				Source	e of injury or i	llness ⁵	
Occupation	Occupation code ³	Private industry ⁴	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials
Total		127.8	2.1	15.9	4.9	8.4	13.5
Management occupations	11-0000	38.4	.3	4.6	1.9	1.3	2.3
Chief executives General and operations		44.8	-	9.0	11.1	.8	-
managers Advertising and promotions	11-1021	8.4	_	.6	.5	.5	.6
managers	11-2011	28.6	_	_	_	-	_
Marketing managers	11-2021	22.6	-	2.2	-	-	_
Sales managers	11-2022	27.6	_	8.5	1.0	-	.9
Public relations managers Administrative services	11-2031	34.8	_	_	_	-	
managers Computer and information	11-3011	12.1	-	-	-	-	-
systems managers	11-3021	5.3	-	-	-	-	-
Financial managers Compensation and benefits	11-3031	26.3	-	.6	-	-	-
managers Training and development	11-3041	5.4	_	-	_	-	_
managers	11-3042	56.6	-	-	-	-	-
Industrial production managers	11-3051	35.0	-	3.5	-	3.8	5.0
Purchasing managers Transportation, storage, and	11-3061	102.2	-	9.8	13.0	-	-
distribution managers Farm, ranch, and other	11-3071	73.0	-	16.8	8.0	2.3	4.9
agricultural managers	11-9011	13.0	-	2.1	-	2.9	2.1
Construction managers Education administrators, preschool and child care	11-9021	82.6	_	10.5	_	5.7	8.6
center/program Education administrators, elementary and secondary	11-9031	6.7	_	-	-	-	-
school Education administrators.	11-9032	50.0	-	-	-	-	-
postsecondary	11-9033	43.1	_	_	_	_	_
Engineering managers	11-9041	4.6	_	_	_	2.1	_
Food service managers	11-9051	149.8	3.9	14.8	2.4	2.8	_
Funeral directors	11-9061	159.9		_			_
Lodging managers Medical and health services	11-9081	87.3	-	10.8	-	-	_
Property, real estate, and community association	11-9111	86.7	1.0	3.3	4.2	-	_
managers Social and community service	11-9141	78.1	-	4.7	-	-	6.4
Business and financial operations	11-9151	136.3	-	6.6	-	-	2.5
occupations	13-0000	14.4	.8	1.4	.6	.3	.2

			Source of inju	ury or illness ⁵		
Occupation	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶
Total	17.6	23.2	6.1	10.9	5.7	19.5
Management occupations	5.3	10.4	1.6	3.9	.5	6.2
Chief executives General and operations	2.7	15.7	-	3.2	-	2.2
managers Advertising and promotions	.9	2.1	.9	.7	-	1.6
managers	8.1	5.4	-	13.1	-	_
Marketing managers	6.1	8.1	-	3.5	_	1.9
Sales managers	1.9	7.1	-	4.3	_	3.5
Public relations managers Administrative services	-	9.7	-	-	-	13.8
managers Computer and information	3.0	4.7	_	-	-	2.2
systems managers	.7	2.5	-	.8	-	-
Financial managers Compensation and benefits	8.9	10.3	-	1.5	-	4.2
managers	-	-	-	_	-	_
Training and development managers		18.4		12.1		15.0
Industrial production managers	6.8	8.5	_	2.3	_	4.4
Purchasing managers	40.7	6.5 7.4	_	2.3	_	4.4
Transportation, storage, and distribution managers	4.7	12.8	-	15.6	-	7.6
Farm, ranch, and other	4.0	-		10		4.0
agricultural managers	1.3	.7	- 70	1.6	-	1.8
Construction managers Education administrators,	16.3	18.9	7.9	4.7	-	9.1
preschool and child care center/program Education administrators,	-	_	_	_	-	6.4
elementary and secondary school Education administrators,	-	22.0	-	-	-	20.1
postsecondary	8.7	24.7 .9	-	-	-	_
Engineering managers Food service managers	_ 25.9	.9 50.9	3.0	3.7	-	26.6
Funeral directors	25.5	50.5	5.0	6.9		11.1
Lodging managers Medical and health services	_	24.9	12.3	- 0.9	-	32.3
Property, real estate, and community association	9.2	41.7	-	7.5	8.6	9.6
managers Social and community service	4.1	12.0	-	31.8	-	16.6
Business and financial operations	8.8	28.2	5.0	23.5	8.5	50.6
occupations	2.8	4.1	.1	1.3	.2	2.8

				Source	e of injury or i	llness ⁵	
Occupation	Occupation code ³	Private industry ⁴	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials
Purchasing agents and buyers,							
farm products Wholesale and retail buyers,	13-1021	86.1	-	56.0	-	-	-
except farm products Purchasing agents, except wholesale, retail, and farm	13-1022	30.5	-	13.4	2.1	_	-
products	13-1023	14.1	-	2.8	.7	-	-
and investigators Compliance officers, except	13-1031	50.7	11.2	2.1	-	-	-
agriculture, construction, health and safety, and transportation	13-1041	16.1	_	2.2	_	_	_
Cost estimators Emergency management	13-1051	5.3	-	_	-	-	-
specialists Employment, recruitment, and	13-1061	97.9	-	_	-	-	-
placement specialists Compensation, benefits, and job	13-1071	15.9	-	2.5	-	-	-
analysis specialists Training and development	13-1072	7.6	-	-	-	-	-
specialists	13-1073	23.3	-	_	_	1.4	_
Logisticians	13-1081	71.6	-	18.1	4.6	4.6	-
Management analysts Meeting and convention	13-1111	20.4	-	_	.5	-	-
planners	13-1121	22.2	-	-	-	-	-
Accountants and auditors Appraisers and assessors of real	13-2011	9.5	-	.2	-	-	-
estate	13-2021	43.4	-	-	-	-	-
Credit analysts	13-2041	8.0		-	-	-	-
Financial analysts	13-2051	3.9		-	-	-	-
Personal financial advisors	13-2052	3.8	-	-	-	-	-
Insurance underwriters	13-2053	14.7	-	-	-	-	-
Loan officers	13-2072	6.9	-	-	2.3	-	-
Computer and mathematical			_		_		. –
occupations	15-0000	11.3	.5	.3	.5	1.3	0.7
Computer programmers Computer software engineers,	15-1021	5.4	-	-	-	-	-
applications Computer software engineers,	15-1031	4.8	_	_	_	_	_
systems software	15-1032	2.2	-	-	-	-	-
Computer support specialists	15-1041	14.9	.7	.4	.9	1.6	3.5
Computer systems analysts	15-1051	17.7	2.0	-	-	1.7	-
Database administrators Network and computer systems	15-1061	2.5	_	_	-	-	-
administrators Network systems and data	15-1071	14.9	_	-	.7	3.4	-
communications analysts Operations research analysts	15-1081 15-2031	24.7 14.7		-	-	3.5	-

	Source of injury or illness ⁵									
Occupation	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶				
Purchasing agents and buyers,										
farm products	_	_	_	11.4	_	_				
Wholesale and retail buyers,										
except farm products Purchasing agents, except	6.0	4.0	-	1.4	-	1.8				
wholesale, retail, and farm	2.0			1.0						
products Claims adjusters, examiners,	3.0	2.6	-	1.6	_	2.9				
and investigators	12.7	13.5	_	5.2	_	4.5				
Compliance officers, except	12.7	10.0		5.2	_	4.5				
agriculture, construction, health										
and safety, and transportation	2.7	6.5	_	2.2	_	_				
Cost estimators	.8	3.3	_	_	_	-				
Emergency management										
specialists	-	94.3	-	-	-	-				
Employment, recruitment, and										
placement specialists	2.0	4.1	-	2.0	-	4.6				
Compensation, benefits, and job	5.0									
analysis specialists Training and development	5.0	-	-	-	-	-				
specialists	3.2	9.9		1.6	2.8	3.1				
Logisticians	9.7	14.8	_	8.8	2.0	4.8				
Management analysts	1.8	2.8		1.2		13.1				
Meeting and convention planners	_	4.8	_	_	_	5.5				
Accountants and auditors	2.2	3.9	_	1.5	_	1.0				
Appraisers and assessors of real estate	_	_	_	_	_	37.1				
Credit analysts	3.0	3.3	_	_	_	_				
Financial analysts	_	2.2	_	_	_	_				
Personal financial advisors	-	3.3	_	-	_	-				
Insurance underwriters	12.7	_	_	_	_	-				
Loan officers	-	3.5	-	-	-	-				
Computer and mathematical										
occupations	2.0	3.8	0.2	.9	-	1.0				
Computer programmers	2.6	.8	-	.9	_	-				
Computer software engineers, applications	.7	2.7		.6		.4				
Computer software engineers,	.7	2.1	_	.0	_	.4				
systems software	.6	_	_	_	_	_				
Computer support specialists	1.1	3.2	_	_	_	1.9				
Computer systems analysts	3.5	8.1		.5	_	1.1				
Database administrators	-	-	-	_	_	-				
Network and computer systems										
administrators Network systems and data	.9	8.5	-	-	-	-				
communications analysts	5.9	7.2	-	5.2	_	-				
Operations research analysts	7.3	-		-	_	- 1				

				Source	e of injury or i	llness ⁵	
Occupation	Occupation code ³	Private industry ⁴	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials
Architecture and engineering							
occupations Architects, except landscape	17-0000	25.6	0.5	1.1	0.8	2.5	2.5
and naval	17-1011	7.9	_	_	_	_	_
Surveyors	17-1022	44.3	_	_	_	_	6.1
Aerospace engineers		2.9	_	_	_	_	_
Civil engineers		6.6	_	_	_	_	_
Computer hardware engineers	17-2061	9.8	_	_	_	_	_
Electrical engineers	17-2071	6.0	_	_	_	_	_
Electronics engineers, except							
computer	17-2072	6.2	_	-	-	-	_
Industrial engineers	17-2112	15.1	_	_	_	1.1	.9
Materials engineers	17-2131	24.7	_	_	_		
Mechanical engineers	17-2141	21.7	_	_	_	1.8	2.4
Mining and geological engineers, including mining safety							
engineers	17-2151	62.9	-	-	-	-	-
Petroleum engineers	17-2171	14.8	-	-	-	-	-
Mechanical drafters	17-3013	21.8	-	-	-	-	-
Aerospace engineering and							
operations technicians Electrical and electronic	17-3021	22.3	-	-	-	-	-
engineering technicians	17-3023	104.0	2.4	4.9	9.6	3.5	12.1
technicians Industrial engineering	17-3025	19.5	-	_	_	-	-
technicians Mechanical engineering	17-3026	20.7	-	-	-	-	-
technicians Surveying and mapping		46.1	-	_	-	4.9	11.1
technicians Life, physical, and social science	17-3031	135.3	-	-	-	-	11.7
occupations		39.6	2.0	2.5	.6	.8	1.1
Animal scientists	19-1011	233.7		-	-	-	-
Zoologists and wildlife biologists	19-1023	36.7	-	-	-	-	-
Foresters Medical scientists, except	19-1032	99.3	-	-	-	-	-
epidemiologists	19-1042	36.7		-	4.6	-	-
Chemists	19-2031	8.3		-	-	-	-
Environmental scientists and							
specialists, including health	19-2041	14.4		-	-	-	-
Market research analysts	19-3021	5.2		-	-	-	-
Survey researchers Clinical, counseling, and school	19-3022	50.1	_	-	-	-	_
psychologists Agricultural and food science	19-3031	10.3	_	-	_	-	_
technicians Biological technicians		278.3 17.8		22.2	_		_

	Source of injury or illness ⁵									
Occupation	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶				
Architecture and engineering										
occupations	5.3	3.8	1.3	2.4	_	5.4				
Architects, except landscape	0.0	0.0		_		0.1				
and naval	6.4	_	_	_	_	_				
Surveyors	_	12.6	4.3	9.0	-	11.4				
Aerospace engineers	_	-	_	_	-	_				
Civil engineers	1.5	2.1	-	_	-	1.1				
Computer hardware engineers	-	4.9	-	_	-	3.2				
Electrical engineers	-	1.7	-	-	-	1.5				
Electronics engineers, except										
computer	-	-	-	2.1	-	-				
Industrial engineers	5.1	3.7	-	-	-	2.6				
Materials engineers	—	-	-	-	-	-				
Mechanical engineers	13.5	1.1	-	-	-	1.6				
Mining and geological engineers, including mining safety										
engineers	-	-	-	-	-	-				
Petroleum engineers	-	-	-	-	-	-				
Mechanical drafters Aerospace engineering and	10.1	-	-	_	-	9.4				
operations technicians Electrical and electronic	-	-	-	-	-	-				
engineering technicians Environmental engineering	23.5	15.2	4.2	16.3	-	12.4				
technicians Industrial engineering	-	-	-	-	-	-				
technicians Mechanical engineering	3.1	7.4	-	-	-	3.8				
technicians Surveying and mapping	7.3	6.0	-	-	-	7.5				
technicians fe, physical, and social science	-	12.1	14.4	7.3	-	76.7				
occupations	6.9	4.7	1.5	1.5	0.5	17.5				
Animal scientists	-	-	-	-	-	-				
Zoologists and wildlife biologists	-	-	-	-	-	-				
Foresters Medical scientists, except	-	-	-	-	-	_				
epidemiologists	-	3.3	-	-	-	23.1				
Chemists Environmental scientists and	-	-	_	_	-	_				
specialists, including health	8.9	-	-	-	-	-				
Market research analysts	1.2	2.0	-	_	-	1.0				
Survey researchers Clinical, counseling, and school	-	-	33.4	_	_	-				
psychologists Agricultural and food science	_	-	-	_	_	-				
technicians	57.8	40.4	-	_	-	119.3				
Biological technicians	6.1	5.7	-	_	-	-				

				Source	e of injury or i	llness ⁵	
Occupation	Occupation code ³	Private industry ⁴	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials
Chemical technicians Geological and petroleum	19-4031	122.3	8.5	8.1	_	4.2	6.7
technicians Environmental science and protection technicians,	19-4041	45.3	_	-	-	-	-
including health Community and social services	19-4091	33.8	_	-	-	-	-
occupations Substance abuse and behavioral	21-0000	99.0	.6	3.0	8.1	.4	1.6
disorder counselors Educational, vocational, and	21-1011	25.8	_	-	-	-	_
school counselors	21-1012	183.0	-	7.1	50.3	-	-
Marriage and family therapists Mental health counselors	21-1013 21-1014	99.9 78.4	20.2	-	_		-
Rehabilitation counselors Child, family, and school social	21-1014	90.2	_	_	_	_	-
workers Medical and public health social	21-1021	69.9	_	_	_	-	_
workers Mental health and substance	21-1022	60.9	_	4.2	11.5	-	-
abuse social workers Health educators Social and human service	21-1023 21-1091	64.8 7.1			-		_
assistants	21-1093	63.9	_	5.2	1.9	_	_
Clergy Directors, religious activities and	21-2011	30.2	_	_	_	-	-
education	21-2021	22.6	-	-	-	-	-
Legal occupations	23-0000	13.7	-	2.0	-	-	-
Lawyers	23-1011	5.0	-	-	-	-	-
Paralegals and legal assistants Education, training, and library	23-2011	25.7	-	1.2	-	-	-
occupations Health specialties teachers, postsecondary	25-0000 25-1071	52.0 6.4	.9	1.9	1.7	.1	.2
Graduate teaching assistants Vocational education teachers.	25-1191	10.5	_	_	_	_	_
Preschool teachers, except	25-1194	135.8	-	6.7	_	-	_
special education Kindergarten teachers, except	25-2011	71.2	-	-	1.9	-	_
special education Elementary school teachers,	25-2012	30.1	_	_	_	-	_
except special education Middle school teachers, except special and vocational	25-2021	44.5	_	-	_	-	-
education	25-2022	4.3	-	-	-	-	-

	Source of injury or illness ⁵									
Occupation	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶				
Chemical technicians Geological and petroleum	11.4	10.3	-	4.1	-	66.0				
technicians Environmental science and protection technicians,	-	_	-	-	-	-				
including health	_	-	-	11.3	-	-				
occupations Substance abuse and behavioral	12.2	31.2	0.3	9.2	14.3	18.2				
disorder counselors Educational, vocational, and	-	9.3	-	6.6	3.3	3.6				
school counselors	9.7	70.1	-	6.8	7.4	29.9				
Marriage and family therapists	45.0	18.0	-	_	_	15.9				
Mental health counselors	12.1	24.0	-	_	30.5	7.9				
Rehabilitation counselors Child, family, and school social	10.5	42.7	-	7.0	10.4	14.1				
workers Medical and public health social	23.3	12.9	-	_	10.8	20.9				
workers Mental health and substance	3.4	17.6	-	6.3	6.0	9.6				
abuse social workers Health educators	2.6	15.1		4.1 _	18.4 -	11.9 -				
Social and human service assistants	4.8	14.9	_	11.0	12.4	12.4				
Clergy Directors, religious activities and	-	14.8	-	-	-	-				
education	15.9	-	-	-	-	-				
egal occupations	5.0	3.8	-	1.3	-	1.4				
Lawyers	.5	3.6	-	_	-	.5				
Paralegals and legal assistants Education, training, and library	17.9	5.2	-	-	-	-				
occupations Health specialties teachers,	9.2	18.4	.6	1.5	2.1	15.3				
postsecondary Graduate teaching assistants	_	-	-	_	-	-				
Vocational education teachers, postsecondary Preschool teachers, except	79.9	12.4	-	11.0	7.5	12.4				
special education Kindergarten teachers, except	14.8	33.2	2.2	1.6	-	16.5				
special education Elementary school teachers,	-	28.5	-	_	_	-				
except special education Middle school teachers, except	3.0	21.9	-	-	-	18.5				
special and vocational education	-	3.3	-	_	_	-				

				Source	e of injury or i	llness ⁵	
Occupation	Occupation code ³	Private industry ⁴	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials
Secondary school teachers,							
except special and vocational	05 0004	25.0					
education Special education teachers,	25-2031	35.3	_	_	-	_	_
preschool, kindergarten, and							
elementary school	25-2041	56.4	-	-	21.2	-	-
Special education teachers,	05 00 40	00.4					
secondary school Adult literacy, remedial	25-2043	28.4	-	-	_	-	-
education, and ged teachers							
and instructors	25-3011	13.4	_	_	_	_	-
Self-enrichment education							
teachers		41.0	-	-	-	-	-
Curators		55.0	-	35.4	-	-	-
Librarians		35.7	-	-	-	-	-
Library technicians		22.9	-	-	-	-	-
Instructional coordinators		26.7	-	-	-	-	-
Teacher assistants	25-9041	100.2	4.8	6.3	3.1	-	-
Arts, design, entertainment, sports, and	07.0000	50.0		1.7	0.0	0.0	
media occupations		50.9	.3	1.7	2.8	0.6	1.1
Art directors		11.7	-	-	-	-	-
Craft artists	27-1012	164.4	-	-	_	-	-
Fine artists, including painters, sculptors, and illustrators	27-1013	404.9					27.7
Multi-media artists and	27-1013	404.9	_	_	_	_	21.1
animators	27-1014	7.8	_	_	_	_	_
Floral designers		121.0	_	20.0	_	_	_
Graphic designers		5.4	_		_	_	_
Interior designers		27.7	_	_	18.8	_	_
Merchandise displayers and							
window trimmers	27-1026	50.1	_	_	15.1	_	5.1
Set and exhibit designers	27-1027	56.0	_	_	_	_	-
Actors	27-2011	90.8	-	_	_	-	-
Producers and directors	27-2012	26.0	-	5.4	_	-	-
Athletes and sports competitors	27-2021	1,720.1	-	-	-	-	-
Coaches and scouts	27-2022	100.5	-	-	_	-	-
Umpires, referees, and other							
sports officials		82.6	-	-	-	-	-
Dancers	27-2031	205.4	–	-	-	–	-
Musicians and singers		25.2	-	-	-	-	-
Radio and television announcers	27-3011	36.8	-	-	-	-	-
Broadcast news analysts	27-3021	35.4	-	-	-	-	-
Reporters and correspondents	27-3022	35.7	-	-	-	-	-
Public relations specialists		8.7	-	-	-	-	-
Editors		14.3	-	-	-	-	-
Technical writers		19.4	-	-	-	-	-
Writers and authors		8.2	-	-	-	-	-
Interpreters and translators	27-3091	81.9	-	-	-	-	-

	Source of injury or illness ⁵								
Occupation	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶			
Secondary school teachers,									
except special and vocational									
education	3.6	18.9	-	_	-	10.5			
Special education teachers,									
preschool, kindergarten, and									
elementary school	-	9.4	-	-	-	25.8			
Special education teachers,						01.0			
secondary school	-	-	-	-	-	21.9			
Adult literacy, remedial education, and ged teachers									
and instructors	_	13.4	_	_	_	_			
Self-enrichment education		13.4	_		_	_			
teachers	10.0	16.0	_	_	_	9.8			
Curators	_	-	-	_	-	-			
Librarians	7.1	14.9	-	_	_	_			
Library technicians	-	-	-	-	-	-			
Instructional coordinators	5.1	19.0	-	-	-	-			
Teacher assistants	7.9	24.2	1.2	1.5	9.1	41.8			
Arts, design, entertainment, sports, and									
media occupations	11.5	14.4	.9	3.4	-	14.1			
Art directors	-	-	-	-	-	-			
Craft artists	-	-	-	-	-	107.9			
Fine artists, including painters,	157.2	122.3				68.6			
sculptors, and illustrators Multi-media artists and	157.2	122.5	_	_	_	00.0			
animators	_	_	_	_	_	_			
Floral designers	7.1	72.8	12.4	_	_	6.4			
Graphic designers		3.0	_	_	_	_			
Interior designers	_	-	_	_	_	3.8			
Merchandise displayers and									
window trimmers	9.4	5.7	-	-	-	4.8			
Set and exhibit designers	-	-	-	-	-	-			
Actors	16.9	19.8	-	-	-	35.3			
Producers and directors	3.0	8.8	-	-	-	7.0			
Athletes and sports competitors	678.4	73.5	-	25.1	-	933.5			
Coaches and scouts	20.2	35.4	-	5.9	-	37.0			
Umpires, referees, and other									
sports officials		40.3	-	_	-	44.4 19.4			
Dancers Musicians and singers	133.7	40.3				8.6			
Radio and television announcers	15.9	_		_	_	0.0			
Broadcast news analysts	_	_	_	_	_	_			
Reporters and correspondents	7.3	7.8	-	10.8	_	8.5			
Public relations specialists	-	4.4	-	1.5	-	-			
Editors	_	5.0	-	5.8	_	-			
Technical writers	-	-		15.0	-	-			
Writers and authors	-	4.8	-	-	-	-			
Interpreters and translators	-	59.0			-	15.4			

			Source of injury or illness ⁵						
Occupation	Occupation code ³	Private industry ⁴	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials		
Audio and video equipment									
technicians	27-4011	26.2	_	-	_	_	_		
Broadcast technicians		45.9	_	-	_	_	_		
Sound engineering technicians	27-4014	15.2	_	_	_	_	_		
Photographers		112.8	_	-	_	_	_		
Camera operators, television,	-	_							
video, and motion picture	27-4031	57.5	_	_	_	_	_		
lealthcare practitioners and technical		0.10							
occupations	29-0000	104.3	1.7	3.2	4.6	1.9	0.8		
Dentists, general		67.8			_				
Dietitians and nutritionists	29-1031	59.4	_	_	_	_	_		
Pharmacists		12.1	_	_	_	_	_		
Anesthesiologists		14.7	_	_	_	_	_		
Family and general practitioners	29-1061	1.9	_	_	—	_	_		
	29-1062	5.5	_	_	—	_	_		
Pediatricians, general Psychiatrists	29-1065	11.3	_	-	_	_	_		
		-		-	_		_		
Surgeons		3.5	-	-	_	-	-		
Physician assistants		10.9		-	-	-	-		
Registered nurses		131.6	1.4	2.5	7.1	2.0	1.3		
Occupational therapists		46.0	4.1	-	-	-	-		
Physical therapists		50.7	-	-	1.8	-	-		
Radiation therapists		38.6	-	-	-	-	-		
Recreational therapists		73.9	-	-	-	-	-		
Respiratory therapists		78.0	-	3.9	4.5	2.7	-		
Speech-language pathologists		15.9	-	-	-	-	-		
Veterinarians Medical and clinical laboratory	29-1131	13.4	-	_	-	-	_		
technologists Medical and clinical laboratory	29-2011	35.9	-	4.9	1.4	-	_		
technicians	29-2012	171.0	5.2	12.1	8.9	3.0	_		
Dental hygienists	29-2021	33.3	_	_	_	_	_		
Cardiovascular technologists and technicians	29-2031	65.4	_	_	6.1	_	_		
Diagnostic medical					0.1				
sonographers	29-2032	58.1	_	_	_	_	_		
Nuclear medicine technologists Radiologic technologists and	29-2033	173.5	-	-	-	-	-		
technicians Emergency medical technicians	29-2034	100.2	-	3.2	4.6	9.4	_		
and paramedics	29-2041	453.8		4.9	7.3	7.1	_		
Dietetic technicians		403.8 60.9		4.9	1.5				
Pharmacy technicians		26.3	_	4.2	9	.8	_		
Psychiatric technicians	29-2052	191.4	_	4.2	.9	.0	_		
Respiratory therapy technicians	29-2053	77.7		_	_	-	-		
			-		45.0		-		
Surgical technologists Veterinary technologists and	29-2055	196.0	_	19.1	15.2	3.7	5.5		
technicians	29-2056	168.2	-	6.7	6.2		-		

	Source of injury or illness ⁵									
Occupation	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶				
Audio and video equipment										
technicians	_	8.6	_	_	_	_				
Broadcast technicians	7.1	16.5	-	-	-	14.8				
Sound engineering technicians	-	-	-	-	-	_				
Photographers	3.8	67.9	-	17.2	-	16.5				
Camera operators, television,										
video, and motion picture	9.7	-	-	-	-	27.4				
Healthcare practitioners and technical										
occupations	13.5	22.5	0.7	6.7	33.4	15.2				
Dentists, general	-	66.6		-	-	-				
Dietitians and nutritionists	8.5	30.6	-	-	-	7.6				
Pharmacists	3.0	4.8	-	-	-	3.1				
Anesthesiologists	-	-	-	-	-	-				
Family and general practitioners	-	-	-	-	-	-				
Pediatricians, general	-	-	-	-	-	-				
Psychiatrists	-	-	-	-	-	-				
Surgeons	-	-	-	-	-	2.9				
Physician assistants	-	-		-	-	-				
Registered nurses	16.2	27.4	.4	7.3	50.6	15.3				
Occupational therapists	6.0	7.3	-	-	22.4	5.0				
Physical therapists	9.9	7.4	-	3.1	21.8	3.8				
Radiation therapists Recreational therapists	_ 25.5	28.6	_	-	14.7	-				
Respiratory therapists	25.5 12.9	19.8	_	2.4	_ 12.6	17.2				
Speech-language pathologists	12.9	7.7	_	2.4	12.0	17.2				
Veterinarians	_	1.1	_	_	_	10.7				
Medical and clinical laboratory		_			_	10.7				
technologists	7.0	8.9	_	1.4	5.8	3.5				
Medical and clinical laboratory	7.0	0.0		11	0.0	0.0				
technicians	21.7	38.3	_	50.3	17.1	13.0				
Dental hygienists	17.4	14.2	_	_	-	_				
Cardiovascular technologists										
and technicians	14.2	20.2	-	-	7.1	10.2				
Diagnostic medical										
sonographers	18.6	14.8	-	-	12.5	5.1				
Nuclear medicine technologists	-	-	-	-	159.8	_				
Radiologic technologists and										
technicians	12.2	18.0	-	3.1	36.6	11.4				
Emergency medical technicians										
and paramedics	42.5	60.3	-	46.5	180.4	103.9				
Dietetic technicians	-	15.6	-	-	-	-				
Pharmacy technicians	9.0	4.7	-	1.2	-	4.1				
Psychiatric technicians	17.3	37.9	-	-	102.3	21.9				
Respiratory therapy technicians	16.8	18.1	-	-	-	16.1				
Surgical technologists	36.8	37.1	5.2	5.8	33.6	31.6				
Veterinary technologists and	<i></i>									
technicians	21.1	6.0	-	-	-	125.8				

				Source	e of injury or i	llness ⁵	
Occupation	Occupation code ³	Private industry ⁴	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials
Licensed practical and licensed							
vocational nurses	29-2061	156.9	1.6	3.4	4.5	1.7	0.9
information technicians	29-2071	89.5	24.2	7.6	13.0	-	-
Opticians, dispensing Occupational health and safety	29-2081	4.3	-	-	-	-	-
specialists Occupational health and safety	29-9011	63.4	-	-	-	-	-
technicians	29-9012	71.3	-	_	_	-	-
Athletic trainers	29-9091	15.9		-	_	-	-
Healthcare support occupations	31-0000	279.2	3.9	9.7	11.9	3.1	1.4
Home health aides Nursing aides, orderlies, and	31-1011	127.4	.9	3.1	4.6	1.0	.7
attendants	31-1012	526.0	4.8	9.3	21.2	4.8	2.1
Psychiatric aides Occupational therapist	31-1013	1,066.6	-	-	49.7	-	-
assistants	31-2011	80.0	-	-	27.5	-	-
Occupational therapist aides	31-2012	121.4	-	-	-	-	-
Physical therapist assistants	31-2021	51.1	-	-	7.0	-	-
Physical therapist aides	31-2022	43.8	-	-	-	-	-
Massage therapists	31-9011	93.8	-	-	-	-	-
Dental assistants	31-9091	43.2	15.5	-	.9	-	-
Medical assistants	31-9092	34.1	-	7.7	.8	-	-
Medical equipment preparers	31-9093	95.5	6.4	11.7	6.9	-	-
Medical transcriptionists	31-9094	12.2	-	-	-	-	-
Pharmacy aides Veterinary assistants and	31-9095	139.4	-	24.2	-	-	-
laboratory animal caretakers	31-9096	208.7	-	15.6	25.5	-	
Protective service occupations First-line supervisors/managers	33-0000	108.7	1.6	2.9	1.8	.9	2.1
of correctional officers	33-1011	273.3	-	-	-	-	-
Fire fighters	33-2011	154.5	-	-	-	-	-
Correctional officers and jailers Police and sheriff's patrol	33-3012	394.7	-	_	17.0	-	-
officers	33-3051	406.3	-	-	-	-	-
Transit and railroad police	33-3052	107.9	-	-	-	-	-
Animal control workers Private detectives and	33-9011	145.5	-	-	_	-	_
investigators Gaming surveillance officers and	33-9021	101.2	-	-	_	-	_
gaming investigators	33-9031	333.8		-	_	-	-
Security guards	33-9032	98.7	1.6	2.6	1.4	1.0	1.7
Crossing guards Lifeguards, ski patrol, and other	33-9091	93.4	-	-	_	-	_
recreational protective service							
workers Food preparation and serving related	33-9092	119.3	-	-	_	-	_
occupations	35-0000	110.9	2.0	20.6	6.2	11.6	1.1

			Source of inju	ury or illness ⁵		
Occupation	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶
Licensed practical and licensed						
vocational nurses	15.9	41.1	0.8	7.7	56.6	22.7
Medical records and health						
information technicians	13.6	19.0	-	1.5	-	8.1
Opticians, dispensing	-	-	-	-	-	-
Occupational health and safety specialists	40.6	10.9				
Occupational health and safety	40.6	10.9	_	-	_	_
technicians	_	_	_	_	_	_
Athletic trainers	_	_	_	_	_	_
Healthcare support occupations	24.1	42.6	1.2	8.8	132.1	40.4
Home health aides	8.5	25.6	.8	13.2	47.9	21.0
Nursing aides, orderlies, and						
attendants	44.2	71.7	1.4	8.3	295.5	62.7
Psychiatric aides	75.2	200.0	-	48.4	565.4	114.0
Occupational therapist						
assistants	-	12.0	-	-	17.9	14.7
Occupational therapist aides	-	49.1	-	-	38.8	-
Physical therapist assistants	9.5	-	-	-	14.0	16.0
Physical therapist aides	5.2	4.8	-	-	21.9	6.5
Massage therapists Dental assistants	50.2 5.2	7.1	-	-	10.1	22.9 12.0
Medical assistants	4.0	4.4	-	7	2.7	12.0
Medical equipment preparers	13.4	18.6	_	7.3	2.1	24.0
Medical transcriptionists	5.6	5.3	_		_	
Pharmacy aides	17.4	13.9	_	_	_	74.4
Veterinary assistants and						
laboratory animal caretakers	8.4	3.8	-	-	-	153.5
Protective service occupations	16.7	32.0	3.3	15.7	4.2	27.5
First-line supervisors/managers						
of correctional officers	-	-	-	-	-	
Fire fighters	23.9	43.1	-	-	-	48.6
Correctional officers and jailers	94.5	80.9	-	13.9	-	153.1
Police and sheriff's patrol						
officers	86.3	94.5	-	-	-	155.3
Transit and railroad police	-	-	-	-	-	-
Animal control workers	-	-	-	-	-	-
Private detectives and	9.8	7.0		79.6		
investigators Gaming surveillance officers and	9.0	1.0	_	79.0	_	-
gaming investigators	_	100.8	_	56.9	_	111.9
Security guards	 14.9	31.9	3.8	11.4	4.4	24.0
Crossing guards	23.8	-		37.2		
Lifeguards, ski patrol, and other	20.0			57.12		
recreational protective service						
workers	19.0	37.4	-	_	_	50.2
Food preparation and serving related						
occupations	10.9	26.2	11.4	2.5	.1	18.5

				Source	e of injury or i	llness ⁵	
Occupation	Occupation code ³	Private industry ⁴	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials
Chefs and head cooks First-line supervisors/managers	35-1011	114.7	22.3	16.7	9.3	3.4	2.2
of food preparation and serving workers	35-1012	95.8	1.6	24.2	3.5	12.8	.6
Cooks, fast food	35-2011	25.9		2.2		14.2	.0
Cooks, institution and cafeteria	35-2012	260.6	3.2	41.1	5.8	16.7	2.3
Cooks, restaurant	35-2012	183.3	2.4	33.7	3.8	14.3	1.9
Cooks, short order		33.0	2.4	7.1	5.0	2.3	1.9
Food preparation workers	35-2015	198.4	4.6	27.9	_ 5.0	2.3	2.2
			4.0				2.2
Bartenders Combined food preparation and serving workers, including fast	35-3011	46.0	_	12.4	1.2	2.4	_
food Counter attendants, cafeteria,	35-3021	84.3	1.0	13.8	4.0	16.3	1.2
food concession, and coffee	05 0000	4					
shop	35-3022	75.1	-	8.3	9.2	2.8	-
Waiters and waitresses	35-3031	66.9	.8	11.3	4.7	1.7	.3
Food servers, nonrestaurant Dining room and cafeteria attendants and bartender	35-3041	333.2	7.7	65.8	18.2	32.9	5.8
helpers	35-9011	113.0	_	33.9	7.9	1.1	_
Dishwashers	35-9021	169.2	7.6	52.4	7.4	13.3	2.0
Hosts and hostesses, restaurant.	00 0021			02			2.0
lounge, and coffee shop	35-9031	51.8	_	9.6	2.9	_	_
Building and grounds cleaning and							
maintenance occupations First-line supervisors/managers of housekeeping and janitorial	37-0000	243.8	7.1	28.4	20.1	16.1	11.2
workers First-line supervisors/managers	37-1011	167.3	3.6	17.9	13.8	14.1	11.6
of landscaping, lawn service, and groundskeeping workers Janitors and cleaners, except	37-1012	227.3	-	16.0	3.4	25.8	23.1
maids and housekeeping cleaners Maids and housekeeping	37-2011	248.2	7.9	43.8	20.9	17.1	11.0
cleaners	37-2012	270.8	11.9	31.1	39.0	8.4	4.0
Pest control workers Landscaping and	37-2021	270.0	21.2	5.6	-	-	9.6
groundskeeping workers Pesticide handlers, sprayers,	37-3011	192.8	1.5	5.4	5.3	21.4	15.3
and applicators, vegetation	37-3012	97.0		-	-	-	-
Tree trimmers and pruners	37-3013	746.5		-	-	-	25.8
Personal care and service occupations	39-0000	116.2	1.3	10.5	3.9	1.4	1.8
Gaming supervisors	39-1011	32.7		_	-	-	-
Slot key persons First-line supervisors/managers	39-1012	85.0	-	-	_	-	_
of personal service workers	39-1021	66.4		3.1	16.4	-	-

			Source of inj	ury or illness ⁵		
Occupation	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶
Chefs and head cooks First-line supervisors/managers	14.4	6.9	18.3	2.4	_	18.8
of food preparation and serving workers	7.8	23.2	2.3	5.0	_	14.8
Cooks, fast food	.9	5.5		.4	_	2.7
Cooks, institution and cafeteria		59.5	50.4	3.8	2.1	52.6
Cooks, restaurant	15.0	29.5	42.3	1.4	_	38.8
Cooks, short order		3.9	8.2	_	_	8.6
Food preparation workers	19.1	42.5	30.8	4.0	_	33.5
Bartenders	10.4	10.2	1.3	-	_	7.5
Combined food preparation and serving workers, including fast						
food	12.1	19.2	4.1	1.5	-	11.0
Counter attendants, cafeteria,						
food concession, and coffee						
shop	6.9	32.7	1.5	1.8	-	11.5
Waiters and waitresses		25.9	4.4	.6	-	9.8
Food servers, nonrestaurant	35.2	83.1	8.5	25.7	-	49.4
Dining room and cafeteria						
attendants and bartender						
helpers		28.8	4.4	4.5	-	21.8
Dishwashers	8.8	28.1	22.3	2.0	-	25.1
Hosts and hostesses, restaurant,		17.7		2.6		11.2
lounge, and coffee shop Building and grounds cleaning and	7.4	17.7	-	2.0	_	11.2
maintenance occupations	32.3	51.9	12.9	15.4	.2	48.2
First-line supervisors/managers of housekeeping and janitorial	52.5	51.5	12.9	15.4	.2	40.2
workers First-line supervisors/managers	22.8	46.8	1.5	7.1	-	28.0
of landscaping, lawn service,						
and groundskeeping workers Janitors and cleaners, except	21.2	49.6	10.2	11.8	-	65.1
maids and housekeeping						
cleaners	31.0	52.9	9.0	12.5	_	41.9
Maids and housekeeping				_		_
cleaners	46.2	74.2	5.8	15.0	.7	34.5
Pest control workers	20.2	85.8	-	114.6	-	14.2
Landscaping and						
groundskeeping workers Pesticide handlers, sprayers,	20.6	20.2	28.6	14.2	_	60.5
and applicators, vegetation	-	12.6	-	-	-	72.0
Tree trimmers and pruners	82.8	189.0	66.9	15.7	-	355.9
Personal care and service occupations	13.8	25.2	2.2	17.8	11.2	27.0
Gaming supervisors	-	-	-	-	-	-
Slot key persons	-		-	-	–	30.1
First-line supervisors/managers						
of personal service workers	3.9	9.8	-	4.0	8.6	18.2

				Source	e of injury or i	llness ⁵	
Occupation	Occupation code ³	Private industry ⁴	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials
Animal trainers	39-2011	121.0	_	_	_	_	_
Nonfarm animal caretakers		272.7	4.3	37.5	_	2.4	21.1
Gaming dealers	39-3011	50.4		_	_		_
Gaming and sports book writers							
and runners	39-3012	17.2	_	_	_	_	_
Motion picture projectionists	39-3021	65.4	_	_	_	_	_
Ushers, lobby attendants, and							
ticket takers	39-3031	102.1	_	22.5	4.3	_	_
Amusement and recreation		-		_	_		
attendants	39-3091	97.0	_	3.3	1.5	4.0	2.6
Costume attendants		220.6	_	_	_	-	-
Locker room, coatroom, and							
dressing room attendants Hairdressers, hairstylists, and	39-3093	126.8	-	-	-	-	-
cosmetologists	39-5012	40.3	_	2.4	6.8	-	-
Manicurists and pedicurists	39-5092	6.1		-	-	-	-
Skin care specialists		14.4	_	-	-	-	-
Baggage porters and bellhops	39-6011	335.0		155.4	8.0	11.9	9.1
Concierges	39-6012	63.0		24.0	_	-	-
Tour guides and escorts	39-6021	57.4		_	_	-	-
Flight attendants Transportation attendants, except flight attendants and		727.3	15.3	92.7	7.8	-	3.4
baggage porters		257.1	-	54.0	-	-	-
Child care workers		94.0	1.1	.7	1.9	.8	1.1
Personal and home care aides Fitness trainers and aerobics		119.9	.7	2.6	3.2	2.2	.5
instructors		16.0	-	-	-	-	-
Recreation workers		125.1	-	-	3.8	-	1.8
Residential advisors		102.4	-	9.5	-	-	-
Sales and related occupations	41-0000	70.2	.7	14.6	5.2	2.5	3.8
First-line supervisors/managers							
of retail sales workers	41-1011	141.2	1.6	41.8	11.6	3.9	7.4
First-line supervisors/managers		~ ~ ~					
of non-retail sales workers		66.0	.8	4.8	1.4	7.4	6.0
Cashiers	41-2011	61.6	.9	14.9	4.1	2.8	1.7
Gaming change persons and							
booth cashiers		156.2	-	18.6		-	-
Counter and rental clerks		34.3		4.0	.8	1.8	3.1
Parts salespersons		64.1	-	8.1		-	26.7
Retail salespersons		106.0	.9	21.4	10.1	3.9	5.7
Advertising sales agents		17.4		-	-	-	-
Insurance sales agents	41-3021	26.9		-	-	.8	-
Securities, commodities, and	44.0001	4.0					
financial services sales agents	41-3031	1.8		-	-	-	-
Travel agents	41-3041	3.6	-	-	-	-	-

			Source of inju	ury or illness ⁵		
Occupation	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶
Animal trainers	30.7	16.2	_	_	_	55.0
Nonfarm animal caretakers	16.8	39.8	_	_	_	146.7
Gaming dealers	16.8	21.5	_	_	_	5.7
Gaming and sports book writers						
and runners	_	_	_	_	-	_
Motion picture projectionists	_	40.0	_	_	-	_
Ushers, lobby attendants, and						
ticket takers	12.7	48.6	-	-	-	10.9
Amusement and recreation						
attendants	16.1	31.5	2.6	18.3	-	16.7
Costume attendants	-	94.1	-	_	-	110.0
Locker room, coatroom, and						
dressing room attendants	-	69.5	-	_	-	20.8
Hairdressers, hairstylists, and						
cosmetologists	10.0	6.0	12.0	-	-	2.2
Manicurists and pedicurists	-	-	-	-	-	-
Skin care specialists	-	-	-	-	-	9.4
Baggage porters and bellhops	40.5	27.9	-	30.0	-	47.5
Concierges	-	24.6	-	-	-	-
Tour guides and escorts		17.1	-	_	-	16.0
Flight attendants Transportation attendants, except flight attendants and	74.3	82.0	_	337.8	_	111.4
baggage porters	18.8	61.5	-	34.5	-	72.6
Child care workers	9.2	34.9	-	9.9	5.0	29.1
Personal and home care aides Fitness trainers and aerobics	10.5	24.4	.6	5.5	41.3	28.3
instructors	5.5	3.9	_	_	_	5.6
Recreation workers	15.2	44.7	_	2.3	10.3	44.2
Residential advisors	13.4	25.0	_	14.7	25.0	8.7
Sales and related occupations	10.7	16.6	1.8	5.2	_	9.1
First-line supervisors/managers	-		_	-		_
of retail sales workers	15.4	27.6	3.8	7.6	-	20.5
First-line supervisors/managers	40.7	110				5.0
of non-retail sales workers	13.7	14.6	3.1	9.2	-	5.0
Cashiers Gaming change persons and	8.8	15.3	1.1	2.8	-	9.3
booth cashiers	24.0	35.5	_	20.5	_	39.7
Counter and rental clerks	4.9	7.0	7.0	2.0	-	3.3
Parts salespersons	7.5	8.6	_	7.6	_	4.3
Retail salespersons	16.6	24.6	3.1	5.7	_	13.9
Advertising sales agents	1.5	4.3	_	6.6	-	2.8
Insurance sales agents	2.8	17.3	-	4.7	_	.7
Securities, commodities, and						
financial services sales agents	_	-	_	_	_	-
Travel agents	-	-	-	-	-	
-						

				Source	e of injury or i	llness ⁵	
Occupation	Occupation code ³	Private industry ⁴	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials
Sales representatives, wholesale and manufacturing, technical and scientific products Sales representatives, wholesale and manufacturing, except technical and scientific	41-4011	17.3	_	1.6	_	0.4	2.5
products Demonstrators and product	41-4012	19.5	0.1	3.4	0.9	.2	1.6
promoters	41-9011	41.7					
Real estate sales agents		41.7 9.7	_	-	_	_	_
Sales engineers	41-9022	9.7 3.3	-		_	-	_
Telemarketers	41-9031		_	-	- 1.2	-	-
Door-to-door sales workers, news and street vendors, and	41-9041	35.0	_	-	1.2	-	_
related workers	41-9091	205.7	-	-	-	-	-
Office and administrative support							
occupations	43-0000	54.3	.9	12.2	2.2	2.1	1.8
First-line supervisors/managers of office and administrative							
support workers Switchboard operators, including	43-1011	56.0	.6	7.7	2.3	1.4	1.7
answering service	43-2011	13.6	_	_	1.5	_	_
Telephone operators	43-2021	78.0	_	_	_	_	_
Bill and account collectors Billing and posting clerks and	43-3011	23.6	2.2	-	1.4	-	-
machine operators Bookkeeping, accounting, and	43-3021	14.7	1.7	1.5	-	.9	-
auditing clerks	43-3031	13.7	-	1.8	1.4	.1	-
Gaming cage workers	43-3041	73.0	_	23.0	-	-	-
Payroll and timekeeping clerks	43-3051	29.0	_	1.6	_	_	-
Procurement clerks	43-3061	22.1	_	_	8.8	_	_
Tellers	43-3071	25.6	_	10.4	.7	3.1	_
Correspondence clerks	43-4021	29.3	_	_			_
Court, municipal, and license		_0.0					
clerks	43-4031	97.5	-	-	-	-	-
Credit authorizers, checkers, and clerks Customer service	43-4041	13.9	-	_	_	-	-
representatives	43-4051	61.5	1.8	10.2	2.4	1.7	2.2
File clerks		36.2	1.0	9.3	2.4	1.7	2.2
Hotel, motel, and resort desk	43-4071		_		3.3		_
clerks Interviewers, except eligibility	43-4081	15.4	_	3.7	-	-	_
and loan	43-4111	41.1	–	1.9	_	-	-
Library assistants, clerical	43-4121	124.9	_	_	_	-	-
Loan interviewers and clerks	43-4131	3.8	_	_	_	_	-
Order clerks	43-4151	23.5	-	9.5	_		_
	_						

Occupation Sales representatives, wholesale and manufacturing, technical	1.3	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶
and manufacturing, technical	1.3				l .	L
and scientific products Sales representatives, wholesale and manufacturing, except		6.5	-	4.4	_	0.5
technical and scientific products	3.9	3.3	_	4.6	_	1.3
Demonstrators and product						
promoters		22.6	-	-	-	-
Real estate sales agents		7.9	-	-	-	-
Sales engineers		-	-	-	-	-
Telemarketers Door-to-door sales workers, news and street vendors, and	13.3	13.0	_	2.1	_	4.8
related workers Office and administrative support	32.1	30.4	_	103.6	_	27.1
occupations First-line supervisors/managers	9.8	12.9	1.3	4.4	0.2	6.6
of office and administrative support workers Switchboard operators, including		17.5	.4	5.5	-	14.1
answering service		7.7	_	_	_	_
Telephone operators		26.7	_	_	_	11.1
Bill and account collectors Billing and posting clerks and		8.4	.9	.8	_	3.0
machine operators Bookkeeping, accounting, and	4.2	3.2	-	1.0	-	1.3
auditing clerks		4.3	-	.1	-	1.6
Gaming cage workers		-	-	-	-	-
Payroll and timekeeping clerks		22.7	-	-	-	-
Procurement clerks		5.6	-	-	-	-
Tellers		8.2	-	-	-	1.9
Correspondence clerks Court, municipal, and license		_	_	-	_	_
clerks Credit authorizers, checkers, and clerks		8.2	_	97.5	_	_
Customer service representatives	-	15.2	1.0	7.3	_	7.4
File clerks		9.7		1.6		2.5
Hotel, motel, and resort desk clerks	_	5.3	_	-	_	2.9
Interviewers, except eligibility and loan		18.3	_	2.6	1.9	7.5
Library assistants, clerical		_	-			
Loan interviewers and clerks Order clerks	-	2.3 2.8		- 1.1	-	- 6.5

				Source	e of injury or i	llness ⁵	
Occupation	Occupation code ³	Private industry ⁴	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials
Human resources assistants,							
except payroll and timekeeping Receptionists and information	43-4161	11.0	-	-	-	-	_
clerks Reservation and transportation	43-4171	36.3	0.8	3.3	1.5	1.3	_
ticket agents and travel clerks	43-4181	192.8	1.4	62.2	3.4	9.4	3.5
Cargo and freight agents		75.2		24.0	_	3.7	3.2
Couriers and messengers	43-5021	148.5	_	19.5	_		2.0
Dispatchers, except police, fire,					4.0		
and ambulance		25.1	-	2.2	1.6	-	1.0
Meter readers, utilities Production, planning, and	43-5041	256.9	-	-	-	-	12.1
expediting clerks Shipping, receiving, and traffic	43-5061	75.9	.9	6.9	1.6	14.1	8.3
clerks	43-5071	124.1	.4	39.3	3.9	5.2	9.7
Stock clerks and order fillers	43-5081	168.2	1.4	61.0	7.4	7.8	6.9
Weighers, measurers, checkers,							
and samplers, recordkeeping	43-5111	90.6	-	14.1	_	2.7	16.1
Executive secretaries and							
administrative assistants	43-6011	30.1	.3	6.4	1.9	.6	-
Legal secretaries		16.8	-	4.0	_	-	-
Medical secretaries		26.5	_	2.5	.7	_	_
Secretaries, except legal,		_0.0		2.0			
medical, and executive	43-6014	8.1	_	.6	1.1	_	_
Computer operators		20.8	_	3.3		_	_
Data entry keyers	43-9021	20.8	_	1.5	—	_	_
			-	1.5	-	-	_
Word processors and typists	43-9022	72.8	-	-	3.3	-	-
Insurance claims and policy	10.0011						
processing clerks Mail clerks and mail machine operators, except postal	43-9041	31.4	1.1	2.9	1.4	-	_
service	43-9051	120.6	3.0	35.3	1.9	8.7	2.4
Office clerks, general	43-9061	44.4	1.6	7.1	1.2	.5	.7
Office machine operators,							
except computer	43-9071	57.3	-	7.3	-	9.9	-
Farming, fishing, and forestry							
occupations	45-0000	152.1	2.0	8.9	1.2	9.2	11.1
First-line supervisors/managers of farming, fishing, and forestry							
workers	45-1011	131.8	_	8.7	_	8.3	8.8
Agricultural inspectors		54.4	_		_		
Animal breeders	45-2011	66.8			_		
	+5-2021	00.0	-	_	_		
Graders and sorters, agricultural	45 2044	70.4		0.7		20	2.2
products	45-2041	72.1	-	9.7	_	3.9	3.3
Agricultural equipment operators	45-2091	154.0	2.1	9.1	-	9.0	10.2
Farmworkers and laborers, crop,	45.0000						40.0
nursery, and greenhouse	45-2092	154.0	2.1	9.1	1.3	9.0	10.2

			Source of inju	ury or illness ⁵		
Occupation	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶
Human resources assistants,						
except payroll and timekeeping Receptionists and information	-	2.3	-	-	5.7	-
clerks Reservation and transportation	6.9	17.5	-	0.7	.2	3.8
ticket agents and travel clerks	33.0	26.0	4.3	22.7	-	26.8
Cargo and freight agents	9.7	6.9	_	18.4	_	7.3
Couriers and messengers Dispatchers, except police, fire,	18.9	32.7	-	50.9	-	21.7
and ambulance	6.7	8.7	-	2.3	_	1.8
Meter readers, utilities Production, planning, and	68.9	81.9	-	24.6	-	64.4
expediting clerks	14.2	9.2	1.8	13.1	-	5.7
clerks	16.5	19.9	5.1	9.7	_	14.2
Stock clerks and order fillers	22.8	21.7	8.1	14.0	-	17.2
Weighers, measurers, checkers,						
and samplers, recordkeeping Executive secretaries and	10.2	16.7	3.4	9.5	-	15.8
administrative assistants	3.7	10.4	.3	1.8	_	4.5
Legal secretaries	3.0	7.9	_	_	_	1.0
Medical secretaries	5.2	11.2	_	_	1.3	3.7
Secretaries, except legal,	-				-	-
medical, and executive	1.7	3.8	_	_	_	.7
Computer operators	6.6	4.7	_	_	_	_
Data entry keyers	9.8	8.4	_	1.8	_	.9
Word processors and typists	27.9	32.4	_	_	_	5.9
Insurance claims and policy						
processing clerks	10.1	10.8	-	.8	-	3.8
service	29.4	17.1	4.6	10.7	-	7.5
Office clerks, general Office machine operators,	13.5	13.4	.2	1.4	.4	4.4
except computer	15.5	5.4	-	-	-	16.3
Farming, fishing, and forestry	00 F	00.0	0.0	10.0		40.4
occupations First-line supervisors/managers of farming, fishing, and forestry	22.5	28.6	8.2	12.0	-	48.4
workers	11.8	36.5	9.5	13.1	_	34.9
Agricultural inspectors	-		9.5		_	
Animal breeders	_	_	_	_	_	_
Graders and sorters, agricultural						
products	13.9	13.4	_	_	_	18.9
Agricultural equipment operators	23.3	29.2	7.5	12.8	_	49.5
Farmworkers and laborers, crop,	20.0	20.2	1.0	12.0		-0.0
nursery, and greenhouse	23.3	29.2	7.5	12.8	_	49.5
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			Source of injury or illness ⁵						
Occupation	Occupation code ³	Private industry ⁴	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials		
Farmworkers, farm and ranch									
animals Fishers and related fishing	45-2093	154.0	2.1	9.1	-	9.0	10.2		
workers	45-3011	76.3	_	15.8	_	-	_		
Forest and conservation workers	45-4011	88.0	-	_	_	-	_		
Fallers	45-4021	265.5	_	-	_	-	_		
Logging equipment operators	45-4022	265.5	_	-	_	24.6	42.1		
Log graders and scalers	45-4023	265.5	_	_	_	_	42.1		
Construction and extraction occupations	47-0000	270.9	4.0	12.8	4.2	19.2	63.4		
First-line supervisors/managers of construction trades and									
extraction workers	47-1011	170.2	1.5	5.4	1.9	16.5	35.2		
Boilermakers	47-2011	123.2		17.5	_	11.1	22.0		
Brickmasons and blockmasons	47-2021	222.5	-	11.2	-	3.0	52.9		
Stonemasons	47-2022	200.8		-	_	-	32.6		
Carpenters	47-2031	335.2	1.2	10.1	9.9	18.7	94.3		
Carpet installers Floor layers, except carpet,	47-2041	194.9	-	51.5	24.8	6.5	-		
wood, and hard tiles	47-2042	87.2	_	23.6	_	_	_		
Floor sanders and finishers	47-2043	92.1	_	_	_	_	_		
Tile and marble setters Cement masons and concrete	47-2044	112.5	-	10.9	6.8	4.9	29.0		
finishers	47-2051	81.7	2.2	2.9	_	9.1	9.6		
Construction laborers Paving, surfacing, and tamping	47-2061	488.4	4.8	28.4	4.1	26.6	118.1		
equipment operators	47-2071	124.2	_	_	_	14.7	7.1		
Pile-driver operators Operating engineers and other	47-2072	84.6	-	-	-	-	_		
construction equipment operators	47-2073	139.6	2.2	2.0	_	38.9	18.1		
Drywall and ceiling tile installers	47-2081	177.7		7.8	2.6	3.5	56.7		
Tapers	47-2082	106.3	_	9.9	_	_	11.3		
Electricians	47-2111	223.0	3.0	11.3	3.6	15.2	56.1		
Glaziers Insulation workers, floor, ceiling,	47-2121	390.1	_	4.2	_	20.4	101.0		
and wall	47-2131	464.9	-	16.6	_	-	82.9		
Insulation workers, mechanical Painters, construction and	47-2132	71.1	-	22.7	-	-	8.7		
maintenance	47-2141	225.8	12.5	19.5	2.9	5.4	20.8		
Paperhangers	47-2142	67.3	_	_	_	_			
Pipelayers Plumbers, pipefitters, and	47-2151	213.0	-	-	-	17.1	48.7		
steamfitters	47-2152	298.9	5.2	15.0	11.8	28.6	62.9		
Plasterers and stucco masons Reinforcing iron and rebar	47-2161	159.0	12.3	11.3	-	11.6	24.1		
workers	47-2171	232.9	_	19.7	_	7.1	64.7		
Roofers	47-2181	410.1	1.5	27.2	_	6.0	77.1		
Sheet metal workers	-	269.5	1.7	10.4	1.1	31.6	81.1		

	Source of injury or illness ⁵									
Occupation	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶				
Farmworkers, farm and ranch										
animals Fishers and related fishing	23.3	29.2	7.5	12.8	-	49.5				
workers	-	15.0	15.0	-	-	13.5				
Forest and conservation workers	23.8	-	-	-	-	54.4				
Fallers	31.7	38.1	_	_	_	84.1				
Logging equipment operators	_	38.1	_	12.7	_	84.1				
Log graders and scalers	_	_	_	_	_	_				
Construction and extraction occupations First-line supervisors/managers	33.3	47.5	26.8	11.1	_	48.6				
of construction trades and	45.0	07.0	47.0	0.4		00.0				
extraction workers	15.8	37.9	17.0	6.4	-	32.6				
Boilermakers	15.4	30.9	10.8	-	-	13.6				
Brickmasons and blockmasons	40.1	42.9	12.4	7.8	-	50.3				
Stonemasons	29.7	-	-	29.0	-	96.6				
Carpenters	39.0	59.0	33.2	7.4	-	62.3				
Carpet installers Floor layers, except carpet,	11.9	40.9	41.5	5.9	-	9.3				
wood, and hard tiles	27.4	-	19.5	-	-					
Floor sanders and finishers	-	46.5	-	-	-	-				
Tile and marble setters Cement masons and concrete	14.9	22.1	14.7	-	-	5.9				
finishers	14.0	14.0	20.2	1.8	-	7.7				
Construction laborers Paving, surfacing, and tamping	57.9	70.9	54.2	22.0	_	101.5				
equipment operators	11.8	16.0	_	_	_	66.0				
Pile-driver operators Operating engineers and other construction equipment	_	_	-	-	_	_				
operators	18.6	21.0	6.0	13.9	_	18.9				
Drywall and ceiling tile installers	28.0	38.6	10.8	3.5	-	25.4				
Tapers	19.0	40.7	5.0	-	_	18.4				
Electricians	34.1	38.9	16.8	9.8	-	34.1				
Glaziers Insulation workers, floor, ceiling,	78.3	42.4	27.9	10.5	-	103.3				
and wall	126.2	106.7	30.9	38.3	_	61.5				
Insulation workers, mechanical Painters, construction and	_	_	_	22.7	_	_				
maintenance	28.4	50.8	28.6	4.6	_	52.3				
Paperhangers	-	-	-	_	-	-				
Pipelayers Plumbers, pipefitters, and	37.7	46.1	46.3	-	_	12.5				
steamfitters	53.2	42.7	39.4	9.2	-	30.9				
Plasterers and stucco masons Reinforcing iron and rebar	14.2	41.4	3.7	11.5	_	28.8				
workers	21.4	20.0	21.6	_	-	76.4				
Roofers	41.2	98.9	50.8	17.3	_	89.1				
Sheet metal workers	27.3	43.8	27.7	7.8	_	37.0				

				Source	e of injury or i	llness ⁵	
Occupation	Occupation code ³	Private industry ⁴	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials
Structural iron and steel workers Helpersbrickmasons, blockmasons, stonemasons,	47-2221	267.8	_	8.5	-	13.0	131.6
and tile and marble setters Helperscarpenters Helperselectricians	47-3011 47-3012 47-3013	222.5 198.9 224.0	_ 50.8 _	6.3 2.6 4.3	- - 3.6	- 47.9 12.2	25.0 43.9 39.2
Helperspainters, paperhangers, plasterers, and stucco masons Helperspipelayers, plumbers,	47-3014	182.7	_	17.4	23.9	_	63.6
history pipelifyers, and steamfitters Helpers-roofers Construction and building	47-3015 47-3016	165.0 78.2		20.1 -	_ _	6.4 _	54.3 30.7
inspectors Elevator installers and repairers Fence erectors Hazardous materials removal	47-4011 47-4021 47-4031	21.2 85.5 141.0	- - -	- - 10.9	- - -	_ 21.6 _	_ 13.9 60.6
workers Highway maintenance workers Rail-track laying and	47-4041 47-4051	76.3 536.6		-	- -	_ 33.3	8.1 82.7
maintenance equipment operators Septic tank servicers and sewer	47-4061	100.9	-	-	-	_	-
Derrick operators, oil and gas Rotary drill operators, oil and gas	47-4071 47-5011	97.1 139.7		-	-	19.3 27.7	24.2 46.0
gas Service unit operators, oil, gas,	47-5012	92.0	-	-	-	15.5	24.1
and mining Earth drillers, except oil and gas Continuous mining machine	47-5013 47-5021	22.2 176.7		_ 16.2	-	7.2 8.2	_ 21.3
operators Mine cutting and channeling	47-5041	126.1	33.5	-	-	-	28.6
machine operators Roof bolters, mining Roustabouts, oil and gas Helpersextraction workers	47-5042 47-5061 47-5071 47-5081	38.1 1,018.4 56.3 115.5	258.1 – –	_ 39.5 _ _	- - -		234.8 18.0 26.7
Installation, maintenance, and repair occupations First-line supervisors/managers of mechanics, installers, and	49-0000	212.8	3.8	13.1	5.7	20.7	41.6
repairers Computer, automated teller, and	49-1011	79.8	6.4	4.8	1.5	7.0	17.1
office machine repairers Radio mechanics Telecommunications equipment installers and repairers, except	49-2011 49-2021	227.9 65.0		10.2 _	2.4	48.3 -	15.2 -
line installers	49-2022	218.7	-	8.6	2.1	4.7	26.0

			Source of inju	ury or illness ⁵		
Occupation	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶
Structural iron and steel workers Helpersbrickmasons,	11.3	64.0	7.2	4.5	_	26.9
blockmasons, stonemasons, and tile and marble setters	6.3	166.3	5.1	3.1	-	7.6
Helperscarpenters Helperselectricians Helperspainters, paperhangers, plasterers, and	8.0 37.9	18.6 31.8	10.4 20.0	6.9 51.1	_	9.2 23.9
stucco masons Helperspipelayers, plumbers,	10.1	41.0	_	_	-	10.7
pipefitters, and steamfitters Helpers-roofers	8.1 _	24.0 -	20.3 -	-		27.7 26.6
Construction and building inspectors	7.8	4.6	-	-	-	_
Elevator installers and repairers Fence erectors Hazardous materials removal	25.8 —	14.1 21.5			_	
workers Highway maintenance workers Rail-track laying and		28.8 68.8		-		28.3 284.8
maintenance equipment operators Septic tank servicers and sewer	_	-	_	20.6	-	52.0
pipe cleaners Derrick operators, oil and gas Rotary drill operators, oil and	_ 16.0	21.7 26.5		-		_ 14.8
gas Service unit operators, oil, gas,	-	11.2	-	_	_	21.3
and mining Earth drillers, except oil and gas Continuous mining machine	_ 19.5	9.4 43.7	_ 26.1	_ 18.4	-	_ 22.8
operators Mine cutting and channeling	-	16.7	-	-	_	25.6
machine operators Roof bolters, mining	-	- 83.7	-	-	-	202.3
Roustabouts, oil and gas		7.1	4.1	_	_	14.4
Helpersextraction workers Installation, maintenance, and repair	_	44.6	10.5	-	-	14.6
occupations First-line supervisors/managers of mechanics, installers, and	30.7	27.4	14.0	18.9	(7)	36.8
repairers Computer, automated teller, and	8.6	13.6	3.9	7.4	-	9.4
office machine repairers	35.4 -	14.7 _	2.0	15.0 -		84.4
line installers	50.1	49.4	8.2	19.8	-	49.6

				Source	e of injury or i	llness ⁵	
Occupation	Occupation code ³	Private industry ⁴	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials
Avionics technicians	49-2091	48.0	_	_	_	_	_
Electric motor, power tool, and related repairers Electrical and electronics	49-2092	122.0	9.0	-	12.2	21.3	17.2
installers and repairers, transportation equipment	49-2093	163.3	_	_	_	_	_
Electrical and electronics repairers, commercial and	10 2000	100.0					
industrial equipment Electrical and electronics repairers, powerhouse,	49-2094	37.3	_	-	_	6.0	9.8
substation, and relay Electronic equipment installers	49-2095	36.1	_	-	_	-	-
and repairers, motor vehicles Electronic home entertainment equipment installers and	49-2096	81.1	-	-	_	9.5	-
repairers Security and fire alarm systems	49-2097	144.9	_	_	_	11.0	16.1
installers Aircraft mechanics and service	49-2098	231.3	_	35.3	_	-	16.4
technicians Automotive body and related	49-3011	223.8	14.7	5.9	9.2	7.6	41.9
repairers Automotive glass installers and repairers	49-3021	152.5	2.1	5.1	4.3	2.2	39.1
Automotive service technicians and mechanics	49-3022 49-3023	56.1 228.4	3.6	6.0	6.1	16.3	17.3 76.9
Bus and truck mechanics and diesel engine specialists	49-3031	215.4	2.3	4.9	2.7	6.9	69.6
Farm equipment mechanics Mobile heavy equipment	49-3041	172.9	_	-	_	20.3	29.6
mechanics, except engines	49-3042	317.3	4.6	8.4	5.8	27.5	61.1
Rail car repairers	49-3043	171.3	-	-	-	-	14.7
Motorboat mechanics Motorcycle mechanics Outdoor power equipment and	49-3051 49-3052	31.1 49.9	_				-
other small engine mechanics Recreational vehicle service	49-3053	81.2	-	-	_	39.1	8.5
technicians	49-3092	84.5	–		_	-	-
Tire repairers and changers Mechanical door repairers Control and valve installers and	49-3093 49-9011	335.8 42.0	15.7 -	1.9 -	3.2	23.8 -	154.2 _
repairers, except mechanical door Heating, air conditioning, and	49-9012	104.2	_	-	_	-	14.9
refrigeration mechanics and installers Home appliance repairers	49-9021 49-9031	228.1 138.2	4.6	18.3	.8	36.9 44.8	33.0 13.1

	Source of injury or illness ⁵									
Occupation	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶				
Avionics technicians	14.8	_	_	-	_	_				
Electric motor, power tool, and related repairers	29.8	-	11.7	_	_	-				
Electrical and electronics installers and repairers, transportation equipment	22.7	55.7	_	35.5	_	29.9				
Electrical and electronics repairers, commercial and										
industrial equipment Electrical and electronics repairers, powerhouse,	5.3	3.4	-	_	_	8.4				
substation, and relay Electronic equipment installers	-	17.9	-	-	_	-				
and repairers, motor vehicles Electronic home entertainment	-	9.6	_	-	_	47.8				
equipment installers and repairers Security and fire alarm systems	23.3	38.1	10.1	13.7	_	29.9				
installers Aircraft mechanics and service	16.6	29.8	42.2	19.0	_	62.7				
technicians Automotive body and related	46.5	40.6	10.6	18.4	-	28.4				
repairers Automotive glass installers and repairers	12.9 30.4	6.1	34.0	27.6	_	19.1				
Automotive service technicians and mechanics	25.9	18.8	18.2	20.9	_	35.7				
Bus and truck mechanics and diesel engine specialists	23.2	22.2	14.8	28.2	_	40.5				
Farm equipment mechanics Mobile heavy equipment	34.5	22.0	18.4	20.7	_	25.5				
mechanics, except engines Rail car repairers	57.5 9.7	50.1 29.5	26.7 10.6	40.4 20.6	-	35.2				
Motorboat mechanics Motorcycle mechanics			15.6 -	_ 25.8						
Outdoor power equipment and other small engine mechanics Recreational vehicle service	-	10.9	_	10.6	_	-				
technicians	-	-	-	-	-	24.1				
Tire repairers and changers Mechanical door repairers Control and valve installers and repairers, except mechanical	26.2 -	14.6	42.7	21.7 -	_	31.8 24.1				
door	27.7	20.4	10.1	13.2	_	10.7				
installers Home appliance repairers	39.7 13.2	31.9 18.8	7.2 11.2	15.2 14.8		40.6 17.6				

				Source	e of injury or i	llness ⁵	
Occupation	Occupation code ³	Private industry ⁴	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials
Industrial machinery mechanics Maintenance and repair workers,	49-9041	316.0	9.0	17.8	3.5	40.1	78.9
general	49-9042	220.3	3.2	26.9	9.8	28.3	29.2
machinery	49-9043	160.3	_	13.5	_	25.6	28.6
Millwrights		178.8	_	9.3	6.9	28.8	57.4
Electrical power-line installers							-
and repairers Telecommunications line	49-9051	210.9	2.0	4.8	1.6	7.4	33.9
installers and repairers	49-9052	189.7	-	4.8	-	5.0	15.6
equipment repairers	49-9061	139.4	-	-	-	-	-
Medical equipment repairers Coin, vending, and amusement machine servicers and	49-9062	137.5	-	29.1	-	-	45.7
	49-9091	111.4		14.6		11.0	6.4
repairers			_	14.0	_	11.0	-
Commercial divers		215.6	-	-	-	-	53.4
Locksmiths and safe repairers Manufactured building and		216.2	_	79.0	_	_	-
mobile home installers		450.1	-	-	-	-	-
Riggers	49-9096	231.7	-	-	-	17.1	80.5
Signal and track switch repairers Helpersinstallation, maintenance, and repair	49-9097	149.4	_	_	_	_	-
workers	49-9098	124.6	-	9.6	5.8	5.9	20.9
Production occupations First-line supervisors/managers of production and operating	51-0000	188.7	4.4	20.7	5.2	26.8	33.3
workers Aircraft structure, surfaces, rigging, and systems	51-1011	84.6	2.1	11.9	2.1	11.4	11.1
assemblers Coil winders, tapers, and	51-2011	396.1	-	7.5	-	-	53.9
finishers Electrical and electronic	51-2021	101.7	-	16.3	-	9.5	13.0
equipment assemblers	51-2022	100.1	4.6	9.0	3.1	4.9	11.1
assemblers Engine and other machine	51-2023	58.9	_	5.2	-	10.2	9.8
assemblers Structural metal fabricators and	51-2031	296.4	-	23.7	5.2	19.1	60.4
fitters Fiberglass laminators and	51-2041	19.3	-	_	_	7.4	4.4
fabricators	51-2091	99.0	-	_	_	8.0	20.8
Team assemblers	51-2092	3.3	-	.2	_	-	.7
Timing device assemblers,	E1 0000	255.0					110.4
adjusters, and calibrators Bakers		355.6 136.3	2.2	_ 29.5	_ 2.1	9.9	110.1 _

			Source of inju	ury or illness ⁵		
Occupation	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶
Industrial machinery mechanics	40.9	42.2	23.0	16.5	_	43.9
Maintenance and repair workers, general	34.0	24.6	12.9	17.3		34.0
Maintenance workers,	34.0	24.0	12.9	17.5	-	54.0
machinery	23.0	24.2	9.4	19.5	-	14.1
Millwrights Electrical power-line installers	21.4	15.4	10.0	4.9	-	22.2
and repairers	39.2	32.7	15.6	17.9	-	55.8
Telecommunications line installers and repairers	36.3	43.9	8.2	16.5	_	58.0
Camera and photographic equipment repairers	_	_	_	_	_	_
Medical equipment repairers Coin, vending, and amusement	_	_	_	_	-	48.0
machine servicers and repairers	17.5	30.3		11.4		17.3
Commercial divers	C.11	30.3	_	11.4	_	141.9
Locksmiths and safe repairers	_ 43.1	_	_		_	-
Manufactured building and						
mobile home installers	220.6	-	220.2	-	-	-
Riggers	17.3	53.5	-	15.9	-	25.9
Signal and track switch repairers Helpersinstallation, maintenance, and repair	-	_	_	-	-	64.9
workers	24.5	15.7	3.1	16.4	_	21.8
Production occupations First-line supervisors/managers of production and operating	32.3	20.2	12.1	7.5	(7)	26.2
Aircraft structure, surfaces, rigging, and systems	12.6	12.9	2.7	4.5	-	13.3
assemblers Coil winders, tapers, and	161.7	39.7	56.6	39.6	-	25.6
finishers Electrical and electronic	12.2	7.8	13.7	-	-	27.3
equipment assemblers Electromechanical equipment	29.9	15.3	4.6	1.7	-	15.9
assemblers Engine and other machine	13.5	9.5	-	-	-	4.5
assemblers Structural metal fabricators and	105.4	24.0	25.9	9.7	_	22.2
fitters	-	-	-	-	-	2.3
Fiberglass laminators and fabricators	19.4	18.4	6.1	8.1	_	11.9
Team assemblers Timing device assemblers,	1.0	.5	.3	-	_	.2
adjusters, and calibrators	_	_	_	_	_	_
Bakers	16.7	15.2	2.3	3.5	_	54.1

				Source	e of injury or i	llness ⁵	
Occupation	Occupation code ³	Private industry ⁴	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materia
Butchers and meat cutters Meat, poultry, and fish cutters	51-3021	293.7	_	63.8	3.3	78.6	2.
and trimmers	51-3022	110.0	-	12.0	_	14.7	3.1
Slaughterers and meat packers Food and tobacco roasting, baking, and drying machine	51-3023	43.0	-	3.3	-	10.1	2.:
operators and tenders	51-3091	181.6	_	40.8	_	40.8	10.9
Food batchmakers Food cooking machine operators	51-3092	121.5	_	31.6	4.9	18.7	4.
and tenders Computer-controlled machine tool operators, metal and	51-3093	88.3	_	10.1	-	9.8	8.0
plastic Numerical tool and process	51-4011	35.5	_	2.1	1.9	7.7	8.
control programmers Extruding and drawing machine setters, operators, and tenders,	51-4012	9.1	_	_	-	_	_
Forging machine setters, operators, and tenders, metal	51-4021	72.2	3.4	9.4	-	13.9	11.:
Rolling machine setters, operators, and tenders, metal	51-4022	191.4	_	9.8	-	25.2	63.
and plastic Cutting, punching, and press machine setters, operators, and	51-4023	173.9	_	26.4	12.2	36.9	38.
tenders, metal and plastic Drilling and boring machine tool setters, operators, and tenders,	51-4031	143.6	1.4	11.8	2.7	34.1	38.
Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal	51-4032	58.7	_	_	-	18.5	14.
and plastic Lathe and turning machine tool setters, operators, and tenders,	51-4033	248.9	2.8	11.9	3.0	45.9	52.
Milling and planing machine setters, operators, and tenders,	51-4034	101.5	_	10.8	_	35.2	16.
Machinists Metal-refining furnace operators	51-4035 51-4041	87.1 168.0	_ 5.3	- 8.2	- 4.3	23.5 28.7	27. 56.
and tenders	51-4051	443.1	-	56.2	_	62.7	121.
Pourers and casters, metal	51-4052	414.7	-	17.1	_	_	136.
Model makers, metal and plastic	51-4061	43.1	_	-	-	-	-
Patternmakers, metal and plastic	51-4062	25.9	-	-	-	-	-
Foundry mold and coremakers	51-4071	179.1	-	12.5	-	24.3	56.

	Source of injury or illness ⁵									
Occupation	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources				
Butchers and meat cutters Meat, poultry, and fish cutters	45.2	22.1	45.7	3.7	_	28.2				
and trimmers	27.1	17.2	14.3	3.3	-	16.0				
Slaughterers and meat packers Food and tobacco roasting, baking, and drying machine	6.6	4.0	5.5	-	_	10.4				
operators and tenders	23.6	22.3	_	_	_	18.				
Food batchmakers	23.9	19.3	_	2.2	_	13.				
Food cooking machine operators and tenders	19.4	12.0		_	_	16.				
Computer-controlled machine tool operators, metal and	-									
plastic Numerical tool and process	4.5	3.4	-	-	-	4.				
control programmers Extruding and drawing machine setters, operators, and tenders,	-	_	-	-	-	-				
metal and plastic Forging machine setters, operators, and tenders, metal	6.0	8.3	7.8	-	_	11.				
and plastic Rolling machine setters, operators, and tenders, metal	36.1	14.3	13.1	-	-	25.				
and plastic Cutting, punching, and press machine setters, operators, and	21.9	6.9	10.6	5.9	-	11.				
tenders, metal and plastic Drilling and boring machine tool setters, operators, and tenders,	20.6	10.1	6.5	2.9	_	14.				
Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal	8.4	_	6.6	-	_	6.				
and plastic	34.6	17.8	15.1	3.0	-	62.				
Milling and planing machine setters, operators, and tenders,	12.0	9.7	6.8	-	_	8.				
metal and plastic	13.5	_	6.9	_						
Machinists	18.4	9.2	10.6	- 1.0		25.				
Metal-refining furnace operators and tenders	48.0	49.0	18.5	33.5	_	38.				
Pourers and casters, metal	107.8	27.5	48.5	15.4	_	44.				
Model makers, metal and plastic		21.5	40.0	10.4		44.				
	_		_	_		-				
Patternmakers, metal and plastic		-	45.0	_	-					
Foundry mold and coremakers	32.5	-	15.2	_	-	26.9				

				Source	e of injury or i	llness ⁵	
Occupation	Occupation code ³	Private industry ⁴	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materia
Molding, coremaking, and							
casting machine setters,							
operators, and tenders, metal							
and plastic	51-4072	98.8	3.0	8.9	1.4	12.2	26.
Multiple machine tool setters,							
operators, and tenders, metal							
and plastic	51-4081	57.3		5.3	_	4.4	9.
Tool and die makers	51-4111	90.6		2.7	_	23.1	17.
Welders, cutters, solderers, and							
brazers	51-4121	362.5	3.0	18.8	6.5	31.3	106.
Welding, soldering, and brazing							
machine setters, operators, and							
tenders	51-4122	92.8	-	3.6	-	14.1	37.2
Heat treating equipment setters,							
operators, and tenders, metal							
and plastic	51-4191	73.7	-	11.0	-	-	18.
Lay-out workers, metal and							
plastic	51-4192	438.9	-	-	-	-	108.
Plating and coating machine							
setters, operators, and tenders,	54.4400	100.0	100	40.0	10.0		
metal and plastic	51-4193	129.2	16.9	16.0	12.6	8.5	28.
Tool grinders, filers, and	E4 4404	20.0				40.0	
sharpeners	51-4194	36.6 148.8	-	 29.3	_	12.3 28.4	- 3.
Bindery workers	51-5011 51-5012	244.2	-	29.3	_	32.3	3. 59.
Bookbinders	51-5012	42.5	_	11.9	_	11.5	59.
Prepress technicians and	51-5021	42.5	_	11.9	_	11.5	_
workers	51-5022	92.7	_	12.9	_	20.0	7.
Printing machine operators	51-5023	204.5	5.4	26.1	1.9	77.5	15.
Laundry and dry-cleaning	01 0020	201.0	0.1	20.1	1.0		10.
workers	51-6011	214.8	26.8	20.5	8.3	17.2	7.
Pressers, textile, garment, and		•					
related materials	51-6021	73.2	-	3.8	3.2	18.3	_
Sewing machine operators	51-6031	90.8	.9	11.1	2.9	17.5	4.
Shoe machine operators and							
tenders	51-6042	123.6	-	-	-	-	-
Sewers, hand	51-6051	34.8	-	-	-	-	-
Tailors, dressmakers, and							
custom sewers	51-6052	64.8	-	9.1	-	19.6	-
Textile bleaching and dyeing							
machine operators and tenders	51-6061	43.0	-	10.1	-	-	-
Textile cutting machine setters,							
operators, and tenders	51-6062	48.4		-	-	10.5	-
Textile knitting and weaving							
machine setters, operators, and	54 0000	cc 7					
tenders	51-6063	39.7		9.1	-	7.2	-

	Source of injury or illness ⁵									
Occupation	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources				
Molding, coremaking, and										
casting machine setters,										
operators, and tenders, metal										
and plastic	17.2	11.1	3.5	3.8	_	11.1				
Multiple machine tool setters,										
operators, and tenders, metal										
and plastic	10.2	5.7	2.2	1.6	-	17.5				
Tool and die makers	15.0	3.6	10.6	2.6	_	13.8				
Welders, cutters, solderers, and										
brazers	43.3	31.6	51.0	10.5	_	59.5				
Welding, soldering, and brazing										
machine setters, operators, and										
tenders	11.1	4.9	5.3	3.2	-	11.1				
Heat treating equipment setters,										
operators, and tenders, metal										
and plastic	8.7	11.9	_	_	_	12.0				
Lay-out workers, metal and										
plastic	59.5	146.9	33.8	_	_	76.1				
Plating and coating machine										
setters, operators, and tenders,										
metal and plastic	14.3	8.1	-	6.7	-	15.9				
Tool grinders, filers, and										
sharpeners	-	-	-	-	-	-				
Bindery workers	52.7	10.7	4.2	-	-	16.2				
Bookbinders	91.8	-	29.2	-	-	–				
Job printers	9.8	-	-	3.9	-	-				
Prepress technicians and										
workers	26.4	8.0	-	4.9	-	10.7				
Printing machine operators	30.6	15.9	5.1	4.5	-	22.4				
Laundry and dry-cleaning										
workers	32.9	23.0	-	28.6	-	49.5				
Pressers, textile, garment, and										
related materials	17.0	3.2	-	-	-	25.8				
Sewing machine operators	27.5	10.0	4.0	1.6	-	11.2				
Shoe machine operators and										
tenders	-	-	-	-	-	-				
Sewers, hand	-			-	-	-				
Tailors, dressmakers, and										
custom sewers	7.4	12.6	-	-	-	8.0				
Textile bleaching and dyeing										
machine operators and tenders	_	-	-	-		-				
Textile cutting machine setters,	40 5									
operators, and tenders	13.5	-	-	-		-				
Textile knitting and weaving										
machine setters, operators, and	E Q	6.9								
tenders	5.8	0.9	-	-	-					

				Source	e of injury or i	llness ⁵	
Occupation	Occupation code ³	Private industry ⁴	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials
Textile winding, twisting, and							
drawing out machine setters,							
operators, and tenders Extruding and forming machine	51-6064	52.9	-	6.6	-	18.3	-
setters, operators, and tenders,							
synthetic and glass fibers	51-6091	105.3	-	30.6	_	29.5	-
Upholsterers	51-6093	81.2	-	-	18.4	-	10.3
Cabinetmakers and bench	54 7044	00 4					
carpenters	51-7011	99.1	-	-	15.1	33.9	15.7
Furniture finishers Model makers, wood		69.2 142.0	-	-	_	_	-
Sawing machine setters,	51-7031	142.0	_	_	_	_	-
operators, and tenders, wood	51-7041	278.2	_	10.4	2.9	76.0	78.9
Woodworking machine setters,							
operators, and tenders, except							
sawing	51-7042	119.4	-	5.7	4.3	21.2	34.1
Power distributors and	54 0040	00.0					
dispatchers Power plant operators	51-8012 51-8013	29.9 57.4	-	_	_	_	7.4
Stationary engineers and boiler	51-6015	57.4	_	_	_	_	7.4
operators	51-8021	184.0	6.1	10.4	_	14.0	19.5
Water and liquid waste treatment			_	_			
plant and system operators	51-8031	125.7	-	-	-	15.2	15.6
Chemical plant and system							
operators		17.0	10.1	-	-	-	-
Gas plant operators Petroleum pump system operators, refinery operators,	51-8092	29.5	_	_	_	_	_
and gaugers	51-8093	14.3	_	3.6	_	_	_
Chemical equipment operators	0.0000			0.0			
and tenders	51-9011	44.0	4.2	12.7	-	-	5.2
Separating, filtering, clarifying,							
precipitating, and still machine	54 0040	70.0		40.0			
setters, operators, and tenders	51-9012	76.0	7.7	12.9	-	14.0	8.7
Crushing, grinding, and polishing machine setters, operators, and							
tenders		383.3	5.3	54.3	_	58.6	45.2
Grinding and polishing workers,	01 0021	000.0	0.0	01.0		00.0	10.2
hand	51-9022	67.1	-	_	-	6.9	11.5
Mixing and blending machine							
setters, operators, and tenders	51-9023	79.2	7.8	16.1	-	10.4	10.7
Cutters and trimmers, hand	51-9031	123.9	-	24.3	-	9.7	15.8
Cutting and slicing machine setters, operators, and tenders	51-9032	316.5	2.4	26.5	3.8	69.4	97.0
Extruding, forming, pressing,	51-9032	510.5	2.4	20.5	5.0	09.4	97.0
and compacting machine							
setters, operators, and tenders	51-9041	177.4	2.7	15.3	2.5	46.2	34.8

			Source of inju	ury or illness ⁵		
Occupation	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶
Textile winding, twisting, and						
drawing out machine setters, operators, and tenders Extruding and forming machine	11.1	6.4	_	_	_	-
setters, operators, and tenders,						
synthetic and glass fibers	15.7	_	16.0	_	_	-
Upholsterers	24.7	7.2	-	-	-	8.9
Cabinetmakers and bench						
carpenters	8.6	4.7	3.8	5.2	-	9.6
Furniture finishers	25.4	11.0	-	8.2	-	-
Model makers, wood Sawing machine setters,	-	_	-	_	-	-
operators, and tenders, wood	22.8	28.4	19.2	6.8	_	32.1
Woodworking machine setters,	22.0	20.4	10.2	0.0		02.1
operators, and tenders, except						
sawing	16.4	6.8	8.6	3.6	_	18.1
Power distributors and						
dispatchers	-	-	-	-	-	-
Power plant operators	6.7	16.4	-	-	-	17.9
Stationary engineers and boiler	10.0					
operators	43.2	37.2	13.2	-	-	31.2
Water and liquid waste treatment plant and system operators	36.5	10.2		15.6		18.6
Chemical plant and system	30.5	10.2	_	15.0	_	10.0
operators	_	_	_	_	_	_
Gas plant operators	_	_	_	_	_	_
Petroleum pump system						
operators, refinery operators,						
and gaugers	-	-	-	-	-	-
Chemical equipment operators						
and tenders	6.2	6.7	3.9	-	-	3.6
Separating, filtering, clarifying, precipitating, and still machine						
setters, operators, and tenders	10.5	7.4	_	_	_	8.9
Crushing, grinding, and polishing	10.5	7.4	_	_	_	0.9
machine setters, operators, and						
tenders	33.2	48.0	46.4	8.9	_	81.8
Grinding and polishing workers,						
hand	16.5	3.6	7.8	-	-	17.9
Mixing and blending machine						
setters, operators, and tenders	11.4	8.0	2.7	2.8	-	8.6
Cutters and trimmers, hand Cutting and slicing machine	17.2	11.4	25.6	-	-	17.7
setters, operators, and tenders	28.6	17.3	19.8	11.5	_	40.4
Extruding, forming, pressing,	20.0	17.5	13.0	11.5	_	40.4
and compacting machine						
setters, operators, and tenders	26.9	27.0	6.1	3.0	_	12.7

			Source of injury or illness ⁵					
Occupation	Occupation code ³	Private industry ⁴	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials	
Furnace, kiln, oven, drier, and								
kettle operators and tenders Inspectors, testers, sorters,	51-9051	223.2	23.4	13.9	-	14.4	77.8	
samplers, and weighers	51-9061	156.8	2.9	22.7	5.0	7.8	18.1	
metal workers	51-9071	33.9	_	_	_	_	_	
Dental laboratory technicians	51-9081	42.3	_	_	_	_	_	
Medical appliance technicians Ophthalmic laboratory	51-9082	79.7	-	-	-	-	-	
technicians Packaging and filling machine	51-9083	20.5	-	7.1	-	-	_	
operators and tenders Coating, painting, and spraying machine setters, operators, and	51-9111	145.3	3.6	26.8	5.9	24.1	7.2	
tenders Painters, transportation	51-9121	136.5	5.4	10.0	4.9	17.6	17.6	
equipment Painting, coating, and decorating	51-9122	82.0	-	-	-	-	4.2	
workers Photographic process workers Photographic processing	51-9123 51-9131	491.2 240.7	20.5 —	27.7 76.6	12.8 -	18.6 -	117.9 _	
machine operators	51-9132	9.5	_	_	_	_	_	
Semiconductor processors Cementing and gluing machine	51-9141	16.4	-	-	-	-	-	
operators and tenders Cleaning, washing, and metal pickling equipment operators	51-9191	158.6	_	11.8	-	76.5	19.6	
and tenders Cooling and freezing equipment	51-9192	163.7	-	23.1	-	21.9	32.0	
operators and tenders	51-9193	100.2	-	41.0	_	-	-	
Etchers and engravers Molders, shapers, and casters,	51-9194	84.0	-	-	-	15.7	-	
except metal and plastic	51-9195	184.0	4.4	7.7	4.5	18.4	67.1	
operators, and tenders	51-9196	43.7	-	8.2	_	11.4	2.9	
Tire builders	51-9197	148.9	-	20.5	7.8	20.5	54.2	
Helpersproduction workers Transportation and material moving	51-9198	72.8	.6	7.5	3.1	10.8	16.5	
occupations	53-0000	301.3	3.5	59.4	9.9	12.8	31.8	
First-line supervisors/managers of helpers, laborers, and	53-1011	517.9	-	200.9	-	_	-	
First-line supervisors/managers of transportation and material-moving machine and	53-1021	182.9	.9	36.8	4.0	10.3	9.8	
vehicle operators	53-1031	77.9	-	13.9	1.1	1.8	6.4	

	Source of injury or illness ⁵							
Occupation	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶		
Furnace, kiln, oven, drier, and								
kettle operators and tenders Inspectors, testers, sorters,	35.5	19.7	8.1	6.1	-	22.9		
samplers, and weighers	28.9	24.4	6.1	20.1	-	20.9		
metal workers	22.0	-	-	-	-	-		
Dental laboratory technicians	-	4.6	_	_	-	34.0		
Medical appliance technicians Ophthalmic laboratory	-	_	_	_	-	24.1		
technicians Packaging and filling machine	-	6.7	_	_	-	_		
operators and tenders Coating, painting, and spraying machine setters, operators, and	28.4	24.9	4.4	4.7	-	15.3		
tenders Painters, transportation	24.3	10.2	2.5	2.9	-	41.1		
equipment Painting, coating, and decorating	24.1	18.0	5.3	5.1	-	21.1		
workers	93.7	66.4	17.9	62.0	_	53.9		
Photographic process workers Photographic processing	19.0	95.1	-	-	-	30.0		
machine operators	5.1	_	_	_	_	_		
Semiconductor processors Cementing and gluing machine	-	-	-	-	-	5.0		
operators and tenders Cleaning, washing, and metal pickling equipment operators	20.7	-	-	-	-	12.0		
and tenders	22.8	23.1	_	_	-	21.4		
operators and tenders	-	16.1	_	_	_	19.8		
Etchers and engravers Molders, shapers, and casters,	16.7	17.8	-	-	-	-		
except metal and plastic Paper goods machine setters,	16.2	13.0	14.1	-	-	38.1		
operators, and tenders	9.5	5.4	-	-	-	3.5		
Tire builders	28.1	-	-	-	-	8.2		
Helpersproduction workers Transportation and material moving	12.4	5.5	4.5	2.5	_	9.4		
occupations	38.2	50.0	7.2	57.2	0.4	30.9		
supervisors First-line supervisors/managers of helpers, laborers, and	-	73.5	_	55.4	-	_		
First-line supervisors/managers of transportation and material-moving machine and	30.5	20.1	2.9	13.7	-	53.7		
vehicle operators	15.6	18.5	_	7.9	_	12.0		

				Source	e of injury or i	llness ⁵	
Occupation	Occupation code ³	Private industry ⁴	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and material
Airline pilots, copilots, and flight							
engineers	53-2011	118.2	-	63.0	_	-	-
Commercial pilots	53-2012	93.8	-	23.3	-	-	-
Airfield operations specialists Ambulance drivers and	53-2022	180.7	-	-	-	-	-
attendants, except emergency	50.0044	50.4					
medical technicians	53-3011	58.1	-	-	-	-	-
Bus drivers, transit and intercity	53-3021	410.8	3.3	27.4	-	-	-
Bus drivers, school	53-3022	79.7	-	-	-		
Driver/sales workers	53-3031	249.2	-	60.8	9.0	3.7	8.1
Truck drivers, heavy and	50,0000	444.4	47	40.0	F 7	0.0	40.4
tractor-trailer	53-3032	411.4	4.7	49.6	5.7	9.3	46.4
Truck drivers, light or delivery	50,0000	000 7		00.7	20.0		10.0
services	53-3033	296.7	4.4	60.7	20.9	6.2	16.0
Taxi drivers and chauffeurs	53-3041	282.0	1.7	33.5	1.3	4.4	6.2
Locomotive engineers	53-4011	114.9	-	-	-	-	-
Rail yard engineers, dinkey	50 4040	100.0					
operators, and hostlers	53-4013	160.2	-	-	-	-	-
Railroad brake, signal, and	50 4004	4 4 0 0					10.0
switch operators	53-4021	142.2	-	-	_	-	10.6
Railroad conductors and	E2 4024	262.0		4.5			10-
yardmasters	53-4031	262.0	10.5	4.5	_	-	18.7
Sailors and marine oilers	53-5011	237.7	10.5	4.6	_	5.3	85.2
Captains, mates, and pilots of	E2 E021	77.0					22.0
water vessels	53-5021	77.9 45.7	_	-	_	-	23.9
Ship engineers	53-5031	-	-	5.1	_		-
Parking lot attendants	53-6021	90.8		-	_	1.8	5.0
Service station attendants	53-6031	70.5	7.5	3.7	-	2.4	7.0
Transportation inspectors	53-6051	44.6	-		-	-	
Conveyor operators and tenders	53-7011	65.8	3.0	11.9	-	10.3	5.5
Crane and tower operators	53-7021	202.7	-	22.3	-	19.5	49.0
Excavating and loading machine	50 7000	00 F	0.7	25		47.0	
and dragline operators	53-7032	89.5	3.7	3.5	-	17.9	9.6
Hoist and winch operators	53-7041	481.8	-	-	-	70.3	86.0
Industrial truck and tractor	50 7054	110.0	-	47.0		47	
operators	53-7051	110.8	.7	17.9	2.9	4.7	11.9
Cleaners of vehicles and	E2 7064	172.0		17.0	25	0.0	450
equipment	53-7061	173.8	8.2	17.3	2.5	9.2	15.2
Laborers and freight, stock, and	E0 7000	405.0		4474	04.0	00.0	
material movers, hand	53-7062	465.8	5.5	117.1	21.8	29.8	62.4
Machine feeders and offbearers	53-7063	189.1	4.1	30.1	2.7	26.1	60.3
Packers and packagers, hand	53-7064	93.1	.8	24.2	3.0	10.3	8.6
Gas compressor and gas	F0 7074	70.0					
pumping station operators	53-7071	78.2		-	-	-	-
Pump operators, except	50 7070	FA A					
wellhead pumpers	53-7072	53.8	-	-	-	-	-
Wellhead pumpers	53-7073	126.0		-	-	-	-

	Source of injury or illness ⁵								
Occupation	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources			
Airline pilots, copilots, and flight									
engineers	20.1	10.1	_	5.8	_	18.5			
Commercial pilots	16.5	10.0	_	20.6	_	16.8			
Airfield operations specialists Ambulance drivers and	_	_	-	_	_	-			
attendants, except emergency									
medical technicians	-	-	-	26.6	15.7	11.2			
Bus drivers, transit and intercity	53.8	57.0	-	193.5	7.5	65.3			
Bus drivers, school	11.3	17.9	-	38.3	-	9.5			
Driver/sales workers	31.0	47.7	0.6	68.9	-	19.3			
Truck drivers, heavy and									
tractor-trailer Truck drivers, light or delivery	53.3	91.7	6.2	114.6	-	30.0			
services	43.4	54.0	4.7	62.6	_	23.9			
Taxi drivers and chauffeurs	28.5	55.7	-	104.7	17.4	28.3			
Locomotive engineers	-	14.3	-	35.7	-	59.5			
Rail yard engineers, dinkey		_							
operators, and hostlers	_	_	_	37.2	_	89.9			
Railroad brake, signal, and				0=					
switch operators	_	21.4	_	30.5	_	71.6			
Railroad conductors and				00.0					
vardmasters	_	44.9	_	49.0	_	142.2			
Sailors and marine oilers	16.7	30.6	_	44.0	_	37.9			
Captains, mates, and pilots of	10.7	50.0		0		07.0			
water vessels	8.5	7.8	_	18.0	_	12.2			
Ship engineers		17.4	_	- 10.0	_				
Parking lot attendants	12.4	14.8	_	23.9	_	25.9			
Service station attendants	3.0	24.9	_	8.0	_	13.0			
Transportation inspectors	5.0	24.9	_	0.0	_	13.0			
	_ 5.4	10.7	_	3.4	_	13.3			
Conveyor operators and tenders	-	35.6	-	-	-	13.3			
Crane and tower operators	44.4	35.0	-	13.8	-	12.1			
Excavating and loading machine	0.0	0.0	2.0	<u> </u>		07			
and dragline operators	9.0	9.2	3.2	6.0	-	27.4			
Hoist and winch operators	-	128.8	-	60.5	-	77.6			
Industrial truck and tractor	40.0			<u> </u>					
operators	12.3	16.6	.9	30.2	-	12.6			
Cleaners of vehicles and									
equipment	27.6	31.8	10.5	26.5	-	25.1			
Laborers and freight, stock, and									
material movers, hand	52.8	59.2	17.8	49.4	-	50.1			
Machine feeders and offbearers	20.8	12.9	5.0	3.2	-	23.9			
Packers and packagers, hand	18.7	10.7	2.7	4.6	-	9.5			
Gas compressor and gas									
pumping station operators	-	-	51.6	-	-	-			
Pump operators, except									
wellhead pumpers	-	-		-	-				
Wellhead pumpers	22.3	-	29.2	13.5	_	16.4			

			Source of injury or illness ⁵				
Occupation	Occupation code ³	Private industry ⁴	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials
Refuse and recyclable material collectors Shuttle car operators Tank car, truck, and ship loaders	53-7081 53-7111 53-7121	218.2 674.1 44.0	- 79.5 -	46.3 - 13.8	3.0 _ _	3.1 _ _	11.7 96.8 -

	Source of injury or illness ⁵							
Occupation	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶		
Refuse and recyclable material collectors Shuttle car operators Tank car, truck, and ship loaders	21.4 _ _	27.1 149.2 -	2.2 _ _	67.0 162.1 -	- - -	36.2 86.5 –		

¹ Incidence rates represent the number of injuries and illnesses per 10,000 full-time workers and were calculated as: (N/EH) x 20,000,000 where

= number of injuries and illnesses Ν

EΗ = total hours worked by all employees

during the calendar year 20,000,000 = base for 10,000 equivalent full-time workers

(working 40 hours per week, 50 weeks per year)

² Days-away-from-work cases include those that resulted in days away from work, some of which also included job transfer or restriction.

Standard Occupational Classification Manual, 2000, Office of Management and Budget

⁴ Excludes farms with fewer than 11 employees.
⁵ Data shown in columns correspond to the following Source codes:

Chemicals and chemical products = 00-09; Containers = 10-19; Furniture and fixtures = 20-29; Machinery = 30-39; Parts and materials = 40-49; Worker motion or position = 562; Floors, walkways or ground surfaces = 62; Handtools = 71-73; Vehicles = 80-89; Health care patient = 573; All other sources = all remaining codes, including 9999 (Nonclassifiable). These codes are based on the 1992 Occupational Injury and Illness Classification System developed by the Bureau of Labor Statistics.

⁶ Includes nonclassifiable responses.

⁷ Data too small to be displayed.

NOTE: Dash indicates data do not meet publication guidelines. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

SOURCE: Bureau of Labor Statistics, U.S. Department of Labor, Survey of Occupational Injuries and Illnesses in cooperation with participating State agencies