentages for these categories were similar to those of the nation.

Chart A. Percent of total fatal occupational injuries in Virginia and the United States by selected event groups, 2003-2007



The preliminary 2007 count of 141 fatal occupational injuries, down 15 percent from the 2006 level, was one of the lowest annual totals recorded in Virginia since the fatality census began in 1992. (See chart B.) The most frequent types of workplace fatalities in 2007 were highway crashes (35), falls to a lower level (24), and homicides (16); these three events accounted for 53 percent of the deaths in the Commonwealth.

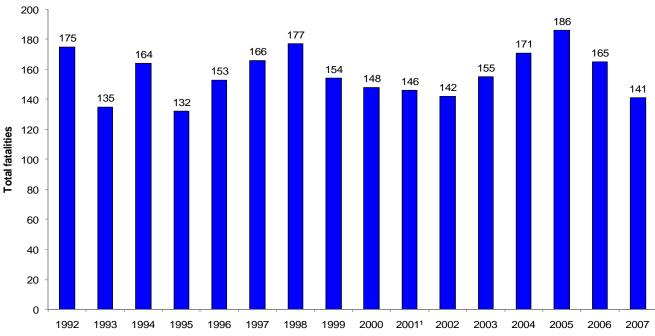


Chart B. Fatal occupational injuries in Virginia from 1992-2007

Note: Totals for 2007 are preliminary.

¹ Totals for 2001 exclude fatalities from the September 11, 2001, terrorist attacks.

Key characteristics of fatal work injuries from 2003 to 2007 in Virginia:

- Men accounted for 749, or 92 percent, of the work-related fatalities in the Commonwealth. Transportation incidents, which include highway, nonhighway, pedestrian, air, water, and rail fatalities, accounted for two-fifths of these deaths. Thirty-eight percent of the 69 women fatally injured on the job died from transportation incidents. (See table 2.)
- Seventy percent of those who died from a workplace injury in Virginia were white, non-Hispanic (569); 15 percent were black, non-Hispanic (122); 10 percent were Hispanic or Latino (81); and 5 percent were Asian (39). Transportation incidents made up the most frequent event for white, non-Hispanics, black, non-Hispanics, and Asians, while the most frequent event for Hispanic or Latino workers was falls. (See table 2.)
- Workers 25-54 years old—the prime working age group—made up 511, or 62 percent, of the work-related fatalities in Virginia from 2003 to 2007. (See table 2.) At the national level, this group made up 64 percent of fatalities over these five years.
- Eighty-three percent of workers killed on the job in the Commonwealth worked for wages and salaries, the rest were self-employed. Transportation incidents was the most frequent workplace fatal injury for both wage and salary and self-employed workers. (See table 2.)
- Over half of Virginia's 818 workplace fatalities during the five year period occurred in three industry sectors—construction (204), transportation and warehousing (129), and government (95). Falls was the most frequent event in construction; transportation incidents accounted for over four-fifths of the work-related deaths in the transportation and warehousing sector. In government, transportation incidents and assaults and violent acts accounted for the majority of the fatalities. (See table 3.)
- Transportation and material moving occupations had the highest number of workplace fatalities at 202, followed by construction and extraction occupations with 182; combined, these two occupational groups accounted for 47 percent of all fatal work injuries in Virginia. Transportation incidents accounted for the majority of workplace fatalities in the transportation and material moving occupations. Falls was the most frequent fatality event in the construction and extraction occupations. (See table 4.)

Additional Census of Fatal Occupational Injuries data are available on the BLS Internet site at www.bls.gov/iif/. Data can be accessed in two ways, through Create Customized Tables, which allows quick access to particular items, or via the special request FTP service, which allows access to an extensive collection of flat text files. For personal assistance or further information on the Census of Fatal Occupational Injuries program, as well as other Bureau programs, contact the Mid-Atlantic Information Office at 215-597-3282 from 8:30 a.m. to 12:00 p.m. and 1:00 p.m. to 3:30 p.m. ET. Information on the Census of Fatal Occupational Injuries and other programs and surveys are available on our Web site at www.bls.gov/ro3/.

Technical Note

Background of the program

The Census of Fatal Occupational Injuries, part of the BLS occupational safety and health statistics program, compiles a count of all fatal work injuries occurring in the U.S. in each calendar year. The program uses diverse State, federal, and independent data sources to identify, verify, and describe fatal work injuries. This assures counts are as complete and accurate as possible.

For technical information about the CFOI program, please go to the BLS Handbook of Methods on the BLS web site. To get to that document, click on Workplace Injuries on the BLS home page, scroll down to IIF Documentation, and then click on "BLS Handbook of Methods." The technical information and definitions for the CFOI Program are in Chapter 9, Part 2 of the BLS Handbook of Methods.

Federal/State agency coverage

The Census of Fatal Occupational Injuries includes data for all fatal work injuries, whether the decedent was working in a job covered by the Occupational Safety and Health Administration (OSHA) or other federal or State agencies or was outside the scope of regulatory coverage. Thus, any comparison between the BLS fatality census counts and those released by other agencies should take into account the different coverage requirements and definitions being used by each agency.

Several federal and State agencies have jurisdiction over workplace safety and health. OSHA and affiliated agencies in States with approved safety programs cover the largest portion of the nation's workers. However, injuries and illnesses occurring in certain industries or activities, such as coal, metal, and nonmetal mining and highway, water, rail, and air transportation, are excluded from OSHA coverage because they are covered by other federal agencies, such as the Mine Safety and Health Administration and various agencies within the Department of Transportation.

Acknowledgments

BLS thanks the Virginia Department of Labor and Industry for their efforts in collecting accurate, comprehensive, and useful data on fatal work injuries. BLS also appreciates the efforts of all federal, State, local, and private sector entities that submitted source documents used to identify fatal work injuries. Among these agencies are the Occupational Safety and Health Administration; the National Transportation Safety Board; the U.S. Coast Guard; the Mine Safety and Health Administration; the Employment Standards Administration (Federal Employees' Compensation and Longshore and Harbor Workers' divisions); the Federal Railroad Administration; the Department of Energy; State vital statistics registrars, coroners, and medical examiners; State departments of health, labor and industries, and workers' compensation agencies; State and local police departments; and State farm bureaus.

Table 1. Fatal occupational injuries by event or exposure for all fatalities and major private industry sector, Virginia, 2003 to 2007

			Goods p	roducing			1		Service p				
Event or exposure ²	Total fatalities (number)	Total goods producing	Natural resources and mining ³	Construc- tion	Manufac- turing	Total service providing	Trade, transpor- tation, and utilities	Information	Financial activities	Profes- sional and business services	Education and health services	Leisure and hospitality	Other services
Total	818	352	89	204	59	371	196	8	17	75	13	27	33
Contact with objects and equipment	144	95	30	43	22	41	18			16			5
Struck against object or equipment													
Struck by object or equipment Struck by falling object or equipment	81 59	53 41	21 18	21 15	11 8	25 18	9			13 11			
Struck by falling object or equipment	6	3											
Struck by dislodged flying object, particle	4	3											
Struck by swinging or slipping object Struck by swinging or slipping object,	5	3											
n.e.cStruck by rolling, sliding objects or	3				-								
equipment on floor or ground level	9	6				3	3						
Caught in or compressed by equipment or objects	46		8	13	10	14	8			3			3
objects, unspecified	3												
Caught in running equipment or machinery Compressed or pinched by rolling, sliding, or shifting objects	11	10		4	5	3	3						
Caught in or compressed by equipment or				·			Ĭ						
objects, n.e.c.	18		3	8		5							
Caught in or crushed in collapsing materials Excavation or trenching cave-in				8 6	-								
Falls	127	87		80	6	31	4			17	3		3
Fall, unspecified	3												
Fall to lower level	114	85		79	5	25				16			
Fall down stairs or steps	5												
Fall from floor, dock, or ground level Fall through existing floor opening Fall from floor, dock, or ground level,	8 4	6 4		6 4									
n.e.c	3												
Fall from ladder	21	18		16									
Fall from roof Fall through existing roof opening	27 7			26									
Fall through roof surface	4	4		4									
Fall from roof edge	13	12		12									
Fall from scaffold, stagingFall from building girders or other	15	11		10		4							
structural steel		5		5									
Fall from nonmoving vehicle				7		5				3			
Fall to lower level, n.e.c.	19	8		7		10				10			
Fall on same level Fall to floor, walkway, or other surface	7					4							
Exposure to harmful substances or environments	86	50	11	29	10	29	5		3	10			9
Contact with electric current	49	31	4	23	4	14				7			6
tool, appliance, or light fixture	9	7		3	3								
Contact with wiring, transformers, or other electrical components	11	8	3	4									
Contact with overhead power lines	27	15		15		11				7			
Contact with temperature extremes	7	6			4								
Exposure to environmental heat Contact with hot objects or substances	3 4	3			3								
Exposure to caustic, noxious, or allergenic			_	_			_			_			_
substances	25	12	5	5		13	5			3			3
Exposure to caustic, noxious, or allergenic substances, unspecified	3												
Inhalation of substance	12	7	5			5							
Inhalation in enclosed, restricted, or confined space			5										
Poo footnotes at and of table			J								1		

Table 1. Fatal occupational injuries by event or exposure for all fatalities and major private industry sector, Virginia, 2003 to 2007 - continued

	1								, 0				
			Goods p	roducing					Service	providing		,	
Event or exposure ²	Total fatalities (number)	Total goods producing	Natural resources and mining ³	Construc- tion	Manufac- turing	Total service providing	Trade, transpor- tation, and utilities	Information	Financial activities	Profes- sional and business services	Education and health services	Leisure and hospitality	Other services
Inhalation in open or nonconfined space	4					3							
Injections, stings, venomous bites	4					3							
Ingestion of substance	4 5					3							
Oxygen deficiency, n.e.c	5												
Drowning, submersion	5												
Transportation accidents	324	98	44	43	11	189	132	5	6	18	5	14	8
Highway accident	171	42	13	25	4	108	83	5	3	10			4
Collision between vehicles, mobile equipment		23	9	13		43	28	3	3	6			
Moving in same direction	19	6	3			12	9						
Moving in opposite directions, oncoming	24	8	4	4		13	8						
Moving in intersection	14	4		4		8	3			3			
Moving and standing vehicle, mobile													
equipmentin roadway	. 8	3				5	3						
Moving and standing vehicle, mobile	_	l				1	1				1		
equipmentside of road							l						
Vehicle struck object on side of road	76			9		55	46			3			
Noncollision accident	18			3		8	7						
Jack-knifed or overturnedno collision	16			3		8	7						
Nonhighway accident, except rail, air, water	49	33	23	/	3	11	6						
Nonhighway accident, unspecified	6	4	4										
Vehicle, mobile equipment struck stationary	_												
object	37	27	19										
Noncollision accident Fall from moving vehicle, mobile equipment	37	21	19	′		·	3						
	3												
Fell from and struck by vehicle, mobile equipment	10	7	4										
Overturned	23		14										
Pedestrian, nonpassenger struck by vehicle,	23	19	14	3		٦							
mobile equipment	44	11		q		25	15		3				
Pedestrian struck by vehicle, mobile	1			3		20	10		Ü				
equipment in roadway	17	6		5		8	4		3				
Pedestrian struck by vehicle, mobile	1	Ü		Ü		Ĭ			Ü				
equipment on side of road	4												
Pedestrian struck by vehicle, mobile													
equipment in parking lot or non-roadway area	22	4		3		15	9						
Railway accident	3												
Collision between railway vehicle and other													
vehicle	3												
Water vehicle accident	34	7	6			24	23						
Explosion, fire, n.e.c	21					21	21						
Fall from ship, boat, n.e.c		6	5										
Aircraft accident	22					20	4			5		10	
Aircraft accident, n.e.c.	20					18				5		10	
Fires and explosions	19	9		4	4	7				5			
Fireunintended or uncontrolled	9	4		3									
Fire in residence, building, or other structure		4		3									
Explosion		5			3	5							
Explosion of pressure vessel or piping													
Explosion, n.e.c.	116	3				73	36						
Assaults and violent acts Assaults and violent acts by person(s)	91	12 10		5	6	73 59	36		/	9	4	10	/
	-	10		4	5	59	32		5] 3	4	9	ь
Hitting, kicking, beating Shooting	76			2		48	26						
Stabbing	/ 6	ľ		3	4		20		5	l	l	"	-
Assaults and violent acts by person(s), n.e.c	ا م									l	l] []	
Self-inflicted injury	24					14	4			6	I		
Suicide, attempted suicide	24					14	4			6	I		
		1										1	

¹ Classified according to the North American Industry Classification System, 2002.

NOTE: Totals for major categories may include subcategories not shown separately. Dashes indicate no data reported or data that do not meet publication criteria. n.e.c. means "not elsewhere classified." Data for 2007 are preliminary. Data for prior years are revised and final.

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, in cooperation with State and Federal agencies, Census of Fatal Occupational Injuries

² Based on the 1992 BLS Occupational Injury and Illness Classification Manual.

³ Includes fatalities at all establishments categorized as Mining (Sector 21) in the North American Industry Classification System, 2002, including establishments not governed by the Mine Safety and Health Administration (MSHA) rules and reporting, such as those in Oil and Gas Extraction.

Table 2. Fatal occupational injuries by worker characteristics and event or exposure, Virginia, 2003 to 2007

				Event or e	exposure ¹		
Worker characteristics	Total fatalities (number)	Transportation incidents ²	Assaults and violent acts ³	Contact with objects and equipment	Falls	Exposure to harmful substances or environments	Fires and explosions
Total	818	324	116	144	127	86	19
Employee Status							
Wage and Salary Workers ⁴	675	282	81	117	104	72	18
Self-employed ⁵		42	35	27	23	14	
Gender							
Men	749	298	95	140	118	81	15
Women	69	26	21	4	9	5	4
Age							
Under 16 years							
16 to 17 years	4						
18 to 19 years	16	4		6	5		
20 to 24 years	60	21	12	6	9	10	
25 to 34 years	124	47	15	20	17	24	
35 to 44 years	187	63	31	34	30	24	4
45 to 54 years		83	27	34	32	14	10
55 to 64 years		59	18	23	20	9	
65 years and over	93	45	12	18	13	3	
Race or Ethnic Origin ⁶							
White, non-Hispanic	569	221	73	105	87	67	15
Black, non-Hispanic		60	23	20	8	7	3
Hispanic or Latino		18	5	17	29	11	
American Indian or Alaska Native							
Asian	39	21	13		3		
Native Hawaiian or Pacific Islander							

¹ Based on the 1992 BLS Occupational Injury and Illness Classification Manual.

NOTE: Totals for major categories may include subcategories not shown separately. Dashes indicate no data reported or data that do not meet publication criteria. Data for 2007 are preliminary. Data for prior years are revised and final.

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, in cooperation with State and Federal agencies, Census of Fatal Occupational Injuries

² Includes highway, nonhighway, air, water, rail fatalities, and fatalities resulting from being struck by a vehicle.

³ Includes violence by persons, self-inflicted injury, and attacks by animals.

⁴ May include volunteers and workers receiving other types of compensation.

⁵ Includes self-employed workers, owners of unincorporated businesses and farms, paid and unpaid family workers, and may include some owners of incorporated businesses or members of partnerships.

⁶ Persons identified as Hispanic or Latino may be of any race. The race categories shown exclude data for Hispanics and Latinos.

Table 3. Fatal occupational injuries by industry and event or exposure, Virginia, 2003 to 2007

					Event or	exposure ²		
Industry ¹	NAICS code ¹	Total fatalities (number)	Transpor- tation incidents ³	Assaults and violent acts ⁴	Contact with objects and equipment	Falls	Exposure to harmful sub- stances or environments	Fires and explosions
Total		818	324	116	144	127	86	19
Private Industry		723	287	85	136	118	79	16
Goods Producing		352	98	12	95	87	50	9
		89	44		30		11	Ů
Natural Resources and Mining								
Agriculture, Forestry, Fishing and Hunting	. 11	80	42		26		9	
Crop Production		28	20		5			
Other Crop Farming		18 15	13 12		4			-
All Other Miscellaneous Crop Farming		15	12					
Animal Production		20	8		4		6	
Cattle Ranching and Farming		16	4		4 3		6	
Dairy Cattle and Milk Production		10 24	6		17		6	
Logging		24	6		17			
Logging		24	6		17		-	
Fishing, Hunting and Trapping		7 7	7 7					
Fishing		7	7					
Mining ⁵		9			4			
Mining (except Oil and Gas)		6			3			
Coal Mining	2121	5						
Coal Mining		5						
Bituminous Coal Underground Mining		5 3						
Support Activities for Mining		3						
Support Activities for Mining		3						
Construction		204	43	5	43	80	29	4
Construction	23	204	43	5	43	80	29	4
Construction of buildings	236	33			7	20		
Residential Building Construction		20				14		
Residential Building Construction	23611	20				14		
New Single-family Housing Construction (except operative builders)	236115	8				6		
Residential Remodelers		10				7		
Nonresidential Building Construction		12			5	5		
Commercial and Institutional Building Construction Heavy and Civil Engineering Construction		9 30	 15		3 7	4	5	
Utility System Construction		21	6		7	3	5	
Water and Sewer Line and Related Structures Construction	23711	9	3		6			
Power and Communication Line and Related Structures Construction.		10 9	3 9			3	4	
Highway, Street, and Bridge Construction Highway, Street, and Bridge Construction		9	9					
Specialty Trade Contractors	. 238	126	22		24	53	22	3
Foundation, Structure, and Building Exterior Contractors		44	4		8	24	7	
Poured Concrete Foundation and Structure contractors Structural Steel and Precast Concrete Contractors		3 5	3			4		
Framing Contractors		8			3	3		
Masonry Contractors	23814	8			4			
Nonresidential Masonry ContractorsRoofing Contractors	. 238142 23816	3 13				 12		
Nonresidential Roofing Contractors		5				4		
Siding Contractors	23817	6					4	
Building Equipment Contractors		30	8		5	10	5	
Electrical Contractors		10 4	4					
Plumbing, Heating, and Air-Conditioning Contractors		17	4		3	6	3	
Residential Plumbing, Heating, and Air-Conditioning Contractors	238221	6						
Nonresidential Plumbing, Heating, and	238222	7				2		
Air-Conditioning Contractors Other Building Equipment Contractors		3				3		
Other Nonresidential Building Equipment Contractors	238292	3						
Building Finishing Contractors	2383	22				14	6	
Drywall and Insulation Contractors		6 3				3	-	
Painting and Wall Covering Contractors		12				9	3	
Nonresidential Painting and Wall Covering Contractors	238322	5				5		
Other Specialty Trade Contractors	2389	26	8		10	4	3	
Site Preparation Contractors Other Residential Site Preparation Contractors		19 4	6		9	3		
Other Nonresidential Site Preparation Contractors	238912	8	4		4			
All Other Special Trade Contractors	23899	6						

Table 3. Fatal occupational injuries by industry and event or exposure, Virginia, 2003 to 2007 - continued

					Event or e	exposure ²		
Industry ¹	NAICS code ¹	Total fatalities (number)	Transpor- tation incidents ³	Assaults and violent acts ⁴	Contact with objects and equipment	Falls	Exposure to harmful sub- stances or environments	Fires and explosions
Manufacturing		59	11	6	22	6	10	4
Manufacturing	. 31-33	59	11	6	22	6	10	4
Food Manufacturing	. 311	8			3		4	
Textile Mills		4	3					
Fabric Mills		3						
Wood Product Manufacturing		7						
Sawmills and Wood Preservation		4						
Sawmills and Wood Preservation		4 4						
Other Wood Product Manufacturing		3						
Millwork		3						
Paper Manufacturing		3						
Plastics and Rubber Products Manufacturing		4						
Plastics Product Manufacturing Nonmetallic Mineral Product Manufacturing		3 7			4			
Cement and Concrete Product Manufacturing		4						
Primary Metal Manufacturing		3						
Fabricated Metal Product Manufacturing	. 332	7			4			
Architectural and Structural Metals Manufacturing		5			3			
Plate Work and Fabricated Structural Product Manufacturing Transportation Equipment Manufacturing		4 5			3			
Furniture and Related Product Manufacturing		3		-				
Household and Institutional Furniture and Kitchen Cabinet		Ü						
Manufacturing		3						
Household and Institutional Furniture Manufacturing	. 33712	3						
Service providing		371	189	73	41	31	29	7
Trade, Transportation, and Utilities		196	132	36	18	4	5	
Wholesale Trade	. 42	19	11		4			
Merchant Wholesalers, Durable Goods		4						
Merchant Wholesalers, Nondurable Goods		14	10					
Grocery and Related Product Merchant wholesalers		6 3	5					
Other Grocery and Related Products Merchant wholesalers		3						
Retail Trade		44	12	26	3	3		
Motor Vehicle and Parts Dealers Automobile Dealers		10 8	6 5					
New Car Dealers		6	4					
Building Material and Garden Equipment and Supplies Dealers		4						
Building Material and Supplies Dealers		3						
Food and Beverage Stores.		12 11		11				
Grocery Stores Supermarkets and Other Grocery (except Convenience) Stores		5		10 4				
Convenience Stores		5		5				
Gasoline Stations		6		5				
Gasoline Stations		6		5				
Gasoline Stations with Convenience Stores	. 44711	6		5				
Transportation and Warehousing	. 48-49	129	105	8	11		4	
Air Transportation		5	4					
Scheduled Air Transportation		4	3					
Scheduled Air Transportation		4	3					
Water Transportation		23	22					
Deep Sea, Coastal, and Great Lakes Water Transportation		22	21					
Deep Sea, Coastal, and Great Lakes Water Transportation		22	21					
Deep Sea Freight Transportation		22	21					
Truck Transportation		71 31	60 26		6 3		3	
General Freight Trucking, Local		3						
General Freight Trucking, Long-Distance	-	23	21					
General Freight Trucking, Long-Distance, Truckload		12	10					
Specialized Freight Trucking		15	12					
Specialized Freight (except Used Goods) Trucking, Local		12 8	11 4	3			-	
Transit and Ground Passenger Transportation		8 5		3				
Taxi Service		4		3				
Support Activities for Transportation	. 488	13	8		3			
Support Activities for Water Transportation		5	4					
Support Activities for Road Transportation		6					-	
Motor Vehicle Towing Couriers and Messengers		6 6	6	-				
Couriers		5	5					
Couriers	. 49211	5	5	1			1	

Table 3. Fatal occupational injuries by industry and event or exposure, Virginia, 2003 to 2007 - continued

					Event or e	exposure ²		
Industry ¹	NAICS code ¹	Total fatalities (number)	Transpor- tation incidents ³	Assaults and violent acts ⁴	Contact with objects and equipment	Falls	Exposure to harmful substances or environments	Fires and explosions
Utilities	. 22	4	4					
Utilities	. 221	4	4					
Electric Power Generation, Transmission and Distribution	. 2211	3	3					
Information		8	5					
Information	. 51	8	5					
Publishing Industries (Except Internet)	. 511	6	4					
Newspaper, Periodical, Book, and Directory Publishers		6	4					
Newspaper Publishers	. 51111	6	4					
Financial Activities		17	6	7			3	
Finance and Insurance	. 52	5	3					
Credit Intermediation and Related Activities	. 522	4						
Real Estate and Rental and Leasing	. 53	12	3	5			3	
Real Estate		7	3					
Lessors of Real Estate		4						
Lessors of Residential Buildings and Dwellings	. 53111	3						
Offices of Real Estate Agents and Brokers		3						
Offices of Real Estate Agents and Brokers		3 5						
*		75				17		5
Professional and Business Services			18	9	16	17	10	5
Professional, Scientific, and Technical Services		12	7	3				
Professional, Scientific, and Technical Services		12	7	3				
Legal Services Administrative and Support and Waste Management and	5411	4						
Remediation Services	. 56	63	11	6	16	17	10	
Administrative and Support Services	. 561	57	9	5	14	17	10	
Investigation and Security Services		7		5				
Investigation, Guard, and Armored Car Services	. 56161	7		5				
Security Guards and Patrol Services		7		5				
Services to Buildings and Dwellings		45 4	5		14	16 3	10	
Landscaping Services		41	5		13	13	10	
Waste Management and Remediation Services		6						
Education and Health Services	.]	13	5	4		3		
Educational Services	. 61	4						
Educational Services	. 611	4						
Health Care and Social Assistance	. 62	9	3	3				
Ambulatory Health Care Services		3		3				
Hospitals		4	3					
General Medical and Surgical Hospitals		4	3					
General Medical and Surgical Hospitals	. 62211	4	3					
Leisure and Hospitality	-	27	14	10				
Arts, Entertainment, and Recreation	. 71	12	11					
Performing Arts, Spectator Sports, and Related Industries	. 711	10	10					
Spectator Sports	. 7112	8	8					
Spectator Sports		8 8	8 8					
Other Spectator Sports								
Accommodation and Food Services	. 72	15	3	10				
Accommodation		5						
Traveler Accommodation		4						
Hotels (except Casino Hotels) and Motels		10		8				
Full-Service Restaurants		3		3				
Full-Service Restaurants		3		3				
Limited-Service Eating Places		4 4		4				
Limited-Service Eating PlacesLimited-Service Restaurants		4		4				
Other Services		33	8	7	5	3	9	_
Other Services, except Public Administration		33	8	7	5	3	9	
				,				
Repair and Maintenance Automotive Repair and Maintenance		17 15	5 4		4		4 3	
Automotive Mechanical and Electrical Repair and Maintenance		12	3		4		3	
General Automotive Repair	. 811111	11	3		4			
Personal and Laundry Services		5		4				
Drycleaning and Laundry Services		3 10	3				 5	
Religious Organizations		5						
Religious Organizations		5						

Table 3. Fatal occupational injuries by industry and event or exposure, Virginia, 2003 to 2007 - continued

					Event or 6	exposure ²		
Industry ¹	NAICS code ¹	Total fatalities (number)	Transpor- tation incidents ³	Assaults and violent acts ⁴	Contact with objects and equipment	Falls	Exposure to harmful sub- stances or environments	Fires and explosions
Governmenf		95	37	31	8	9	7	3
Federal Government		27	7	9		7		
Service providing		27	7	9		7		
Public Administration		23	6	8		5		
Public Administration	92	23	6	8		5		
National Security and International Affairs	928	19	4	8		4		
National Security and International Affairs		19	4	8		4		
National Security		17	4	7		3		
State Government		18	9	7				
Service providing		16	7	7				
Education and Health Services		9		6				
Educational Services	61	9		6				
Educational Services		9		6				
Colleges, Universities, and Professional Schools		9		6 6				
Public Administration		7	5					
Public Administration	92	7	5					
Justice, Public Order, and Safety Activities	922	5	3					
Justice, Public Order, and Safety Activities		5	3					
Police Protection		4						
Local Government		46	17	15	5		4	3
Goods Producing		5						
Construction		5						
Construction	23	5						
Heavy and Civil Engineering Construction	237	4						
Service providing		41	15	15			4	3
Trade, Transportation, and Utilities		5						
Utilities	22	4						
Utilities	221	4						
Education and Health Services		9	4					
Educational Services	61	8	4					
Educational Services		8	4					
Elementary and Secondary Schools Elementary and Secondary Schools		8 8	4					
Public Administration		26	9	14				3
Public Administration		26	9	14				3
Justice, Public Order, and Safety Activities		23	7	14				
Justice, Public Order, and Safety Activities	9221	23	7	14				
Police Protection	92212	21	7	14				

¹ Classified according to the North American Industry Classification System, 2002.

NOTE: Totals for major categories may include subcategories not shown separately. Dashes indicate no data reported or data that do not meet publication criteria. Data for 2007 are preliminary. Data for prior years are revised and final.

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, in cooperation with State and Federal agencies, Census of Fatal Occupational Injuries

² Based on the 1992 BLS Occupational Injury and Illness Classification Manual.

³ Includes highway, nonhighway, air, water, rail fatalities, and fatalities resulting from being struck by a vehicle.

⁴ Includes violence by persons, self-inflicted injury, and attacks by animals.

Includes fatalities at all establishments categorized as Mining (Sector 21) in the North American Industry Classification System, 2002, including establishments not governed by the Mine Safety and Health Administration (MSHA) rules and reporting, such as those in Oil and Gas Extraction.

 $^{^{\}rm 6}$ Includes fatalities to workers employed by governmental organizations regardless of industry.

Table 4. Fatal occupational injuries by occupation and event or exposure, Virginia, 2003 to 2007

				Event or e	exposure ²		
Occupation ¹	Total fatalities (number)	Transportation incidents ³	Assaults and violent acts ⁴	Contact with objects and equipment	Falls	Exposure to harmful sub- stances or environments	Fires and explosions
Total	. 818	324	116	144	127	86	19
Management occupations	. 82	38	10	13	11	6	3
Top executives		4					
Advertising, marketing, promotions, public relations, and sales managers		4					
Marketing and sales managers		3					
Operations specialties managers				3			
Industrial production managersIndustrial production managers							
Other management occupations	-	29	9	10	10	6	
Agricultural managers		22		6			
Farmers and ranchers		21		6			
Construction managers		3		3	5 5		
Construction managers Food service managers		3	4	3	5		
Food service managers			4				
Miscellaneous managers		3			3		
Managers, all other	. 10	3			3		
Business and financial operations occupations							
Architecture and engineering occupations		3			3		
Engineers		3					
Community and social services occupations] []	
Education, training, and library occupations			6				
Postsecondary teachers			6				
Arts, design, entertainment, sports, and media occupations							
Healthcare practitioners and technical occupations							
Health diagnosing and treating practitioners							
Registered nursesRegistered nurses							
Protective service occupations.		14	25	3			
First-line supervisors/managers, protective service workers			3				
Law enforcement workers		10	14				
Detectives and criminal investigators							
Detectives and criminal investigators							
Police officers		8	13 13				
Police and sheriff's patrol officers Other protective service workers		0	8				
Security guards and gaming surveillance officers			8				
Security guards			8				
Building and grounds cleaning and maintenance occupations		10	4	15	18	11	
Supervisors, building and grounds cleaning and maintenance workers	. 11			5	3		
First-line supervisors/managers, building and grounds cleaning	44			_			
and maintenance workers First-line supervisors/managers of landscaping, lawn	. 11			9	3		
service, and groundskeeping workers	. 9			5	3		
Building cleaning and pest control workers					5		
Building cleaning workers					5		
Janitors and cleaners, except maids and housekeeping cleaners					3		
Grounds maintenance workers		10		8	10	10	
Grounds maintenance workers Landscaping and groundskeeping workers		10		8	10	10	
Tree trimmers and pruners				4	8	5	
Personal care and service occupations	-		3			5	
Other personal care and service workers							
Sales and related occupations		11	26			3	
Supervisors, sales workers		3	15				
First-line supervisors/managers, sales workers		3	15		_		
First-line supervisors/managers of retail sales workers First-line supervisors/managers of non-retail sales workers		I	13				
Retail sales workers		3	9]	
Cashiers		ļ	5				
Cashiers			5				
Retail salespersons		3	4				-
Retail salespersons		3	4				
Other sales and related workers		4					
Real estate sales agents		3		 	 		
Office and administrative support occupations		7	5				
Material recording, scheduling, dispatching, and distributing workers	. 8	3	3				
Stock clerks and order fillers							
Stock clerks and order fillers					-		
Farming, fishing, and forestry occupations		16		21		6	
Supervisors, farming, fishing, and forestry workers First-line supervisors/managers of farming, fishing, and	1 4					"	
forestry workers	. 4						
First-line supervisors/managers of farming, fishing, and	1						
forestry workers							
Agricultural workers		5					
Miscellaneous agricultural workers		5					
Farmworkers and laborers, crop, nursery, and greenhouse See footnotes at end of table.	1 5	1 3	-				

Table 4. Fatal occupational injuries by occupation and event or exposure, Virginia, 2003 to 2007 - continued

				Event or e	exposure ²		
Occupation ¹	Total fatalities (number)	Transportation incidents ³	Assaults and violent acts ⁴	Contact with objects and equipment	Falls	Exposure to harmful sub- stances or environments	Fires and explosions
Farmworkers, farm and ranch animals	6			-			
Fishing and hunting workers	7	7					
Fishers and related fishing workers		7					
Fishers and related fishing workers		/		17			
Forest, conservation, and logging workers Logging workers		3		17			-
Fallers	13		-	13			-
Logging equipment operators	3						_
Logging workers, all other	-			3			_
Construction and extraction occupations		38	3	42	69	25	ŧ
Supervisors, construction and extraction workers	23	7		6	6		-
First-line supervisors/managers of construction trades and							
extraction workers	23	7		6	6		-
First-line supervisors/managers of construction trades and	22	_					
extraction workers	23 146	27		6 31	6 61	22	-
Construction trades workers Brickmasons, blockmasons, and stonemasons	3	21		31			
Carpenters	24			4	17		
Carpenters]		4	17		
Construction laborers		7		12	16	5	
Construction laborers		7		12	16	5	
Construction equipment operators		9		5			
Operating engineers and other construction equipment operators		8		4			
Electricians	14	4				7	
Electricians		4				7	
Painters and paperhangers					8	3	-
Painters, construction and maintenance				-	8	3	-
Pipelayers, plumbers, pipefitters, and steamfitters		3		6	3		;
Pipelayers				3	3		-
Plumbers, pipefitters, and steamfitters Roofers	13			3	11		
Roofers	13			-	11		
Helpers, construction trades	3						
Helpers, construction trades	_						
Other construction and related workers		3					_
Extraction workers	4			3			-
Mining machine operators	3						-
Installation, maintenance, and repair occupations	58	17		13	9	14	;
Supervisors of installation, maintenance, and repair workers	3						-
First-line supervisors/managers of mechanics, installers, and repairers	3						-
First-line supervisors/managers of mechanics, installers,	_						
and repairers							-
Vehicle and mobile equipment mechanics, installers, and repairers		/		8			-
Automotive technicians and repairers Automotive service technicians and mechanics	10			5 5			
Heavy vehicle and mobile equipment service technicians and mechanics.		3					
Mobile heavy equipment mechanics, except engines							
Other installation, maintenance, and repair occupations	34	8		5	7	11	
Heating, air conditioning, and refrigeration mechanics and installers	6					4	-
Heating, air conditioning, and refrigeration mechanics and							
installers	6					4	
Industrial machinery installation, repair, and maintenance workers	19	4		4	3	5	-
Industrial machinery mechanics	9			4		3	-
Maintenance and repair workers, general	8	4					
Line installers and repairers	7	3					-
Electrical power-line installers and repairers		3					
Production occupations		3	4	11	3	4	;
Supervisors, production workers First-line supervisors/managers of production and operating workers	/	3		3			•
First-line supervisors/managers of production and operating workers First-line supervisors/managers of production and operating workers	/ /	3		3	-		
Metal workers and plastic workers	5					[
Welding, soldering, and brazing workers							
Welders, cutters, solderers, and brazers							
Other production occupations							
Miscellaneous production workers							
Production workers, all other	5						
Transportation and material moving occupations	202	155	12	22	4	8	
Supervisors, transportation and material moving workers	4	3					
First-line supervisors/managers of transportation and	_						
material-moving machine and vehicle operators	3						
First-line supervisors/managers of transportation and	3						
material-moving machine and vehicle operators		11					
Air transportation workers Aircraft pilots and flight engineers		11					
Commercial pilots		10					
Motor vehicle operators		105	9	14		7	
Bus drivers						<u>'</u>	
Bus drivers, transit and intercity		4					
Bus drivers, school							
Driver/sales workers and truck drivers	124	97	6	13		6	
		5			i		

Table 4. Fatal occupational injuries by occupation and event or exposure, Virginia, 2003 to 2007 - continued

				Event or	exposure ²		
Occupation ¹	Total fatalities (number)	Transportation incidents ³	Assaults and violent acts ⁴	Contact with objects and equipment	Falls	Exposure to harmful sub- stances or environments	Fires and explosions
Truck drivers, heavy and tractor-trailer	99	78	4	13		4	
Truck drivers, light or delivery services	17	14					
Taxi drivers and chauffeurs	5		3				
Taxi drivers and chauffeurs	5		3				
Water transportation workers		22					
Sailors and marine oilers		21					
Sailors and marine oilers	22	21					
Material moving workers	26	14	3	7			
Dredge, excavating, and loading machine operators	3						
Excavating and loading machine and dragline operators	3						
Industrial truck and tractor operators	4						
Industrial truck and tractor operators	4						
Laborers and material movers, hand	17	10		5			
Laborers and freight, stock, and material movers, hand	15	9		4			
Military specific occupations	12	4	5				
Military enlisted tactical operations and air/weapons specialists and							
crew members	4						
Military enlisted tactical operations and air/weapons				1			
specialists and crew members	4						

NOTE: Totals for major categories may include subcategories not shown separately. Dashes indicate no data reported or data that do not meet publication criteria. Data for 2007 are preliminary. Data for prior years are revised and final.

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, in cooperation with State and Federal agencies, Census of Fatal Occupational Injuries

¹ Based on the 2000 Standard Occupational Classification System. ² Based on the 1992 BLS Occupational Injury and Illness Classification Manual.

³ Includes highway, nonhighway, air, water, rail fatalities, and fatalities resulting from being struck by a vehicle.

⁴ Includes violence by persons, self-inflicted injury, and attacks by animals.