				Sour	ce of injury or	illness ⁵	
Industry ³	NAICS code ⁴	Total cases	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials
Private industry [1,234,680							
cases] ⁷		135.7	2.0	16.7	5.1	8.8	14.1
Goods producing ⁷		176.9	3.3	14.9	4.2	17.7	34.5
Natural resources and mining ^{7,9}		184.5	7.4	13.0	2.1	18.9	21.8
Agriculture, forestry, fishing and							
hunting ⁷	11	210.8	5.6	17.5	3.4	18.5	18.9
Crop production ⁷	111	188.2	7.9	16.0	4.5	16.8	16.7
Vegetable and melon farming ⁷	1112	188.2	4.3	11.9	_	29.8	33.0
Fruit and tree nut farming ⁷	1113	_	2.7	19.1	_	25.9	16.8
Greenhouse, nursery, and floriculture				-			
production ⁷	1114	156.6	1.6	19.8	6.0	5.1	7.6
Other crop farming ⁷	1119	110.1	9.5	6.0	-	12.4	19.0
Animal production ⁷	112	265.1	7.3	21.9	-	13.6	15.7
Cattle ranching and farming ⁷	1121	241.6	5.7	8.9	-	7.5	15.1
Beef cattle ranching and farming,							
including feedlots ⁷	11211	286.1	-	25.1	-	6.8	-
Dairy cattle and milk production ⁷	11212	222.0	-	-	-	7.8	19.2
Hog and pig farming ⁷	1122	360.0	16.6	29.2	-	24.2	15.9
Poultry and egg production ⁷	1123	267.6	8.1	41.2	-	23.0	15.5
Other animal production ⁷	1129	287.6	-	40.4	-	15.6	23.5
Forestry and logging	113	280.5	-	-	-	24.6	51.6
Logging	1133	287.1	-	-	-	26.7	56.0
Fishing, hunting and trapping	114	233.0	-	-	-	-	-
Support activities for agriculture and							
forestry	115	194.6	2.0	21.3	2.7	23.7	16.7
Support activities for crop production	1151	193.7	2.1	23.9	2.5	27.1	15.4
Support activities for crop production	11511	193.7	2.1	23.9	2.5	27.1	15.4
Cotton ginning	115111	243.3	-	65.0	-	101.5	-
Soil preparation, planting, and		400.0					10.1
cultivating	115112	129.9	-	-	-	-	46.1
Postharvest crop activities (except		470.4		05.0	7.0	00.0	40.4
cotton ginning)	115114	178.1	3.9	35.9	7.9	23.6	10.4
Farm labor contractors and crew leaders	115115	176.1		11.3		5.6	10.6
Farm management services	115115	238.0		39.9	-	5.0	27.4
Support activities for animal production	1152	162.8	_	7.0	_		<u>۲۱،4</u>
Support activities for forestry	1152	273.0	-	- 7.0	-	_	
Mining ⁹	21	146.2	10.1	6.4	_	19.4	25.9
Oil and gas extraction	211	85.3	_	2.0	_	7.9	20.3
Oil and gas extraction	2111	85.3	_	2.0	_	7.9	20.3
Oil and gas extraction	21111	85.3	_	2.0	_	7.9	20.3
				2.0			

			Source of injur	y or illness ⁵		
Industry ³	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶
Private industry [1,234,680						
cases] ⁷	20.0	25.8	6.3	12.1	6.0	18.8
Goods producing ⁷	27.4	27.5	12.1	10.1	(8)	25.2
Natural resources and mining ^{7,9}	19.1	32.2	10.4	17.6	-	42.0
Agriculture, forestry, fishing and						
hunting ⁷	27.5	39.0	11.7	20.2	-	48.4
Crop production ⁷	29.8	33.7	9.1	21.4	_	32.4
Vegetable and melon farming ⁷	23.5	26.3	15.2	13.6	_	19.1
Fruit and tree nut farming ⁷	43.9	49.7	11.5	26.6	_	60.9
Greenhouse, nursery, and floriculture				_0.0		00.0
production ⁷	28.8	32.9	5.4	26.1	_	23.3
Other crop farming ⁷	13.7	15.0	4.7	11.1	_	18.7
Animal production ⁷	30.3	45.3	5.3	18.3	_	106.7
Cattle ranching and farming ⁷	23.2	45.1	-	9.8	_	123.4
Beef cattle ranching and farming,	20.2	-0.1		0.0		120.4
including feedlots ⁷	16.6	64.9	_	22.2	_	127.4
Dairy cattle and milk production ⁷	26.1	36.4	_		_	121.7
Hog and pig farming ⁷	17.0	23.3	21.2	14.6	_	198.1
Poultry and egg production ⁷	47.2	55.5	4.5	39.8	_	31.4
Other animal production ⁷	34.5	58.3	4.5	- 55.0		87.1
Forestry and logging	22.2	68.5	17.3	17.0		71.6
Logging	18.4	62.8	17.3	18.4	_	77.6
Fishing, hunting and trapping	65.2	48.1	10.0	- 10.4	_	26.5
	05.2	40.1	_	_	_	20.5
Support activities for agriculture and forestry	22.0	36.0	19.0	18.9		32.3
, , , , , , , , , , , , , , , , , , ,	22.0	33.5	19.0	20.6	-	26.9
Support activities for crop production	22.3	33.5	19.3	20.6	_	26.9
Support activities for crop production Cotton ginning		- 33.5	19.5	20.0	_	20.9
	-	_	_	_	_	_
Soil preparation, planting, and	12.5	11.2		36.1		21.7
cultivating Postharvest crop activities (except	12.5	11.2	_	30.1	_	21.7
	20.0	25.0	17 5	24.0		0.0
cotton ginning) Farm labor contractors and crew	20.8	25.0	17.5	24.0	_	9.2
leaders	32.0	36.7	18.8	19.8	_	40.0
Farm management services	52.0	79.8	26.3	19.0		32.8
Support activities for animal production	_ 11.9	51.5	20.5	10.2		72.9
Support activities for forestry	36.6	52.0	46.9	16.1	_	55.4
Mining ⁹	7.0	22.2	8.5	13.8	-	32.6
Oil and gas extraction	13.9	13.2	6.1	13.3	-	7.9
Oil and gas extraction	13.9	13.2	6.1	13.3	-	7.9
Oil and gas extraction	13.9	13.2	6.1	13.3	-	7.9
5						

				Source	ce of injury or	illness ⁵	
Industry ³	NAICS code ⁴	Total cases	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials
Crude petroleum and natural gas							
extraction	211111	87.1	_	2.1	_	8.2	20.8
lining (except oil and gas) ¹⁰	212	201.9	22.8	9.0	_	27.6	20.0
Coal mining ¹⁰	2121	320.5	57.7	12.0	_	43.8	44.2
Coal mining ¹⁰	21211	320.5	57.7	12.0	_	43.8	44.2
Bituminous coal and lignite surface	21211	520.5	01.1	12.0		+0.0	77.2
mining ¹⁰	212111	143.5	10.8	6.0	_	27.2	6.9
Bituminous coal underground	212111	140.0	10.0	0.0		21.2	0.0
mining ¹⁰	212112	486.7	102.7	17.9	_	59.0	79.5
Anthracite mining ¹⁰	212112	307.2	102.1	17.3	_	55.0	19.5
Anthracite mining ¹⁰ Metal ore mining ¹⁰	212113	112.2	_	7.3	-	11.8	_ 7.6
Iron ore mining ¹⁰	2122	104.2		7.5	_	11.0	7.0
Gold ore and silver ore mining ¹⁰	21221	77.6	_	_	_	_	_
Gold ore mining ¹⁰	212221	68.4	_	_	-	-	_
Silver ore mining ¹⁰	212222	174.5	_	_	_	_	_
Copper, nickel, lead, and zinc mining ¹⁰	212222	138.7	_	_	_	_	_
Lead ore and zinc ore mining ¹⁰	21223	175.5	_	_	_	_	_
Copper ore and nickel ore mining ¹⁰	212231	132.6	_	_	_	-	_
Other metal ore mining ¹⁰	212234	152.0	_	-	-	-	_
All other metal ore mining ¹⁰	21229		-	_	_	-	_
	212299	138.7	-	-	_	-	-
Nonmetallic mineral mining and	04.00	4077	0.4	7.0		10.7	C 4
quarrying ¹⁰	2123	137.7	2.1	7.2	-	19.7	6.4
Stone mining and quarrying ¹⁰ Dimension stone mining and	21231	140.8	-	6.4	_	19.5	6.3
quarrying ¹⁰ Crushed and broken limestone mining	212311	260.2	-	-	-	-	-
and quarrying ¹⁰ Crushed and broken granite mining	212312	122.2	-	6.5	-	20.3	6.5
and quarrying ¹⁰	212313	85.6	-	-	-	-	-
mining and quarrying ¹⁰ Sand, gravel, clay, and ceramic and refractory minerals mining and	212319	153.8	-	-	-	23.5	-
quarrying ¹⁰ Construction sand and gravel	21232	133.5	-	7.5	-	20.0	5.2
mining ¹⁰	212321	136.6	-	6.5	-	20.5	5.2
Kaolin and ball clay mining ¹⁰	212324	91.9	-		-	_	_
Clay and ceramic and refractory							
minerals mining ¹⁰ Other nonmetallic mineral mining and	212325	170.8	-	-	-	-	-
quarrying ¹⁰ Potash, soda, and borate mineral	21239	138.3	-	-	_	19.4	11.0
mining ¹⁰	212391	203.2	-	_	_	_	_
Phosphate rock mining ¹⁰ Other chemical and fertilizer mineral	212392	54.3	-	-	_	-	_
mining ¹⁰	212393	153.6	-	_	_	_	_

	Source of injury or illness ⁵										
Industry ³	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶					
Crude petroleum and natural gas											
extraction	14.4	12.8	6.3	13.6	_	8.2					
Mining (except oil and gas) ¹⁰		38.0	11.3	15.8	_	55.0					
Coal mining ¹⁰	2.2	56.8	11.7	28.6	_	63.0					
Coal mining ¹⁰	2.2	56.8	11.7	28.6	_	63.0					
	2.2	0.00	11.7	20.0	-	63.0					
Bituminous coal and lignite surface											
mining ¹⁰	-	36.7	5.1	15.2	-	33.2					
Bituminous coal underground											
mining ¹⁰	-	75.0	17.7	41.1		90.6					
Anthracite mining ¹⁰	_	-	-	_	_	-					
Metal ore mining ¹⁰	_	20.1	8.0	9.4	_	41.3					
Iron ore mining ¹⁰	_	20.1	0.0			32.8					
Cold are and silver are mining ¹⁰	_	14.2	_		_	30.3					
Gold ore and silver ore mining ¹⁰	-		-	-	-						
Gold ore mining ¹⁰	-	-	-	-	-	27.0					
Silver ore mining ¹⁰		-	-	-	-	-					
Copper, nickel, lead, and zinc mining ¹⁰	-	25.8	-	-	-	55.9					
Lead ore and zinc ore mining ¹⁰	_	-	_	_	_	_					
Copper ore and nickel ore mining ¹⁰	_	26.3	_	_	_	50.0					
Other metal ore mining ¹⁰	_		_	_	_	48.0					
All other metal ore mining ¹⁰	_	_				45.2					
All other metal ore mining to	-	-	-	_	_	45.2					
Nonmetallic mineral mining and											
quarrying ¹⁰	1.4	28.6	11.7	8.1	-	52.5					
Stone mining and quarrying ¹⁰	-	25.8	12.1	9.8	-	58.2					
Dimension stone mining and											
quarrying ¹⁰	_	20.9	31.9	_	_	155.9					
Crushed and broken limestone mining											
and quarrying ¹⁰	_	24.1	7.8	9.5	_	44.1					
Crushed and broken granite mining	_	24.1	7.0	3.5	_	44.1					
		00.0				00.0					
and quarrying ¹⁰	-	23.6	-	-	-	29.8					
Other crushed and broken stone											
mining and quarrying ¹⁰	-	35.9	14.7	-	-	54.6					
Sand, gravel, clay, and ceramic and											
refractory minerals mining and											
quarrying ¹⁰	_	31.2	11.9	5.6	_	48.0					
Construction sand and gravel		01.2	11.0	0.0		10.0					
		29.9	14.0	4.7		53.3					
mining ¹⁰	-		14.0	4.7	-	53.3					
Kaolin and ball clay mining ¹⁰	-	32.4	-	-	-	-					
Clay and ceramic and refractory											
minerals mining ¹⁰	-	44.2	-	-	-	44.2					
Other nonmetallic mineral mining and											
quarrying ¹⁰	-	32.4	-	_	_	41.2					
Potash, soda, and borate mineral											
mining ¹⁰	_	35.4				49.6					
Dhaanhata raak mining ¹⁰	-	55.4		_		49.0					
Phosphate rock mining ¹⁰	-	-	-		-	-					
Other chemical and fertilizer mineral											
mining ¹⁰	-	45.2		- 1							

				Sour	ce of injury or	illness ⁵	
Industry ³	NAICS code ⁴	Total cases	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials
All other nonmetallic mineral							
mining ¹⁰	212399	116.7	_	_	_	_	_
Support activities for mining	213	121.1	2.2	6.0	_	16.9	34.3
Support activities for mining	2131	121.1	2.2	6.0	_	16.9	34.3
Support activities for mining	21311	121.1	2.2	6.0	_	16.9	34.3
Drilling oil and gas wells	213111	201.1	4.6	4.3	_	26.9	80.0
Support activities for oil and gas	210111	201.1	4.0	4.0		20.0	00.0
operations	213112	87.1	1.2	6.7	-	12.7	14.9
Construction		239.5	2.5	10.4	4.3	14.8	56.0
Construction	23	239.5	2.5	10.4	4.3	14.8	56.0
Construction of buildings	236	204.6	1.9	7.0	4.6	9.5	48.2
Construction of buildings			-	-	-		-
Residential building construction	2361	237.3	2.3	5.8	7.0	10.5	51.7
Nonresidential building construction	2362	166.4	1.5	8.5	1.9	8.4	44.1
Heavy and civil engineering construction	237	207.4	3.0	8.3	1.3	20.5	49.2
Utility system construction	2371	228.0	2.3	8.2	1.1	17.3	57.3
Land subdivision	2372	103.2	1.9	-	_	5.8	27.5
Highway, street, and bridge construction	2373	205.6	4.2	11.1	2.3	20.0	40.9
Other heavy and civil engineering							
construction	2379	215.9	2.7	4.3	-	45.4	61.8
Specialty trade contractors	238	259.5	2.6	12.1	4.9	15.6	60.3
Foundation, structure, and building exterior	0004	244.0		110	2.0	10.0	05.0
contractors	2381	341.0	3.0	14.0	2.9	10.3	95.3
Poured concrete foundation and	00044	007.0	50	110		47.0	75.0
structure contractors	23811	287.9	5.8	14.0	-	17.8	75.8
Structural steel and precast concrete	00040			7.0		40.4	
contractors	23812	293.0	-	7.3	-	12.4	113.4
Framing contractors	23813	547.3	-	5.0	4.1	8.6	183.2
Masonry contractors	23814	267.7	5.8	17.3	5.1	9.1	66.8
Roofing contractors	23816	373.4	1.3	23.6	2.6	6.3	87.4
Siding contractors	23817	318.3	-	11.1	-	7.8	73.7
Other foundation, structure, and building							
exterior contractors	23819	194.3	-	-	-	7.6	37.9
Building equipment contractors	2382	229.9	2.0	10.4	6.3	14.5	56.5
Electrical contractors	23821	221.4	1.9	8.2	9.9	10.0	48.5
Plumbing, heating, and air-conditioning							
contractors	23822	244.8	2.2	12.3	3.1	18.7	65.0
Other building equipment contractors	23829	176.3	1.5	11.6	4.4	15.5	49.0
Building finishing contractors	2383	246.2	2.1	16.8	7.3	12.6	43.3
Drywall and insulation contractors	23831	301.3	3.3	24.2	4.2	5.8	70.3
Painting and wall covering contractors	23832	185.6	2.1	14.3	7.2	9.4	13.2
Flooring contractors	23833	151.5	_	19.9	10.7	4.5	23.1
Finish carpentry contractors	23835	318.3		2.9	14.6	36.0	47.8
Other building finishing contractors	23839	237.5	4.3	9.4	8.6	16.4	30.4
Other specialty trade contractors	2389	240.3	4.0	7.8	.5	30.9	42.4
	2000	2.0.0		,	.0	00.0	r 4 , T

			Source of injur	y or illness ⁵		
Industry ³	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶
All other nonmetallic mineral						
mining ¹⁰	-	-	-	-	-	54.9
Support activities for mining	8.8	10.9	7.0	12.2	-	22.5
Support activities for mining	8.8	10.9	7.0	12.2	-	22.5
Support activities for mining	8.8	10.9	7.0	12.2	-	22.5
Drilling oil and gas wells	17.1	20.1	16.0	8.6	-	22.4
Support activities for oil and gas						
operations	5.3	7.0	3.2	13.7	_	22.6
Construction	31.7	48.8	20.2	12.8	(⁸)	38.0
Construction	31.7	48.8	20.2	12.8	(8)	38.0
Construction of buildings	25.3	46.1	23.6	6.5	_	31.8
Residential building construction	27.2	61.8	29.6	6.2	_	35.2
	23.1	27.7	16.6	6.8	_	27.8
Nonresidential building construction						-
Heavy and civil engineering construction	26.1	31.9	14.1	21.3	_	31.5
Utility system construction	31.5	39.0	17.4	16.1	_	37.1
Land subdivision	11.9	24.3	5.1	7.7	-	17.2
Highway, street, and bridge construction	25.7	27.2	11.3	32.1	-	30.8
Other heavy and civil engineering						
construction	17.7	26.4	17.8	16.1	-	23.5
Specialty trade contractors Foundation, structure, and building exterior	35.3	53.5	20.3	13.2	_	41.7
contractors	36.6	70.3	30.0	13.7	-	64.9
Poured concrete foundation and				-		
structure contractors	31.9	52.4	36.0	19.2	_	34.7
Structural steel and precast concrete	• · · •					
contractors	22.9	64.1	11.9	8.7	_	50.8
Framing contractors	51.4	114.1	71.5	4.2	_	104.8
Masonry contractors	32.5	44.3	8.7	14.1	_	63.7
Roofing contractors	33.8	105.0	31.5	5.9	_	75.8
Siding contractors	32.3	92.3	7.1	34.8	_	54.6
Other foundation, structure, and building	02.0	02.0	/	04.0		04.0
exterior contractors	11.8	37.3	36.5	12.6	_	44.8
Building equipment contractors	35.3	44.9	16.9	12.0	_	31.5
Electrical contractors	35.5	49.0	15.5	13.8		29.1
	55.5	49.0	15.5	13.0	-	29.1
Plumbing, heating, and air-conditioning	36.9	43.0	19.3	9.4		34.9
Contractors				9.4 12.7	_	
Other building equipment contractors	20.4	29.5	7.8		_	23.9
Building finishing contractors	35.7	62.8	17.3	6.9	_	41.3 39.3
Drywall and insulation contractors	47.9	80.1	14.8	11.0		
Painting and wall covering contractors	29.7	57.1	11.8	4.3	-	36.6
Flooring contractors	25.1	25.2	29.3	-	-	12.4
Finish carpentry contractors	30.2	74.8	27.6	6.2	-	78.0
Other building finishing contractors	33.8	62.1	11.2	8.2	-	53.1
Other specialty trade contractors	32.6	40.1	19.8	25.9	-	36.2

				Sour	ce of injury or	illness ⁵	
Industry ³	NAICS code ⁴	Total cases	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials
Site preparation contractors	23891	223.2	1.0	7.1	0.7	37.3	34.6
All other special trade contractors	23899	260.7	7.6	8.7	-	23.3	51.8
Manufacturing		147.1	3.2	17.1	4.3	18.9	25.9
Manufacturing	31-33	147.1	3.2	17.1	4.3	18.9	25.9
ood manufacturing	311	158.5	4.7	28.3	4.7	18.5	9.0
Animal food manufacturing	3111	179.6	3.3	26.2	_	16.0	9.9
Animal food manufacturing	31111	179.6	3.3	26.2	_	16.0	9.9
Dog and cat food manufacturing	311111	142.4	5.5	26.2	_	29.2	5.5
Other animal food manufacturing	311119	200.2	-	26.2	-	8.6	12.0
Grain and oilseed milling	3112	117.7	-	22.5	-	9.3	16.2
Flour milling and malt manufacturing	31121	187.8	-	29.2	-	13.0	41.4
Flour milling	311211	131.8	-	11.2	_	-	30.1
Rice milling	311212	242.2	_	96.4	_	_	_
Starch and vegetable fats and oils	-						
manufacturing	31122	67.1	_	13.1	_		_
Wet corn milling	311221	68.8	_	13.1		_	
			-	-	-	475	-
Breakfast cereal manufacturing	31123	122.7	-	31.5	-	17.5	-
Sugar and confectionery product							
manufacturing	3113	152.2	-	20.7	-	23.4	13.1
Sugar manufacturing	31131	226.5	-	13.7	-	24.3	42.2
Sugarcane mills	311311	229.7	-	-	_	-	39.5
Cane sugar refining	311312	95.7	_	_	_		_
Beet sugar manufacturing	311313	293.3	_	_	_	39.9	57.5
Confectionery manufacturing from	011010	200.0				00.0	07.0
purchased chocolate	24422	102.1		44 7		10.6	
	31133	102.1	-	11.7	-	10.6	-
Nonchocolate confectionery		4					~ ~
manufacturing	31134	177.8	-	36.0	-	52.6	9.0
Fruit and vegetable preserving and							
specialty food manufacturing	3114	164.2	6.6	32.8	2.4	20.4	10.2
Frozen food manufacturing	31141	149.0	5.5	32.5	3.9	17.0	8.0
Frozen fruit, juice, and vegetable							
manufacturing	311411	219.1	11.2	40.5	_	13.6	13.4
Frozen specialty food	51111						10.4
manufacturing	311412	108.9	1	28.0	5.7	19.0	4.9
	511412	100.9	-	20.0	5.7	19.0	4.9
Fruit and vegetable canning, pickling,	04446	170.0					10.1
and drying	31142	179.0	7.6	33.0	-	23.7	12.4
Fruit and vegetable canning	311421	179.0	9.5	31.9	-	20.6	12.1
Dried and dehydrated food							
manufacturing	311423	327.0	-	73.2	-	62.1	27.9
Dairy product manufacturing	3115	256.5	9.8	59.0	6.0	20.7	13.8
Dairy product (except frozen)	0110	200.0	0.0	00.0	0.0	20.7	10.0
	24454	267.2	14.0	645	2.0	007	40.0
manufacturing	31151	267.3	11.0	64.5	3.8	20.7	13.2
Fluid milk manufacturing	311511	326.8	6.5	92.8	-	21.9	17.7
Creamery butter manufacturing	311512	249.3	-	-	_	69.3	-

			Source of injur	y or illness ⁵		
Industry ³	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶
Site preparation contractors	26.5	42.1	16.9	23.0	_	34.2
All other special trade contractors	40.0	37.7	23.4	29.3	-	38.7
Manufacturing	26.3	17.2	8.5	8.1	(8)	17.5
Manufacturing	26.3	17.2	8.5	8.1	(8)	17.5
ood manufacturing	26.8	27.7	7.2	11.7	_	19.9
Animal food manufacturing	21.6	31.9	31.6	23.3	_	15.8
Animal food manufacturing	21.6	31.9	31.6	23.3	_	15.8
Dog and cat food manufacturing	27.6	27.7	51.0	12.6	_	11.2
Other animal food manufacturing	18.3	34.2	48.0	29.3	_	18.3
		-		10.1	_	
Grain and oilseed milling	26.3	14.2	5.0		-	12.6
Flour milling and malt manufacturing	27.3	22.9	-	16.5	-	26.8
Flour milling	24.6	-	-	19.8	-	22.5
Rice milling	-	-	-	-	-	-
Starch and vegetable fats and oils						
manufacturing	28.2	5.0	-	7.2	-	6.7
Wet corn milling	28.5	-	-	-	-	-
Breakfast cereal manufacturing	21.6	20.4	10.6	-	-	-
Sugar and confectionery product						
manufacturing	35.5	31.9	5.5	6.3	_	14.9
Sugar manufacturing	48.6	52.7	_	17.2	_	19.6
Sugarcane mills	_	60.4	_	_	_	37.5
Cane sugar refining	_	_	_	_	_	-
Beet sugar manufacturing	82.8	61.3	_	_	_	_
Confectionery manufacturing from	02.0	01.0				
purchased chocolate	30.3	32.5	7.6			
Nonchocolate confectionery	50.5	52.5	7.0		_	
manufacturing	37.2	19.8				12.6
	51.2	19.0	-	_	_	12.0
Fruit and vegetable preserving and	00.7	200.0	4.0	0.0		00.7
specialty food manufacturing	26.7	29.6	4.0	9.0	-	22.7
Frozen food manufacturing	22.9	22.9	4.3	8.8	-	23.0
Frozen fruit, juice, and vegetable		10.1	7.0	10.0		07.0
manufacturing	34.5	42.1	7.0	18.8	-	37.3
Frozen specialty food						
manufacturing	16.3	12.0	2.8	3.1	-	14.9
Fruit and vegetable canning, pickling,						
and drying	30.3	36.0	3.7	9.2	-	22.3
Fruit and vegetable canning	28.7	35.7	4.7	11.5	-	23.2
Dried and dehydrated food						
manufacturing	63.8	57.2	-	-	-	39.7
Dairy product manufacturing	44.1	48.9	4.4	24.1	_	25.7
Dairy product (except frozen)						
manufacturing	47.3	54.1	4.2	24.4	l _	24.2
Fluid milk manufacturing	51.5	75.3	3.6	31.4		24.2
			3.0		-	
Creamery butter manufacturing	-	-	-	-	-	-

				Sour	ce of injury or	illness ⁵	
Industry ³	NAICS code ⁴	Total cases	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials
Cheese manufacturing Dry, condensed, and evaporated	311513	243.6	11.4	37.8	7.5	22.0	10.9
dairy product manufacturing	311514	99.1	23.5	24.1	-	-	-
manufacturing Animal slaughtering and processing Animal slaughtering and processing	31152 3116 31161	199.0 129.0 129.0	- 4.7 4.7	30.0 14.6 14.6	17.5 3.6 3.6	20.5 15.8 15.8	17.1 6.6 6.6
Animal (except poultry) slaughtering Meat processed from carcasses Rendering and meat byproduct	311611 311612	155.7 145.5	2.4 5.4	15.7 22.9	5.4 4.2	12.5 19.6	6.1 7.0
processing Poultry processing Seafood product preparation and	311613 311615	371.8 95.2	_ 5.7	35.3 9.2	_ 2.4	24.1 15.9	58.8 4.7
packaging Seafood product preparation and	3117	254.2	9.4	59.5	11.7	20.9	9.4
packaging Fresh and frozen seafood	31171	254.2	9.4	59.5	11.7	20.9	9.4
processing Bakeries and tortilla manufacturing Bread and bakery product	311712 3118	177.6 166.2	6.8 1.2	39.5 31.3	9.7 11.2	19.1 23.8	6.9 8.3
manufacturing Retail bakeries	31181 311811	186.2 104.7	1.3	33.7 22.3	14.7	26.8 12.7	9.3
Commercial bakeries Frozen cakes, pies, and other	311812	212.0	1.3	36.0	19.6	32.9	13.0
pastries manufacturing Cookie, cracker, and pasta	311813	254.0	-	60.3	25.2	19.1	-
manufacturing Cookie and cracker manufacturing Flour mixes and dough manufacturing	31182 311821	130.3 142.8		29.4 35.0	-	15.6 17.2	6.3 7.8
from purchased flour Dry pasta manufacturing	311822 311823	118.3 105.0		32.4	-	14.6 —	-
Other food manufacturing Snack food manufacturing Roasted nuts and peanut butter	3119 31191	141.5 125.8	6.8 4.8	35.6 24.8	2.2 -	16.0 9.1	7.1 6.6
manufacturing Other snack food manufacturing Flavoring syrup and concentrate	311911 311919	114.3 129.5	_ 5.5	_ 29.5		14.0 7.5	_ 6.4
manufacturing Seasoning and dressing	31193	133.7	31.4	19.9	-	-	_
manufacturing Spice and extract manufacturing All other food manufacturing	31194 311942 31199	111.3 81.5 158.0	5.5 - 6.1	17.1 12.9 41.8	- - 2.8	28.9 13.3 13.4	- - 8.3
Perishable prepared food manufacturing	311991	169.4	_	42.4	_	19.5	_
All other miscellaneous food manufacturing	311999	145.3	13.0	41.1	_	6.6	12.4

			Source of injur	y or illness ⁵		
Industry ³	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶
Cheese manufacturing	57.7	38.5	6.6	22.0	_	29.1
Dry, condensed, and evaporated dairy product manufacturing	-	18.6	_	_	-	12.5
Ice cream and frozen dessert	20.0	04.4		00.4		22.0
manufacturing	26.9	21.4		22.4	-	33.8
Animal slaughtering and processing	24.4	19.6	8.7	9.2	-	21.8
Animal slaughtering and processing	24.4	19.6	8.7	9.2	-	21.8
Animal (except poultry) slaughtering	32.4	21.0	15.9	8.0	-	36.2
Meat processed from carcasses	29.9	20.2	6.5	12.0	-	17.8
Rendering and meat byproduct						
processing	43.8	79.2	-	56.0	-	53.3
Poultry processing	16.1	16.3	4.9	6.8	-	13.2
Seafood product preparation and						
packaging	25.2	48.9	15.1	22.0	-	32.0
Seafood product preparation and						
packaging	25.2	48.9	15.1	22.0	_	32.0
Fresh and frozen seafood						
processing	19.4	35.2	14.1	8.2	_	18.7
Bakeries and tortilla manufacturing	25.8	32.3	4.4	12.0	_	16.0
Bread and bakery product	20.0	02.0		12.0		10.0
manufacturing	23.9	38.5	3.9	15.4	_	18.6
Retail bakeries	11.0	27.2	7.1	5.4	_	17.0
Commercial bakeries	24.7	42.2	2.9	20.4	_	19.2
Frozen cakes, pies, and other	24.7	42.2	2.9	20.4	_	19.2
	74.0	45.0				10.0
pastries manufacturing	74.3	45.9	-	-	-	18.8
Cookie, cracker, and pasta	00.4	00.0	7.0			44.0
manufacturing	33.1	20.0	7.3	3.8	-	11.6
Cookie and cracker manufacturing	26.1	24.1	12.6	-	-	10.3
Flour mixes and dough manufacturing						
from purchased flour	23.0	19.9	-	-	-	18.7
Dry pasta manufacturing	79.9	-	-	-	-	-
Other food manufacturing	20.5	23.4	4.8	9.3	-	15.7
Snack food manufacturing	25.8	26.6	5.7	9.7	-	10.8
Roasted nuts and peanut butter						
manufacturing	14.4	18.2	16.8	-	-	19.7
Other snack food manufacturing	29.5	29.4		9.3	–	8.0
Flavoring syrup and concentrate						
manufacturing	25.4		-	-	-	22.9
Seasoning and dressing	-					-
manufacturing	8.0	14.6	6.4	10.3	-	17.4
Spice and extract manufacturing	11.9	14.8	_	_	-	12.7
All other food manufacturing	25.1	26.5	5.4	10.2	-	18.2
Perishable prepared food						
manufacturing	37.6	21.8	5.2	13.5	_	22.4
All other miscellaneous food	07.0	21.0	0.2	10.0		
manufacturing	11.3	31.8	5.6	6.5	_	13.6
	11.0	01.0	0.0	0.0		10.0

				Sour	ce of injury or	illness ⁵	
Industry ³	NAICS code ⁴	Total cases	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials
Beverage and tobacco product							
manufacturing	312	245.5	6.3	72.2	7.4	24.1	9.8
Beverage manufacturing	3121	256.4	5.8	78.9	8.5	22.9	9.0
Soft drink and ice manufacturing	31211	317.6	5.9	112.4	12.1	28.1	10.5
Soft drink manufacturing	312111	309.4	6.3	110.5	13.8	20.2	12.2
Bottled water manufacturing	312112	354.5	0.5	126.7		21.7	12.2
Ice manufacturing	312112	335.4		104.0	_	136.2	_
		67.1		6.4	—		-
Breweries	31212 31213	224.9	9.6	6.4 22.1	_	8.3 20.9	_ 8.0
Wineries		224.9 169.1	-		_	20.9 32.5	
Tobacco manufacturing	3122 31221		9.5	24.8	_	32.5	15.3
Tobacco stemming and redrying		162.4	10.2		_	1 1	
Tobacco product manufacturing	31222	169.6	10.3	22.7	-	34.6	16.0
Cigarette manufacturing Other tobacco product	312221	167.1	-	24.9	-	40.8	18.4
manufacturing	312229	175.0	31.5	-	_	21.8	_
extile mills	313	81.2	4.8	14.2	1.1	13.5	9.6
Fiber, yarn, and thread mills	3131	48.7	-	5.4	-	9.5	3.2
Fiber, yarn, and thread mills	31311	48.7	-	5.4	-	9.5	3.2
Yarn spinning mills Yarn texturizing, throwing, and	313111	46.6	-	4.6	-	9.1	-
twisting mills	313112	39.0	-	-	-	-	-
Thread mills	313113	120.2	-	-	-	-	-
Fabric mills	3132	84.2	4.1	15.0	1.7	14.8	9.0
Broadwoven fabric mills Narrow fabric mills and schiffli machine	31321	60.1	-	11.0	-	10.9	6.8
embroidery	31322	118.2	-	12.9	-	28.3	-
Narrow fabric mills	313221	124.8	-	14.1	-	27.0	-
Nonwoven fabric mills	31323	102.3	-	23.6	-	20.8	11.0
Knit fabric mills	31324	141.0	20.6	24.8	-	14.1	15.8
Weft knit fabric mills	313241	159.6	27.3	-	-	-	-
Other knit fabric and lace mills	313249	129.1	-	25.0	-	-	18.9
Textile and fabric finishing and fabric							
coating mills	3133	102.5	8.9	20.0	-	14.4	15.8
Textile and fabric finishing mills	31331	70.9	5.5	16.3	-	6.0	12.6
Broadwoven fabric finishing mills	313311	85.2	6.2	19.3	-	10.8	14.1
Textile and fabric finishing (except							
broadwoven fabric) mills	313312	53.2		12.5	-	-	-
Fabric coating mills	31332	271.1	-	39.9	_	59.4	32.7
extile product mills	314	94.1	-	10.9	1.3	12.4	10.4
Textile furnishings mills	3141	71.2		10.4	1.7	10.2	6.0
Carpet and rug mills	31411	37.5		7.9	-	3.8	3.2
Curtain and linen mills	31412	110.6		13.4	-	17.8	9.4
Curtain and drapery mills	314121	182.1	-	_	_	32.0	29.4
Other household textile product						-	
mills	314129	78.5		16.6	_	11.4	_
Other textile product mills	3149	125.7	-	11.6	_	15.4	16.4
Textile bag and canvas mills	31491	140.0	_	_	_	19.4	25.5

			Source of injur	y or illness ⁵		
Industry ³	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶
Beverage and tobacco product						
manufacturing	37.3	31.7	3.4	32.3	_	21.0
Beverage manufacturing	38.7	33.9	2.5	35.2	_	20.9
Soft drink and ice manufacturing	39.4	35.9	3.0	46.7	_	23.6
Soft drink manufacturing	43.5	32.1	2.1	45.6	_	23.1
Bottled water manufacturing	24.9	59.1	_	66.5	_	34.2
Ice manufacturing	_	_	_	_	_	_
Breweries	11.9	13.8	_	7.1	_	7.2
Wineries	65.7	48.4	_	23.3	_	26.2
Tobacco manufacturing	27.3	16.7	9.7	11.7	_	21.6
Tobacco stemming and redrying	_	-	_	_	_	_
Tobacco product manufacturing	29.0	13.8	10.5	12.1	_	20.6
Cigarette manufacturing	34.8	15.7	-	16.3	_	11.5
Other tobacco product	0.110					
manufacturing	_	_	22.5	_	_	39.5
Textile mills	9.3	11.4	2.1	2.4	_	12.8
Fiber, varn, and thread mills	5.8	5.7		3.1	_	11.3
Fiber, yarn, and thread mills	5.8	5.7	_	3.1	_	11.3
Yarn spinning mills	5.4	4.3	_	_	_	14.8
Yarn texturizing, throwing, and	0.4	4.5				14.0
twisting mills	_	_	_	_	_	_
Thread mills	_	_	_	_	_	_
Fabric mills	10.7	14.8	2.2	2.1	_	9.8
Broadwoven fabric mills	9.1	13.3	<i>2.2</i>	_	_	6.9
Narrow fabric mills and schiffli machine	0.1	10.0				0.5
embroidery	_	25.0	14.3	_	_	
Narrow fabric mills	_	27.1	15.5			
Nonwoven fabric mills	_	13.4	10.0			17.6
Knit fabric mills	26.3	14.4	_	_		17.0
Weft knit fabric mills	20.5	14.4	_		_	
Other knit fabric and lace mills	_ 27.5	_	_	_	_	17.3
Textile and fabric finishing and fabric	21.5	_	_		_	17.5
coating mills	9.8	10.3		2.5		19.3
Textile and fabric finishing mills	9.8 9.2	8.1	_	2.3	_	9.3
	9.2 12.5	8.8	_	2.9	_	9.3
Broadwoven fabric finishing mills Textile and fabric finishing (except	12.0	0.0	_	_	_	9.1
		7.0		_		0.5
broadwoven fabric) mills	-	7.3	_	_	-	9.5 72.9
Fabric coating mills	_ 24.2	12.0	2.2	5.1	-	14.7
				-	-	
Textile furnishings mills	16.1 9.4	10.8	2.0	6.4	-	6.8
Carpet and rug mills	9.4 24.0	5.0	4.2		-	3.5
Curtain and linen mills	-	17.5	4.2	11.7	-	10.8
Curtain and drapery mills Other household textile product	18.8	37.0	-	36.8		13.7
	06.0	0.7				0.5
mills	26.3	8.7		-	-	9.5
Other textile product mills Textile bag and canvas mills	35.2	13.7	2.7	3.4	-	25.6
	40.3	13.2	_	_	· –	29.7

Industry ³		-	Source of injury or illness ⁵						
Industry ³	NAICS code ⁴	Total cases	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials		
Conversion and related product mills	214012	172.0				10.0	24.0		
Canvas and related product mills		173.9	-	-	-	16.0	34.9		
All other textile product mills Tire cord and tire fabric mills		114.7 146.5	_	16.7	_	12.3 41.4	9.4		
All other miscellaneous textile product		140.5	_	_	_	41.4	-		
mills		92.6	_	12.9	_	9.7	_		
pparel manufacturing		79.8	0.8	11.0	3.0	16.6	3.4		
Apparel knitting mills		98.5	0.0	16.5	- 5.0	15.3	- 5.4		
Hosiery and sock mills		99.3		25.0	_	7.6	_		
Other hosiery and sock mills	315119	139.1	_	31.0	_	11.5	-		
Other apparel knitting mills		97.1		- 51.0	_	28.4	_		
Outerwear knitting mills		58.0	_	_	_	20.4	_		
Cut and sew apparel manufacturing		75.3		10.0	3.7	17.1	3.2		
	5152	75.5	_	10.0	3.7	17.1	3.2		
Men's and boys' cut and sew apparel	315211	72.4		14.1		10.6			
contractors	315211	12.4	_	14.1	-	10.0	_		
Men's and boys' cut and sew apparel	31522	113.9		16.3		22.3	3.5		
manufacturing	31522	113.9	_	10.3	-	22.3	3.5		
Men's and boys' cut and sew suit,	045000	400 7							
coat, and overcoat manufacturing	315222	108.7	-	-	-	-	-		
Men's and boys' cut and sew shirt	045000	400.0				20.7			
(except work shirt) manufacturing	315223	133.3	-	-	-	30.7	-		
Men's and boys' cut and sew trouser,	045004								
slack, and jean manufacturing	315224	93.3	-	-	-	-	-		
Men's and boys' cut and sew work									
clothing manufacturing	315225	118.4	-	24.8	-	-	-		
Women's and girls' cut and sew apparel									
manufacturing	31523	34.8	-	9.1	5.9	-	-		
Women's and girls' cut and sew suit, coat, tailored jacket, and skirt									
manufacturing	315234	62.8	-	-	-	-	-		
Women's and girls' cut and sew other									
outerwear manufacturing	315239	24.7	-	-	-	-	-		
Other cut and sew apparel									
manufacturing	31529	55.3	-	11.0	-	-	-		
All other cut and sew apparel									
manufacturing	315299	42.5	-	-	-	-	-		
Apparel accessories and other apparel									
manufacturing	3159	88.2	-	10.8	-	14.0	11.4		
Apparel accessories and other apparel									
manufacturing	31599	88.2	-	10.8	-	14.0	11.4		
eather and allied product manufacturing		167.0	-	18.3	5.7	38.2	4.2		
Footwear manufacturing		151.2	-	12.9	_	38.7	-		
Footwear manufacturing		151.2	-	12.9	_	38.7	_		
Rubber and plastics footwear	_			-		-			
manufacturing	316211	113.9	-		-	_	-		
Men's footwear (except athletic)									
manufacturing	316213	226.1	-	_	_	79.5	_		

			Source of injur	y or illness ⁵		
Industry ³	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶
Canvas and related product mills	46.6	18.7	_	_	_	41.9
All other textile product mills	31.3	14.2	_	5.2	_	22.4
Tire cord and tire fabric mills	40.6	_	_	_	_	
All other miscellaneous textile product	1010					
mills	32.3	7.3	_	6.7	_	19.2
Apparel manufacturing	17.6	11.7	1.8	3.6	_	10.3
Apparel knitting mills	29.6	10.6	_	10.4	_	12.9
Hosiery and sock mills	46.4	7.1	_	_	_	11.3
Other hosiery and sock mills	66.2	10.7	_	_	_	17.0
Other apparel knitting mills	_	16.4	_	28.0	_	15.6
Outerwear knitting mills	_	_	_	_	_	18.4
Cut and sew apparel manufacturing	15.0	11.9	1.6	2.2	_	10.0
Men's and boys' cut and sew apparel						
contractors	22.7	19.8	_	_	_	_
Men's and boys' cut and sew apparel						
manufacturing	23.9	15.9	3.3	_	_	24.4
Men's and boys' cut and sew suit,						
coat, and overcoat manufacturing	33.1	19.2	_	_	_	26.6
Men's and boys' cut and sew shirt						
(except work shirt) manufacturing	32.5	31.2	_	_	_	21.0
Men's and boys' cut and sew trouser,		-				
slack, and jean manufacturing	24.2	_	_	_	_	_
Men's and boys' cut and sew work						
clothing manufacturing	21.0	_	_	_	_	49.0
Women's and girls' cut and sew apparel						
manufacturing	10.3	3.5	_	_	_	_
Women's and girls' cut and sew suit, coat, tailored jacket, and skirt manufacturing	_	_		_	_	
Women's and girls' cut and sew other						
outerwear manufacturing	_	_	_	_	_	_
Other cut and sew apparel						
manufacturing	13.5	15.6	_	_	_	_
All other cut and sew apparel	10.0	10.0				
manufacturing	_	18.3	_	_	_	_
Apparel accessories and other apparel		10.5				
manufacturing	20.7	11.2	_	_	_	9.1
Apparel accessories and other apparel	20.7	11.2	_		_	5.1
manufacturing	20.7	11.2	_	_	_	9.1
Leather and allied product manufacturing	45.5	18.0	13.9	9.5		10.9
Footwear manufacturing	53.8	11.0	13.9	- 3.5		
Footwear manufacturing	53.8	11.0	13.2	_	_	_
Rubber and plastics footwear	00.0		10.2			
manufacturing	_	_	_	_	_	_
Men's footwear (except athletic)						
manufacturing	68.0	_	_	_	_	_
	00.0					

				Sour	ce of injury or	illness ⁵	
Industry ³	NAICS code ⁴	Total cases	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials
Women's footwear (except athletic)							
manufacturing Other leather and allied product	316214	71.6	-	-	-	-	-
manufacturing Other leather and allied product	3169	124.7	-	25.3	-	17.9	-
manufacturing	31699	124.7	-	25.3	_	17.9	_
Wood product manufacturing	321	245.6	1.3	15.0	4.3	32.4	67.8
Sawmills and wood preservation	3211	276.8	_	6.4	_	36.3	101.5
Sawmills and wood preservation	32111	276.8	-	6.4	-	36.3	101.5
Sawmills	321113	282.5	-	6.3	-	37.5	106.5
Wood preservation	321114	218.8	-	-	-	23.8	51.2
Veneer, plywood, and engineered wood							
product manufacturing	3212	202.5	-	7.5	2.2	24.3	57.8
Veneer, plywood, and engineered wood							
product manufacturing	32121	202.5	-	7.5	2.2	24.3	57.8
Hardwood veneer and plywood							
manufacturing Softwood veneer and plywood	321211	136.0	-	10.9	-	18.3	28.0
manufacturing	321212	109.5	_	_	_	18.6	17.7
Engineered wood member (except	021212	100.0				10.0	
truss) manufacturing	321213	193.4	_	17.9	_	29.7	63.4
Truss manufacturing	321214	317.9	_	6.7	_	30.9	102.4
Reconstituted wood product		• • • • •		•			
manufacturing	321219	104.8	_	_	_	18.8	25.0
Other wood product manufacturing	3219	250.9	2.1	21.7	6.8	34.2	58.3
Millwork	32191	217.5	1.6	7.6	5.8	35.5	49.0
Wood window and door							
manufacturing	321911	196.6	_	7.3	4.4	27.9	35.6
Cut stock, resawing lumber, and				_		_	
planing	321912	304.8	-	-	-	50.7	115.7
Other millwork (including flooring)	321918	214.9	-	8.8	9.5	40.1	43.8
Wood container and pallet							
manufacturing	32192	262.0	-	64.0	6.7	37.6	65.5
All other wood product manufacturing	32199	299.0	3.7	20.3	8.3	30.1	69.1
Manufactured home (mobile home)							
manufacturing	321991	225.9	-	5.6	6.1	16.2	71.1
Prefabricated wood building							
manufacturing	321992	354.1	-	10.2	9.4	6.8	92.3
All other miscellaneous wood product							
manufacturing	321999	376.5	-	56.1	11.3	76.7	43.7
Paper manufacturing	322	121.4	2.3	18.7	.7	27.3	12.3
Pulp, paper, and paperboard mills	3221	106.4	4.0	15.7	-	22.1	9.6
Pulp mills	32211	127.7	29.2	-	-	-	-
Paper mills	32212	111.6	3.0	15.6	-	25.7	10.2
Paper (except newsprint) mills	322121	108.5	3.2	15.1	-	25.4	9.8
Newsprint mills	322122	142.6	-	20.9	-	28.9	-
	32213	89.5	_	15.3	_	14.1	8.2

	Source of injury or illness ⁵									
Industry ³	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶				
Women's footwear (except athletic)										
manufacturing	44.6	-	-	-	_	_				
Other leather and allied product										
manufacturing	30.3	18.3	20.1	-	-	-				
Other leather and allied product	00.0	10.0	00.4							
manufacturing	30.3	18.3	20.1	-	-	-				
Wood product manufacturing	29.9	24.4	17.0	12.7	-	40.8				
Sawmills and wood preservation	40.3	25.7 25.7	11.0	12.5	-	42.6 42.6				
Sawmills and wood preservation	40.3 40.8		11.0	12.5	_	42.6				
Sawmills	40.8 35.2	26.9 13.8	11.0	11.7 19.9	_	50.4				
Wood preservation Veneer, plywood, and engineered wood	50.Z	13.0	-	19.9	_	50.4				
product manufacturing	28.7	20.1	13.2	7.6		40.6				
Veneer, plywood, and engineered wood	20.7	20.1	13.2	7.0	_	40.0				
product manufacturing	28.7	20.1	13.2	7.6		40.6				
Hardwood veneer and plywood	20.7	20.1	13.2	7.0	_	40.0				
manufacturing	17.8	9.6	10.1	_	_	35.1				
Softwood veneer and plywood	17.0	5.0	10.1	_	_	55.1				
manufacturing	23.0	20.1	_	_	_	21.1				
Engineered wood member (except	20.0	20.1				21.1				
truss) manufacturing	_	16.3	_	_	_	25.7				
Truss manufacturing	49.1	28.5	23.6	10.1	_	63.8				
Reconstituted wood product	10.1	20.0	20.0			00.0				
manufacturing	_	13.9	_	10.7	_	18.5				
Other wood product manufacturing	26.2	25.7	21.0	14.9	_	40.1				
Millwork	26.2	17.8	18.6	9.5	_	45.8				
Wood window and door				0.0						
manufacturing Cut stock, resawing lumber, and	27.1	14.8	14.4	10.0	-	54.0				
planing	33.1	18.9	11.4	8.8	_	57.4				
Other millwork (including flooring)	22.7	21.3	26.4	9.1	_	31.3				
Wood container and pallet										
manufacturing	21.8	7.8	16.7	16.7	_	24.9				
All other wood product manufacturing	28.9	48.7	27.4	22.6	_	39.7				
Manufactured home (mobile home)										
manufacturing	15.9	51.2	17.9	9.2	-	32.0				
Prefabricated wood building										
manufacturing	38.9	66.4	24.9	44.5	-	59.9				
All other miscellaneous wood product										
manufacturing	42.3	27.7	46.8	25.8	–	34.1				
Paper manufacturing	22.5	15.2	6.0	7.2	-	9.3				
Pulp, paper, and paperboard mills	16.9	15.3	6.4	6.1	–	9.8				
Pulp mills	23.8		-	-	-	-				
Paper mills	16.1	15.7	6.1	7.4	-	11.2				
Paper (except newsprint) mills	15.6	16.5	5.7	6.5	-	10.2				
				400	1					
Newsprint mills Paperboard mills	20.9 17.8	13.7	8.3	16.6	-	21.5 6.4				

Industry ³ NAICS code ⁴ Total code ⁴ Chemicals and code ⁴ Containers and products Furniture functional containers Machinery and fixtures Parts and materials Converted paper product manufacturing Corrugated and solid liber box manufacturing products manufacturing products 32221 32221 127.7 12.6 1.6 19.9 12.7 0.8 29.5 13.4 Parts manufacturing products 32221 127.7 - 19.4 12.8 Point products appendoat 32221 197.4 - 32.7 - 33.8 30.6 products maintary flood container 32221 193.5 4.8 31.5 - 33.3 10.2 Paper bag and coated and treated paper manufacturing 322221 133.5 4.8 31.5 - 33.6 - Coated and laminated paper manufacturing 322221 128.6 11.6 46.3 - 32.6 - Coated and laminated paper 322222 133.5 4.9 24.0 - 30.9 10.9 Uncoated paper and multivall bag manufacturing <t< th=""><th></th><th></th><th></th><th></th><th>Sour</th><th>ce of injury or</th><th>illness⁵</th><th></th></t<>					Sour	ce of injury or	illness ⁵	
Paperboard container manufacturing 32221 128.6 - 16.0 - 25.0 14.9 Corrugated and solid fiber box manufacturing gaperboard box manufacturing 322211 115.9 - 12.7 - 19.4 12.8 Folding paperboard box manufacturing 322212 197.4 - 32.7 - 33.8 30.6 Fiber can, lube, drum, and similar products manufacturing 322215 98.9 - 13.1 - 41.8 10.9 Paper bag and coated and treated paper manufacturing 322221 133.5 4.8 31.5 - 33.3 10.2 Coated and laminated packaging paper and pastics film manufacturing 322221 128.6 11.6 46.3 - 33.6 - Coated and laminated paper manufacturing 322222 130.5 4.9 24.0 - 30.9 10.9 Uncoated paper and papetoard offic supples manufacturing 322221 128.6 14.9 - 25.0 - 36.7 - - - 2.6 14.8 -	Industry ³			and chemical	Containers	and	Machinery	and
manufacturing 322211 115.9 - 12.7 - 19.4 12.8 Fiber can, tube, drum, and similar 322212 197.4 - 32.7 - 33.8 30.6 Fiber can, tube, drum, and similar 322214 48.0 - - - 15.3 - mondacturing 322215 98.9 - 13.1 - 41.8 10.9 Paper bag and coated and treated paper 32221 133.5 4.8 31.5 - 33.3 10.2 Coated and laminated packaging 322221 130.5 4.9 24.0 - 30.9 10.9 uncoated paper and pasitis film 322222 130.5 4.9 24.0 - 33.6 - Batiatoring 322221 128.6 11.6 46.3 - 32.6 14.8 Stationery product 322223 135.5 - 25.0 - 32.6 14.8 satistry paper product 322231 19.7 - 15.5 <td>Paperboard container manufacturing</td> <td>-</td> <td></td> <td>1.6 -</td> <td></td> <td>0.8 -</td> <td></td> <td>-</td>	Paperboard container manufacturing	-		1.6 -		0.8 -		-
manufacturing 322212 197.4 - 32.7 - 33.8 30.6 Fiber can, tube, drum, and similar products manufacturing 322214 48.0 - - - 15.3 - Nonfolding sanitary food container manufacturing 322215 98.9 - 13.1 - 41.8 10.9 Paper bag and coated and laminated paper manufacturing 322221 133.5 4.8 31.5 - 33.3 10.2 Coated and laminated paper manufacturing 322222 130.5 4.9 24.0 - 30.9 10.9 Uncoated paper and patistics film manufacturing 322221 135.6 - 25.0 - 32.6 14.8 Die-cut paper and patistic film manufacturing 32223 136.6 - 25.0 - 36.7 - Envelope manufacturing 322221 197.7 - 15.5 - 36.7 - Envelope manufacturing 322221 197.7 - 13.9 - 37.8 11.5		322211	115.9	-	12.7	-	19.4	12.8
products manufacturing 322214 48.0 - - - 15.3 - Nonfolding sanitary food container manufacturing 322215 98.9 - 13.1 - 41.8 10.9 Paper bag and coated and treated paper manufacturing 32221 133.5 4.8 31.5 - 33.3 10.2 Coated and laminated paper manufacturing 322221 128.6 11.6 46.3 - 33.6 - Coated and laminated paper manufacturing 322224 187.9 - 53.0 - 43.6 - Stationery product manufacturing 322231 19.7 - 15.5 - 36.7 - Envelope manufacturing 322231 19.7 - 15.5 - 36.7 - Envelope manufacturing 322231 19.7 - 15.5 - 22.2 Other converted paper product 322291 110.7 - 13.9 - 37.8 11.5 Sanitary paper product 322291 7	manufacturing	322212	197.4	-	32.7	-	33.8	30.6
manufacturing 322215 98.9 - 13.1 - 41.8 10.9 Paper bag and coated and treated paper manufacturing 32222 133.5 4.8 31.5 - 33.3 10.2 Coated and laminated paper manufacturing 322221 128.6 11.6 46.3 - 33.6 - Coated and laminated paper manufacturing 322222 130.5 4.9 24.0 - 30.9 10.9 Uncoated paper and patistics film manufacturing 322221 187.9 - 53.0 - 43.6 - Stationery product manufacturing 322231 195.7 - 15.5 - 36.7 - Envelope manufacturing 322231 199.7 - 15.5 - 36.7 - Envelope manufacturing 322232 164.3 - 28.4 - 31.5 22.2 Other converted paper product 322291 78.7 - 16.6 - 18.7 - Malfacturing 32211	products manufacturing	322214	48.0	-	-	-	15.3	-
manufacturing 32222 133.5 4.8 31.5 - 33.3 10.2 Coated and laminated packaging paper and plastics film 322221 128.6 11.6 46.3 - 33.6 - Coated and laminated paper manufacturing 322222 130.5 4.9 24.0 - 30.9 10.9 Uncoated paper and plastics film manufacturing 322221 135.6 - 25.0 - 32.6 14.8 Stationery product manufacturing 322231 135.6 - 25.0 - 32.6 14.8 Supplies manufacturing 322231 99.7 - 15.5 - 36.7 - Envelope manufacturing 322231 10.7 - 13.9 - 37.8 11.5 Sanitary paper product 322291 78.7 - 16.6 - 18.7 - All other converted paper product 322311 78.7 - 16.6 - 18.7 - Priniting and related support activities <td< td=""><td>manufacturing</td><td>322215</td><td>98.9</td><td>-</td><td>13.1</td><td>-</td><td>41.8</td><td>10.9</td></td<>	manufacturing	322215	98.9	-	13.1	-	41.8	10.9
manufacturing 322221 128.6 11.6 46.3 - 33.6 - Coated and laminated paper 322222 130.5 4.9 24.0 - 30.9 10.9 Uncoated paper and multiwall bag 322221 130.5 4.9 24.0 - 30.9 10.9 Stationery product manufacturing 32223 135.6 - 25.0 - 32.6 14.8 Die-cut paper and paperboard office 322231 99.7 - 15.5 - 36.7 - Envelope manufacturing 322232 164.3 - 28.4 - 31.5 22.2 Other converted paper product 32229 110.7 - 13.9 - 37.8 11.5 Sanitary paper product 322291 78.7 - 16.6 - 18.7 - All other converted paper product 32231 113.2 1.4 22.0 1.2 27.3 7.4 Printing and related support activities 3231 13.2	manufacturing Coated and laminated packaging	32222	133.5	4.8	31.5	-	33.3	10.2
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	manufacturing	322221	128.6	11.6	46.3	-	33.6	-
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	manufacturing	322222	130.5	4.9	24.0	-	30.9	10.9
Stationery product manufacturing 32223 135.6 - 25.0 - 32.6 14.8 Die-cut paper and paperboard office supplies manufacturing 322231 99.7 - 15.5 - 36.7 - Envelope manufacturing 322232 164.3 - 28.4 - 31.5 22.2 Other converted paper product 32229 110.7 - 13.9 - 37.8 11.5 Sanitary paper product 322291 78.7 - 16.6 - 18.7 - All other converted paper product 322299 173.5 - 8.5 - 75.2 25.8 Printing and related support activities 3231 113.2 1.4 22.0 1.2 27.3 7.4 Printing and related support activities 32311 115.0 1.5 28.5 1.1 30.9 8.0 Commercial lithographic printing 323112 192.3 - 35.6 - 16.4 - Commercial gravue printing		322224	187.9	_	53.0	_	43.6	_
supplies manufacturing 322231 99.7 - 15.5 - 36.7 - Envelope manufacturing 322232 164.3 - 28.4 - 31.5 22.2 Other converted paper product 32229 110.7 - 13.9 - 37.8 11.5 Sanitary paper product 322291 78.7 - 16.6 - 18.7 - All other converted paper product 322299 173.5 - 8.5 - 75.2 25.8 Printing and related support activities 323 113.2 1.4 22.0 1.2 27.3 7.4 Printing and related support activities 32311 15.0 1.5 23.5 1.3 27.2 7.1 Commercial lithographic printing 323110 143.2 1.5 28.5 1.1 30.9 8.0 Commercial lithographic printing 323112 192.3 - 14.6 - - 16.4 - - 16.4 - -	Stationery product manufacturing		135.6	_	25.0	-	32.6	14.8
Envelope manufacturing 322232 164.3 - 28.4 - 31.5 22.2 Other converted paper product 32229 110.7 - 13.9 - 37.8 11.5 Sanitary paper product 322291 78.7 - 16.6 - 18.7 - All other converted paper product 322299 173.5 - 8.5 - 75.2 25.8 Printing and related support activities 3231 113.2 1.4 22.0 1.2 27.3 7.4 Printing and related support activities 32311 115.0 1.5 23.5 1.3 27.2 7.1 Commercial lithographic printing 323111 16.0 - 9.2 - 14.6 - Commercial gravure printing 323112 192.3 - 35.6 - 66.7 16.4 Commercial lexcographic printing 323113 102.3 - 24.2 - 19.0 15.9 Quick printing 323117 68.0 <td></td> <td>322231</td> <td>99.7</td> <td>-</td> <td>15.5</td> <td>-</td> <td>36.7</td> <td>-</td>		322231	99.7	-	15.5	-	36.7	-
Sanitary paper product manufacturing 322291 78.7 - 16.6 - 18.7 - All other converted paper product 322299 173.5 - 8.5 - 75.2 25.8 Printing and related support activities 323 113.2 1.4 22.0 1.2 27.3 7.4 Printing and related support activities 3231 113.2 1.4 22.0 1.2 27.3 7.4 Printing 32311 115.0 1.5 23.5 1.3 27.2 7.1 Commercial gravure printing 323111 56.0 - 9.2 - 14.6 - Commercial gravure printing 323112 192.3 - 35.6 - 66.7 16.4 Commercial screen printing 323113 102.3 - 24.2 - 19.0 15.9 Quick printing 323117 68.0 - 16.6 - 12.5 5.4 Blankbook, looseleaf binders, and - 323117 <	Envelope manufacturing	322232	164.3	_	28.4	-	31.5	22.2
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		32229	110.7	-	13.9	-	37.8	11.5
Printing and related support activities 323 113.2 1.4 22.0 1.2 27.3 7.4 Printing and related support activities 3231 113.2 1.4 22.0 1.2 27.3 7.4 Printing 32311 115.0 1.5 23.5 1.3 27.2 7.1 Commercial lithographic printing 323110 143.2 1.5 28.5 1.1 30.9 8.0 Commercial gravure printing 323112 192.3 - 35.6 - 66.7 16.4 Commercial screen printing 323113 102.3 - 24.2 - 19.0 15.9 Quick printing 323115 47.7 - - - 15.4 - Digital printing 323117 68.0 - 16.6 - 12.5 5.4 Blankbook, looseleaf binders, and 323118 50.9 - 16.2 - 26.6 - Other commercial printing 323119 118.9 - 27.7 - 43.4 - Support activities for printing <td< td=""><td>manufacturing</td><td>322291</td><td>78.7</td><td>-</td><td>16.6</td><td>-</td><td>18.7</td><td>-</td></td<>	manufacturing	322291	78.7	-	16.6	-	18.7	-
Printing and related support activities 3231 113.2 1.4 22.0 1.2 27.3 7.4 Printing 32311 115.0 1.5 23.5 1.3 27.2 7.1 Commercial lithographic printing 323110 143.2 1.5 28.5 1.1 30.9 8.0 Commercial gravure printing 323111 56.0 - 9.2 - 14.6 - Commercial flexographic printing 323112 192.3 - 35.6 - 66.7 16.4 Commercial screen printing 323113 102.3 - 24.2 - 19.0 15.9 Quick printing 323115 47.7 - - - 15.4 - Digital printing 323117 68.0 - 16.6 - 12.5 5.4 Blankbook, looseleaf binders, and 323118 50.9 - 16.2 - 26.6 - Other commercial printing 32312 118.9 - 27.7 - 43.4 - Support activities for printing 32312	manufacturing	322299	173.5	-	8.5	-	75.2	25.8
Printing 32311 115.0 1.5 23.5 1.3 27.2 7.1 Commercial lithographic printing 323110 143.2 1.5 28.5 1.1 30.9 8.0 Commercial gravure printing 323111 56.0 - 9.2 - 14.6 - Commercial flexographic printing 323112 192.3 - 35.6 - 66.7 16.4 Commercial screen printing 323113 102.3 - 24.2 - 19.0 15.9 Quick printing 323115 47.7 - - - 15.4 - Biankbook, looseleaf binders, and 323117 68.0 - 16.6 - 12.5 5.4 Support activities for printing 323119 118.9 - 27.7 - 43.4 - Support activities for printing 32312 92.0 - 4.7 - 29.2 10.5 Tradebinding and related work 323121 119.7 - 8.9 - 40.0 - Prepress services 323122		323	113.2	1.4	22.0	1.2	27.3	7.4
Commercial lithographic printing 323110 143.2 1.5 28.5 1.1 30.9 8.0 Commercial gravure printing 323111 56.0 - 9.2 - 14.6 - Commercial flexographic printing 323112 192.3 - 35.6 - 66.7 16.4 Commercial screen printing 323113 102.3 - 24.2 - 19.0 15.9 Quick printing 323115 47.7 - - - 15.4 - Books printing 323117 68.0 - 16.6 - 12.5 5.4 Blankbook, looseleaf binders, and 323118 50.9 - 16.2 - 26.6 - Other commercial printing 32312 92.0 - 4.7 - 29.2 10.5 Tradebinding and related work 32312 92.0 - 4.7 - 29.2 10.5 Tradebinding and related work 32312 92.0 - 4.7								
Commercial gravure printing 323111 56.0 - 9.2 - 14.6 - Commercial flexographic printing 323112 192.3 - 35.6 - 66.7 16.4 Commercial screen printing 323113 102.3 - 24.2 - 19.0 15.9 Quick printing 323114 39.3 - 3.6 3.6 5.3 - Digital printing 323115 47.7 - - - 15.4 - Books printing 323117 68.0 - 16.6 - 12.5 5.4 Blankbook, looseleaf binders, and - 323118 50.9 - 16.2 - 26.6 - Other commercial printing 323119 118.9 - 27.7 - 43.4 - Support activities for printing 32312 92.0 - 4.7 - 29.2 10.5 Tradebinding and related work 323121 119.7 - 8.9				-		-	1	
Commercial flexographic printing 323112 192.3 - 35.6 - 66.7 16.4 Commercial screen printing 323113 102.3 - 24.2 - 19.0 15.9 Quick printing 323114 39.3 - 3.6 3.6 5.3 - Digital printing 323115 47.7 - - - 15.4 - Books printing 323117 68.0 - 16.6 - 12.5 5.4 Blankbook, looseleaf binders, and 323118 50.9 - 16.2 - 26.6 - Other commercial printing 32312 118.9 - 27.7 - 43.4 - Support activities for printing 32312 92.0 - 4.7 - 29.2 10.5 Tradebinding and related work 323121 119.7 - 8.9 - 40.0 - Prepress services 323122 69.8 - - 20.6 <t< td=""><td></td><td></td><td>-</td><td>1.5</td><td></td><td>1.1</td><td></td><td>8.0</td></t<>			-	1.5		1.1		8.0
Commercial screen printing 323113 102.3 - 24.2 - 19.0 15.9 Quick printing 323114 39.3 - 3.6 3.6 5.3 - Digital printing 323115 47.7 - - - 15.4 - Books printing 323117 68.0 - 16.6 - 12.5 5.4 Blankbook, looseleaf binders, and 323118 50.9 - 16.2 - 26.6 - Other commercial printing 32312 32312 92.0 - 4.7 - 29.2 10.5 Tradebinding and related work 323121 119.7 - 8.9 - 40.0 - Prepress services 323122 69.8 - - - 20.6 15.1				-		-	14.6	-
Quick printing 323114 39.3 - 3.6 3.6 5.3 - Digital printing 323115 47.7 - - - 15.4 - Books printing 323117 68.0 - 16.6 - 12.5 5.4 Blankbook, looseleaf binders, and devices manufacturing 323118 50.9 - 16.2 - 26.6 - Other commercial printing 32312 118.9 - 27.7 - 43.4 - Support activities for printing 32312 92.0 - 4.7 - 29.2 10.5 Tradebinding and related work 323121 119.7 - 8.9 - 40.0 - Prepress services 323122 69.8 - - - 20.6 15.1				-		-		-
Digital printing 323115 47.7 - - - 15.4 - Books printing 323117 68.0 - 16.6 - 12.5 5.4 Blankbook, looseleaf binders, and devices manufacturing 323118 50.9 - 16.2 - 26.6 - Other commercial printing 32312 118.9 - 27.7 - 43.4 - Support activities for printing 32312 92.0 - 4.7 - 29.2 10.5 Tradebinding and related work 323122 69.8 - - - 20.6 15.1						-		
Books printing 323117 68.0 - 16.6 - 12.5 5.4 Blankbook, looseleaf binders, and devices manufacturing 323118 50.9 - 16.2 - 26.6 - Other commercial printing 323119 118.9 - 27.7 - 43.4 - Support activities for printing 32312 92.0 - 4.7 - 29.2 10.5 Tradebinding and related work 323121 119.7 - 8.9 - 40.0 - Prepress services 323122 69.8 - - - 20.6 15.1	Quick printing			-	3.6	3.6	1	-
Blankbook, looseleaf binders, and 323118 50.9 - 16.2 - 26.6 - Other commercial printing 323119 118.9 - 27.7 - 43.4 - Support activities for printing 32312 92.0 - 4.7 - 29.2 10.5 Tradebinding and related work 323122 69.8 - - - 20.6 15.1				-	-	-	-	
Other commercial printing 323119 118.9 - 27.7 - 43.4 - Support activities for printing 32312 92.0 - 4.7 - 29.2 10.5 Tradebinding and related work 323121 119.7 - 8.9 - 40.0 - Prepress services 323122 69.8 - - 20.6 15.1	Blankbook, looseleaf binders, and			-		-		5.4
Support activities for printing 32312 92.0 - 4.7 - 29.2 10.5 Tradebinding and related work 323121 119.7 - 8.9 - 40.0 - Prepress services 323122 69.8 - - 20.6 15.1				-	-	-		-
Tradebinding and related work 323121 119.7 - 8.9 - 40.0 - Prepress services 323122 69.8 - - 20.6 15.1								_
Prepress services	Support activities for printing					-	-	10.5
			-	-	8.9	-		_
					-	-		
	Petroleum and coal products manufacturing	324	101.1	7.7	10.0	-	8.6	13.7

			Source of injur	y or illness ⁵	-	
Industry ³	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶
Converted paper product manufacturing	24.9	15.1	5.8	7.6	_	9.1
Paperboard container manufacturing Corrugated and solid fiber box	26.3	16.6	6.6	11.0	_	11.2
manufacturing Folding paperboard box	18.3	15.2	6.7	14.9	_	15.4
Fiber can, tube, drum, and similar	64.0	19.8	-	7.6	-	-
products manufacturing Nonfolding sanitary food container	-	-	16.5	-	-	-
manufacturing Paper bag and coated and treated paper	-	-	-	_	_	-
Coated and laminated packaging paper and plastics film	21.4	15.8	4.5	3.4	_	8.3
manufacturing Coated and laminated paper	-	18.7	-	-	-	-
manufacturing Uncoated paper and multiwall bag	29.1	11.9	-	5.9	-	8.3
manufacturing	32.4	34.5	_	_	_	-
Stationery product manufacturing Die-cut paper and paperboard office	34.1	13.6	-	-	-	6.5
supplies manufacturing	-	-	-	-	-	-
Envelope manufacturing Other converted paper product	54.8	14.2	-	-	_	-
manufacturing Sanitary paper product	19.4	9.4	5.6	5.9	-	4.2
manufacturing All other converted paper product	12.4	10.2	-	-	_	-
manufacturing	33.0	-	9.0	9.2	-	-
Printing and related support activities	17.1	11.7	7.0	6.8	-	11.1
Printing and related support activities	17.1	11.7	7.0	6.8	-	11.1
Printing	17.5	12.0	7.4	6.7	-	10.6
Commercial lithographic printing	24.2	15.1	14.7	6.1	-	13.0
Commercial gravure printing	-	11.8	-	-	-	-
Commercial flexographic printing	11.5	26.9	5.0	16.6	-	12.5
Commercial screen printing	20.5	7.0	-	2.4	-	7.9
Quick printing	5.2	-	-	17.1	-	-
Digital printing	_	12.0	-	-	-	-
Books printing Blankbook, looseleaf binders, and	13.6	8.5	-	-	_	7.0
devices manufacturing	_	-	-			
Other commercial printing	11.2	12.1	-		-	14.4
Support activities for printing	13.2	8.6	-	7.1	-	16.9
Tradebinding and related work	27.8	-	-	10.8	-	21.2
Prepress services	_	13.6		_	-	13.5
Petroleum and coal products manufacturing	11.7	14.1	4.7	11.2	-	19.2

				Sour	ce of injury or	illness ⁵	
Industry ³	NAICS code ⁴	Total cases	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials
Petroleum and coal products							
manufacturing	3241	101.1	7.7	10.0	-	8.6	13.7
Petroleum refineries	32411	44.7	-	-	-	-	6.7
Asphalt paving, roofing, and saturated							
materials manufacturing	32412	152.4	-	5.8	-	20.5	33.4
Asphalt paving mixture and block	004404	400.0				10.4	40.7
manufacturing	324121	188.9	-	-	-	13.1	48.7
Asphalt shingle and coating materials manufacturing	324122	119.9				27.2	19.8
Other petroleum and coal products	324122	119.9	_	_	-	21.2	19.0
manufacturing	32419	277.2	52.5	58.8	_	23.5	_
Chemical manufacturing	325	82.7	8.4	17.5	1.2	6.3	4.2
Basic chemical manufacturing	3251	72.7	12.8	12.8	2.2	2.8	2.7
Petrochemical manufacturing	32511	17.2	_	-	_	_	_
Industrial gas manufacturing	32512	89.8	_	37.3	_	_	_
Synthetic dye and pigment	02012	0010		0.10			
manufacturing	32513	166.5	51.0	21.9	-	10.8	-
Inorganic dye and pigment							
manufacturing	325131	211.4	71.6	-	-	_	-
Synthetic organic dye and pigment							
manufacturing	325132	103.6	22.2	-	-	-	-
Other basic inorganic chemical							
manufacturing	32518	76.0	19.9	8.5	-	-	-
Alkalies and chlorine manufacturing	325181	97.5	-	-	-	-	-
All other basic inorganic chemical							
manufacturing	325188	73.1	23.0	9.2	-	-	-
Other basic organic chemical							
manufacturing	32519	58.4	4.6	8.3	-	-	4.8
Gum and wood chemical	005404	04.0					
manufacturing	325191	94.0 71.5	-	-	-	-	-
Ethyl alcohol manufacturing All other basic organic chemical	325193	71.5	_	-	-	-	—
manufacturing	325199	54.8	5.1	9.9			
Resin, synthetic rubber, and artificial and	323199	54.0	5.1	9.9	-	_	-
synthetic fibers and filaments							
manufacturing	3252	94.7	8.4	8.7	_	5.8	5.5
Resin and synthetic rubber	5252	54.7	0.4	0.7		5.0	0.0
manufacturing	32521	102.4	10.9	8.4	_	4.1	6.6
Plastics material and resin	0202.			0.1			0.0
manufacturing	325211	56.6	13.4	-	_	_	6.0
Synthetic rubber manufacturing	325212	287.5	_	32.8	_	_	_
Artificial and synthetic fibers and							
filaments manufacturing	32522	77.4	_	9.5	_	9.8	_
Cellulosic organic fiber							
manufacturing	325221	43.4	-	-	-	–	-
Noncellulosic organic fiber							
manufacturing	325222	91.2	-	10.8	-	8.1	-

			Source of injur	y or illness ⁵		
Industry ³	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶
Petroleum and coal products						
manufacturing	11.7	14.1	4.7	11.2	_	19.2
Petroleum refineries	6.6	8.3	-	2.2	_	16.3
Asphalt paving, roofing, and saturated	0.0	0.0		_		10.0
materials manufacturing	18.6	18.0	6.5	31.9	_	17.5
Asphalt paving mixture and block			0.0	0110		
manufacturing	_	20.0	_	62.1	_	24.3
Asphalt shingle and coating materials						
manufacturing	25.5	16.2	_	_	_	11.4
Other petroleum and coal products						
manufacturing	23.5	34.5	20.8	_	_	36.7
Chemical manufacturing	13.0	12.7	2.7	6.4	-	10.3
Basic chemical manufacturing	8.6	11.3	3.1	2.1	_	14.2
Petrochemical manufacturing	6.7	_	_	_	_	_
Industrial gas manufacturing	_	_	_	_	_	_
Synthetic dye and pigment						
manufacturing	_	_	_	_	_	40.9
Inorganic dye and pigment						
manufacturing	_	_	_	_	_	65.3
Synthetic organic dye and pigment						
manufacturing	_	_	_	_	_	_
Other basic inorganic chemical						
manufacturing	17.4	12.0	_	3.5	_	6.9
Alkalies and chlorine manufacturing	34.4	18.6	-	_	-	_
All other basic inorganic chemical						
manufacturing	14.0	11.1	-	-	-	5.8
Other basic organic chemical						
manufacturing	5.3	19.1	-	-	_	8.2
Gum and wood chemical						
manufacturing	-	-	-	-	-	-
Ethyl alcohol manufacturing	-	-	-	-	-	-
All other basic organic chemical						
manufacturing	6.3	18.7	-	-	-	5.5
Resin, synthetic rubber, and artificial and						
synthetic fibers and filaments						
manufacturing	20.8	12.6	3.1	21.0	-	8.7
Resin and synthetic rubber						
manufacturing	16.2	15.5	-	29.9	-	9.1
Plastics material and resin						
manufacturing	5.9	15.1	-	-	-	9.8
Synthetic rubber manufacturing	57.6	-	-	142.3	-	-
Artificial and synthetic fibers and						
filaments manufacturing	31.1	6.1	6.1	-	-	7.9
Cellulosic organic fiber						
manufacturing	-	-	-	-	-	-
Noncellulosic organic fiber	44 -		~-			
manufacturing	41.5	6.9	8.5	—	-	8.6
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				Sour	ce of injury or	illness ⁵	
Industry ³	NAICS code ⁴	Total cases	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials
Pesticide, fertilizer, and other agricultural							
chemical manufacturing	3253	83.9	8.3	23.9	-	8.0	5.5
Fertilizer manufacturing	32531	106.3	-	32.0	-	12.7	8.6
Nitrogenous fertilizer manufacturing	325311	78.7	-	-	-	32.9	_
Pesticide and other agricultural chemical							
manufacturing	32532	45.2	18.7	-	-	-	-
Pharmaceutical and medicine							
manufacturing	3254	69.6	6.2	17.5	1.2	4.1	4.4
Pharmaceutical and medicine							
manufacturing	32541	69.6	6.2	17.5	1.2	4.1	4.4
Medicinal and botanical							
manufacturing	325411	88.5	18.0	20.3	-	-	12.4
Pharmaceutical preparation							
manufacturing	325412	69.4	5.8	18.1	.9	4.7	2.6
In-vitro diagnostic substance							
manufacturing	325413	35.1	-	-	-	-	-
Biological product (except diagnostic)							
manufacturing	325414	75.2	-	15.9	-	-	16.1
Paint, coating, and adhesive							
manufacturing	3255	75.4	9.6	22.6	-	7.2	-
Paint and coating manufacturing	32551	75.5	9.3	22.5	-	6.8	-
Adhesive manufacturing	32552	75.3	10.3	22.9	-	8.1	-
Soap, cleaning compound, and toilet							
preparation manufacturing	3256	80.1	7.9	15.6	1.8	8.5	1.8
Soap and cleaning compound	00504			47 5			
manufacturing	32561	96.6	14.6	17.5	-	7.7	-
Polish and other sanitation good	005040	400 7	00.0	40.0			
manufacturing	325612	103.7	20.9	18.6	-	-	-
Surface active agent manufacturing	325613	159.6	-	-	_	-	-
Toilet preparation manufacturing Other chemical product and preparation	32562	63.9	-	13.8	2.8	9.3	-
manufacturing	3259	133.0	7.8	31.1		15.8	8.6
Printing ink manufacturing	32591	133.0	1.0	51.1	-	22.5	0.0
Explosives manufacturing	32592	51.6	_	_	-	22.5	_
All other chemical product and	32392	51.0	_	_	-	_	-
preparation manufacturing	32599	141.9	9.4	36.5	_	15.6	8.3
Custom compounding of purchased	52555	141.5	5.4	50.5		15.0	0.5
resins	325991	197.0	9.9	40.4	_	25.4	10.9
Photographic film, paper, plate, and	525551	197.0	3.5	40.4		23.4	10.5
chemical manufacturing	325992	133.1	_	21.0	_	13.8	16.8
All other miscellaneous chemical	525552	100.1		21.0		10.0	10.0
product and preparation							
manufacturing	325998	110.6	11.1	44.1	_	10.3	_
Plastics and rubber products manufacturing	326	171.8	4.0	27.1	3.9	32.1	21.2
Plastics product manufacturing	3261	172.4	4.5	27.2	3.7	34.2	16.3
Unsupported plastics film, sheet, and	0201	112.7	0.7	27.2	0.1		10.0
bag manufacturing	32611	195.6	7.3	34.0	_	62.7	13.7

			Source of injur	y or illness ⁵		
Industry ³	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶
Pesticide, fertilizer, and other agricultural						
chemical manufacturing	14.2	6.3	3.7	6.6	_	7.4
Fertilizer manufacturing	19.3	8.0	5.8	9.4	_	8.1
Nitrogenous fertilizer manufacturing	_	_	_	_	_	_
Pesticide and other agricultural chemical						
manufacturing	_	_	_	_	_	_
Pharmaceutical and medicine						
manufacturing	11.9	11.2	1.8	4.0	_	7.4
Pharmaceutical and medicine	-		_	-		
manufacturing	11.9	11.2	1.8	4.0	_	7.4
Medicinal and botanical	-		_	-		
manufacturing	11.5	8.3	_	-	_	11.7
Pharmaceutical preparation						
manufacturing	12.1	11.9	2.1	4.7	_	6.5
In-vitro diagnostic substance						
manufacturing	13.6	_	_	-	_	_
Biological product (except diagnostic)						
manufacturing	9.1	12.2	-	-	_	11.5
Paint, coating, and adhesive						_
manufacturing	7.0	12.8	_	3.7	-	9.7
Paint and coating manufacturing	8.1	15.2	_	5.0	_	7.4
Adhesive manufacturing	_	8.5	_	_	-	13.8
Soap, cleaning compound, and toilet						
preparation manufacturing	11.2	14.3	3.9	2.4	-	12.8
Soap and cleaning compound		-				_
manufacturing	13.7	16.7	_	3.3	_	18.2
Polish and other sanitation good		-				_
manufacturing	8.1	26.6	_	_	_	17.3
Surface active agent manufacturing	-	_	-	-	_	_
Toilet preparation manufacturing	8.6	12.0	5.9	-	-	7.5
Other chemical product and preparation						
manufacturing	20.3	20.2	4.2	10.6	_	13.4
Printing ink manufacturing	-	36.1	-	-	-	-
Explosives manufacturing	-	_	-	-	-	-
All other chemical product and						
preparation manufacturing	24.2	18.6	5.2	9.6	-	14.2
Custom compounding of purchased						
resins	45.0	13.4	13.9	15.8	-	22.0
Photographic film, paper, plate, and						
chemical manufacturing	35.2	19.5	-	10.7	-	9.9
All other miscellaneous chemical						
product and preparation						
manufacturing	-	21.5	-	4.8		11.7
Plastics and rubber products manufacturing	31.2	19.4	11.5	6.8	-	14.5
Plastics product manufacturing	32.2	20.6	12.4	5.4	-	15.9
Unsupported plastics film, sheet, and						
bag manufacturing	21.1	23.1	9.5	-	-	21.0
-						

				Sour	ce of injury or	illness ⁵	
Industry ³	NAICS code ⁴	Total cases	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials
Unsupported plastics bag							
manufacturing Unsupported plastics film and sheet	326111	121.9	-	27.5	-	38.8	-
(except packaging) manufacturing Plastics pipe, pipe fitting, and	326113	255.1	12.5	42.0	-	72.1	22.7
unsupported profile shape manufacturing	32612	118.3	_	14.3	_	24.5	11.0
Unsupported plastics profile shape manufacturing	326121	86.4	-	14.4	-	13.0	-
Plastics pipe and pipe fitting manufacturing Polystyrene foam product	326122	148.3	-	14.2	-	35.3	17.4
manufacturing Urethane and other foam product	32614	198.4	-	40.3	-	36.2	-
(except polystyrene) manufacturing	32615	151.4	24.5	18.6	_	20.9	13.8
Plastics bottle manufacturing	32616	170.7	_	41.3	_	32.6	8.5
Other plastics product manufacturing Plastics plumbing fixture	32619	174.7	3.3	26.0	5.1	30.5	18.5
manufacturing Resilient floor covering	326191	173.3	_	8.7	17.2	17.8	28.8
manufacturing All other plastics product	326192	398.2	_	131.3	-	-	_
manufacturing	326199	170.9	3.6	25.4	4.3	31.4	16.8
Rubber product manufacturing	3262	169.4	2.3	26.8	4.7	24.4	39.2
Tire manufacturing	32621	154.4	_	12.7	5.3	17.7	51.9
Tire manufacturing (except retreading)	326211	164.0	_	14.0	5.8	20.0	51.0
Rubber and plastics hoses and belting							
manufacturing	32622	218.1	-	45.1	7.2	36.6	33.7
Other rubber product manufacturing Rubber product manufacturing for	32629	164.4	4.3	32.7	3.2	25.9	29.6
mechanical use All other rubber product	326291	160.0	4.2	29.1	3.6	21.7	29.7
manufacturing Nonmetallic mineral product manufacturing	326299 327	171.1 252.2	7.0	38.3 17.1	_ 6.8	32.3 24.1	29.4 54.8
Clay product and refractory manufacturing	3271	254.3	2.6	20.4	5.2	36.5	66.9
Pottery, ceramics, and plumbing fixture	5271	204.0	2.0	20.4	0.2	50.5	00.0
manufacturing Vitreous china, fine earthenware, and	32711	154.1	-	12.4	6.6	34.7	15.1
other pottery product manufacturing	327112	130.4	-	_	-	18.2	-
Clay building material and refractories manufacturing Brick and structural clay tile	32712	321.9	4.4	25.8	4.3	37.7	101.8
manufacturing	327121	125.7	_	11.1	_	_	47.6
Clay refractory manufacturing	327124	511.4	-	-	-	-	143.6

			Source of injur	y or illness ⁵		
Industry ³	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶
Unsupported plastics bag						
manufacturing	9.5	13.1	_	_	_	24.9
Unsupported plastics film and sheet						
(except packaging) manufacturing Plastics pipe, pipe fitting, and	30.6	33.1	16.2	-	-	22.7
unsupported profile shape						
manufacturing	26.1	16.0	8.9	5.5	-	10.1
Unsupported plastics profile shape						
manufacturing	28.2	9.9	6.0	-	-	7.6
Plastics pipe and pipe fitting manufacturing	24.1	21.8	11.6	8.9		12.4
Polystyrene foam product	24.1	21.0	11.0	0.9	_	12.4
manufacturing	_	_	_	_	_	_
Urethane and other foam product						
(except polystyrene) manufacturing	35.9	17.7	6.6	_	_	9.2
Plastics bottle manufacturing	47.8	28.2	-	-	_	8.5
Other plastics product manufacturing Plastics plumbing fixture	35.7	18.7	14.9	5.2	_	16.9
manufacturing	34.6	24.4	18.9	-	-	19.7
Resilient floor covering manufacturing	159.9					
All other plastics product	159.9	_	-	_	_	_
manufacturing	33.5	18.5	14.8	5.5	_	16.9
Rubber product manufacturing	27.7	14.8	8.0	12.1	_	9.4
Tire manufacturing	28.0	9.2	4.5	17.2	_	7.3
Tire manufacturing (except						
retreading)	31.4	10.2	4.9	19.4	-	6.7
Rubber and plastics hoses and belting						
manufacturing	30.7	18.0	17.6	16.5	-	11.0
Other rubber product manufacturing Rubber product manufacturing for	26.3	18.9	7.4	5.5	_	10.6
mechanical use	29.7	20.9	9.4	6.6	_	5.3
All other rubber product	25.7	20.5	5.4	0.0		5.5
manufacturing	21.1	15.8	_	_	_	18.8
Nonmetallic mineral product manufacturing	35.5	37.2	13.2	26.6	_	30.0
Clay product and refractory						
manufacturing	46.6	27.5	13.6	11.1	-	23.7
Pottery, ceramics, and plumbing fixture						
manufacturing	35.8	20.3	-	11.3	-	12.9
Vitreous china, fine earthenware, and other pottery product						
manufacturing	35.8	35.1				
Clay building material and refractories	55.0	33.1	_	_	_	-
manufacturing	53.9	32.4	19.5	11.0	_	31.0
Brick and structural clay tile	00.0					
manufacturing	16.0	13.8	_	12.0	_	10.6
Clay refractory manufacturing	107.3	-	79.1	-	-	102.3
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				Sour	ce of injury or	illness ⁵	
Industry ³	NAICS code ⁴	Total cases	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials
Glass and glass product manufacturing Glass and glass product	3272	180.7	3.1	14.9	7.4	11.4	60.1
manufacturing Flat glass manufacturing Other pressed and blown glass and	32721 327211	180.7 246.5	3.1	14.9 20.2	7.4 -	11.4 -	60.1 93.1
glassware manufacturing Glass container manufacturing Cement and concrete product	327212 327213	109.6 200.5	6.4 _	13.3 34.3		9.7 26.7	9.7 24.3
manufacturing Ready-mix concrete manufacturing Concrete pipe, brick, and block	3273 32732	298.5 320.9	6.7 7.3	15.5 17.4	1.5 1.7	29.5 29.1	57.3 30.7
manufacturing Concrete block and brick	32733	347.5	-	12.0	-	43.8	131.5
manufacturing Concrete pipe manufacturing Other concrete product manufacturing	327331 327332 32739	402.4 236.5 288.3	- - 6.7	14.6 - 16.6	- - 2.3	59.7 - 26.5	140.5 113.2 81.1
Lime and gypsum product manufacturing Gypsum product manufacturing Other nonmetallic mineral product	3274 32742	38.9 48.8			-	7.8 10.1	
Manufacturing Abrasive product manufacturing All other nonmetallic mineral product	3279 32791	262.6 182.3	19.4 _	25.9 23.9	26.5 -	19.2 56.2	44.4 _
manufacturing Cut stone and stone product	32799	277.6	18.9	26.3	31.2	12.3	51.9
manufacturing Mineral wool manufacturing All other miscellaneous nonmetallic	327991 327993	411.7 133.0	_ 18.9	18.0 28.5	76.9 -	16.6 17.0	80.2 13.3
mineral product manufacturing Primary metal manufacturing Iron and steel mills and ferroalloy	327999 331	268.0 216.0	60.7 3.3	33.7 22.1	_ 2.8	_ 27.6	59.1 56.8
manufacturing Iron and steel mills and ferroalloy	3311	143.3	2.4	9.6	-	15.9	43.2
manufacturing Iron and steel mills Steel product manufacturing from	33111 331111	143.3 140.7	2.4 2.5	9.6 8.9	-	15.9 14.9	43.2 43.0
purchased steel Iron and steel pipe and tube	3312	227.3	4.5	22.5	-	29.9	65.9
manufacturing from purchased steel Rolling and drawing of purchased	33121	244.4	-	15.5	-	32.6	69.8
steel Rolled steel shape manufacturing Steel wire drawing	33122 331221 331222	213.4 190.0 274.2	4.7	28.1 24.7 37.0		27.6 18.3 51.8	62.8 63.6 60.7
Alumina and aluminum production and processing	3313	171.1	4.6	30.7	4.4	12.8	46.7
Alumina and aluminum production and processing	33131	171.1	4.6	30.7	4.4	12.8	46.7
Primary aluminum production	331312	138.6	16.5	-	-	11.4	30.1

			Source of injur	y or illness ⁵		
Industry ³	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶
Glass and glass product manufacturing Glass and glass product	30.6	14.8	14.9	9.9	-	13.6
manufacturing	30.6	14.8	14.9	9.9	_	13.6
Flat glass manufacturing Other pressed and blown glass and	40.9	15.3	48.5	-	-	13.3
glassware manufacturing	33.5	10.6	_	13.2	_	12.7
Glass container manufacturing	33.3	33.1	_	-	_	32.5
Cement and concrete product	00.0	00.1				02.0
manufacturing	41.8	53.2	8.5	45.1	_	39.4
Ready-mix concrete manufacturing	52.6	76.4	5.1	73.1	_	27.4
Concrete pipe, brick, and block	02.0	10.1	0.1	10.1		2
manufacturing	24.3	28.3	17.9	19.3	_	66.8
Concrete block and brick			_			
manufacturing	24.2	26.4	21.7	24.4	-	86.3
Concrete pipe manufacturing	24.7	32.1	_	-	-	27.3
Other concrete product manufacturing	41.4	32.7	9.4	19.2	-	52.3
Lime and gypsum product manufacturing	-	-	_	-	-	_
Gypsum product manufacturing	-	-	_	_	-	-
Other nonmetallic mineral product						
manufacturing	20.9	33.2	29.7	8.8	-	34.5
Abrasive product manufacturing	18.3	-	49.5	_	-	-
All other nonmetallic mineral product						
manufacturing Cut stone and stone product	21.4	39.4	26.0	9.9	-	40.2
manufacturing	20.5	60.8	47.1	_	_	80.0
Mineral wool manufacturing	16.6	23.2	47.1			00.0
All other miscellaneous nonmetallic	10.0					
mineral product manufacturing	-	34.4	-	-	-	28.7
Primary metal manufacturing	34.5	18.8	11.1	8.5	-	30.5
Iron and steel mills and ferroalloy						
manufacturing	23.2	18.0	8.3	4.4	-	17.1
Iron and steel mills and ferroalloy	00.0	10.0				474
manufacturing	23.2	18.0	8.3	4.4	-	17.1
Iron and steel mills	22.9	18.6	8.5	3.1	-	17.1
Steel product manufacturing from	00.0	05.0	44.5			07.5
purchased steel	33.8	25.3	11.5	5.0	-	27.5
Iron and steel pipe and tube manufacturing from purchased steel	41.2	27.1	10.6	-	-	37.0
Rolling and drawing of purchased						
steel	27.7	23.9	12.2	4.9	-	19.9
Rolled steel shape manufacturing	13.9	28.7	12.5	-	-	18.2
Steel wire drawing	63.6	-	-	-	-	24.2
Alumina and aluminum production and processing	31.8	9.8	6.4	10.6	_	13.5
Alumina and aluminum production and						
processing	31.8	9.8	6.4	10.6	-	13.5
Primary aluminum production	23.4	11.7	-	-	-	25.9
	-					

				Sour	ce of injury or	illness ⁵	
Industry ³	NAICS code ⁴	Total cases	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials
Secondary smelting and alloying of							
aluminum Aluminum sheet, plate, and foil	331314	147.2	-	-	-	-	73.5
Manufacturing Aluminum extruded product	331315	89.7	-	-	-	-	28.4
manufacturing	331316	264.8	_	67.2	9.5	21.1	73.2
Other aluminum rolling and drawing Nonferrous metal (except aluminum)	331319	140.6	-	25.0	-	-	-
production and processing Nonferrous metal (except aluminum)	3314	185.3	3.3	37.4	-	22.9	36.3
smelting and refining Primary smelting and refining of	33141	62.9	-	-	-	-	-
copper Primary smelting and refining of nonferrous metal (except copper and	331411	110.8	-	-	-	-	-
aluminum) Copper rolling, drawing, extruding, and	331419	50.3	-	-	-	-	-
alloying Copper rolling, drawing, and	33142	249.9	-	53.6	-	31.5	51.6
extruding Copper wire (except mechanical)	331421	322.9	-	38.2	-	39.3	66.2
drawing Nonferrous metal (except copper and aluminum) rolling, drawing, extruding,	331422	208.0	-	67.9	-	27.3	44.7
and alloying	33149	131.2	-	24.8	-	17.5	23.5
extruding	331491	88.7	-	28.9	-	_	14.8
Foundries	3315	289.5	2.9	19.2	4.5	42.5	75.1
Ferrous metal foundries	33151	269.6	2.2	22.6	2.7	46.1	63.1
Iron foundries	331511	299.1	2.7	24.2	-	55.9	66.8
Steel foundries (except investment)	331513	186.3	-	11.1	-	29.5	59.3
Nonferrous metal foundries	33152	316.6	3.8	14.5	6.9	37.7	91.3
Aluminum die-casting foundries Nonferrous (except aluminum)	331521	230.6	-	11.0	-	27.2	46.3
die-casting foundries Aluminum foundries (except	331522	124.7	-	_	-	19.2	_
die-casting)	331524	518.6	-	16.2	17.7	33.3	200.6
bricated metal product manufacturing	332	192.9	3.1	16.4	5.1	25.6	50.3
Forging and stamping	3321	192.8	1.7	13.6	5.8	35.9	53.5
Forging and stamping	33211	192.8	1.7	13.6	5.8	35.9	53.5
Iron and steel forging	332111	205.7	-	8.1	-	21.9	58.8
Nonferrous forging	332112	115.9	-	-	-	20.2	25.8
Custom roll forming	332114	101.2	-	-	-	-	42.9
Metal stamping Powder metallurgy part	332116	193.0	-	15.9	9.1	51.6	49.8
manufacturing	332117	265.9		32.0	-	-	76.5

	Source of injury or illness ⁵										
Industry ³	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶					
Secondary smelting and alloying of											
aluminum	-	-	-	22.9	-	25.6					
Aluminum sheet, plate, and foil	40.0			10.0							
manufacturing Aluminum extruded product	18.3	_	_	10.6	_	_					
manufacturing	52.0	10.6	9.6	9.8	_	9.4					
Other aluminum rolling and drawing	37.1	_	_	_	-	_					
Nonferrous metal (except aluminum)											
production and processing	30.2	20.8	9.0	6.6	-	18.0					
Nonferrous metal (except aluminum) smelting and refining	_	28.6	_	_	_	_					
Primary smelting and refining of		20.0									
copper	-	-	-	-	-	-					
Primary smelting and refining of											
nonferrous metal (except copper and		20.0									
aluminum) Copper rolling, drawing, extruding, and	-	29.9	-	_	-	-					
alloying	43.4	23.3	15.2	6.9	_	21.6					
Copper rolling, drawing, and		2010		0.0							
extruding	67.6	37.2	29.8	10.0	-	28.9					
Copper wire (except mechanical)											
drawing	26.1	14.9	-	-	-	15.8					
Nonferrous metal (except copper and aluminum) rolling, drawing, extruding,											
and alloving	19.5	12.9	_	_	_	18.2					
Nonferrous metal (except copper and	1010										
aluminum) rolling, drawing, and											
extruding	14.1	12.1	-	_	-	-					
Foundries	44.7	20.1	15.6	12.2	-	52.8					
Ferrous metal foundries	37.2	16.4	13.3	12.2	-	53.7					
Iron foundries Steel foundries (except investment)	49.3	17.1	16.3 10.9	14.4 7.9	_	50.5 42.6					
Nonferrous metal foundries	_ 54.8	25.0	18.7	12.1	_	51.6					
Aluminum die-casting foundries	59.1	28.8	9.9	15.4	_	27.6					
Nonferrous (except aluminum)	00.1	20.0	0.0	10.1		21.0					
die-casting foundries	25.7	27.1	_	_	_	-					
Aluminum foundries (except											
die-casting)	60.2	10.2	39.9	15.5	-	124.2					
Fabricated metal product manufacturing	26.9	15.4	15.2	6.4	-	28.5					
Forging and stamping	24.2	18.5	13.9	5.0	-	20.8					
Forging and stamping Iron and steel forging	24.2 26.3	18.5 13.4	13.9 28.1	5.0	-	20.8 42.4					
Nonferrous forging	20.3		20.1	_		42.4 20.2					
Custom roll forming	_	_	_	_	_	30.7					
Metal stamping	20.6	17.7	11.1	_	-	13.3					
Powder metallurgy part											
manufacturing	53.0	56.7	-	32.5	-	-					

				Sour	ce of injury or	illness ⁵	
Industry ³	NAICS code ⁴	Total cases	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials
Cutlery and handtool manufacturing	3322	163.1	4.6	29.2	_	15.7	23.0
Cutlery and handtool manufacturing Cutlery and flatware (except precious)	33221	163.1	4.6	29.2	-	15.7	23.0
manufacturing	332211	91.6	-	16.5	-	-	_
Hand and edge tool manufacturing Saw blade and handsaw	332212	162.5	5.2	27.4	_	20.3	26.1
manufacturing Architectural and structural metals	332213	201.3	-	43.9	_	_	_
manufacturing Plate work and fabricated structural	3323	240.0	1.5	11.1	2.5	25.0	79.8
product manufacturing Prefabricated metal building and	33231	268.7	1.2	11.8	1.2	24.6	99.3
component manufacturing Fabricated structural metal	332311	184.4	-	-	-	14.5	93.0
manufacturing	332312	305.2	2.3	13.2	2.0	33.3	107.4
Plate work manufacturing Ornamental and architectural metal	332313	254.3	-	13.1	-	14.7	88.0
products manufacturing Metal window and door	33232	218.9	1.8	10.5	3.4	25.3	65.4
manufacturing	332321	175.4	-	9.5	-	11.8	42.5
Sheet metal work manufacturing Ornamental and architectural metal	332322	221.3	-	13.5	6.1	29.5	76.3
work manufacturing Boiler, tank, and shipping container	332323	314.7	-	-	-	45.7	89.4
manufacturing Metal tank (heavy gauge)	3324	184.1	3.0	19.3	2.1	27.7	47.7
manufacturing Metal can, box, and other metal	33242	295.6	-	31.9	-	35.4	82.1
container (light gauge) manufacturing	33243	142.7	-	18.7	3.1	29.1	34.8
Metal can manufacturing	332431	80.3	-	15.6	-	9.3	14.1
Hardware manufacturing	3325	126.6	-	17.9	-	18.0	16.9
Hardware manufacturing	33251	126.6		17.9	-	18.0	16.9
Spring and wire product manufacturing	3326	227.0	2.5	34.6	-	25.8	40.6
Spring and wire product manufacturing Spring (heavy gauge)	33261	227.0	2.5	34.6	-	25.8	40.6
manufacturing Other fabricated wire product	332611	205.9	-	-	-	-	78.8
manufacturing Machine shops; turned product; and screw,	332618	240.5	-	35.7	-	28.2	39.9
nut, and bolt manufacturing	3327	182.1	2.6	15.3	5.6	33.7	40.4
Machine shops Turned product and screw, nut, and bolt	33271	190.4	3.5	14.0	6.5	34.8	43.4
manufacturing Precision turned product	33272	157.9	-	18.9	3.1	30.8	31.8
manufacturing Bolt, nut, screw, rivet, and washer	332721	170.9	-	22.3	-	40.8	25.3
manufacturing	332722	145.4	-	15.7	6.2	21.1	38.1

			Source of injur	y or illness ⁵		
Industry ³	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶
Cutlery and handtool manufacturing	28.4	22.2	9.7	5.8	_	21.9
Cutlery and handtool manufacturing Cutlery and flatware (except precious)	28.4	22.2	9.7	5.8	-	21.9
manufacturing	17.0		_	_	_	17.6
Hand and edge tool manufacturing Saw blade and handsaw	28.8	20.8	6.4	-	-	23.4
manufacturing Architectural and structural metals	42.9	-	_	_	_	29.6
manufacturing Plate work and fabricated structural	27.0	20.9	20.3	6.0	-	45.9
Product manufacturing Prefabricated metal building and	31.4	20.3	21.4	4.4	-	53.1
component manufacturing Fabricated structural metal	16.3	17.1	27.9	7.8	-	-
manufacturing	34.7	28.4	18.6	5.5	_	60.0
Plate work manufacturing	34.9	6.8	22.6	-	_	73.8
Ornamental and architectural metal						
products manufacturing Metal window and door	23.7	21.4	19.6	7.1	-	40.6
manufacturing	19.7	18.1	12.2	12.2	_	47.7
Sheet metal work manufacturing Ornamental and architectural metal	23.7	20.5	21.4	3.7	-	24.7
work manufacturing Boiler, tank, and shipping container	33.3	31.5	31.8	_	_	68.0
manufacturing Metal tank (heavy gauge)	21.9	16.1	18.3	4.0	_	24.1
manufacturing	24.5	18.4	51.5	_	_	46.7
container (light gauge) manufacturing	17.7	17.8	7.0	4.9	_	7.2
Metal can manufacturing	10.4	12.0	_	_	_	12.0
Hardware manufacturing	20.2	19.8	18.9	_	-	7.4
Hardware manufacturing	20.2	19.8	18.9	_	-	7.4
Spring and wire product manufacturing	44.4	10.6	13.9	9.3	-	44.0
Spring and wire product manufacturing Spring (heavy gauge)	44.4	10.6	13.9	9.3	-	44.0
manufacturing Other fabricated wire product	-	-	_	_	-	-
manufacturing Machine shops; turned product; and screw,	47.8	7.2	18.6	9.6	-	50.8
nut, and bolt manufacturing	22.2	11.7	18.4	7.0	_	25.1
Machine shops Turned product and screw, nut, and bolt	18.7	11.0	22.5	6.7	-	29.5
manufacturing Precision turned product	32.0	13.7	6.7	8.2	-	12.5
manufacturing Bolt, nut, screw, rivet, and washer	35.4	10.6	5.7	12.7	-	18.0
manufacturing	28.7	16.6	7.6	_		7.1

			Source of injury or illness ⁵					
Industry ³	NAICS code ⁴	Total cases	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials	
Coating angroving boot tracting and								
Coating, engraving, heat treating, and allied activities Coating, engraving, heat treating, and	3328	198.5	8.4	18.8	17.4	13.9	52.7	
allied activities	33281	198.5	8.4	18.8	17.4	13.9	52.7	
services to manufacturers Electroplating, plating, polishing,	332812	223.7	8.7	13.1	32.0	7.6	68.5	
anodizing, and coloring Other fabricated metal product	332813	160.9	8.5	18.1	9.5	17.5	35.4	
manufacturing	3329	146.5	3.5	17.7	4.1	20.5	30.8	
Metal valve manufacturing	33291	144.2	5.5	19.9	2.7	18.7	31.1	
Industrial valve manufacturing Fluid power valve and hose fitting	332911	108.4	-	9.2	_	10.5	28.1	
manufacturing All other fabricated metal product	332912	108.8	9.9	16.9	-	21.1	12.9	
manufacturing Ball and roller bearing	33299	147.7	2.5	16.5	4.9	21.5	30.7	
manufacturing Small arms ammunition	332991	111.2	-	25.4	-	17.0	18.1	
manufacturing Ammunition (except small arms)	332992	211.0	-	33.7	-	26.1	23.2	
manufacturing Small arms manufacturing	332993 332994	56.0 128.4	-	-	_		_ 34.6	
Fabricated pipe and pipe fitting manufacturing Enameled iron and metal sanitary	332996	127.9	6.0	8.1	-	12.7	21.8	
ware manufacturing All other miscellaneous fabricated	332998	97.2	-	12.5	-	-	15.5	
metal product manufacturing	332999 333	219.6 139.8	3.4 1.7	20.9 10.8	11.0 3.4	37.3 18.6	55.7 38.1	
Agriculture, construction, and mining								
Machinery manufacturing Agricultural implement manufacturing	3331 33311	160.2 157.0	1.6	7.3 7.5	3.5 4.1	22.1 19.8	48.3 37.6	
Farm machinery and equipment manufacturing Lawn and garden tractor and home	333111	175.5	-	7.4	4.5	21.7	44.7	
lawn and garden equipment								
manufacturing	333112	105.2		8.0	-	14.5	17.5	
Construction machinery manufacturing Mining and oil and gas field machinery	33312	205.5	2.7	10.7	-	31.9	71.8	
manufacturing Mining machinery and equipment	33313	112.7	-	3.3	4.3	14.0	35.2	
manufacturing Oil and gas field machinery and	333131	255.5	-	-	-	57.1	89.0	
equipment manufacturing	333132	81.6	<u> </u>	3.1	5.3	4.6	23.4	
Industrial machinery manufacturing	3332	132.0	1.7	14.8	1.4	13.4	36.6	

			Source of injur	y or illness ⁵		
Industry ³	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶
Coating, engraving, heat treating, and						
allied activities	30.0	12.7	10.1	9.0	-	25.5
Coating, engraving, heat treating, and allied activities	30.0	12.7	10.1	9.0	_	25.5
Metal coating, engraving (except	50.0	12.1	10.1	5.0	_	20.0
jewelry and silverware), and allied						
services to manufacturers	33.4	9.3	8.0	10.5	-	32.7
Electroplating, plating, polishing, anodizing, and coloring	23.8	11.9	8.4	6.1		21.7
Other fabricated metal product	23.0	11.9	0.4	0.1	_	21.7
manufacturing	30.3	11.1	6.9	6.3	_	14.7
Metal valve manufacturing	27.8	10.7	6.8	5.0	-	16.1
Industrial valve manufacturing	17.4	11.1	14.9	-	-	9.6
Fluid power valve and hose fitting						
manufacturing All other fabricated metal product	19.3	7.3	-	-	-	18.2
manufacturing	31.6	11.3	7.0	6.9	_	14.0
Ball and roller bearing	51.0	11.5	7.0	0.9	_	14.0
manufacturing	15.8	13.7	7.2	4.8	-	7.3
Small arms ammunition						
manufacturing	73.2	-	26.1	-	-	18.1
Ammunition (except small arms) manufacturing	24.5					18.8
Small arms manufacturing	24.5	_	_	_	_	20.4
Fabricated pipe and pipe fitting	20.0					20.1
manufacturing	16.0	19.2	-	12.0	_	28.4
Enameled iron and metal sanitary						
ware manufacturing	18.5	21.6	-	13.8	-	-
All other miscellaneous fabricated	10.0	10.0		7.0		10.1
metal product manufacturing	49.6 23.5	10.3 12.4	9.1 10.0	7.8 4.4	-	12.1 16.9
Machinery manufacturing Agriculture, construction, and mining	23.5	12.4	10.0	4.4	_	10.9
machinery manufacturing	27.5	13.9	12.7	5.3	_	18.1
Agricultural implement manufacturing	33.9	13.8	7.2	8.4	_	23.6
Farm machinery and equipment				••••		
manufacturing	38.7	16.1	6.0	8.0	_	27.2
Lawn and garden tractor and home						
lawn and garden equipment	~~~~	7.0	10.0	<u> </u>		10.0
manufacturing	20.3	7.3	10.9	9.5	-	13.6
Construction machinery manufacturing Mining and oil and gas field machinery	23.0	22.0	19.7	5.5	-	16.2
manufacturing	24.3	4.6	11.8	_	_	13.2
Mining machinery and equipment	21.0					10.2
manufacturing	23.1		43.0	_	-	28.1
Oil and gas field machinery and						
equipment manufacturing	24.6	3.7	5.0	-	-	9.9
Industrial machinery manufacturing	18.9	14.3	8.4	2.2	-	20.3
		1			1	

			Source of injury or illness ⁵						
Industry ³	NAICS code ⁴	Total cases	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials		
Plastics and rubber industry machinery manufacturing Other industrial machinery	33322	120.8	-	19.3	-	-	18.2		
manufacturing Paper industry machinery	33329	125.0	-	15.1	-	14.7	26.4		
manufacturing	333291	112.4	_	_	_	_	38.2		
Textile machinery manufacturing Printing machinery and equipment	333292	115.4	-	-	-	-	24.0		
manufacturing Semiconductor machinery	333293	183.3	-	20.8	-	40.3	26.5		
manufacturing All other industrial machinery	333295	38.7	-	-	-	-	10.2		
manufacturing Commercial and service industry	333298	150.0	-	5.7	-	7.6	31.4		
machinery manufacturing Commercial and service industry	3333	79.8	-	7.8	2.3	10.1	12.0		
machinery manufacturing	33331	79.8	-	7.8	2.3	10.1	12.0		
manufacturing	333311	232.1	-	-	_	-	69.3		
Office machinery manufacturing Optical instrument and lens	333313	56.9	-	22.4	-	-	-		
manufacturing Photographic and photocopying	333314	43.2	-	-	-	-	-		
equipment manufacturing Other commercial and service	333315	58.3	-	-	-	-	-		
industry machinery manufacturing Ventilation, heating, air-conditioning, and commercial refrigeration equipment	333319	81.0	-	8.9	-	14.2	13.6		
manufacturing	3334	143.5	2.8	11.3	3.5	22.1	37.3		
equipment manufacturing Air purification equipment	33341	143.5	2.8	11.3	3.5	22.1	37.3		
manufacturing Industrial and commercial fan and	333411	196.4	-	15.0	-	20.0	24.5		
blower manufacturing Heating equipment (except warm air	333412	190.0	-	-	-	20.6	44.9		
furnaces) manufacturing Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment	333414	167.4	8.2	18.9	_	42.5	38.9		
manufacturing	333415	125.8	2.0	9.3	3.8	18.5	38.2		
Metalworking machinery manufacturing Metalworking machinery	3335	149.9	.9	6.2	6.1	22.8	45.9		
manufacturing Industrial mold manufacturing	33351 333511	149.9 196.3	.9 _	6.2 -	6.1 12.2	22.8 25.9	45.9 76.6		

	Source of injury or illness ⁵									
Industry ³	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources				
Plastics and rubber industry machinery										
manufacturing	15.9	_	_	_	_	36.8				
Other industrial machinery										
manufacturing	20.2	15.9	8.9	2.8	_	18.2				
Paper industry machinery										
manufacturing	-	20.8	-	-	-	24.8				
Textile machinery manufacturing	-	32.2	-	-	-	-				
Printing machinery and equipment										
manufacturing	33.0	12.9	18.2	-	-	14.1				
Semiconductor machinery										
manufacturing	-	-	-	-	-	-				
All other industrial machinery										
manufacturing	36.3	23.0	8.8	-	-	32.4				
Commercial and service industry	04.4	9.7	2.6	10						
machinery manufacturing Commercial and service industry	21.1	9.7	2.0	4.0	_	8.8				
machinery manufacturing	21.1	9.7	2.6	4.0		8.8				
Automatic vending machine	21.1	9.7	2.0	4.0	_	0.0				
manufacturing	123.5	_	_	_	_	_				
Office machinery manufacturing	-		_	_	_	_				
Optical instrument and lens										
manufacturing	14.7	_	_	_	_	12.3				
Photographic and photocopying										
equipment manufacturing	23.5	_	_	_	_	_				
Other commercial and service										
industry machinery manufacturing	13.0	12.1	4.0	_	_	10.6				
Ventilation, heating, air-conditioning, and										
commercial refrigeration equipment										
manufacturing	26.5	13.0	5.7	6.4	-	14.9				
Ventilation, heating, air-conditioning,										
and commercial refrigeration										
equipment manufacturing	26.5	13.0	5.7	6.4	-	14.9				
Air purification equipment	05.0	00.0	40.4	05.0						
manufacturing Industrial and commercial fan and	25.9	30.2	13.4	25.3	-	34.0				
blower manufacturing	50.4					48.8				
Heating equipment (except warm air	50.4	_	_	_	_	40.0				
furnaces) manufacturing	24.8	_	_	_	_	20.3				
Air-conditioning and warm air heating	24.0	_	_	_	_	20.5				
equipment and commercial and										
industrial refrigeration equipment										
manufacturing	24.6	12.7	5.0	4.2	_	7.5				
Metalworking machinery manufacturing	15.7	10.4	12.0	4.1	_	25.8				
Metalworking machinery	-	-	-							
manufacturing	15.7	10.4	12.0	4.1	-	25.8				
Industrial mold manufacturing	19.5	21.8	14.9	12.7	_	9.3				

				Sour	ce of injury or	illness ⁵	
Industry ³	NAICS code ⁴	Total cases	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials
Machine tool (metal cutting types)							
manufacturing Machine tool (metal forming types)	333512	100.2	_	-	-	20.9	11.2
manufacturing Special die and tool, die set, jig, and	333513	190.0	-	-	-	42.3	67.8
fixture manufacturing Cutting tool and machine tool	333514	146.1	-	9.5	6.4	17.9	40.8
accessory manufacturing Engine, turbine, and power transmission	333515	106.8	-	-	-	31.9	31.0
equipment manufacturing	3336	123.5	-	11.8	-	17.5	29.5
Engine, turbine, and power transmission equipment manufacturing	33361	123.5	_	11.8	-	17.5	29.5
Turbine and turbine generator set units manufacturing	333611	68.1	-	9.8	-	-	_
Speed changer, industrial high-speed drive, and gear manufacturing	333612	147.8	-	-	-	43.9	55.2
Mechanical power transmission equipment manufacturing	333613	209.8	_	30.8	-	30.4	47.9
Other engine equipment manufacturing	333618	111.1	-	8.2	-	10.8	26.5
Other general purpose machinery manufacturing	3339	147.8	2.3	15.8	3.3	17.0	39.0
Pump and compressor manufacturing Pump and pumping equipment	33391	111.6	4.6	14.1	-	16.0	25.6
manufacturing Air and gas compressor	333911	134.6	-	13.4	-	21.0	36.1
manufacturing Measuring and dispensing pump	333912	80.8	11.6	16.5	-	10.6	14.3
manufacturing Material handling equipment	333913	101.7	-	-	-	-	-
manufacturing	33392	186.6	-	17.7	6.8	13.6	57.5
Conveyor and conveying equipment manufacturing	333922	182.9	_	35.7	9.8	20.5	44.2
Overhead traveling crane, hoist, and monorail system manufacturing	333923	233.0	-	-	-	-	72.2
Industrial truck, tractor, trailer, and stacker machinery manufacturing	333924	183.1	-	8.8	7.8	13.7	72.8
All other general purpose machinery manufacturing	33399	140.8	1.6	15.5	2.5	19.1	34.2
Power-driven handtool manufacturing	333991	92.4	_	19.0	_		_
Welding and soldering equipment manufacturing	333992	140.6	_	_	_	_	57.7
Packaging machinery manufacturing	333993	101.7	_	9.9	_	13.7	21.3
Industrial process furnace and oven manufacturing	333994	115.8	_	_	_	29.9	_
	000007	110.0				20.0	

			Source of injur	y or illness ⁵		
Industry ³	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶
Machine tool (metal cutting types)						
manufacturing Machine tool (metal forming types)	23.6	-	-	-	-	29.1
manufacturing	24.8	-	-	-	-	37.2
Special die and tool, die set, jig, and fixture manufacturing	7.5	4.9	16.5	-	-	39.9
Cutting tool and machine tool accessory manufacturing	17.1	-	8.4	-	_	5.5
Engine, turbine, and power transmission equipment manufacturing	22.9	13.4	9.1	4.7	_	12.2
Engine, turbine, and power transmission						
equipment manufacturing Turbine and turbine generator set	22.9	13.4	9.1	4.7	_	12.2
units manufacturing Speed changer, industrial high-speed	22.0	10.8	-	-	-	8.2
drive, and gear manufacturing Mechanical power transmission	16.7	16.0	-	-	-	_
equipment manufacturing	40.1	_	16.0	-	_	35.4
Other engine equipment manufacturing	19.5	17.6	10.3	6.5	_	8.4
Other general purpose machinery manufacturing	27.7	12.1	12.9	4.0	_	13.7
Pump and compressor manufacturing Pump and pumping equipment	20.2	11.7	5.5	-	-	11.3
manufacturing	22.5	10.0	8.3	-	-	18.7
Air and gas compressor manufacturing	16.1	-	-	-	-	_
Measuring and dispensing pump manufacturing	_	64.7	_	_	_	_
Material handling equipment manufacturing	30.8	16.4	18.7	8.2	_	15.3
Conveyor and conveying equipment		10.4	-	0.2		
manufacturing Overhead traveling crane, hoist, and	28.2	-	16.5	-	-	15.6
monorail system manufacturing Industrial truck, tractor, trailer, and	24.8	43.3	55.5	-	-	18.3
stacker machinery manufacturing	36.3	11.7	6.6	7.1	_	18.1
All other general purpose machinery manufacturing	28.8	10.1	12.6	2.5	-	13.8
Power-driven handtool manufacturing	_	_	16.7	_	_	_
Welding and soldering equipment manufacturing	17.1	19.5	20.5	_	_	_
Packaging machinery manufacturing	29.0	_	9.7	_	_	
Industrial process furnace and oven		-	-	-	_	
manufacturing	14.8	13.6	17.0	-	-	21.9

				Sour	ce of injury or	illness ⁵	
Industry ³	NAICS code ⁴	Total cases	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials
Fluid power cylinder and actuator							
manufacturing Fluid power pump and motor	333995	184.6	-	22.2	-	28.7	48.7
manufacturing All other miscellaneous general	333996	158.1	-	14.2	-	24.5	29.2
purpose machinery manufacturing Computer and electronic product	333999	162.0	-	23.8	-	22.3	45.9
manufacturing Computer and peripheral equipment	334	47.0	1.4	5.5	1.6	4.5	4.5
manufacturing Computer and peripheral equipment	3341	21.8	-	4.1	-	2.8	1.4
manufacturing	33411	21.8	_	4.1	_	2.8	1.4
Electronic computer manufacturing Computer storage device	334111	17.9	-	2.4	-	1.7	-
manufacturing Other computer peripheral equipment	334112	26.5	-	6.6	-	-	-
manufacturing Communications equipment	334119	32.4	-	7.4	-	6.7	3.6
manufacturing Radio and television broadcasting and	3342	45.5	1.3	4.0	2.7	4.4	2.0
wireless communications equipment manufacturing	33422	38.4	_	6.1	2.7	7.0	3.1
Other communications equipment manufacturing	33429	38.1	_	-	_	_	_
Audio and video equipment manufacturing	3343	78.9	_	13.4	_	18.4	6.8
Semiconductor and other electronic					-		
component manufacturing Semiconductor and other electronic	3344	50.4	2.0	4.9	.9	4.3	4.9
component manufacturing Bare printed circuit board	33441	50.4	2.0	4.9	.9	4.3	4.9
manufacturing Semiconductor and related device	334412	73.3	8.1	7.0	-	7.4	6.6
manufacturing	334413	30.1	-	1.9	.9	2.4	2.3
Electronic capacitor manufacturing Electronic coil, transformer, and other	334414	192.9	-	_	-	-	-
inductor manufacturing	334416	170.9	-	33.8	-	-	-
Electronic connector manufacturing Printed circuit assembly (electronic	334417	62.9	-	_	-	12.8	-
assembly) manufacturing Other electronic component	334418	45.8	-	4.7	-	6.9	5.2
manufacturing Navigational, measuring, electromedical,	334419	62.1	-	8.5	-	-	8.4
Navigational, measuring, electromedical, and control instruments manufacturing Navigational, measuring, electromedical, and control instruments	3345	53.7	1.2	6.6	2.3	4.6	6.5
manufacturing	33451	53.7	1.2	6.6	2.3	4.6	6.5

			Source of injur	y or illness ⁵		
Industry ³	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶
Fluid power cylinder and actuator						
manufacturing	33.4	-	-	-	-	24.8
Fluid power pump and motor manufacturing	37.5	10.6	15.9	-	_	25.3
All other miscellaneous general purpose machinery manufacturing	38.6	9.2	9.4	-	-	8.4
Computer and electronic product manufacturing	12.9	8.1	1.8	1.8	_	4.9
Computer and peripheral equipment manufacturing	5.9	3.6	_	1.2	_	1.8
Computer and peripheral equipment						_
manufacturing Electronic computer manufacturing	5.9 6.0	3.6 3.9	_	1.2	_	1.8 1.6
Computer storage device manufacturing	6.8	_	-	_	_	_
Other computer peripheral equipment manufacturing	6.2	-	-	-	-	-
Communications equipment manufacturing Radio and television broadcasting and	7.5	9.4	2.5	4.3	_	7.5
wireless communications equipment manufacturing	7.2	6.0	-	-	_	2.2
Other communications equipment manufacturing	-	9.9	9.9	6.6	-	-
Audio and video equipment manufacturing	13.6	6.1	8.2	_	_	_
Semiconductor and other electronic component manufacturing	14.4	11.0	1.9	1.3	_	4.9
Semiconductor and other electronic		_		-		
component manufacturing Bare printed circuit board	14.4	11.0	1.9	1.3	_	4.9
manufacturing Semiconductor and related device	16.0	14.9	-	-	-	10.4
manufacturing	9.0	9.2	-	1.3	-	2.3
Electronic capacitor manufacturing Electronic coil, transformer, and other	47.2	93.3	-	-	_	-
inductor manufacturing Electronic connector manufacturing	85.9 20.5	_ 13.6	-	-		
Printed circuit assembly (electronic assembly) manufacturing	11.5	4.8	-	_	_	9.5
Other electronic component manufacturing	17.9	7.0	7.6	_	_	6.7
Navigational, measuring, electromedical, and control instruments manufacturing Navigational, measuring, electromedical,	16.5	7.1	1.9	1.6	-	5.7
and control instruments manufacturing	16.5	7.1	1.9	1.6	_	5.7

				Sour	ce of injury or	illness ⁵	
Industry ³	NAICS code ⁴	Total cases	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials
Electromedical and electrotherapeutic apparatus manufacturing Search, detection, navigation, guidance, aeronautical, and nautical	334510	47.8	4.9	4.9	-	3.2	-
system and instrument manufacturing Automatic environmental control	334511	33.6	-	3.0	1.2	3.7	1.4
manufacturing for residential, commercial, and appliance use Instruments and related products manufacturing for measuring,	334512	93.5	-	-	-	16.2	17.6
displaying, and controlling industrial process variables Totalizing fluid meter and counting	334513	77.4	-	8.2	5.9	6.3	16.3
device manufacturing Instrument manufacturing for	334514	62.4	-	_	-	_	_
measuring and testing electricity and electrical signals Analytical laboratory instrument	334515	39.7	-	5.0	-	-	4.7
manufacturing Irradiation apparatus manufacturing Other measuring and controlling	334516 334517	72.7 43.1		10.0 -	-		
device manufacturing Manufacturing and reproducing magnetic	334519	96.0	-	33.1	-	-	17.0
and optical media Manufacturing and reproducing	3346	43.2	-	7.8	-	-	-
magnetic and optical media Prerecorded compact disc (except software), tape, and record	33461	43.2	_	7.8	-	-	_
reproducing Electrical equipment, appliance, and	334612	75.6	_	13.9	-	-	-
component manufacturing Electric lighting equipment manufacturing Electric lamp bulb and part	335 3351	107.3 119.7	2.1	13.0 8.1	4.0 4.8	14.4 23.8	17.1 4.0
manufacturing Lighting fixture manufacturing	33511 33512	53.7 139.3		_ 10.1	_ 6.2	_ 29.5	-
Residential electric lighting fixture manufacturing	335121	142.2		26.9	0.2	38.2	
Commercial, industrial, and institutional electric lighting fixture				20.9	_		_
manufacturing Other lighting equipment	335122	158.1	-	-	-	30.0	-
manufacturing Household appliance manufacturing	335129	90.9 85.7	-	_ 9.1	_ 3.7	17.9 10.5	_ 14.5
Small electrical appliance manufacturing	3352 33521	92.0		9.1	3. <i>1</i>	10.5	-
	00021	52.0		3.0	_	11.5	

			Source of injur	y or illness ⁵		
Industry ³	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶
Electromedical and electrotherapeutic						
apparatus manufacturing	16.5	6.2	-	-	-	4.9
Search, detection, navigation, guidance, aeronautical, and nautical system and instrument						
manufacturing	13.2	5.3	-	1.2	-	3.4
Automatic environmental control manufacturing for residential,						
commercial, and appliance use	27.3	11.7	8.6	6.8	_	_
Instruments and related products	27.0		0.0	0.0		
manufacturing for measuring,						
displaying, and controlling industrial						
process variables	15.9	5.1	2.8	-	-	15.3
Totalizing fluid meter and counting						455
device manufacturing	17.1	-	-	-	-	15.5
Instrument manufacturing for measuring and testing electricity and						
electrical signals	16.0	4.9	_	_	_	6.0
Analytical laboratory instrument	10.0	4.0				0.0
manufacturing	25.7	23.3	_	_	_	_
Irradiation apparatus manufacturing	17.4	_	_	_	_	_
Other measuring and controlling						
device manufacturing	17.5	-	-	-	-	-
Manufacturing and reproducing magnetic						
and optical media	11.8	6.4	-	-	-	7.7
Manufacturing and reproducing magnetic and optical media	11.8	6.4	_	_	_	7.7
Prerecorded compact disc (except	11.0	0.4	_			1.1
software), tape, and record						
reproducing	20.1	12.4	_	_	_	11.8
Electrical equipment, appliance, and						
component manufacturing	25.4	11.8	4.6	3.3	-	11.7
Electric lighting equipment manufacturing	41.6	17.3	4.3	-	-	13.6
Electric lamp bulb and part	10.1					00.0
manufacturing	16.1 49.1	22.1	5.6	-	-	20.8 11.5
Residential electric lighting fixture	49.1	22.1	0.0	_	_	11.5
manufacturing	_	38.3	12.7	_	_	_
Commercial, industrial, and		00.0				
institutional electric lighting fixture						
manufacturing	79.8	16.4	-	-	-	13.5
Other lighting equipment	a					
manufacturing	25.4	16.3		-	-	
Household appliance manufacturing	23.5	11.1	3.0	2.8	-	7.0
Small electrical appliance manufacturing	35.5	12.1	_	_	_	12.1
	00.0					12.1

				Sour	ce of injury or	illness ⁵	
Industry ³	NAICS code ⁴	Total cases	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials
Electric housewares and household							
fan manufacturing	335211	89.4	_	12.2	_	13.0	_
Major appliance manufacturing	33522	84.0		9.0	4.7	10.3	17.0
Household refrigerator and home	55522	04.0	_	5.0	4.7	10.5	17.0
freezer manufacturing	335222	65.0				14.4	
	335222	05.0	-	-	-	14.4	-
Other major household appliance	335228	65.2					
manufacturing			-	-	_	-	-
Electrical equipment manufacturing	3353	108.9	3.5	12.2	2.2	13.3	24.2
Electrical equipment manufacturing	33531	108.9	3.5	12.2	2.2	13.3	24.2
Power, distribution, and specialty	005044	170.0					00 F
transformer manufacturing	335311	176.2	6.4	13.4	-	21.0	29.5
Motor and generator manufacturing	335312	118.1	-	11.8	-	20.0	29.5
Switchgear and switchboard							
apparatus manufacturing	335313	106.1	-	15.7	-	12.0	17.2
Relay and industrial control							
manufacturing	335314	59.4	6.7	9.3	-	-	20.1
Other electrical equipment and component							
manufacturing	3359	113.5	2.1	18.4	5.8	13.7	16.3
Battery manufacturing	33591	108.2	-	11.9	-	8.7	22.8
Storage battery manufacturing	335911	78.8	-	-	-	-	13.4
Primary battery manufacturing	335912	145.4	-	24.6	-	-	34.7
Fiber optic cable manufacturing	335921	64.1	-	-	-	-	-
Wiring device manufacturing	33593	107.9		20.5	-	17.3	20.3
Current-carrying wiring device							
manufacturing	335931	88.4		19.2	-	14.1	18.0
Noncurrent-carrying wiring device							
manufacturing	335932	169.0		24.4	-	27.4	27.6
All other electrical equipment and							
component manufacturing	33599	113.3	-	12.7	13.1	11.7	4.7
All other miscellaneous electrical							
equipment and component							
manufacturing	335999	122.7	-	10.8	-	15.2	-
Transportation equipment manufacturing	336	167.9	2.3	12.6	4.2	13.1	34.9
Motor vehicle manufacturing	3361	217.8	1.8	9.2	6.0	7.8	50.9
Automobile and light duty motor vehicle							
manufacturing	33611	193.3	1.2	7.7	4.4	7.3	42.0
Automobile manufacturing	336111	166.6	1.1	4.1	5.3	4.9	37.1
Light truck and utility vehicle							
manufacturing	336112	245.7	_	14.9	2.5	12.0	51.5
Heavy duty truck manufacturing	33612	358.1	4.7	17.8	15.6	10.7	101.8
Motor vehicle body and trailer							
manufacturing	3362	229.2	2.7	9.8	7.8	20.3	67.7
Motor vehicle body and trailer				0.0			
manufacturing	33621	229.2	2.7	9.8	7.8	20.3	67.7
Motor vehicle body manufacturing	336211	209.5		10.8	7.6	21.6	60.8
Truck trailer manufacturing	336212	324.4	5.5	7.3	9.4	25.0	118.5

position surfaces - - - Electric housewares and household fan manufacturing 28.7 - <td< th=""><th></th><th></th><th></th><th>Source of injur</th><th>y or illness⁵</th><th></th><th></th></td<>				Source of injur	y or illness ⁵		
fan manufacturing 28.7 - - - - - - - - - - - 5.5 Household refrigerator and home freezer manufacturing 17.4 10.6 - 10.9 - - - 10.9 - - 11.1 - - - 11.1 - - - - - - - - - - -	Industry ³	motion or	walkways or ground	Handtools	Vehicles	care	
fan manufacturing 28.7 - - - - - - - - - - - 5.5 Household refrigerator and home freezer manufacturing 17.4 10.6 - 10.9 - - - 10.9 - - 11.1 - - - 11.1 - - - - - - - - - - -	Electric housewares and household						
Major appliance manufacturing 20.0 10.8 3.2 2.7 - 5.5 Household effigurator and home freezer manufacturing 17.4 10.6 - 10.9 Power, distribution, and specialty 49.3 20.3 15.2 - - 11.1 4.9 4.2 - 11.1 - 11.1 4.9 4.2 - 11.1 3.9 Motor and generator manufacturing 23.1 14.3 - - - 11.6 10.8 3.5 5.4 - 14.8 3.8 3.0 0.6.7		28.7	_	_	_	_	_
Household retrigerator and home freezer manufacturing 17.4 10.6 - 10.9 Electrical equipment manufacturing 22.5 11.0 6.7 2.4 - 11.1 Switchgear and switchboard 22.1 11.1 4.9 4.2 - 11.1 3.0 3.0 11.1 4.9 3.2 11.1 4.9 3.2 11.1 4.9 4.2 - 11.1 3.0 11.1 3.0 3.0 10.6 10.7 11.1 10.8 11.2 11			10.8	3.2	27	_	5.5
freezer maufăcturing 17.4 10.6 - 10.9		20.0	10.0	0.2	2.1		0.0
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		17 /	10.6	_	_	_	_
manufacturing 13.2 - 10.9 Power, distribution, and specially 49.3 20.3 15.2 - - 11.1 4.9 4.2 - 11.1 4.9 4.2 - 11.1 4.9 4.2 - 11.1 4.9 4.2 - 11.1 4.9 4.2 - 11.1 4.9 4.2 - 11.1 4.9 4.2 - 11.1 4.9 4.2 - 11.1 4.9 4.2 11.1 11.1 4.9 4.2 11.1 11.1 11.1 11.1 11.1 11.1		17.4	10.0	_	-	_	_
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		10.0					
Electrical equipment manufacturing 22.5 11.0 6.7 2.4 - 10.9 Power, distribution, and specially transformer manufacturing 49.3 20.3 15.2 - - 13.9 Motor and generator manufacturing 22.1 11.1 4.9 4.2 - 11.1 Switchbgear and switchboard apparatus manufacturing 23.1 14.3 - - - 18.6 Relay and industrial control manufacturing 6.0 - 7.3 -		-	-		-	-	-
Power, distribution, and specialty transformer manufacturing 49.3 20.3 15.2 - - - 13.9 Motor and generator manufacturing 22.1 11.1 4.9 4.2 - 11.1 Switchgear and switchboard 23.1 14.3 - - - 18.6 Relay and industrial control 6.0 - 7.3 - 14.8 Battery manufacturing 33.4 12.0 - - - - 14.1 - - - 14.1 - - - - - - - - - - 10.7 Current-carrying wind device - - - -			-	-		-	
transformer manufacturing 49.3 20.3 15.2 - - 13.9 Motor and generator manufacturing 22.1 11.1 4.9 4.2 - 11.1 apparatus manufacturing 23.1 14.3 - - - 18.6 Relay and industrial control 6.0 - 7.3 - - - - - - 18.6 manufacturing 30.0 6.7 - 8.5 - 10.6 -		22.5	11.0	6.7	2.4		10.9
Motor and generator manufacturing 22.1 11.1 4.9 4.2 - 11.1 Switchgear and switchboard apparatus manufacturing 23.1 14.3 - - - 18.6 Relay and industrial control manufacturing 23.1 14.3 - - - 18.6 Other electrical equipment and component manufacturing 6.0 - 7.3 - - - - - - 14.8 Battery manufacturing 33.0 6.7 - 8.5 - 10.6 -		40.0		4			
Switchgear and switchboard apparatus manufacturing 23.1 14.3 - - - 18.6 Relay and industrial control manufacturing 6.0 - 7.3 -				-	-	-	
appa7atus manufacturing 23.1 14.3 - - - 18.6 Relay and industrial control manufacturing 6.0 - 7.3 - - - 18.6 Other electrical equipment and component manufacturing 6.0 - 7.3 -		22.1	11.1	4.9	4.2	-	11.1
Relay and industrial control manufacturing 6.0 - 7.3 - - - Other electrical equipment and component manufacturing 30.0 6.7 - 8.5 - 10.6 Storage battery manufacturing 33.4 12.0 -	Switchgear and switchboard						
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	apparatus manufacturing	23.1	14.3	-	-	-	18.6
Other electrical equipment and component manufacturing 22.6 10.8 3.5 5.4 - 14.8 Battery manufacturing 30.0 6.7 - 8.5 - 10.6 Storage battery manufacturing 27.3 -	Relay and industrial control						
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	manufacturing	6.0	-	7.3	-	-	-
$\begin{array}{c c c c c c c c c c c c c c c c c c c $							
Battery manufacturing 30.0 6.7 - 8.5 - 10.6 Storage battery manufacturing 33.4 12.0 - - - - - 14.1 Fiber optic cable manufacturing - 24.0 - <td></td> <td>22.6</td> <td>10.8</td> <td>3.5</td> <td>5.4</td> <td>_</td> <td>14.8</td>		22.6	10.8	3.5	5.4	_	14.8
Storage battery manufacturing 27.3 - <		-		_	-	_	-
Primary battery manufacturing 33.4 12.0 - - - 14.1 Fiber optic cable manufacturing 15.6 10.9 6.0 - - - 10.7 Wiring device manufacturing 15.6 10.9 6.0 - - 6.9 Moncurrent-carrying wiring device 14.1 5.9 - - - 6.9 Noncurrent-carrying wiring device 20.3 26.6 14.1 - - 22.6 All other electrical equipment and component manufacturing 30.5 9.4 - 9.8 - 21.5 All other miscellaneous electrical equipment manufacturing 38.6 10.5 - - - 23.5 Transportation equipment manufacturing 78.5 21.5 11.7 16.8 - 12.6 Automobile and light duty motor vehicle manufacturing 78.9 19.7 10.0 12.2 - 9.8 Automobile and utility vehicle 70.0 14.1 5.4 14.3 - 10.1 Light truck and utility vehicle 82.6 31.4 21.5 43.3			-	_		_	
Fiber optic cable manufacturing - 24.0 - 10.7 Wiring device manufacturing				_	_	_	
Wiring device manufacturing15.610.96.010.7Current-carrying wiring device manufacturing14.15.96.9Noncurrent-carrying wiring device manufacturing20.326.614.122.6All other electrical equipment and component manufacturing30.59.4-9.8-21.5All other miscellaneous electrical equipment and component manufacturing38.610.523.5Transportation equipment manufacturing43.221.19.310.8-12.6Automobile and light duty motor vehicle manufacturing78.919.710.012.2-9.8Automobile manufacturing96.230.819.08.2-9.1Heavy duty truck manufacturing82.631.421.543.3-28.6Motor vehicle body and trailer manufacturing36.230.519.010.4-24.7Motor vehicle body and trailer manufacturing36.230.519.010.4-24.7Motor vehicle body and trailer manufacturing36.230.519.010.4-24.7Motor vehicle body and trailer manufacturing36.230.519.010.4-24.7Motor vehicle body manufacturing25.726.420.812.5-22.0			-		_	_	14.1
$\begin{array}{c c c c c c c c c c c c c c c c c c c $					-		10.7
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		10.0	10.9	0.0	-	_	10.7
Noncurrent-carrying wiring device manufacturing			5.0				
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		14.1	5.9	-	-	-	6.9
All other electrical equipment and component manufacturing30.59.4-9.8-21.5All other miscellaneous electrical equipment and component38.610.523.5Transportation equipment manufacturing43.221.19.310.8-16.4Motor vehicle manufacturing79.521.511.716.8-12.6Automobile and light duty motor vehicle78.919.710.012.2-9.8Automobile manufacturing70.014.15.414.3-10.1Light truck and utility vehicle96.230.819.08.2-9.1Heavy duty truck manufacturing82.631.421.543.3-28.6Motor vehicle body and trailer36.230.519.010.4-24.7Motor vehicle body manufacturing36.230.519.010.4-24.7Motor vehicle body manufacturing25.726.420.812.5-22.0							
component manufacturing 30.5 9.4 - 9.8 - 21.5 All other miscellaneous electrical equipment and component manufacturing 38.6 10.5 - - 23.5 Transportation equipment manufacturing 43.2 21.1 9.3 10.8 - 16.4 Motor vehicle manufacturing 79.5 21.5 11.7 16.8 - 12.6 Automobile and light duty motor vehicle 78.9 19.7 10.0 12.2 - 9.8 Motor vehicle manufacturing 70.0 14.1 5.4 14.3 - 10.1 Light truck and utility vehicle 96.2 30.8 19.0 8.2 - 9.1 Heavy duty truck manufacturing 82.6 31.4 21.5 43.3 - 28.6 Motor vehicle body and trailer 36.2 30.5 19.0 10.4 - 24.7 Motor vehicle body and trailer 36.2 30.5 19.0 10.4 - 24.7 Motor vehicle body manufacturing 25.7 26.4 20.8 12.5 - 22.0 <td></td> <td>20.3</td> <td>26.6</td> <td>14.1</td> <td>-</td> <td>-</td> <td>22.6</td>		20.3	26.6	14.1	-	-	22.6
All other miscellaneous electrical equipment and component manufacturing 38.6 10.5 - - - 23.5 Transportation equipment manufacturing 43.2 21.1 9.3 10.8 - 16.4 Motor vehicle manufacturing 79.5 21.5 11.7 16.8 - 12.6 Automobile and light duty motor vehicle 78.9 19.7 10.0 12.2 - 9.8 Automobile manufacturing 70.0 14.1 5.4 14.3 - 10.1 Light truck and utility vehicle 96.2 30.8 19.0 8.2 - 9.1 Heavy duty truck manufacturing 82.6 31.4 21.5 43.3 - 28.6 Motor vehicle body and trailer 36.2 30.5 19.0 10.4 - 24.7 Motor vehicle body and trailer 36.2 30.5 19.0 10.4 - 24.7 Motor vehicle body manufacturing 25.7 26.4 20.8 12.5 - 22.0							
equipment and component manufacturing	component manufacturing	30.5	9.4	-	9.8	-	21.5
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	All other miscellaneous electrical						
Transportation equipment manufacturing	equipment and component						
Transportation equipment manufacturing 43.2 21.1 9.3 10.8 - 16.4 Motor vehicle manufacturing 79.5 21.5 11.7 16.8 - 12.6 Automobile and light duty motor vehicle 78.9 19.7 10.0 12.2 - 9.8 Automobile manufacturing 70.0 14.1 5.4 14.3 - 10.1 Light truck and utility vehicle 96.2 30.8 19.0 8.2 - 9.1 Heavy duty truck manufacturing 82.6 31.4 21.5 43.3 - 28.6 Motor vehicle body and trailer 36.2 30.5 19.0 10.4 - 24.7 Motor vehicle body manufacturing 25.7 26.4 20.8 12.5 - 22.0	manufacturing	38.6	10.5	-	-	-	23.5
Motor vehicle manufacturing 79.5 21.5 11.7 16.8 - 12.6 Automobile and light duty motor vehicle 78.9 19.7 10.0 12.2 - 9.8 Automobile manufacturing 70.0 14.1 5.4 14.3 - 10.1 Light truck and utility vehicle 96.2 30.8 19.0 8.2 - 9.1 Heavy duty truck manufacturing 82.6 31.4 21.5 43.3 - 28.6 Motor vehicle body and trailer 36.2 30.5 19.0 10.4 - 24.7 Motor vehicle body manufacturing 36.2 30.5 19.0 10.4 - 24.7 Motor vehicle body manufacturing 25.7 26.4 20.8 12.5 - 22.0		43.2	21.1	9.3	10.8	_	16.4
Automobile and light duty motor vehicle 78.9 19.7 10.0 12.2 - 9.8 Automobile manufacturing 70.0 14.1 5.4 14.3 - 10.1 Light truck and utility vehicle 96.2 30.8 19.0 8.2 - 9.1 Heavy duty truck manufacturing 82.6 31.4 21.5 43.3 - 28.6 Motor vehicle body and trailer 36.2 30.5 19.0 10.4 - 24.7 Motor vehicle body manufacturing 36.2 30.5 19.0 10.4 - 24.7 Motor vehicle body manufacturing 25.7 26.4 20.8 12.5 - 22.0		79.5	21.5	11.7	16.8	_	12.6
manufacturing 78.9 19.7 10.0 12.2 - 9.8 Automobile manufacturing 70.0 14.1 5.4 14.3 - 10.1 Light truck and utility vehicle 96.2 30.8 19.0 8.2 - 9.1 Heavy duty truck manufacturing 82.6 31.4 21.5 43.3 - 28.6 Motor vehicle body and trailer 36.2 30.5 19.0 10.4 - 24.7 Motor vehicle body and trailer 36.2 30.5 19.0 10.4 - 24.7 Motor vehicle body manufacturing 25.7 26.4 20.8 12.5 - 22.0							
Automobile manufacturing 70.0 14.1 5.4 14.3 - 10.1 Light truck and utility vehicle 96.2 30.8 19.0 8.2 - 9.1 Heavy duty truck manufacturing 82.6 31.4 21.5 43.3 - 28.6 Motor vehicle body and trailer 36.2 30.5 19.0 10.4 - 24.7 Motor vehicle body and trailer 36.2 30.5 19.0 10.4 - 24.7 Motor vehicle body manufacturing 25.7 26.4 20.8 12.5 - 22.0		78.9	197	10.0	12.2	_	9.8
Light truck and utility vehicle 96.2 30.8 19.0 8.2 - 9.1 Heavy duty truck manufacturing 82.6 31.4 21.5 43.3 - 28.6 Motor vehicle body and trailer 36.2 30.5 19.0 10.4 - 24.7 Motor vehicle body and trailer 36.2 30.5 19.0 10.4 - 24.7 Motor vehicle body manufacturing 36.2 30.5 19.0 10.4 - 24.7 Motor vehicle body manufacturing 25.7 26.4 20.8 12.5 - 22.0			-			_	
manufacturing 96.2 30.8 19.0 8.2 - 9.1 Heavy duty truck manufacturing 82.6 31.4 21.5 43.3 - 28.6 Motor vehicle body and trailer 36.2 30.5 19.0 10.4 - 24.7 Motor vehicle body and trailer 36.2 30.5 19.0 10.4 - 24.7 Motor vehicle body manufacturing 25.7 26.4 20.8 12.5 - 22.0		10.0	17.1	0.7	17.0		
Heavy duty truck manufacturing		06.2	30.8	10.0	8.2	_	0.1
Motor vehicle body and trailer manufacturing							-
manufacturing 36.2 30.5 19.0 10.4 - 24.7 Motor vehicle body and trailer 36.2 30.5 19.0 10.4 - 24.7 Motor vehicle body and trailer 36.2 30.5 19.0 10.4 - 24.7 Motor vehicle body manufacturing 25.7 26.4 20.8 12.5 - 22.0		02.0	51.4	21.3	43.3		20.0
Motor vehicle body and trailer 36.2 30.5 19.0 10.4 - 24.7 Motor vehicle body manufacturing 25.7 26.4 20.8 12.5 - 22.0		20.0	20 5	10.0	40.4		047
manufacturing 36.2 30.5 19.0 10.4 - 24.7 Motor vehicle body manufacturing 25.7 26.4 20.8 12.5 - 22.0		30.2	30.5	19.0	10.4		24.7
Motor vehicle body manufacturing 25.7 26.4 20.8 12.5 – 22.0							
							-
Truck trailer manufacturing 40.0 43.5 31.0 6.2 - 38.1	Truck trailer manufacturing	40.0	43.5	31.0	6.2	-	38.1

				Sour	ce of injury or	illness ⁵	
Industry ³	NAICS code ⁴	Total cases	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials
Travel trailer and camper							
manufacturing Motor vehicle parts manufacturing Motor vehicle gasoline engine and	336214 3363	235.6 151.6	3.9 3.2	13.1 18.5	5.1 4.4	19.4 17.0	60.5 27.7
engine parts manufacturing Carburetor, piston, piston ring, and	33631	103.4	_	13.8	-	11.7	27.5
valve manufacturing	336311	129.3	-	25.7	-	16.5	16.2
manufacturing	336312	97.2	-	11.0	-	10.6	30.2
equipment manufacturing Other motor vehicle electrical and	33632	147.7	3.9	25.3	7.4	13.3	14.3
electronic equipment manufacturing Motor vehicle steering and suspension components (except spring)	336322	120.5	4.6	17.8	3.5	14.4	15.5
manufacturing	33633	172.8	3.3	18.6	-	25.9	23.6
manufacturing Motor vehicle transmission and power	33634	164.8	8.5	14.6	-	47.9	36.1
train parts manufacturing Motor vehicle seating and interior trim	33635	111.9	3.9	11.1	1.7	9.1	32.9
Motor vehicle metal stamping Motor vehicle air-conditioning	33636 33637	118.3 211.8		13.8 20.2	16.1 3.7	28.5 11.1	8.5 45.6
manufacturing Aerospace product and parts	336391	226.5	-	27.5	-	17.7	47.3
manufacturing Aerospace product and parts	3364	99.2	.7	6.6	2.1	7.2	17.1
manufacturing Aircraft manufacturing	33641 336411	99.2 100.1	.7 1.0	6.6 8.5	2.1 1.4	7.2 2.6	17.1 9.0
Other aircraft parts and auxiliary equipment manufacturing Guided missile and space vehicle	336413	123.6	_	5.1	3.4	16.3	38.5
manufacturing Guided missile and space vehicle propulsion unit and propulsion unit	336414	29.0	-	3.6	-	-	-
parts manufacturing	336415	34.9	-	-	-	-	-
Railroad rolling stock manufacturing	3365	120.5	-	-	-	7.7	25.4
Ship and boat building	3366	300.0	3.9	14.4	3.5	15.7	57.7
Ship and boat building	33661	300.0	3.9	14.4	3.5	15.7	57.7
Ship building and repairing	336611	311.5	-	18.1	3.6	15.3	67.8
Boat building Other transportation equipment	336612	281.2	7.8	8.3	3.4	16.4	41.3
manufacturing Other transportation equipment	3369	180.7	_	11.7	-	10.6	38.3
manufacturing	33699	180.7	-	11.7	-	10.6	38.3

			Source of injur	y or illness ⁵		
Industry ³	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶
Travel trailer and camper						
manufacturing	56.2	37.4	10.8	7.1	_	22.1
Motor vehicle parts manufacturing	34.5	17.8	4.6	9.9	-	14.0
Motor vehicle gasoline engine and						
engine parts manufacturing	29.3	9.3	-	2.3	-	6.8
Carburetor, piston, piston ring, and						
valve manufacturing	45.5	13.4	-	-	-	-
Gasoline engine and engine parts	05.4	0.0				7.0
manufacturing	25.4	8.3	-	-	-	7.6
Motor vehicle electrical and electronic equipment manufacturing	49.7	14.2	3.5	6.5	_	9.6
Other motor vehicle electrical and	49.7	14.2	5.5	0.5	_	9.0
electronic equipment						
manufacturing	34.5	10.9	3.1	5.2	_	11.0
Motor vehicle steering and suspension	0 110			0.2		
components (except spring)						
manufacturing	37.6	20.4	13.6	9.3	_	18.1
Motor vehicle brake system						
manufacturing	19.8	7.6	6.0	6.7	-	16.7
Motor vehicle transmission and power						
train parts manufacturing	21.3	10.2	-	6.4	-	14.4
Motor vehicle seating and interior trim	oo 7					
manufacturing	29.7	2.9	3.0	8.3	-	5.3
Motor vehicle metal stamping Motor vehicle air-conditioning	24.7	42.5	5.4	21.6	-	33.7
manufacturing	56.1	_	_	16.5	_	16.5
Aerospace product and parts	50.1	_	_	10.5	_	10.5
manufacturing	28.7	13.6	6.8	5.8	_	10.6
Aerospace product and parts	20.1	10.0	0.0	0.0		10.0
manufacturing	28.7	13.6	6.8	5.8	_	10.6
Aircraft manufacturing	42.9	14.4	5.2	8.1	_	7.1
Other aircraft parts and auxiliary						
equipment manufacturing	22.0	9.4	11.4	4.1	-	12.9
Guided missile and space vehicle						
manufacturing	6.2	9.0	-	-	-	3.2
Guided missile and space vehicle						
propulsion unit and propulsion unit						
parts manufacturing	-	-	- 7.0	-	-	-
Railroad rolling stock manufacturing	23.1	13.7	7.9 23.4	-	-	38.2
Ship and boat building Ship and boat building	80.9 80.9	49.4 49.4	23.4	13.6 13.6		37.5 37.5
Ship building and repairing	67.0	59.3	23.4	12.1	_	39.1
Boat building	103.5	33.4	16.3	16.0	_	34.9
Other transportation equipment	100.0	00.4	10.0	10.0		07.0
manufacturing	31.1	16.5	10.9	42.4	_	13.9
Other transportation equipment						
manufacturing	31.1	16.5	10.9	42.4	_	13.9
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			Source of injury or illness ⁵						
Industry ³	NAICS code ⁴	Total cases	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials		
Motorcycle, bicycle, and parts manufacturing Military armored vehicle, tank, and	336991	183.6	_	11.9	-	15.9	14.3		
tank component manufacturing All other transportation equipment	336992	152.3	-	-	_	-	55.0		
manufacturing	336999	185.8	-	12.8	-	-	63.1		
manufacturing Household and institutional furniture and	337	169.6	1.5	14.0	25.5	26.7	27.8		
kitchen cabinet manufacturing Wood kitchen cabinet and countertop	3371	180.8	1.4	13.9	30.1	28.3	26.6		
manufacturing Household and institutional furniture	33711	200.7	2.5	11.9	35.5	37.8	31.6		
manufacturing Upholstered household furniture	33712	164.5	-	15.6	25.7	20.5	22.5		
manufacturing Nonupholstered wood household	337121	152.4	-	12.1	32.9	9.8	13.9		
furniture manufacturing Metal household furniture	337122	137.0	-	10.9	15.7	13.3	22.2		
manufacturing	337124	211.4	-	26.2	58.0	17.6	_		
Institutional furniture manufacturing Office furniture (including fixtures)	337127	184.1	-	12.7	19.2	15.2	64.7		
manufacturing Office furniture (including fixtures)	3372	164.0	2.0	16.6	13.2	30.4	36.3		
manufacturing Custom architectural woodwork and	33721	164.0	2.0	16.6	13.2	30.4	36.3		
millwork manufacturing Office furniture (except wood)	337212	255.3	-	-	14.4	105.0	70.1		
manufacturing Showcase, partition, shelving, and	337214	91.4	-	-	6.4	6.0	12.4		
locker manufacturing Other furniture related product	337215	194.4	-	29.3	12.5	26.8	41.7		
manufacturing	3379	104.9	-	8.8	23.4	6.4	15.1		
Mattress manufacturing	33791	141.6	-	12.4	29.9	11.0	18.2		
Blind and shade manufacturing	33792	52.8	-	-	14.2	-	10.8		
liscellaneous manufacturing Medical equipment and supplies	339	103.4	2.3	14.3	2.8	12.7	15.1		
manufacturing Medical equipment and supplies	3391	69.8	2.0	6.9	2.0	9.4	8.2		
manufacturing Laboratory apparatus and furniture	33911	69.8	2.0	6.9	2.0	9.4	8.2		
manufacturing Surgical and medical instrument	339111	75.6	_	-	-		20.0		
manufacturing Surgical appliance and supplies	339112	58.2	-	9.4	2.4	4.8	7.1		
manufacturing	339113	89.9	2.3	7.3	-	13.6	13.6		

			Source of injur	y or illness ⁵		
Industry ³	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶
Motorcycle, bicycle, and parts						
manufacturing	40.7	16.5	-	53.3	_	20.2
Military armored vehicle, tank, and						
tank component manufacturing	-	-	-	-	-	-
All other transportation equipment	<u> </u>	45.0	10.5			
manufacturing	26.4	15.8	13.5	39.1	-	-
Furniture and related product manufacturing	26.8	12.6	10.6	6.6	_	17.5
Household and institutional furniture and	20.0	12.0	10.0	0.0	_	17.5
kitchen cabinet manufacturing	28.1	12.4	11.8	6.7	_	21.5
Wood kitchen cabinet and countertop						
manufacturing	21.4	11.9	16.0	6.2	-	26.0
Household and institutional furniture						
manufacturing	33.6	12.9	8.3	7.1	-	17.8
Upholstered household furniture manufacturing	40.6	12.7	7.4	10.3		12.7
Nonupholstered wood household	40.0	12.7	7.4	10.5	_	12.7
furniture manufacturing	24.0	16.4	7.7	6.0	_	20.2
Metal household furniture						
manufacturing	67.3	-	-	-	-	25.8
Institutional furniture manufacturing	32.4	9.5	16.3	_	-	9.2
Office furniture (including fixtures)						
manufacturing Office furniture (including fixtures)	26.2	14.1	8.4	6.4	-	10.2
manufacturing	26.2	14.1	8.4	6.4	_	10.2
Custom architectural woodwork and	20.2	14.1	0.4	0.4		10.2
millwork manufacturing	12.9	9.6	20.1	_	-	-
Office furniture (except wood)						
manufacturing	19.8	22.3	-	12.0	-	6.6
Showcase, partition, shelving, and	05.4	45.4	10.0	7.0		44.0
locker manufacturing Other furniture related product	35.4	15.4	10.3	7.2	-	14.9
manufacturing	19.0	10.2	8.1	6.6	_	7.0
Mattress manufacturing	28.5	15.2	9.6	8.7	_	7.8
Blind and shade manufacturing	_	-	-	_	-	_
Miscellaneous manufacturing	25.0	10.2	6.7	3.9	-	10.4
Medical equipment and supplies						
manufacturing	17.9	8.0	5.3	2.0	-	8.1
Medical equipment and supplies	17.9		5.0	2.0		0.4
manufacturing Laboratory apparatus and furniture	17.9	8.0	5.3	2.0	_	8.1
manufacturing	_	_	_	_	_	_
Surgical and medical instrument						
manufacturing	15.0	8.5	2.5	1.4	-	6.0
Surgical appliance and supplies	a					
manufacturing	20.7	7.0	8.8	2.6	-	12.4
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			Source of injury or illness ⁵						
Industry ³	NAICS code ⁴	Total cases	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials		
Dentel equipment and europlies									
Dental equipment and supplies	339114	81.2							
manufacturing Ophthalmic goods manufacturing	339114	92.9	_	8.5	_	_	_		
Dental laboratories	339116	36.8	_	0.5	_		_		
Other miscellaneous manufacturing	3399	132.9	2.5	20.8	3.4	15.6	21.2		
Jewelry and silverware manufacturing	33991	59.7	2.5	7.1	- 5.4	10.7	6.6		
Jewelry (except costume)				7.1		-	0.0		
manufacturing Sporting and athletic goods	339911	49.0	-	-	-	10.0	_		
manufacturing	33992	167.1	4.4	29.8	5.2	17.8	27.3		
Doll, toy, and game manufacturing Game, toy, and children's vehicle	33993	61.6	-	-	-	11.1	-		
manufacturing Office supplies (except paper)	339932	67.2	-	-	-	13.2	-		
manufacturing Pen and mechanical pencil	33994	138.4	-	48.6	-	17.7	7.4		
manufacturing Carbon paper and inked ribbon	339941	111.7	-	-	-	-	-		
manufacturing	339944	173.8	_	_	_	_	_		
Sign manufacturing	33995	165.3	_	6.7	3.3	19.3	44.3		
All other miscellaneous manufacturing	33999	131.7	3.0	26.5	3.2	14.4	14.5		
Gasket, packing, and sealing device	33333	151.7	5.0	20.5	5.2	14.4	14.5		
manufacturing	339991	98.7	_	12.8	_	27.6	15.9		
Burial casket manufacturing All other miscellaneous	339995	129.3	-	-	-	-	-		
manufacturing	339999	107.1	-	24.3	-	9.5	18.3		
Service providing		122.4	1.6	17.3	5.5	6.0	7.6		
Trade, transportation, and utilities ¹¹		172.5	1.9	35.6	7.0	9.1	15.5		
Wholesale trade	42	145.9	1.2	29.8	3.4	8.9	18.8		
erchant wholesalers, durable goods	423	130.8	1.0	17.4	3.8	8.4	28.4		
Motor vehicle and motor vehicle parts and supplies merchant wholesalers	4231	215.1	1.2	20.3	2.5	5.7	67.2		
Furniture and home furnishing merchant wholesalers	4232	139.9	-	23.5	34.7	9.4	11.2		
Lumber and other construction materials merchant wholesalers	4233	211.9	-	31.2	1.7	5.1	51.1		
Professional and commercial equipment and supplies merchant wholesalers	4234	59.7	1.5	8.9	2.3	5.3	2.6		
Metal and mineral (except petroleum) merchant wholesalers	4235	218.3	-	20.9	10.2	14.9	65.1		
Electrical goods merchant wholesalers	4236	72.7	.9	11.3	1.0	6.0	10.5		

			Source of injur	y or illness ⁵		
Industry ³	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶
Dental equipment and supplies						
manufacturing	32.3	11.3	_	_	_	_
Ophthalmic goods manufacturing	40.3	16.3	6.5	_	_	5.5
Dental laboratories	+0.5	-	0.5	_	_	
Other miscellaneous manufacturing	31.3	12.2	8.0	5.5	_	12.4
Jewelry and silverware manufacturing	10.1	7.1	5.3		_	7.6
Jewelry (except costume)	10.1	7.1	5.5	_	_	7.0
manufacturing	6.1	6.7	7.0			11.3
Sporting and athletic goods	0.1	0.7	7.0	-	_	11.5
manufacturing	37.6	11.1	7.1	9.6		17.1
Doll, toy, and game manufacturing	11.7	14.2	7.1	9.0	_	17.1
	11.7	14.2	-	-	_	_
Game, toy, and children's vehicle	10.0	15.0				
manufacturing	12.9	15.9	-	-	_	-
Office supplies (except paper)	07.0	40.4				
manufacturing	27.9	13.4	-	-	-	8.2
Pen and mechanical pencil	10.0					
manufacturing	48.8	-	-	-	-	-
Carbon paper and inked ribbon						
manufacturing	-	-	-	_	-	-
Sign manufacturing	19.5	25.2	11.2	9.8	-	24.7
All other miscellaneous manufacturing	45.2	6.2	8.7	3.3	-	6.7
Gasket, packing, and sealing device						
manufacturing	18.9	9.3	4.7	-	-	4.2
Burial casket manufacturing	-	-	-	-	-	-
All other miscellaneous						
manufacturing	18.1	4.4	10.4	4.1	-	9.2
Service providing	17.6	25.2	4.4	12.7	7.9	16.7
Trade, transportation, and utilities ¹¹	24.8	30.7	5.9	23.3	.1	18.6
Wholesale trade	20.8	22.0	4.5	22.5	-	13.9
Merchant wholesalers, durable goods	16.2	19.0	5.2	17.5	_	13.8
Motor vehicle and motor vehicle parts and			-			
supplies merchant wholesalers	31.7	23.4	6.0	40.6	_	16.5
Furniture and home furnishing merchant						
wholesalers	11.0	19.0	13.0	6.8	_	11.4
Lumber and other construction materials				0.0		
merchant wholesalers	22.7	36.5	4.8	24.5	_	33.4
Professional and commercial equipment						
and supplies merchant wholesalers	11.7	11.3	1.9	10.9	_	3.2
Metal and mineral (except petroleum)						
merchant wholesalers	22.3	37.4	8.9	8.7	_	29.4
Electrical goods merchant wholesalers	14.6	12.6	3.5	6.3	_	6.0

				Sour	ce of injury or	illness ⁵	
Industry ³	NAICS code ⁴	Total cases	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials
Hardware, and plumbing and heating							
equipment and supplies merchant wholesalers	4237	139.7	_	27.0	5.4	10.5	17.1
Machinery, equipment, and supplies merchant wholesalers	4238	136.1	0.7	17.0	2.1	12.0	37.9
Miscellaneous durable goods merchant wholesalers	4239	125.9	1.7	16.3	2.0	10.4	19.6
Merchant wholesalers, nondurable goods Paper and paper product merchant	424	190.3	1.2	55.6	3.3	10.2	7.8
wholesalers Drugs and druggists' sundries merchant	4241	117.3	-	29.0	7.1	7.6	8.2
wholesalers Apparel, piece goods, and notions	4242	66.8	-	16.6	2.9	-	3.0
merchant wholesalers Grocery and related product merchant	4243	100.6	-	32.9	2.5	6.8	8.7
wholesalers Farm product raw material merchant	4244	264.2	1.4	83.6	3.7	15.3	8.5
wholesalers Chemical and allied products merchant	4245	186.7	-	18.2	-	8.6	10.7
wholesalers	4246	114.1	-	36.1	-	11.6	2.5
merchant wholesalers Beer, wine, and distilled alcoholic	4247	191.4	-	35.6	-	5.5	24.4
beverage merchant wholesalers Miscellaneous nondurable goods merchant	4248	366.9	-	136.3	5.0	4.9	3.1
wholesalers Wholesale electronic markets and agents and	4249	132.6	1.7	26.9	3.5	11.5	7.0
brokers Wholesale electronic markets and agents	425	84.7	2.4	10.1	2.1	7.4	8.9
and brokers	4251	84.7	2.4	10.1	2.1	7.4	8.9
Retail trade	44-45	146.3	2.0	29.2	9.3	10.0	11.5
Motor vehicle and parts dealers	441 4411	141.1 137.1	4.5 4.3	5.6 4.8	4.9 2.6	2.7 2.4	29.5 25.3
New car dealers	44111	143.8	4.5	5.1	2.9	2.6	27.3
Used car dealers	44112	72.9	2.0	1.9	2.5		6.4
Other motor vehicle dealers	4412	122.0		13.5	12.5	_	19.8
Recreational vehicle dealers	4412	155.9	_	- 13.5	12.0	_	21.4
	44121	155.9	-	-	-	-	21.4
Motorcycle, boat, and other motor vehicle dealers	44122	110.4	-	18.2	16.0	-	19.3
Automotive parts, accessories, and tire stores Automotive parts and accessories	4413	158.3	6.2	5.4	8.6	3.9	43.9
	44404	100.4	0.5		2.0	<u>.</u>	04 5
stores	44131	123.1	9.5	7.5	3.8	1.5	21.5
Tire dealers	44132	223.8	-	-	17.3	8.3	85.7
Furniture and home furnishings stores	442	180.2	-	28.1	46.6	4.9	12.4

Industry3Worker motion or positionFloors, walkways or ground surfacesHandtoolsVehiclesHealth care patientHardware, and plumbing and heating equipment and supplies merchant wholesalers16.526.32.222.6-Machinery, equipment, and supplies merchant wholesalers16.526.32.222.6-Machinery, equipment, and supplies merchant wholesalers12.117.48.617.3-Miscellaneous durable goods13.511.93.817.7-Merchant wholesalers, nondurable goods29.93.532.6-Paper and paper product merchant wholesalers25.812.12.819.4-Drugs and druggists' sundries merchant wholesalers13.714.3-3.6-Apparel, piece goods, and notions merchant wholesalers13.714.3-3.6-Grocery and related product merchant wholesalers38.943.12.447.1-Farm product raw material merchant wholesalers10.166.27.625.5-	All other sources ⁶ 11.4 10.9 28.8 16.2 4.9 3.4 17.1 20.1 34.5
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Paper and paper product merchant wholesalers25.812.12.819.4-Drugs and druggists' sundries merchant wholesalers8.311.52.617.8-Apparel, piece goods, and notions merchant wholesalers13.714.3-3.6-Grocery and related product merchant wholesalers38.943.12.447.1-Farm product raw material merchant wholesalers10.166.27.625.5-	4.9 3.4 17.1 20.1
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Farm product raw material merchant wholesalers10.166.27.625.5-	
wholesalers 10.1 66.2 7.6 25.5 –	34.5
	34.5
Chemical and allied products merchant	07.0
wholesalers 31.7 12.2 5.6 5.4 -	7.0
Petroleum and petroleum products merchant wholesalers	42.7
Beer, wine, and distilled alcoholic	42.7
beverage merchant wholesalers	15.0
Miscellaneous nondurable goods merchant	10.0
wholesalers	13.0
Wholesale electronic markets and agents and	
brokers 14.0 12.4 4.8 14.8 -	7.9
Wholesale electronic markets and agents	
and brokers 14.0 12.4 4.8 14.8 -	7.9
Retail trade 20.8 28.7 6.8 11.5 -	16.6
Motor vehicle and parts dealers	15.2
Automobile dealers 21.0 20.0 9.3 21.0 -	16.0
New car dealers 21.3 22.6 30.7 10.6 22.4 -	15.2
Used car dealers	23.1
Other motor vehicle dealers 20.4 28.7 4.0 14.0 -	6.1
Recreational vehicle dealers 20.4 20.7 4.0 14.0 Recreational vehicle dealers 63.8 39.7 - 21.1 -	_
Motorcycle, boat, and other motor	
vehicle dealers	7.2
Automotive parts, accessories, and tire	
stores	16.2
Automotive parts and accessories	
stores 13.0 14.5 3.1 33.2 -	15.6
Tire dealers 32.2 32.8 19.1 9.5 - Functional and the set of the s	17.5
Furniture and home furnishings stores 21.5 27.8 10.1 8.2 –	20.3

				Sour	ce of injury or	illness ⁵	
Industry ³	NAICS code ⁴	Total cases	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials
Furniture stores	4421	159.5	_	10.4	63.8	3.9	9.9
Home furnishings stores	4422	205.3	_	49.7	25.8	6.1	15.4
Floor covering stores	44221	186.6	_	35.3	10.6	_	19.4
Other home furnishings stores	44229	219.2	_	60.3	37.1	8.8	12.4
Electronics and appliance stores	443	65.4	_	6.7	2.6	19.3	2.8
Electronics and appliance stores Appliance, television, and other	4431	65.4	-	6.7	2.6	19.3	2.8
electronics stores	44311	75.8	_	6.3	3.6	25.2	2.8
Computer and software stores	44312	41.6	_	7.1	-	8.1	3.0
Camera and photographic supplies						0.1	0.0
stores	44313	71.9	_	_	_	_	_
Building material and garden equipment and							
supplies dealers	444	211.9	2.0	30.0	9.6	12.7	42.2
Building material and supplies dealers	4441	220.6	1.7	31.9	10.6	13.2	45.3
Home centers	44411	238.6	1.6	40.1	15.3	15.3	48.0
Paint and wallpaper stores	44412	118.3	_	_	_	-	_
Hardware stores	44413	130.7	4.3	12.8	_	14.4	18.6
Other building material dealers	44419	236.0	_	24.0	6.3	10.0	56.9
Lawn and garden equipment and supplies		200.0		2	010		0010
stores	4442	139.4	_	14.7	_	8.6	16.3
Outdoor power equipment stores	44421	46.1	_	_	_	17.0	_
Nursery and garden centers	44422	167.5	_	19.2	_	6.1	21.3
Food and beverage stores	445	194.1	1.2	48.3	5.7	25.4	1.8
Grocery stores	4451	203.6	1.4	51.2	6.4	28.2	1.9
Supermarkets and other grocery (except	-			_			
convenience) stores	44511	209.0	1.5	53.7	6.7	28.1	2.0
Specialty food stores	4452	143.3	_	27.4	2.2	13.2	_
Meat markets	44521	164.3	_	10.0	-	38.4	-
Fruit and vegetable markets	44523	95.1	-	11.9	_	7.2	-
Other specialty food stores	44529	170.3	-	43.3	_	7.3	-
Health and personal care stores	446	76.1	3.9	16.1	3.5	1.8	.3
Health and personal care stores	4461	76.1	3.9	16.1	3.5	1.8	.3
Pharmacies and drug stores	44611	77.9	.9	18.6	3.8	2.1	-
Cosmetics, beauty supplies, and							
perfume stores	44612	46.1	-	9.9	3.2	-	-
Optical goods stores	44613	11.6		-	-	-	-
Other health and personal care stores	44619	131.6	-	14.7	-	-	-
Gasoline stations	447	120.6	2.1	29.5	4.1	5.4	4.0
Gasoline stations	4471	120.6	2.1	29.5	4.1	5.4	4.0
Gasoline stations with convenience							
stores	44711	121.3	1.6	33.7	4.6	5.9	3.1
Other gasoline stations	44719	116.5	5.3	5.0	-	-	9.1
Clothing and clothing accessories stores	448	62.5	.3	9.5	9.8	1.4	2.4
Clothing stores	4481	69.2	.3	12.2	11.4	1.7	3.2
Men's clothing stores	44811	22.9	-	4.7	-	-	
Women's clothing stores	44812	55.7		4.5	9.1	-	6.2
Family clothing stores	44814	93.7	.5	15.8	15.8	3.3	3.0

Industry3 Worker motion or position Floors, walkways or ground surfaces Handtools Vehicles Health care patient Furniture stores 14.5 30.8 3.6 7.5 - Home furnishings stores 30.0 24.2 17.9 9.0 - Floor covering stores 47.4 14.5 25.8 8.0 - Other home furnishings stores 6.2 16.5 1.7 4.9 - Electronics and appliance stores 6.2 16.5 1.7 4.9 - Appliance, television, and other electronics stores 7.4 18.2 1.9 5.7 - Computer and software stores 7.4 18.2 1.9 5.7 - Building material and garden equipment and supplies dealers 26.8 33.5 6.6 21.0 - Handware stores - 64.4 - - - - Home centers 25.2 39.3 7.8 28.8 - Lawn and garden equipment and supplies - <t< th=""><th>All other sources⁶ 15.1 26.7 22.3 30.0 4.6 4.6</th></t<>	All other sources ⁶ 15.1 26.7 22.3 30.0 4.6 4.6
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Camera and photographic supplies stores - 39.4 -<	4.7
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Building material and garden equipment and supplies dealers 26.8 33.5 6.6 21.0 - Building material and supplies dealers 28.2 35.1 6.1 20.2 - Home centers 35.2 28.8 6.3 20.2 - Paint and wallpaper stores - 64.4 - - - Hardware stores 15.4 46.9 1.7 6.2 - Other building material dealers 22.5 39.3 7.8 28.8 - Lawn and garden equipment and supplies 15.3 20.3 10.7 27.4 - Outdoor power equipment stores - - - - - - Nursery and garden centers 15.5 25.6 13.9 32.8 - Food and beverage stores 30.5 35.2 14.0 10.3 - Supermarkets and other grocery (except - - - - - Specialty food stores 32.6 36.6 16.2 9.1 - Meat markets 36.2 34.8 18.5 10.6 <td></td>	
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Paint and wallpaper stores - 64.4 - <t< td=""><td>28.3</td></t<>	28.3
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Other building material dealers 22.5 39.3 7.8 28.8 - Lawn and garden equipment and supplies stores 15.3 20.3 10.7 27.4 - Outdoor power equipment stores - - - - - - Nursery and garden centers 15.5 25.6 13.9 32.8 - Food and beverage stores 30.5 35.2 14.0 10.3 - Grocery stores 31.3 35.5 15.4 8.6 - Supermarkets and other grocery (except convenience) stores 32.6 36.6 16.2 9.1 - Meat markets 36.2 34.8 18.5 10.6 -	-
Lawn and garden equipment and supplies stores 15.3 20.3 10.7 27.4 - Outdoor power equipment stores -	8.8
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Food and beverage stores 30.5 35.2 14.0 10.3 - Grocery stores 31.3 35.5 15.4 8.6 - Supermarkets and other grocery (except convenience) stores 32.6 36.6 16.2 9.1 - Specialty food stores 30.9 32.2 7.2 19.4 - Meat markets 36.2 34.8 18.5 10.6 -	-
Grocery stores 31.3 35.5 15.4 8.6 - Supermarkets and other grocery (except convenience) stores 32.6 36.6 16.2 9.1 - Specialty food stores 30.9 32.2 7.2 19.4 - Meat markets 36.2 34.8 18.5 10.6 -	25.9
Supermarkets and other grocery (except convenience) stores 32.6 36.6 16.2 9.1 - Specialty food stores 30.9 32.2 7.2 19.4 - Meat markets 36.2 34.8 18.5 10.6 -	21.6
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Specialty food stores 30.9 32.2 7.2 19.4 - Meat markets 36.2 34.8 18.5 10.6 -	
Meat markets 36.2 34.8 18.5 10.6 -	22.5
	9.6
Fruit and vegetable markets 19.5 24.5 5.2 17.0 -	8.7
	6.5
Other specialty food stores	12.1
Health and personal care stores 12.5 27.4 1.3 3.2 -	6.0
Health and personal care stores 12.5 27.4 1.3 3.2 -	6.0
Pharmacies and drug stores 12.3 29.3 .8 3.5 -	6.2
Cosmetics, beauty supplies, and	
perfume stores 12.7 5.5 – 3.3 –	9.1
Optical goods stores – 5.2 – – –	
Other health and personal care stores 20.9 46.9 5.5 – – –	5.4
Gasoline stations 14.9 35.7 4.5 5.0 -	15.5
Gasoline stations 14.9 35.7 4.5 5.0 -	15.5
Gasoline stations with convenience	100
stores 14.5 32.6 4.9 4.2 -	16.3
Other gasoline stations 17.2 54.0 – 9.4 –	10.7
Clothing and clothing accessories stores 8.4 17.5 1.6 1.5 -	10.3
Clothing stores 8.1 16.2 2.2 1.8 –	12.1
Men's clothing stores 3.4 2.8 - <td>5.9</td>	5.9
Women's clothing stores 3.8 17.8 -	13.9
Family clothing stores 12.9 21.7 1.7 2.8 -	16.1

				Sourc	ce of injury or	illness ⁵	
Industry ³	NAICS code ⁴	Total cases	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials
Clothing accessories stores	44815	12.7	_	_	_	_	_
Other clothing stores	44819	19.8	_	2.3	2.7	_	_
Shoe stores	4482	80.6	_	4.1	10.4	_	_
Jewelry, luggage, and leather goods	4402	00.0		7.1	10.4		
stores	4483	11.7	_	_	_	_	_
Jewelry stores	44831	11.4	_	_	_	_	_
Sporting goods, hobby, book, and music	11001						
stores	451	77.1	_	16.2	8.4	1.7	0.8
Sporting goods, hobby, and musical					0		0.0
instrument stores	4511	91.7	_	16.6	11.1	2.5	1.0
Sporting goods stores	45111	74.9	_	8.7	10.0	2.6	1.7
Hobby, toy, and game stores	45112	139.7	-	29.5	19.9	3.9	_
Sewing, needlework, and piece goods							
stores	45113	81.2	-	27.5	_	_	-
Musical instrument and supplies	-			-			
stores	45114	48.0	_	6.3	_	_	-
Book, periodical, and music stores	4512	46.5	-	15.5	2.6	-	-
Book stores and news dealers Prerecorded tape, compact disc, and	45121	52.1	-	16.6	2.8	-	_
record stores	45122	29.5	-	12.1	-	-	_
General merchandise stores	452	170.5	2.3	49.6	14.2	10.7	6.5
Department stores	4521	175.5	2.9	44.7	17.0	8.2	5.1
Other general merchandise stores	4529	165.0	1.7	54.9	11.0	13.4	8.0
Warehouse clubs and superstores	45291	157.8	2.1	52.0	7.3	11.7	6.4
All other general merchandise stores	45299	-	-	64.7	23.6	19.0	13.3
Viscellaneous store retailers	453	118.7	-	25.6	10.2	5.5	4.5
Florists	4531	65.8	-	8.6	-	-	-
Office supplies, stationery, and gift stores	4532	111.8	-	27.7	12.4	4.6	2.5
Office supplies and stationery stores	45321	137.6	-	35.2	16.5	8.4	2.8
Gift, novelty, and souvenir stores	45322	84.7	-	19.9	8.1	-	2.2
Used merchandise stores	4533	164.7	-	48.1	11.1	5.0	6.3
Other miscellaneous store retailers	4539	126.3	-	19.9	10.0	6.1	7.7
Pet and pet supplies stores	45391	162.4	-	40.0	9.4	3.0	6.6
Manufactured (mobile) home dealers	45393	152.2	-	-	-	17.0	35.3
All other miscellaneous store retailers	45399	118.6	-	15.1	12.7	6.5	4.3
Nonstore retailers	454	134.5	2.2	37.6	1.5	5.9	4.2
Electronic shopping and mail-order		_					
houses	4541	68.8	.9	18.6	2.0	4.3	1.0
Vending machine operators	4542	172.7	-	47.6	-	11.9	4.9
Direct selling establishments	4543	218.3	4.8	62.2	-	6.4	8.7
Fuel dealers Other direct selling establishments	45431 45439	215.8 223.6	7.0	41.3 107.4	_	7.0	12.7
Transportation and warehousing ¹¹	48-49	292.8	2.4	67.1	5.9	7.0	22.2
Air transportation	481	525.3	2.3	198.1	7.7	10.6	13.2
Scheduled air transportation	4811	561.6	2.5	215.0	8.1	11.7	14.1

			Source of injur	y or illness ⁵		
Industry ³	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶
Clothing accessories stores	_	_	_	_	_	_
Other clothing stores	5.6	3.0	_	_	_	4.2
Shoe stores	18.4	35.8	_	_	_	10.7
Jewelry, luggage, and leather goods						
stores	-	7.3	-	-	-	-
Jewelry stores	-	7.5	-	-	-	_
Sporting goods, hobby, book, and music		_				
stores	8.3	19.1	4.7	7.1	-	10.5
Sporting goods, hobby, and musical						
instrument stores	9.4	20.6	6.0	9.4	-	14.6
Sporting goods stores	7.0	15.2	6.6	14.2	-	8.8
Hobby, toy, and game stores	18.3	25.2	6.6	5.7	-	28.6
Sewing, needlework, and piece goods						
stores	-	43.4	-	-	-	-
Musical instrument and supplies						
stores	-	7.3	8.8	6.0	-	14.9
Book, periodical, and music stores	5.9	16.1	1.9	2.1	-	2.0
Book stores and news dealers	5.7	18.9	2.5	2.7	-	2.7
Prerecorded tape, compact disc, and						
record stores	6.4	7.4	-	-	-	-
General merchandise stores	24.1	30.9	4.4	9.7	-	18.2
Department stores	26.2	35.9	4.4	8.7	-	22.5
Other general merchandise stores	21.8	25.4	4.4	10.8	-	13.5
Warehouse clubs and superstores	19.8	26.2	5.4	12.8	-	14.0
All other general merchandise stores	28.8	23.0	-	4.1	-	11.8
Miscellaneous store retailers	16.0	24.8	4.6	13.9	-	13.4
Florists	13.0	24.1	-	-	-	7.0
Office supplies, stationery, and gift stores	18.0	25.6	2.9	9.7	-	7.9
Office supplies and stationery stores	20.2	23.0	4.8	17.8	-	8.2
Gift, novelty, and souvenir stores	15.7	28.5	-	1.1	-	7.6
Used merchandise stores	12.8	26.5	-	33.8	-	18.4
Other miscellaneous store retailers	15.8	23.5	8.2	14.9	-	20.2
Pet and pet supplies stores	15.5	37.5	3.2	7.1	-	40.1
Manufactured (mobile) home dealers	19.3	39.6	-	-	-	24.7
All other miscellaneous store retailers	17.5	16.6	12.3	23.4	-	10.2
Nonstore retailers	24.8	27.1	3.1	14.9	-	13.1
Electronic shopping and mail-order						
houses	17.9	14.3	1.8	2.6	-	5.4
Vending machine operators	21.4	23.5	-	20.0	-	36.4
Direct selling establishments	36.1	46.9	4.6	31.3	-	16.7
Fuel dealers	38.8	59.5	6.6	23.1	-	19.5
Other direct selling establishments	30.2	19.8		49.0	-	10.5
Transportation and warehousing ¹¹	41.8	49.1	4.9	61.8	0.3	30.4
Air transportation	70.5	66.3	3.9	95.0	_	57.3
Scheduled air transportation	74.8	69.4	4.0	100.1	_	61.6

				Sour	e of injury or	illness ⁵	
Industry ³	NAICS code ⁴	Total cases	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials
Nonscheduled air transportation	4812	181.6	_	38.8	4.1	_	5.1
Rail transportation ¹¹	482	163.7	_	2.7	4.1	1.1	7.5
Water transportation	483	179.8	3.5	14.3	_	6.5	39.6
Deep sea, coastal, and great lakes water					_		
transportation	4831	176.8	-	11.3	-	-	35.9
Inland water transportation	4832	183.7	-	18.1	_	8.3	44.3
ruck transportation	484	290.8	3.1	43.1	8.7	6.4	29.8
General freight trucking	4841	292.4	4.1	49.3	3.9	6.2	32.0
General freight trucking, local	48411	212.7	4.1	46.1	5.8	5.0	18.5
General freight trucking, long-distance	48412	315.5	4.1	50.2	3.4	6.6	35.9
Specialized freight trucking Used household and office goods	4842	286.7	-	27.3	20.8	6.8	24.2
moving Specialized freight (except used goods)	48421	303.4	-	35.5	87.4	17.5	12.2
trucking, local Specialized freight (except used goods)	48422	272.9	-	25.2	-	4.4	23.2
trucking, long-distance	48423	297.4	-	24.9	3.9	3.3	34.1
transportation	485	231.4	3.1	15.9	_	.8	9.0
Urban transit systems	4851	424.5	16.8	14.7	_		24.6
Taxi and limousine service	4853	213.6	_	20.4	_	_	4.4
Taxi service	48531	253.5	_	18.6	_	_	5.8
Limousine service	48532	175.2	_	22.1	_	_	-
School and employee bus transportation	4854	171.6	_	_	_	_	6.9
Charter bus industry Other transit and ground passenger	4855	149.6	-	16.8	-	-	9.5
transportation	4859	225.5	_	22.1	_	_	9.3
Pipeline transportation	486	60.6	_		_	_	5.1
Pipeline transportation of natural gas	4862	78.9	_	_	_	_	7.6
Scenic and sightseeing transportation Scenic and sightseeing transportation,	487	208.3	_	21.1	-	-	49.3
water	4872	165.6	-	-	-	-	88.6
Support activities for transportation	488	227.1	2.6	29.0	2.0	8.0	32.0
Support activities for air transportation	4881	177.6	2.2	36.1	1.6	5.9	15.5
Support activities for rail transportation	4882	305.2	-	32.1	-	31.6	42.9
Support activities for water transportation	4883	413.0	4.4	26.3	-	17.4	64.3
Support activities for road transportation	4884	195.5	-	14.5	-	-	14.6
Motor vehicle towing	48841	128.9	-	-	-	-	19.6
Other support activities for transportation	4889	127.0	5.7	37.9	-	11.9	6.3
Couriers and messengers	492	402.2	1.0	148.5	4.7	7.5	11.8
Couriers	4921	425.5	1.1	160.0	4.7	8.1	12.4
Local messengers and local delivery	4922	200.4	-	48.9	-	-	6.3
Narehousing and storage	493	220.9	1.8	72.5	7.8	11.1	19.4
Warehousing and storage	4931	220.9	1.8	72.5	7.8	11.1	19.4
General warehousing and storage	49311	216.9	2.0	74.5	8.8	12.4	19.8
Refrigerated warehousing and storage	49312	220.9	1.8	72.5	7.8	11.1	19.4
Other warehousing and storage	49319	202.5	-	49.7	-	-	_

			Source of injur	y or illness ⁵		
Industry ³	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶
Nonscheduled air transportation	29.3	37.5	_	46.8	_	16.5
Rail transportation ¹¹		32.7	7.5	21.0	_	88.5
Water transportation	35.4	32.0	5.6	19.3	-	22.5
Deep sea, coastal, and great lakes water						
transportation	36.4	36.8	_	23.2	_	20.8
Inland water transportation	34.0	25.7	12.4	14.2	_	24.9
Truck transportation	35.2	61.9	5.5	75.9	-	21.2
General freight trucking	34.3	62.3	4.9	74.6	_	20.6
General freight trucking, local	21.5	41.0	3.6	49.0	-	18.1
General freight trucking, long-distance	38.0	68.5	5.3	82.0	-	21.4
Specialized freight trucking Used household and office goods	37.3	60.7	7.1	79.3	-	22.7
moving Specialized freight (except used goods)		60.8	7.5	41.2	_	21.0
trucking, local Specialized freight (except used goods)	43.6	51.3	9.0	81.4	_	31.0
trucking, long-distance Transit and ground passenger	39.0	75.7	3.7	102.3	_	10.5
transportation		47.5	2.3	92.6	3.7	26.3
Urban transit systems	71.5	41.0	10.2	187.8	-	55.1
Taxi and limousine service	21.2	31.6	-	92.0	14.4	26.6
Taxi service	-	21.8	-	136.9	20.6	27.8
Limousine service		41.0	-	48.8	8.4	25.5
School and employee bus transportation		54.3	2.0	70.1	-	15.5
Charter bus industry Other transit and ground passenger		35.3	-	32.4	_	21.2
transportation		42.9	-	90.4	4.5	24.1
Pipeline transportation		-	15.5	5.8	-	9.2
Pipeline transportation of natural gas		-	23.2	8.1	-	8.5
Scenic and sightseeing transportation Scenic and sightseeing transportation,		43.0	-	54.5	-	16.8
water		24.2		-	-	
Support activities for transportation		38.8	9.8	43.8	-	26.5
Support activities for air transportation		42.9	4.6	24.8	-	21.0
Support activities for rail transportation		106.3	-	20.9	-	53.1
Support activities for water transportation		53.8	34.9	81.8	-	54.9
Support activities for road transportation		30.4	-	88.5		16.6
Motor vehicle towing		30.4	-	40.3	-	16.0
Other support activities for transportation		8.4	30.0	14.4	-	6.7
Couriers and messengers		50.5 54.7	.8 .8	55.8 54.8	-	28.5 29.7
Couriers		54.7 14.0	.0	54.8 64.1	-	29.7 17.8
Local messengers and local delivery	-	23.9	1.7	-	_	17.8
Warehousing and storage Warehousing and storage		23.9	1.7	31.2 31.2		19.1
General warehousing and storage		23.9	1.7	25.7		17.8
Refrigerated warehousing and storage		23.9	1.7	31.2		17.8
Other warehousing and storage		43.6		28.1		23.7
Calor watchousing and storage				20.1		20.1

				Sour	ce of injury or	illness ⁵	
Industry ³	NAICS code ⁴	Total cases	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials
Utilities	22	131.9	1.6	6.3	0.9	6.0	19.7
Jtilities Electric power generation, transmission	221	131.9	1.6	6.3	.9	6.0	19.7
and distribution	2211	115.6	.7	2.7	1.0	3.6	21.0
Electric power generation Electric power transmission, control, and	22111	85.8	.9	1.8	.7	3.6	12.2
distribution	22112	160.3	-	4.1	1.5	3.5	34.1
Natural gas distribution	2212	157.9	2.8	6.9	-	10.1	10.3
Water, sewage and other systems	2213	228.9	7.3	40.4	-	19.6	31.5
Water supply and irrigation systems	22131	165.7	7.6	22.9	-	14.1	16.3
Sewage treatment facilities	22132	369.7	-	60.6	-	44.7	40.6
Information		74.7	1.1	6.4	1.5	3.9	5.2
Information	51	74.7	1.1	6.4	1.5	3.9	5.2
Publishing industries (except Internet) Newspaper, periodical, book, and directory	511	71.4	.6	11.7	.9	8.2	2.4
publishers	5111	94.7	.8	16.3	1.2	11.5	3.3
Newspaper publishers	51111	135.9	.7	23.0	1.6	16.8	4.9
Periodical publishers	51112	31.3	1.4	5.7	-	3.1	1.8
Book publishers	51112	41.6	1.4	7.3	_	4.6	1.0
Directory and mailing list publishers	51113	92.4		21.2	_	10.3	_
Other publishers	51114	92.4 75.7	_	7.8	_	11.4	_
Software publishers	5112	13.8	_	- 1.0	-		_
Motion picture and video exhibition	51213	80.8	_	8.8	4.0	_	4.7
Postproduction services and other	51010	15 1					
motion picture and video industries	51219	45.1			_ 2.4		_
Broadcasting (except Internet)	515	59.3	.8	2.4		1.6	2.0
Radio and television broadcasting	5151	45.2	1.0	1.6	2.7	1.3	1.5
Radio broadcasting	51511	29.7			3.6	1.7	-
Television broadcasting Cable and other subscription	51512	57.1	1.8	1.8	2.1		2.7
programming	5152	94.5	-	4.6	_	2.5	3.1
elecommunications	517	106.1	2.2	5.3	1.5	2.9	11.0
Wired telecommunications carriers	5171	111.4	.4	4.7	1.8	4.7	8.4
Telecommunications resellers	5173	90.7	13.1	1.9	1.2	-	5.5
Cable and other program distribution nternet service providers, web search	5175	216.3	-	16.0	1.6	2.1	38.9
portals, and data processing services Data processing, hosting, and related	518	30.8	-	3.5	1.1	1.9	1.0
services	5182	32.7	-	4.8	1.4	2.6	1.4
Other information services	519	30.7	-	-	-	-	_
Other information services	5191	30.7		-	-	-	_
News syndicates	51911	24.5	_	-	-		_

			Source of injur	y or illness ⁵		
Industry ³	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶
1.000				10.5		
Utilities	30.9	26.2	8.4	10.5	_	21.4
Utilities Electric power generation, transmission	30.9	26.2	8.4	10.5	-	21.4
and distribution	28.9	23.8	6.8	7.7	-	19.4
Electric power generation	21.5	19.1	5.8	7.6	-	12.7
Electric power transmission, control, and	40.4	20.0	0.4	7.0		00 5
distribution	40.1	30.9	8.4	7.9	-	29.5
Natural gas distribution Water, sewage and other systems	44.5 15.5	29.9 41.3	13.1 12.1	18.9 17.5	-	20.6 43.7
Water supply and irrigation systems	16.7	23.4	12.1	11.9	_	43.7
Sewage treatment facilities	-	79.6	22.3	42.9	_	57.2
oewage treatment lacinties		10.0	22.5	42.5		57.2
Information	16.0	20.3	1.9	7.5	-	10.9
Information	16.0	20.3	1.9	7.5	-	10.9
Publishing industries (except Internet)	11.8	18.0	1.4	10.3	_	6.1
Newspaper, periodical, book, and directory	10.0					
publishers	16.0	21.3	1.9	14.0	-	8.3
Newspaper publishers	22.8 3.9	30.0 5.3	2.3	22.0 3.2	-	11.8 5.4
Periodical publishers Book publishers	3.9 10.2	5.3 11.6	2.6	3.2 2.1	_	5.4
Directory and mailing list publishers	9.2	30.8	2.0	10.6	-	8.5
Other publishers	22.9	9.3	_	12.5	_	0.5
Software publishers	1.4	9.7	_	1.1	_	_
Motion picture and video exhibition Postproduction services and other	10.7	46.1	-	_	-	_
motion picture and video industries	21.6	_	_	_	_	16.7
Broadcasting (except Internet)	11.6	15.9	1.4	7.0	_	14.1
Radio and television broadcasting	5.7	14.3	_	8.3	_	8.4
Radio broadcasting	_	11.8	_	7.9	_	_
Television broadcasting	8.4	16.1	-	8.6	_	13.2
Cable and other subscription						
programming	26.2	20.0	4.0	3.9	-	28.4
Telecommunications	25.3	28.3	2.9	8.1	-	18.6
Wired telecommunications carriers	24.9	31.3	5.1	9.7	-	20.4
Telecommunications resellers	37.5	14.5	-	6.1	-	9.3
Cable and other program distribution	38.0	63.2	-	14.4	-	40.0
Internet service providers, web search	7 5	107	4.5			10
portals, and data processing services	7.5	10.7	1.5	2.3	-	1.0
Data processing, hosting, and related services	10.4	5.4	2.2	2.7		1.1
Other information services	9.8	13.2	2.2	2.1	_	
Other information services	9.8 9.8	13.2	_	_	_	_
News syndicates	-	-	_	_	_	_

				Sour	ce of injury or	illness ⁵	
Industry ³	NAICS code ⁴	Total cases	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials
Libraries and archives Other information services	51912 51919	38.2 23.5					
Financial activities		52.9	1.5	3.9	3.1	2.7	2.8
Finance and insurance	52	25.9	.3	1.8	1.3	.9	.4
Monetary authorities - central bank Credit intermediation and related activities Depository credit intermediation Commercial banking Savings institutions Credit unions Nondepository credit intermediation Credit card issuing Sales financing Other nondepository credit intermediation	521 5221 5221 52211 52212 52213 5222 5222	51.7 27.3 30.7 25.5 47.7 45.8 21.4 25.4 13.1 22.3 24.8 13.1 12.9 14.0 9.9 12.0 12.2 8.7 15.3 28.7 31.0 29.6 33.8 5.8 25.2 23.6	.3 .1	9.3 2.2 2.9 2.3 4.8 4.7 1.1 3.5 1.6 .5 - .8 .8 .8 - .6 - .6 - 1.5 1.5 1.5 1.7 1.1 - 1.7 1.5	1.3 9.7 1.7 2.3 1.6 4.7 4.4 .8 - .8 - 1.4 .4 - 3.1 4.1 2.4 4.1 2.4 4.1 2.4 4.1 .8 1.0 1.2 .8 - .8 - .4 - .4 .4 .4 .4 .4 .4 .4 .4 .4 .4	.9 - 1.3 1.3 - 2.1 1.1 - 1.3 4.3 .5 .7 - - .3 .5 .7 .3 - - - .3 - .7 .3 - - - .3 - .7 .3 - - - .3 - .5 .7 .7 .3 - .5 .7 .3 - .5 .7 .3 - .5 .7 .3 .5 .7 .5 .7 .3 .5 .7 .5 .7 .3 .5 .7 .5 .7 .5 .7 .5 .7 .5 .7 .5 .7 .5 .7 .5 .7 .5 .7 .3 .5 .7 .5 .7 .5 .7 .5 .7 .5 .7 .5 .7 .5 .7 .5 .7 .5 .7 .3 .5 .7 .5 .7 .5 .7 .5 .7 .5 .7 .3 .5 .7 .3 .5 .7 .3 .5 .7 .3 .5 .7 .3 .5 .7 .3 .5 .7 .3 .5 .7 .3 .5 .7 .3 .5 .7 .3 .5 .7 .3 .5 .7 .3 .5 .3 .5 .3 .5 .3 .5 .7 .3 .5 .3 .5 .7 .3 .5 .3 .5 .7 .3 .5 .7 .3 .5 .3 .5 .7 .3 .5 .3 .5 .7 .3 .5 .3 .5 .3 .5 .3 .5 .3 .5 .3 .5 .3 .5 .3 .5 .3 .5 .5 .3 .5 .3 .5 .5 .3 .5 .5 .3 .5 .5 .5 .5 .3 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5	.4 .2 .3 - - - - .3 .4 - - .5 .3 .4 - .5 .3 .4 - .5 .3 .4 - .5 .3 .4 - .5 .3 .4 - .5 .3 .4 - .5 .3 .4 - .5 .3 .4 - .5 .3 .4 - .5 .3 .4 .4 .5 .3 .4
Other insurance related activities Funds, trusts, and other financial vehicles Insurance and employee benefit funds Pension funds Other insurance funds Other investment pools and funds	52429 525 5251 52511 52519 5259	29.7 21.0 15.7 17.9 21.7 27.3	- - - - - -	2.0 	- - - - - -	- - - - - -	

			Source of injur	y or illness ⁵		
Industry ³	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶
Libraries and archives	_	23.9	_	_	_	_
Other information services	20.1	-	-	-	-	-
Financial activities	9.4	13.0	2.3	4.7	0.2	9.3
Finance and insurance	6.9	8.2	.3	1.2	.1	4.5
Monetary authorities - central bank	12.5	11.2	_	_	_	_
Credit intermediation and related activities	6.8	8.7	.1	.9	_	5.4
Depository credit intermediation	8.2	8.6	'	.9	_	6.1
	8.0	7.9	-	.9 .8	_	3.3
Commercial banking			-	.0	_	
Savings institutions	4.3	9.0	-	-	-	21.3
Credit unions	14.6	13.0	-	-	-	5.8
Nondepository credit intermediation	4.4	7.7	-	1.1	-	4.9
Credit card issuing	4.6	10.0	-	-	-	4.1
Sales financing	4.7	1.8	-	1.6	-	2.1
Other nondepository credit						
intermediation	4.3	8.5	-	1.1	-	5.6
Other activities related to credit						
intermediation	6.6	10.8	-	-	-	-
Securities, commodity contracts, and other						
financial investments and related activities	2.5	4.7	_	1.2	_	1.0
Securities and commodity contracts						
intermediation and brokerage	3.1	4.9	_	1.3	_	.9
Investment banking and securities	0.1	4.0		1.0		
dealing	6.4	2.4				
	-		-	-	_	-
Securities brokerage	1.0	6.5	-	.9	_	-
Other financial investment activities	1.5	4.1	-	1.2	-	.8
Portfolio management	-	2.1	-	2.9	-	-
Investment advice	2.5	-	-	-	-	-
All other financial investment activities	-	9.0	-	-	-	-
Insurance carriers and related activities	8.8	8.9	.7	1.7	.2	4.7
Insurance carriers	9.8	10.5	1.2	2.3	-	3.3
Direct life, health, and medical insurance						
carriers	9.7	10.5	.3	2.1	-	2.3
Direct insurance (except life, health, and			_			_
medical) carriers	10.2	10.9	2.1	2.6	_	4.5
Reinsurance carriers	_	_	_		_	_
Agencies, brokerages, and other insurance						
related activities	7.4	6.7		.9		6.6
Insurance agencies and brokerages	7.4	4.7	_	.9		8.1
Other insurance related activities	7.5 6.9	12.3	-	 1.9	_	2.5
		-	-	-	_	-
Funds, trusts, and other financial vehicles	4.5	6.7	-	1.9	-	2.2
Insurance and employee benefit funds	3.7	5.5		-	-	3.6
Pension funds	-	-		-	-	9.4
						1
Other insurance funds Other investment pools and funds	- 5.5	12.8 8.1	-	-	-	-

				Sour	ce of injury or	illness ⁵	
Industry ³	NAICS code ⁴	Total cases	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials
Open-end investment funds	52591	14.8	-	_	_	_	_
Real estate and rental and leasing	53	134.9	5.1	10.3	8.5	8.5	10.4
Real estate	531	130.9	6.8	9.1	9.1	7.3	10.6
Lessors of real estate Lessors of residential buildings and	5311	160.5	6.4	13.5	14.1	11.3	14.9
dwellings Lessors of nonresidential buildings	53111	181.8	9.8	12.6	19.9	16.5	12.1
(except miniwarehouses) Lessors of miniwarehouses and	53112	122.4	-	12.0	5.9	3.1	21.3
self-storage units	53113	109.4	-	37.6	-	-	-
Lessors of other real estate property	53119 5312	151.4	9.7	_ 1.0	_ 2.7	2.0	23.1 6.2
Offices of real estate agents and brokers Activities related to real estate	5312	134.9	9.7 5.2	9.7	2.7 7.7	6.4	6.2 8.7
Real estate property managers	53131	152.9	6.2	9.7 11.2	8.8	7.6	10.0
Other activities related to real estate	53139	58.0	0.2	-	0.0	7.0	-
Rental and leasing services	532	147.1	1.2	13.1	_ 7.4	10.8	10.3
Automotive equipment rental and leasing	5321	220.6	1.8	17.9	3.5	9.8	12.9
Passenger car rental and leasing	5321	180.5	1.3	17.9	1.2	1.6	1.5
Truck, utility trailer, and rv (recreational	55211	100.5	1.5	17.5	1.2	1.0	1.5
vehicle) rental and leasing	53212	308.8	_	17.9	8.6	27.9	38.2
Consumer goods rental	5322	91.4	_	6.3	10.4	5.6	4.3
Formal wear and costume rental	53222	72.0	_	0.5	-	5.0	4.5
Video tape and disc rental	53222	25.1		_	4.2	_	_
Other consumer goods rental	53229	140.4		15.0	18.2	5.8	11.1
General rental centers	5323	181.6	3.3	23.7	21.8	16.5	16.2
Commercial and industrial machinery and	5525	101.0	5.5	20.1	21.0	10.5	10.2
equipment rental and leasing	5324	111.6	_	12.3	_	19.7	14.0
Construction, transportation, mining, and	0024	111.0		12.0		10.7	14.0
forestry machinery and equipment							
rental and leasing	53241	131.7	_	11.8	_	21.7	16.6
Other commercial and industrial	55241	101.7		11.0		21.7	10.0
machinery and equipment rental and leasing	53249	74.0		15.3	-	10.9	-
Lessors of nonfinancial intangible assets	55249	74.0	_	15.5	-	10.9	-
(except copyrighted works)	533	46.0	-	-	-	10.0	-
Professional and business services		74.2	1.1	8.0	3.5	4.3	4.7
Professional, scientific, and technical		20.0			4.0		0.5
services	54	39.6	.5	2.8	1.6	2.2	2.5
Professional, scientific, and technical							
Services	541	39.6	.5	2.8	1.6	2.2	2.5
Legal services	5411	16.9	.3	2.6	.7	.5	.2
	5711	10.0		2.0	.,		.2

	Source of injury or illness ⁵									
Industry ³	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶				
Open-end investment funds	-	_	-	_	_	_				
Real estate and rental and leasing	16.8	27.5	8.3	15.3	0.4	23.8				
Real estate	17.5	28.2	9.1	5.5	.6	27.1				
Lessors of real estate	21.1	35.6	6.6	5.7	.8	30.4				
Lessors of residential buildings and	23.6	20.0	6.7	6.6	4.4	22.0				
dwellings Lessors of nonresidential buildings	23.6	39.0	0.7	6.6	1.1	33.9				
(except miniwarehouses)	9.7	37.4	7.3	3.3	-	22.3				
Lessors of miniwarehouses and										
self-storage units	-	19.3	-	-	-	26.5				
Lessors of other real estate property	56.3	11.5	10.7	10.5	-	32.5				
Offices of real estate agents and brokers	8.0	9.7	20.2	3.7	-	12.8				
Activities related to real estate	20.0	32.5	4.3	6.5	.7	33.2				
Real estate property managers	23.0	35.9	5.1	7.7	.9	36.5				
Other activities related to real estate	-	-	-	-	-	30.9				
Rental and leasing services	16.0	26.6	6.9	36.9	-	17.6				
Automotive equipment rental and leasing	23.1	38.9	13.2	71.6	-	28.0				
Passenger car rental and leasing	23.8	36.5	1.6	84.3	-	11.0				
Truck, utility trailer, and rv (recreational										
vehicle) rental and leasing	21.6	44.2	38.8	43.5	-	65.5				
Consumer goods rental	12.3	18.5	1.1	21.2	-	10.6				
Formal wear and costume rental	45.0	-	-	-	-	-				
Video tape and disc rental	7.2	6.0	2.2	-	-	-				
Other consumer goods rental	12.5	21.2	-	28.5	-	25.9				
General rental centers	7.6	37.7	10.9	22.9	-	21.0				
Commercial and industrial machinery and										
equipment rental and leasing	16.2	15.1	5.4	16.9	-	11.7				
Construction, transportation, mining, and										
forestry machinery and equipment										
rental and leasing	26.1	18.2	7.7	21.1	-	8.0				
Other commercial and industrial										
machinery and equipment rental and										
leasing	-	13.5	-	4.6	-	20.9				
Lessors of nonfinancial intangible assets										
(except copyrighted works)	-	14.0	-	-	—	-				
Professional and business services	11.9	15.7	3.3	9.0	.3	12.5				
Professional, scientific, and technical										
services	7.7	8.9	1.7	4.0	.1	7.7				
Professional, scientific, and technical										
services	7.7	8.9	1.7	4.0	.1	7.7				
Legal services	3.1	5.6	.5	1.4		1.9				

Industry ³ NAICS code ⁴ Total cases Chemicals and products Containers Furniture in and fixtures Machinery Parts and materials Accounting, tax preparation, bookkeeping, and payrull services 5412 20.7 - 1.5 1.1 0.7 1.3 Accounting, tax preparation, bookkeeping, and payrull services 54121 20.7 - 1.5 1.1 0.7 1.3 Containets 54121 20.7 - 1.5 1.1 .7 1.3 Containets 54121 20.7 - 1.5 1.1 .7 1.3 Containets 54121 20.7 - 1.5 1.1 .7 1.3 Architectural services 54121 20.7 - 1.5 1.1 .7 1.3 Architectural services 54121 20.7 - 1.5 1.1 .7 1.3 Architectural services 54121 7.1 - - - - - - - - - <t< th=""><th></th><th></th><th></th><th></th><th>Sour</th><th>ce of injury or</th><th>illness⁵</th><th></th></t<>					Sour	ce of injury or	illness ⁵	
and payroll services 5412 20.7 - 1.5 1.1 0.7 1.3 Accounting, tax preparation, Dotkeeping, and payroll services 54121 20.7 - 1.5 1.1 7 1.3 Offices of certified public 54121 20.7 - 1.5 1.1 7 1.3 accountants 54121 7.1 -	Industry ³			and chemical	Containers	and	Machinery	and
Accounting, tax preparation, bookkeeping, and payroll services 54121 2.0 - 1.5 1.1 .7 1.3 Offices of certified public accounting services 541213 7.1 -	Accounting, tax preparation, bookkeeping,							
bookkeeping, and payroll services 54121 20.7 - 1.5 1.1 .7 1.3 Offices of certified public 541211 4.6 - 1.0 - <td></td> <td>5412</td> <td>20.7</td> <td>-</td> <td>1.5</td> <td>1.1</td> <td>0.7</td> <td>1.3</td>		5412	20.7	-	1.5	1.1	0.7	1.3
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	bookkeeping, and payroll services	54121	20.7	-	1.5	1.1	.7	1.3
Tax preparation services 541213 7.1 -		541211	4.6	_	1.0	_	_	-
Other accounting services 541219 30.0 $ 2.7$ 1.3 2.5 1.8 Architectural services 54131 52.2 0.4 2.6 1.0 1.8 3.8 Architectural services 54131 22.6 $ -$ Engineering services 54132 67.5 $ -$ Engineering services 54132 67.5 $ -$ Surveying and mapping (except 54137 115.4 $ -$ Computer systems design and related 54151 $ 55$ 1.7 4 1.1 $.9$ Services 541511 $ 55$ 1.7 4 1.1 $.9$ Computer systems design services 541511 $ -$ Computer systems design services 541512 21.7 $ 9$ 9 2.0 $-$ Computer systems design services 541512 21.7 $ 9$ 9 2.0 $-$ Computer systems design services 541619 21.3 $ -$ Computer systems design services 54162 92.0 $ -$ Computer systems design services 54162 92.0 $ -$ Environmental consulting services 54162 92.0 $-$		541213	7.1	-	-	-	_	-
Architectural, engineering, and related services 5413 52.2 0.4 2.6 1.0 1.8 3.8 Landscape architectural services 54131 67.5 -		541219	30.0	_	2.7	1.3	2.5	1.8
services 5413 52.2 0.4 2.6 1.0 1.8 3.8 Architectural services 54131 24.6 -							_	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		5413	52.2	0.4	2.6	1.0	1.8	3.8
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		54131	24.6	_	_	_	_	_
Engineering services5413340.6.31.61.12.24.0Surveying and mapping (except geophysical) services54137115.4Computer systems design and related services541551.7.41.1.9Computer systems design and related services5415151.7.41.1.9Computer systems design and related services5415116.9Custom computer programming services54151116.9Computer systems design services54151221.79.92.0Computer systems design services541513112.1-22.514.0Other computer related services54151921.3Advertising and related services54151921.3Advertising and related services5419185.7-1.8-1.7 <t< td=""><td></td><td>54132</td><td>67.5</td><td>_</td><td>-</td><td>_</td><td>_</td><td>_</td></t<>		54132	67.5	_	-	_	_	_
Surveying and mapping (except geophysical) services54137115.4Computer systems design and related services541551.7.41.1.9Computer systems design and related services5415151.7.41.1.9Custom computer programming services5415151.7.41.1.9Computer systems design services5415116.9Computer systems design services54151221.79.92.0-Computer systems design services54151921.3Computer related services54151921.3Other computer related services5416292.0Advertising and related services5416112.1-22.514.0Other professional, scientific, and technical5419231.3Marketing research and public opinion5419115.9Photographic services5419231.3Marketing reservices5559.3.17.26.02.53.33.3<		54133		.3	1.6	1.1	2.2	4.0
geophysical) services 54137 115.4 -								
services 5415 - .5 1.7 .4 1.1 .9 Computer systems design and related services 54151 - .5 1.7 .4 1.1 .9 Custom computer programming services 54151 - .5 1.7 .4 1.1 .9 Custom computer programming services 541512 21.7 - .9 .9 2.0 - Computer facilities management services 541513 112.1 - 22.5 - - 14.0 Other computer related services 541519 21.3 -	geophysical) services	54137	115.4	-	-	-	-	-
services 54151 - .5 1.7 .4 1.1 .9 Custom computer programming services 541511 16.9 - <td>services</td> <td>5415</td> <td>-</td> <td>.5</td> <td>1.7</td> <td>.4</td> <td>1.1</td> <td>.9</td>	services	5415	-	.5	1.7	.4	1.1	.9
services 541511 16.9 -	services	54151	-	.5	1.7	.4	1.1	.9
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		541511	16.9	_	_	_	_	_
Computer facilities management services 541513 541519 112.1 21.3 - 22.5 - - 14.0 Other computer related services 541519 21.3 -					Q	_ 	20	_
services 541513 112.1 - 22.5 - - - 14.0 Other computer related services 541519 21.3 -		541512	21.7		.0	.0	2.0	
Other computer related services 541519 21.3 -		541513	112 1	_	22.5	_	_	14.0
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $				_	-	_	_	-
Advertising and related services 5418 - - 13.7 5.5 13.9 4.1 Other professional, scientific, and technical services 5419 85.7 - 1.8 - 1.7 - Marketing research and public opinion polling 54191 15.9 -				_	_	_	_	_
Other professional, scientific, and technical services 5419 85.7 - 1.8 - 1.7 - Marketing research and public opinion polling 54191 15.9 -				_	13.7	55	13.9	4 1
services 5419 85.7 - 1.8 - 1.7 - Marketing research and public opinion polling 54191 15.9 - - - - - - Photographic services 54192 31.3 - 4.5 - - - - Veterinary services 54194 - - - - - - - All other professional, scientific, and technical services 54199 18.1 - - - - - - Management of companies and enterprises 55 59.3 .1 7.2 6.0 2.5 3.3 Administrative and support and waste management and remediation services 56 128.2 2.2 15.4 5.4 7.8 8.3 Administrative and support services 561 116.3 2.2 12.7 5.4 7.7 7.0 Facilities support services 5613 - 2.2 12.6 2.2 7.0 9.2		0410			10.7	0.0	10.0	7.1
Marketing research and public opinion polling 54191 15.9 -		5419	85.7	_	18	_	17	_
polling 54191 15.9 -		0110	00.1		1.0			
Photographic services 54192 31.3 - 4.5 - <		54191	15.9	_	_	_	_	_
Veterinary services 54194 - <td></td> <td></td> <td></td> <td>_</td> <td>4.5</td> <td>_</td> <td>_</td> <td>_</td>				_	4.5	_	_	_
All other professional, scientific, and technical services54199 18.1 $ -$ Management of companies and enterprises5559.3.1 7.2 6.0 2.5 3.3 Administrative and support and waste management and remediation services 56 128.2 2.2 15.4 5.4 7.8 8.3 Administrative and support services 561 116.3 2.2 12.7 5.4 7.7 7.0 Facilities support services 5612 118.3 3.5 6.7 6.8 2.1 8.8 Employment services 5613 $ 2.2$ 12.6 2.2 7.0 9.2			-	_	_	_	_	_
technical services 54199 18.1 $ -$ Management of companies and enterprises 55 59.3 $.1$ 7.2 6.0 2.5 3.3 Administrative and support and waste management and remediation services 56 128.2 2.2 15.4 5.4 7.8 8.3 Administrative and support services 561 116.3 2.2 12.7 5.4 7.7 7.0 Facilities support services 5612 118.3 3.5 6.7 6.8 2.1 8.8 Employment services 5613 $ 2.2$ 12.6 2.2 7.0 9.2		01101						
enterprises 55 59.3 .1 7.2 6.0 2.5 3.3 Administrative and support and waste management and remediation services 56 128.2 2.2 15.4 5.4 7.8 8.3 Administrative and support services 561 116.3 2.2 12.7 5.4 7.7 7.0 Facilities support services 5612 118.3 3.5 6.7 6.8 2.1 8.8 Employment services 5613 - 2.2 12.6 2.2 7.0 9.2		54199	18.1	-	-	-	-	-
enterprises 55 59.3 .1 7.2 6.0 2.5 3.3 Administrative and support and waste management and remediation services 56 128.2 2.2 15.4 5.4 7.8 8.3 Administrative and support services 561 116.3 2.2 12.7 5.4 7.7 7.0 Facilities support services 5612 118.3 3.5 6.7 6.8 2.1 8.8 Employment services 5613 - 2.2 12.6 2.2 7.0 9.2	Management of companies and							
management and remediation services 56 128.2 2.2 15.4 5.4 7.8 8.3 Administrative and support services 561 116.3 2.2 12.7 5.4 7.7 7.0 Facilities support services 5612 118.3 3.5 6.7 6.8 2.1 8.8 Employment services 5613 - 2.2 12.6 2.2 7.0 9.2		55	59.3	.1	7.2	6.0	2.5	3.3
services 56 128.2 2.2 15.4 5.4 7.8 8.3 Administrative and support services 561 116.3 2.2 12.7 5.4 7.7 7.0 Facilities support services 5612 118.3 3.5 6.7 6.8 2.1 8.8 Employment services 5613 - 2.2 12.6 2.2 7.0 9.2								
Facilities support services 5612 118.3 3.5 6.7 6.8 2.1 8.8 Employment services 5613 - 2.2 12.6 2.2 7.0 9.2		56	128.2	2.2	15.4	5.4	7.8	8.3
Facilities support services 5612 118.3 3.5 6.7 6.8 2.1 8.8 Employment services 5613 - 2.2 12.6 2.2 7.0 9.2		504	110.0		40.7	- 4		7.0
Employment services 5613 - 2.2 12.6 2.2 7.0 9.2						•••	1	-
			118.3		-		1 1	
Employment placement agencies			-				1	
	Employment placement agencies	56131	27.0		-	-	-	-

			Source of injur	y or illness ⁵		
Industry ³	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶
Accounting, tax preparation, bookkeeping,						
and payroll services	3.4	4.6	0.6	6.5	-	0.9
Accounting, tax preparation, bookkeeping, and payroll services	3.4	4.6	.6	6.5	_	.9
Offices of certified public accountants	1.8	_	_	1.5	_	_
Tax preparation services	-	_	_	-	_	_
Other accounting services Architectural, engineering, and related	5.8	11.9	-	1.2	-	1.2
services	11.2	11.7	4.4	3.4	_	12.1
Architectural services	_	_	_	-	_	15.7
Landscape architectural services	_	23.6	_	_	_	22.9
Engineering services	6.6	9.0	2.5	4.2	_	9.1
Surveying and mapping (except						
geophysical) services	-	-	40.8	-	_	39.7
Computer systems design and related						
services	8.8	6.8		2.3	_	1.4
Computer systems design and related						
services	8.8	6.8	-	2.3	-	1.4
Custom computer programming						
services	5.9	10.1		-	-	-
Computer systems design services	8.8	2.8		4.9	-	.9
Computer facilities management						
services	32.7	13.3	-	-	-	17.3
Other computer related services	10.3	6.6	-	-	-	-
Environmental consulting services	-		-	-	-	-
Advertising and related services	7.2	17.1	1.8	3.4	-	9.3
Other professional, scientific, and technical	40.4	04.0				10.4
services	13.1	21.2	-	-	-	46.1
Marketing research and public opinion		11.0				
polling Photographic services	_ 4.2	11.8 12.9	_	_	-	4.5
Veterinary services	4.2 20.6	32.5	_	_	_	4.5 90.1
All other professional, scientific, and	20.0	52.5	_	_	_	90.1
technical services	6.1	4.9	-	-	_	_
Management of companies and						
enterprises	11.2	11.7	3.0	5.8	0.6	7.8
Administrative and support and waste management and remediation						
services	18.1	26.6	5.6	17.2	.6	21.0
					_	
Administrative and support services	15.8	26.0	5.5	14.3	.7	19.0
Facilities support services	23.8	29.0	-	9.4	-	27.2
Employment services	13.7	13.3	5.2	9.4	2.8	11.5
Employment placement agencies	-	6.2	-	-	-	11.7

				Sour	ce of injury or	illness ⁵	
Industry ³	NAICS code ⁴	Total cases	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials
Temporary help services	56132	_	2.7	13.5	1.7	8.6	9.3
Business support services	5614	38.1		1.5	1.0	2.4	.8
Telephone call centers	56142	31.2	_	.6	1.1	.7	_
Business service centers	56143	36.5	_	_	_		_
Collection agencies	56144	31.6	_	_	1.9	2.0	_
Other business support services	56149	105.4	_	8.0	-	2.0	_
Travel agencies	56151	38.3	_	- 0.0	14.6	_	_
Tour operators	56152	36.5	_	_	-	_	_
Investigation and security services	5616	131.2		6.7	1.7	.7	4.2
Services to buildings and dwellings	5617	174.7	4.2	15.0	9.3	. <i>1</i> 15.4	9.2
Janitorial services	56172	179.5	7.5	27.9	9.3 11.3	13.3	9.4
Landscaping services	56172	165.6	1.5	4.0	11.5	21.4	8.2
	50175	105.0	1.5	4.0	-	21.4	0.2
Other services to buildings and	56170	000.4			44.0		
dwellings	56179	232.1	-	-	44.9	-	-
Waste management and remediation	500	074.0		47 5	4.0		00.4
services	562	271.8	3.1	47.5	4.2	9.3	23.4
Waste collection	5621	353.5	3.1	69.4	1.7	7.3	34.3
Waste treatment and disposal	5622	281.7	3.3	49.8	9.0	6.4	18.5
Remediation and other waste management							
services	5629	156.9	2.9	17.0	2.2	15.1	15.0
Remediation services	56291	102.3		14.0	3.0	5.6	15.3
All other waste management services	56299	178.5	-	-	-	43.9	-
Education and health services		145.6	1.9	8.6	7.2	3.4	1.8
Educational services	61	69.5	.6	6.5	4.7	2.2	2.7
Educational services	611	69.5	.6	6.5	4.7	2.2	2.7
Elementary and secondary schools	6111	83.8	.5	5.3	5.6	1.2	2.1
Junior colleges	6112	38.3		8.0	_	_	_
Colleges, universities, and professional	0	0010		0.0			
schools	6113	77.5	1.0	9.6	5.1	3.6	3.1
Business schools and computer and	0110			0.0	0.1	0.0	5.1
management training	6114	26.5	_	_	_	_	_
Business and secretarial schools	61141	68.1	_	_	_	_	_
Professional and management	01141	00.1					
development training	61143	22.9	_	_	_	_	_
Technical and trade schools	6115	48.4	_	_	5.9	_	—
Other schools and instruction	6116	40.4 35.0			5.9		_
	61162	35.0 80.4	-	-	_	-	_
Sports and recreation instruction All other schools and instruction	61162	80.4 37.9	_		_		_
					-		-
Health care and social assistance	62	155.8	2.1	8.9	7.6	3.6	1.7
Ambulatory health care services	621	63.9	.8	2.7	4.1	1.2	.4
Offices of physicians	6211	31.2	.8	1.6	1.1	1.1	.3
Offices of dentists	6212	18.2	-	-	2.8	-	-

			Source of injur	y or illness ⁵		
Industry ³	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶
Temporary help services	16.3	14.4	6.4	9.3	3.9	9.6
Business support services	5.4	9.1	-	10.1		7.6
Telephone call centers	9.1	11.1	_		_	7.7
Business service centers	_	_	_	_		
Collection agencies	1.6	12.0		4.1		9.1
Other business support services	1.0	11.4	_	63.3	_	15.0
	_ 9.1	11.4	-	- 03.3	_	15.0
Travel agencies	9.1	17.1	-	_	_	
Tour operators			-		-	7.2
Investigation and security services	12.3	51.3	1.8	22.0	1.2	29.0
Services to buildings and dwellings	26.2	36.1	12.7	18.2	-	28.3
Janitorial services	24.0	44.7	4.5	12.5	-	24.3
Landscaping services	23.2	20.5	26.4	24.8	-	35.6
Other services to buildings and dwellings	46.4	71.1	-	-	-	-
Waste management and remediation	40.4	04.0		54 7		45.4
services	46.4	34.8	6.3	51.7	-	45.1
Waste collection	48.5	46.5	4.1	73.7	-	64.9
Waste treatment and disposal	60.8	40.0	6.4	58.6	-	28.9
Remediation and other waste management						
services	27.8	14.0	9.1	16.1	-	37.7
Remediation services	13.9	11.9	10.2	8.7	-	17.8
All other waste management services	30.1	10.5	-	27.1	-	34.7
Education and health services	17.5	33.0	1.9	8.3	41.9	20.1
Educational services	9.1	22.4	2.2	4.1	.6	14.2
Educational services	9.1	22.4	2.2	4.1	.6	14.2
Elementary and secondary schools	9.0	25.9	1.7	4.8	1.7	26.0
Junior colleges	5.2	7.6		-		5.7
Colleges, universities, and professional	0.2	1.0				0.7
schools	11.7	24.3	3.3	4.3	.3	11.3
Business schools and computer and			0.0			
management training	_	12.1	_	_	_	_
Business and secretarial schools	_	_	_	_	_	_
Professional and management						
development training	_	_	_	_	_	_
Technical and trade schools	3.0	25.0	_	_		7.0
Other schools and instruction	6.9	13.2		_		8.5
Sports and recreation instruction	0.9	31.1			_	36.6
All other schools and instruction	_ 10.6	14.1		_		
Health care and social assistance	18.6	34.4	1.8	8.8	47.5	20.9
neann cale ann sociaí assistailte	10.0	54.4	1.0	0.0	47.5	20.9
Ambulatory health care services	8.3	17.0	.4	7.0	13.3	8.6
Offices of physicians	5.6	11.2	.1	1.6	3.1	4.7
Offices of dentists	5.8	4.0	-	_	-	_

				Sour	ce of injury or	illness ⁵	
Industry ³	NAICS code ⁴	Total cases	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials
Offices of other health practitioners	6213	22.8	_	_	1.8	_	_
Outpatient care centers	6214	114.4	1.2	4.7	8.2	3.0	1.1
Medical and diagnostic laboratories	6215	47.4	1.4	3.1	3.0	1.3	1.1
Home health care services	6216	176.7	.9	7.7	7.6	1.6	.5
Other ambulatory health care services	6219	174.5	1.7	6.5	23.6	3.4	.5
							-
Hospitals	622	182.1	3.8	13.6	10.1	4.9	2.1
Nursing and residential care facilities	623	290.7	2.3	12.6	10.3	5.6	2.8
Social assistance	624	133.6	1.4	8.5	6.9	3.7	2.2
Leisure and hospitality		110.7	1.7	14.7	5.8	7.5	3.7
Arts, entertainment, and recreation	71	155.4	1.3	11.9	3.8	8.1	10.8
Performing arts, spectator sports, and related							
industries	711	176.4	.8	8.2	3.8	5.9	8.7
Performing arts companies	7111	122.0	-	6.8	4.2	-	16.9
Promoters of performing arts, sports, and							
similar events	7113	120.4	-	4.7	5.9	-	-
Agents and managers for artists, athletes,							
entertainers, and other public figures	7114	70.0	_	-	-	-	-
Independent artists, writers, and							
performers	7115	74.0	_	_	_	9.7	7.4
Museums, historical sites, and similar						•	
institutions	712	119.7	2.2	13.9	5.1	3.4	4.6
Amusement, gambling, and recreation					011		
industries	713	153.1	1.4	12.7	3.7	9.2	12.0
Amusement parks and arcades	7131	202.9	2.4	29.9	6.6	5.6	2.5
Gambling industries	7132	124.2	1.3	20.1	6.0	3.9	2.0
Other amusement and recreation	1152	127.2	1.5	20.1	0.0	0.0	
industries	7139	150.1	1.2	8.2	2.7	10.9	15.9
Accommodation and food services	72	103.5	1.8	15.2	6.1	7.3	2.5
Accommodation	721	168.5	2.6	18.3	18.4	11.0	6.6
Traveler accommodation	7211	166.0	2.6	18.8	18.7	10.3	6.5
Hotels (except casino hotels) and							
motels	72111	178.8	2.3	19.3	19.9	12.0	7.6
Casino hotels	72112	119.0	4.2	18.2	14.6	3.2	2.0
Rv (recreational vehicle) parks and	· = · · -						
recreational camps	7212	191.7	_	_	_	45.4	_
Rooming and boarding houses	7212	603.9	_	_	_		_
Food services and drinking places	722	88.1	1.6	14.4	3.2	6.5	1.6
Full-service restaurants	7221	73.1	.5	15.4	3.9	4.8	-
Limited-service eating places	7221	95.0	2.0	11.7	2.1	9.2	 1.5
			-			-	-
Special food services	7223	204.8	8.7	35.1	7.7	5.2	14.1
Drinking places (alcoholic beverages)	7224	26.1	-	-	-	-	-

			Source of injur	y or illness ⁵		
Industry ³	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶
Offices of other health practitioners	1.8	14.2	_	_	2.0	_
Outpatient care centers	11.8	27.9	1.2	10.6	28.2	16.6
Medical and diagnostic laboratories	7.4	17.1	1.2	9.5	20.2	3.5
Home health care services	20.6	41.4	.3	23.0	53.3	19.7
Other ambulatory health care services	12.5	21.3	3.3	26.4	36.3	38.7
Hospitals	26.6	34.3	2.3	7.1	53.5	23.8
Nursing and residential care facilities	26.2	60.1	3.6	11.1	121.2	35.1
Social assistance	16.2	41.2	1.8	13.9	12.9	24.8
Leisure and hospitality	15.1	27.8	7.7	6.5	-	20.3
Arts, entertainment, and recreation	30.2	35.9	7.0	15.1	-	31.2
Performing arts, spectator sports, and related						
industries	54.6	27.7	3.8	4.5	-	58.2
Performing arts companies	28.6	30.7	-	5.4	-	23.7
Promoters of performing arts, sports, and						
similar events	51.0	24.5	-	_	_	22.2
Agents and managers for artists, athletes,		_				
entertainers, and other public figures	_	_	_	_	_	_
Independent artists, writers, and						
performers	12.6	9.6	11.4	_	_	17.2
Museums, historical sites, and similar	12.0	0.0				
institutions	23.4	28.2	4.4	6.8	_	27.7
Amusement, gambling, and recreation	20.4	20.2		0.0		21.1
industries	24.1	38.9	8.1	18.8	_	24.1
Amusement parks and arcades	46.1	45.7	6.0	19.7	_	38.3
	21.7	45.6	3.5	4.6	_	16.4
Gambling industries Other amusement and recreation	21.7	45.0	5.5	4.0	_	10.4
industries	20.7	36.4	9.4	21.5	_	23.1
	-			-		_
Accommodation and food services	12.7	26.4	7.8	5.1	-	18.6
Accommodation	30.5	40.1	4.3	11.0	_	25.7
Traveler accommodation	31.1	39.4	4.3	11.1	-	23.1
Hotels (except casino hotels) and	0					
motels	34.0	42.4	4.9	11.7	_	24.7
Casino hotels	20.2	27.8	2.2	9.4	_	17.3
Rv (recreational vehicle) parks and	20.2	21.0	2.2	3.4	_	17.5
recreational camps	_	30.3	_	_		96.8
	-	30.3		_	-	90.8
Rooming and boarding houses			-		-	10.0
Food services and drinking places	8.5	23.2	8.6	3.7	-	16.9
Full-service restaurants	7.2	17.7	9.5	.6	-	13.4
Limited-service eating places	8.8	25.2	7.9	5.9	-	20.8
Special food services	23.5	69.8	10.6	16.3	-	13.6
Drinking places (alcoholic beverages)	-	-	-	-		23.3

		-		Sour	ce of injury or	illness ⁵	
Industry ³	NAICS code ⁴	Total cases	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials
Other services		97.6	1.6	6.8	2.7	6.5	10.4
Other services, except public administration	81	97.6	1.6	6.8	2.7	6.5	10.4
Repair and maintenance Automotive repair and maintenance Electronic and precision equipment repair	811 8111	128.5 122.5	2.4 2.5	6.4 6.1	1.2 .3	11.4 5.3	23.5 23.9
and maintenance	8112	75.8	-	6.2	5.4	18.9	5.5
electronic) repair and maintenance Personal and household goods repair and	8113	169.9	4.5	8.5	1.5	21.8	31.9
maintenance	8114	180.9	-	5.4	5.4	48.7	24.9
Personal and laundry services	812	82.9	1.3	8.2	2.6	4.9	3.3
Personal care services	8121	45.1	-	1.6	1.0	-	2.4
Death care services	8122	86.2	-	10.0	1.9	5.0	6.2
Drycleaning and laundry services Other personal services	8123 8129	126.5 93.7	3.3	15.5 9.5	5.6 1.4	12.5 2.4	4.3 1.5

		-	Source of injur	y or illness ⁵	_	
Industry ³	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶
Other services	15.8	17.4	6.4	9.7	0.3	20.0
Other services, except public administration	15.8	17.4	6.4	9.7	.3	20.0
Repair and maintenance Automotive repair and maintenance Electronic and precision equipment repair	24.4 23.0	15.6 14.7	9.3 10.3	13.5 15.1		20.7 21.2
and maintenance	13.3	5.7	1.8	3.7	-	15.2
electronic) repair and maintenance Personal and household goods repair and	34.0	24.9	8.1	13.2	-	21.4
maintenance	35.9	19.8	10.7	9.6	-	19.9
Personal and laundry services	11.5	18.3	6.9	8.7	-	17.2
Personal care services	5.2	13.7	14.7	-	-	5.0
Death care services	6.6	24.5	2.9	9.6	-	19.5
Drycleaning and laundry services	23.9	22.0	1.2	16.1	-	22.1
Other personal services	7.3	19.0	1.0	14.2	-	36.7

			Source of injury or illness ⁵					
Industry ³	NAICS code ⁴	Total cases	Chemicals and chemical products	Containers	Furniture and fixtures	Machinery	Parts and materials	
Religious, grantmaking, civic, professional, and similar organizations	813	74.4	0.8	5.7	4.6	2.0	1.6	

	Source of injury or illness ⁵								
Industry ³	Worker motion or position	Floors, walkways or ground surfaces	Handtools	Vehicles	Health care patient	All other sources ⁶			
Religious, grantmaking, civic, professional, and similar organizations	9.7	18.5	2.2	6.1	1.0	22.1			

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

Ν = number of injuries and illnesses EΗ

- = total hours worked by all employees
- during the calendar vear
- 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 result in days away from work with or without job transfer or restriction. ³ Totals include data for industries not shown separately.

⁴ North American Industry Classification System — United States, 2002

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.

Excludes farms with fewer than 11 employees. 7

⁸ Less than 0.05 cases per 10,000 full-time workers.

⁹ Data for Mining (Sector 21 in the North American Industry

Classification System -- United States, 2002) include establishments not governed by the Mine Safety and Health Administration rules and reporting, such as those in Oil and Gas Extraction and related support activities. Data for mining operators in coal, metal, and nonmetal mining are provided to BLS by the Mine Safety and Health Administration, U.S. Department of Labor. Independent mining contractors are excluded from the coal, metal, and nonmetal mining industries. These data do not reflect the changes the Occupational Safety and Health Administration made to its recordkeeping requirements effective January 1, 2002; therefore, estimates for these industries are not comparable to estimates in other industries.

¹⁰ Data for mining operators in this industry are provided to BLS by the Mine Safety and Health Administration, U.S. Department of Labor. Independent mining contractors are excluded. These data do not reflect the changes the Occupational Safety and Health Administration made to its recordkeeping requirements effective January 1, 2002; therefore, estimates for these industries are not comparable to estimates in other industries.

¹¹ Data for employers in rail transportation are provided to BLS by the Federal Railroad Administration, U.S. Department of Transportation.

NOTE: Dashes indicate data that are not available. 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