

Appendix: 25 Year Trends in Occupational Homicides: 1992-2017

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Appendix Table 1: Firearm Use by Time Frame

Firearm Used	1992-1995	1996-2000	2001-2005	2006-2010	2011-2015	2016-2017	Overall
Yes	93 (81)	78 (80)	66 (83)	64 (84)	44 (83)	24 (69)	369 (81)
No	22 (19)	19 (20)	14 (18)	12 (16)	9 (17)	11 (31)	87 (19)

Appendix Table 2: Incidence by Industry and Age

Industry	Age Group	Cases	Worker Years	Crude IR
Agriculture	18-24 years old	<5	159,990	-
Agriculture	25-34 years old	<5	257,577	-
Agriculture	35-44 years old	<5	275,080	-
Agriculture	45-55 years old	0	259,228	0.00
Agriculture	55-64 years old	0	149,823	0.00
Agriculture	65+ years old	0	116,839	0.00
Agriculture Services	18-24 years old	0	241,217	0.00
Agriculture Services	25-34 years old	0	275,394	0.00
Agriculture Services	35-44 years old	0	254,541	0.00
Agriculture Services	45-55 years old	0	167,763	0.00
Agriculture Services	55-64 years old	0	81,894	0.00
Agriculture Services	65+ years old	0	23,744	0.00

Fishing, Hunting & Trapping	18-24 years old	0	7,848	0.00
Fishing, Hunting & Trapping	25-34 years old	0	17,214	0.00
Fishing, Hunting & Trapping	35-44 years old	0	25,248	0.00
Fishing, Hunting & Trapping	45-55 years old	0	21,668	0.00
Fishing, Hunting & Trapping	55-64 years old	0	12,961	0.00
Fishing, Hunting & Trapping	65+ years old	0	1,603	0.00
Mining & Oil	18-24 years old	0	5,537	0.00
Mining & Oil	25-34 years old	0	36,952	0.00
Mining & Oil	35-44 years old	0	41,697	0.00
Mining & Oil	45-55 years old	0	35,504	0.00
Mining & Oil	55-64 years old	0	18,713	0.00
Mining & Oil	65+ years old	0	1,238	0.00
Construction	18-24 years old	0	1,279,974	0.00
Construction	25-34 years old	5	2,429,727	0.21
Construction	35-44 years old	<5	2,707,514	-
Construction	45-55 years old	<5	1,896,875	-
Construction	55-64 years old	<5	745,538	-
Construction	65+ years old	0	224,080	0.00
Food & Kindred Prod-MFG	18-24 years old	<5	209,668	-
Food & Kindred Prod-MFG	25-34 years old	<5	346,877	-
Food & Kindred Prod-MFG	35-44 years old	0	360,185	0.00
Food & Kindred Prod-MFG	45-55 years old	0	272,366	0.00
Food & Kindred Prod-MFG	55-64 years old	<5	116,967	-
Food & Kindred Prod-MFG	65+ years old	0	30,595	0.00
Tobacco Manufactures	18-24 years old	0	12,463	0.00
Tobacco Manufactures	25-34 years old	0	29,856	0.00
Tobacco Manufactures	35-44 years old	0	80,528	0.00
Tobacco Manufactures	45-55 years old	0	143,797	0.00

Tobacco Manufactures	55-64 years old	0	54,348	0.00
Tobacco Manufactures	65+ years old	0	11,301	0.00
Textile Mill Prod-MFG	18-24 years old	0	265,351	0.00
Textile Mill Prod-MFG	25-34 years old	<5	581,652	-
Textile Mill Prod-MFG	35-44 years old	<5	583,159	-
Textile Mill Prod-MFG	45-55 years old	0	606,182	0.00
Textile Mill Prod-MFG	55-64 years old	0	319,356	0.00
Textile Mill Prod-MFG	65+ years old	0	69,835	0.00
Apparel & Finished Textile Prod-MFG	18-24 years old	0	140,128	0.00
Apparel & Finished Textile Prod-MFG	25-34 years old	0	312,064	0.00
Apparel & Finished Textile Prod-MFG	35-44 years old	0	381,810	0.00
Apparel & Finished Textile Prod-MFG	45-55 years old	0	396,224	0.00
Apparel & Finished Textile Prod-MFG	55-64 years old	0	235,327	0.00
Apparel & Finished Textile Prod-MFG	65+ years old	0	64,939	0.00
Paper & Allied Prod-MFG	18-24 years old	0	43,185	0.00
Paper & Allied Prod-MFG	25-34 years old	0	98,657	0.00
Paper & Allied Prod-MFG	35-44 years old	0	167,842	0.00
Paper & Allied Prod-MFG	45-55 years old	0	169,403	0.00
Paper & Allied Prod-MFG	55-64 years old	0	92,421	0.00
Paper & Allied Prod-MFG	65+ years old	0	8,015	0.00
Printing & Publishing	18-24 years old	<5	87,001	-
Printing & Publishing	25-34 years old	0	245,724	0.00
Printing & Publishing	35-44 years old	<5	284,168	-
Printing & Publishing	45-55 years old	<5	263,726	-
Printing & Publishing	55-64 years old	0	131,069	0.00
Printing & Publishing	65+ years old	<5	49,656	-
Chemicals & Petroleum Prod-MFG	18-24 years old	0	79,186	0.00
Chemicals & Petroleum Prod-MFG	25-34 years old	0	312,515	0.00

Chemicals & Petroleum Prod-MFG	35-44 years old	0	440,998	0.00
Chemicals & Petroleum Prod-MFG	45-55 years old	0	421,006	0.00
Chemicals & Petroleum Prod-MFG	55-64 years old	0	146,542	0.00
Chemicals & Petroleum Prod-MFG	65+ years old	0	10,910	0.00
Rubber Leather & Misc Plastic Prod-MFG	18-24 years old	0	99,969	0.00
Rubber Leather & Misc Plastic Prod-MFG	25-34 years old	0	241,693	0.00
Rubber Leather & Misc Plastic Prod-MFG	35-44 years old	<5	340,599	-
Rubber Leather & Misc Plastic Prod-MFG	45-55 years old	0	262,692	0.00
Rubber Leather & Misc Plastic Prod-MFG	55-64 years old	0	118,836	0.00
Rubber Leather & Misc Plastic Prod-MFG	65+ years old	0	12,694	0.00
Forestry & Logging- MFG	18-24 years old	0	24,086	0.00
Forestry & Logging- MFG	25-34 years old	0	38,314	0.00
Forestry & Logging- MFG	35-44 years old	<5	62,231	-
Forestry & Logging- MFG	45-55 years old	<5	45,880	-
Forestry & Logging- MFG	55-64 years old	0	32,218	0.00
Forestry & Logging- MFG	65+ years old	0	10,944	0.00
Sawmills Planing & Misc Wood Prod-MFG	18-24 years old	0	79,886	0.00
Sawmills Planing & Misc Wood Prod-MFG	25-34 years old	0	140,629	0.00
Sawmills Planing & Misc Wood Prod-MFG	35-44 years old	0	178,358	0.00
Sawmills Planing & Misc Wood Prod-MFG	45-55 years old	0	139,249	0.00
Sawmills Planing & Misc Wood Prod-MFG	55-64 years old	0	73,995	0.00
Sawmills Planing & Misc Wood Prod-MFG	65+ years old	0	27,706	0.00
Wood Buildings & Mobile Homes - MFG	18-24 years old	0	32,717	0.00
Wood Buildings & Mobile Homes - MFG	25-34 years old	0	76,775	0.00
Wood Buildings & Mobile Homes - MFG	35-44 years old	0	64,938	0.00
Wood Buildings & Mobile Homes - MFG	45-55 years old	0	35,548	0.00
Wood Buildings & Mobile Homes - MFG	55-64 years old	0	14,966	0.00
Wood Buildings & Mobile Homes - MFG	65+ years old	0	2,820	0.00

Furniture & Fixtures - MFG	18-24 years old	0	227,410	0.00
Furniture & Fixtures - MFG	25-34 years old	<5	432,675	-
Furniture & Fixtures - MFG	35-44 years old	<5	624,705	-
Furniture & Fixtures - MFG	45-55 years old	0	495,489	0.00
Furniture & Fixtures - MFG	55-64 years old	0	330,914	0.00
Furniture & Fixtures - MFG	65+ years old	0	73,128	0.00
Stone, Clay, Glass, & Concrete Prod-MFG	18-24 years old	0	59,763	0.00
Stone, Clay, Glass, & Concrete Prod-MFG	25-34 years old	0	138,032	0.00
Stone, Clay, Glass, & Concrete Prod-MFG	35-44 years old	0	181,477	0.00
Stone, Clay, Glass, & Concrete Prod-MFG	45-55 years old	<5	156,074	-
Stone, Clay, Glass, & Concrete Prod-MFG	55-64 years old	<5	66,308	-
Stone, Clay, Glass, & Concrete Prod-MFG	65+ years old	0	14,495	0.00
Primary Metal-MFG	18-24 years old	0	25,620	0.00
Primary Metal-MFG	25-34 years old	0	87,942	0.00
Primary Metal-MFG	35-44 years old	0	78,496	0.00
Primary Metal-MFG	45-55 years old	0	77,247	0.00
Primary Metal-MFG	55-64 years old	0	30,421	0.00
Primary Metal-MFG	65+ years old	0	7,546	0.00
Fabricated Metal Prod-MFG	18-24 years old	0	102,801	0.00
Fabricated Metal Prod-MFG	25-34 years old	0	225,464	0.00
Fabricated Metal Prod-MFG	35-44 years old	0	315,782	0.00
Fabricated Metal Prod-MFG	45-55 years old	<5	265,510	-
Fabricated Metal Prod-MFG	55-64 years old	0	127,082	0.00
Fabricated Metal Prod-MFG	65+ years old	0	13,375	0.00
Machinery & Transport Equip-MFG	18-24 years old	<5	279,828	-
Machinery & Transport Equip-MFG	25-34 years old	0	671,184	0.00
Machinery & Transport Equip-MFG	35-44 years old	<5	887,982	-
Machinery & Transport Equip-MFG	45-55 years old	0	735,602	0.00

Machinery & Transport Equip-MFG	55-64 years old	<5	281,741	-
Machinery & Transport Equip-MFG	65+ years old	0	40,680	0.00
Computer, Medical, ETC, Equip-MFG	18-24 years old	0	205,230	0.00
Computer, Medical, ETC, Equip-MFG	25-34 years old	0	596,840	0.00
Computer, Medical, ETC, Equip-MFG	35-44 years old	0	835,557	0.00
Computer, Medical, ETC, Equip-MFG	45-55 years old	0	658,195	0.00
Computer, Medical, ETC, Equip-MFG	55-64 years old	0	252,814	0.00
Computer, Medical, ETC, Equip-MFG	65+ years old	0	38,600	0.00
Misc- MFG	18-24 years old	0	112,065	0.00
Misc- MFG	25-34 years old	<5	251,192	-
Misc- MFG	35-44 years old	0	292,362	0.00
Misc- MFG	45-55 years old	<5	240,357	-
Misc- MFG	55-64 years old	0	111,068	0.00
Misc- MFG	65+ years old	0	20,332	0.00
Transport- Railroad, Water, Air	18-24 years old	0	31,706	0.00
Transport- Railroad, Water, Air	25-34 years old	0	97,031	0.00
Transport- Railroad, Water, Air	35-44 years old	0	218,493	0.00
Transport- Railroad, Water, Air	45-55 years old	0	169,643	0.00
Transport- Railroad, Water, Air	55-64 years old	0	86,214	0.00
Transport- Railroad, Water, Air	65+ years old	0	4,110	0.00
Transport- Taxi	18-24 years old	<5	6,458	-
Transport- Taxi	25-34 years old	5	9,852	50.75
Transport- Taxi	35-44 years old	8	14,168	56.47
Transport- Taxi	45-55 years old	9	23,506	38.29
Transport- Taxi	55-64 years old	6	9,909	60.55
Transport- Taxi	65+ years old	0	11,662	0.00
Transport- Bus, Subway, Trolley, Truck	18-24 years old	0	155,320	0.00
Transport- Bus, Subway, Trolley, Truck	25-34 years old	<5	514,603	-

Transport- Bus, Subway, Trolley, Truck	35-44 years old	<5	702,392	-
Transport- Bus, Subway, Trolley, Truck	45-55 years old	0	486,095	0.00
Transport- Bus, Subway, Trolley, Truck	55-64 years old	<5	270,342	-
Transport- Bus, Subway, Trolley, Truck	65+ years old	0	75,862	0.00
Warehouse, Storage, & Transport SVCS	18-24 years old	0	91,537	0.00
Warehouse, Storage, & Transport SVCS	25-34 years old	<5	209,337	-
Warehouse, Storage, & Transport SVCS	35-44 years old	<5	216,405	-
Warehouse, Storage, & Transport SVCS	45-55 years old	<5	164,117	-
Warehouse, Storage, & Transport SVCS	55-64 years old	<5	92,444	-
Warehouse, Storage, & Transport SVCS	65+ years old	0	42,181	0.00
Radio, TV, Phone, & MISC Communications	18-24 years old	0	135,580	0.00
Radio, TV, Phone, & MISC Communications	25-34 years old	0	433,539	0.00
Radio, TV, Phone, & MISC Communications	35-44 years old	<5	361,274	-
Radio, TV, Phone, & MISC Communications	45-55 years old	0	409,896	0.00
Radio, TV, Phone, & MISC Communications	55-64 years old	0	84,556	0.00
Radio, TV, Phone, & MISC Communications	65+ years old	0	15,631	0.00
Electric, Gas, Pipelines, & Nonspec Utility	18-24 years old	0	48,596	0.00
Electric, Gas, Pipelines, & Nonspec Utility	25-34 years old	0	141,434	0.00
Electric, Gas, Pipelines, & Nonspec Utility	35-44 years old	0	260,782	0.00
Electric, Gas, Pipelines, & Nonspec Utility	45-55 years old	0	314,602	0.00
Electric, Gas, Pipelines, & Nonspec Utility	55-64 years old	<5	67,166	-
Electric, Gas, Pipelines, & Nonspec Utility	65+ years old	0	11,739	0.00
Water, Supply, & Sanitation Utility	18-24 years old	0	41,723	0.00
Water, Supply, & Sanitation Utility	25-34 years old	<5	120,318	-
Water, Supply, & Sanitation Utility	35-44 years old	<5	170,147	-
Water, Supply, & Sanitation Utility	45-55 years old	0	152,835	0.00
Water, Supply, & Sanitation Utility	55-64 years old	0	73,073	0.00
Water, Supply, & Sanitation Utility	65+ years old	0	37,958	0.00

Wholesale Trade	18-24 years old	0	301,158	0.00
Wholesale Trade	25-34 years old	<5	778,187	-
Wholesale Trade	35-44 years old	0	1,045,778	0.00
Wholesale Trade	45-55 years old	<5	906,825	-
Wholesale Trade	55-64 years old	0	404,700	0.00
Wholesale Trade	65+ years old	<5	159,144	-
General Retail Trade	18-24 years old	<5	1,473,761	-
General Retail Trade	25-34 years old	5	1,748,162	0.29
General Retail Trade	35-44 years old	7	1,795,815	0.39
General Retail Trade	45-55 years old	11	1,580,712	0.70
General Retail Trade	55-64 years old	8	952,127	0.84
General Retail Trade	65+ years old	13	465,957	2.79
Grocery, Dairy, & Food Stores- Retail	18-24 years old	10	568,143	1.76
Grocery, Dairy, & Food Stores- Retail	25-34 years old	15	439,851	3.41
Grocery, Dairy, & Food Stores- Retail	35-44 years old	16	524,475	3.05
Grocery, Dairy, & Food Stores- Retail	45-55 years old	15	345,715	4.34
Grocery, Dairy, & Food Stores- Retail	55-64 years old	12	205,602	5.84
Grocery, Dairy, & Food Stores- Retail	65+ years old	7	120,627	5.80
Auto Sales & Services- Retail & Repair	18-24 years old	<5	268,488	-
Auto Sales & Services- Retail & Repair	25-34 years old	<5	553,681	-
Auto Sales & Services- Retail & Repair	35-44 years old	<5	605,529	-
Auto Sales & Services- Retail & Repair	45-55 years old	<5	500,705	-
Auto Sales & Services- Retail & Repair	55-64 years old	<5	219,506	-
Auto Sales & Services- Retail & Repair	65+ years old	<5	117,650	-
Gasoline Service Stations- Retail	18-24 years old	<5	52,074	-
Gasoline Service Stations- Retail	25-34 years old	10	48,313	20.70
Gasoline Service Stations- Retail	35-44 years old	14	55,651	25.16
Gasoline Service Stations- Retail	45-55 years old	6	36,257	16.55

Gasoline Service Stations- Retail	55-64 years old	9	29,438	30.57
Gasoline Service Stations- Retail	65+ years old	<5	16,788	-
Eating & Drinking Places- Retail	18-24 years old	9	1,780,562	0.51
Eating & Drinking Places- Retail	25-34 years old	9	1,131,917	0.80
Eating & Drinking Places- Retail	35-44 years old	19	943,727	2.01
Eating & Drinking Places- Retail	45-55 years old	9	528,413	1.70
Eating & Drinking Places- Retail	55-64 years old	7	236,831	2.96
Eating & Drinking Places- Retail	65+ years old	<5	102,633	-
Drug Stores- Retail	18-24 years old	0	133,946	0.00
Drug Stores- Retail	25-34 years old	0	124,955	0.00
Drug Stores- Retail	35-44 years old	<5	104,997	-
Drug Stores- Retail	45-55 years old	0	99,970	0.00
Drug Stores- Retail	55-64 years old	0	48,129	0.00
Drug Stores- Retail	65+ years old	0	20,190	0.00
Finance, Insurance, & Real Estate	18-24 years old	<5	542,933	-
Finance, Insurance, & Real Estate	25-34 years old	<5	1,628,113	-
Finance, Insurance, & Real Estate	35-44 years old	<5	1,751,721	-
Finance, Insurance, & Real Estate	45-55 years old	<5	1,557,145	-
Finance, Insurance, & Real Estate	55-64 years old	8	669,598	1.19
Finance, Insurance, & Real Estate	65+ years old	<5	224,541	-
Business & Repair Services	18-24 years old	<5	454,803	-
Business & Repair Services	25-34 years old	<5	1,173,860	-
Business & Repair Services	35-44 years old	<5	1,201,274	-
Business & Repair Services	45-55 years old	<5	723,851	-
Business & Repair Services	55-64 years old	<5	336,194	-
Business & Repair Services	65+ years old	<5	136,260	-
Personnel Supply Services	18-24 years old	<5	144,069	-
Personnel Supply Services	25-34 years old	<5	239,157	-

Personnel Supply Services	35-44 years old	0	196,740	0.00
Personnel Supply Services	45-55 years old	0	105,260	0.00
Personnel Supply Services	55-64 years old	0	56,421	0.00
Personnel Supply Services	65+ years old	0	29,389	0.00
Detective & Protective Services	18-24 years old	<5	50,228	-
Detective & Protective Services	25-34 years old	<5	92,312	-
Detective & Protective Services	35-44 years old	0	82,968	0.00
Detective & Protective Services	45-55 years old	<5	74,533	-
Detective & Protective Services	55-64 years old	0	50,011	0.00
Detective & Protective Services	65+ years old	0	37,151	0.00
Personal Services	18-24 years old	0	245,391	0.00
Personal Services	25-34 years old	<5	486,334	-
Personal Services	35-44 years old	6	472,944	1.27
Personal Services	45-55 years old	0	456,254	0.00
Personal Services	55-64 years old	<5	254,743	-
Personal Services	65+ years old	0	179,231	0.00
Lodging Services	18-24 years old	0	187,016	0.00
Lodging Services	25-34 years old	0	211,130	0.00
Lodging Services	35-44 years old	<5	244,602	-
Lodging Services	45-55 years old	<5	152,231	-
Lodging Services	55-64 years old	<5	92,378	-
Lodging Services	65+ years old	<5	55,680	-
Entertainment & Recreation Services	18-24 years old	<5	333,576	-
Entertainment & Recreation Services	25-34 years old	<5	261,541	-
Entertainment & Recreation Services	35-44 years old	<5	217,992	-
Entertainment & Recreation Services	45-55 years old	<5	181,784	-
Entertainment & Recreation Services	55-64 years old	<5	107,670	-
Entertainment & Recreation Services	65+ years old	0	71,445	0.00

Professional & Related Services	18-24 years old	<5	2,490,107	-
Professional & Related Services	25-34 years old	<5	6,139,297	-
Professional & Related Services	35-44 years old	7	7,098,490	0.10
Professional & Related Services	45-55 years old	<5	7,118,993	-
Professional & Related Services	55-64 years old	0	3,238,838	0.00
Professional & Related Services	65+ years old	0	1,040,201	0.00
Public Admin	18-24 years old	0	147,718	0.00
Public Admin	25-34 years old	0	522,843	0.00
Public Admin	35-44 years old	<5	836,121	-
Public Admin	45-55 years old	<5	1,125,620	-
Public Admin	55-64 years old	<5	447,817	-
Public Admin	65+ years old	0	113,320	0.00
Justice, Public Order, & Safety	18-24 years old	5	109,373	4.57
Justice, Public Order, & Safety	25-34 years old	14	628,582	2.23
Justice, Public Order, & Safety	35-44 years old	16	570,126	2.81
Justice, Public Order, & Safety	45-55 years old	7	455,962	1.54
Justice, Public Order, & Safety	55-64 years old	<5	140,965	-
Justice, Public Order, & Safety	65+ years old	<5	31,147	-

Appendix Table 3: Incidence by Industry and Class of Worker

Industry	Class of Worker	cases	worker years	Crude Rate
Agriculture	self employed	<5	484,500	-
Agriculture	privately employed	4	697,901	0.57
Agriculture	government employed	0	36,136	0.00
Agriculture Services	self employed	0	369,122	0.00
Agriculture Services	privately employed	0	650,338	0.00

Agriculture Services	government employed	0	25,093	0.00
Fishing, Hunting & Trapping	self employed	0	51,095	0.00
Fishing, Hunting & Trapping	privately employed	0	20,046	0.00
Fishing, Hunting & Trapping	government employed	0	15,401	0.00
Mining & Oil	self employed	0	10,834	0.00
Mining & Oil	privately employed	0	128,559	0.00
Mining & Oil	government employed	0	248	0.00
Construction	self employed	<5	2,511,845	-
Construction	privately employed	11	6,432,001	0.17
Construction	government employed	0	339,862	0.00
Food & Kindred Prod-MFG	self employed	0	25,801	0.00
Food & Kindred Prod-MFG	privately employed	<5	1,286,498	-
Food & Kindred Prod-MFG	government employed	0	24,359	0.00
Tobacco Manufactures	self employed	0	3,245	0.00
Tobacco Manufactures	privately employed	0	326,536	0.00
Tobacco Manufactures	government employed	0	2,512	0.00
Textile Mill Prod-MFG	self employed	0	37,995	0.00
Textile Mill Prod-MFG	privately employed	<5	2,367,706	-
Textile Mill Prod-MFG	government employed	0	19,834	0.00
Apparel & Finished Textile Prod-MFG	self employed	0	27,231	0.00
Apparel & Finished Textile Prod-MFG	privately employed	0	1,491,441	0.00
Apparel & Finished Textile Prod-MFG	government employed	0	11,820	0.00
Paper & Allied Prod-MFG	self employed	0	7,848	0.00
Paper & Allied Prod-MFG	privately employed	0	569,217	0.00
Paper & Allied Prod-MFG	government employed	0	2,458	0.00
Printing & Publishing	self employed	<5	105,621	-
Printing & Publishing	privately employed	<5	945,001	-
Printing & Publishing	government employed	0	10,722	0.00

Chemicals & Petroleum Prod-MFG	self employed	0	19,651	0.00
Chemicals & Petroleum Prod-MFG	privately employed	0	1,384,706	0.00
Chemicals & Petroleum Prod-MFG	government employed	0	6,800	0.00
Rubber Leather & Misc Plastic Prod-MFG	self employed	0	16,321	0.00
Rubber Leather & Misc Plastic Prod-MFG	privately employed	<5	1,053,443	-
Rubber Leather & Misc Plastic Prod-MFG	government employed	0	6,719	0.00
Forestry & Logging- MFG	self employed	0	58,588	0.00
Forestry & Logging- MFG	privately employed	<5	123,916	-
Forestry & Logging- MFG	government employed	0	31,169	0.00
Sawmills Planing & Misc Wood Prod-MFG	self employed	0	31,913	0.00
Sawmills Planing & Misc Wood Prod-MFG	privately employed	0	604,398	0.00
Sawmills Planing & Misc Wood Prod-MFG	government employed	0	3,512	0.00
Wood Buildings & Mobile Homes - MFG	self employed	0	9,138	0.00
Wood Buildings & Mobile Homes - MFG	privately employed	0	216,884	0.00
Wood Buildings & Mobile Homes - MFG	government employed	0	1,742	0.00
Furniture & Fixtures - MFG	self employed	0	71,000	0.00
Furniture & Fixtures - MFG	privately employed	<5	2,099,049	-
Furniture & Fixtures - MFG	government employed	0	14,272	0.00
Stone, Clay, Glass, & Concrete Prod-MFG	self employed	0	39,479	0.00
Stone, Clay, Glass, & Concrete Prod-MFG	privately employed	<5	574,884	-
Stone, Clay, Glass, & Concrete Prod-MFG	government employed	0	1,786	0.00
Primary Metal-MFG	self employed	0	9,517	0.00
Primary Metal-MFG	privately employed	0	294,658	0.00
Primary Metal-MFG	government employed	0	3,097	0.00
Fabricated Metal Prod-MFG	self employed	0	31,518	0.00
Fabricated Metal Prod-MFG	privately employed	<5	1,013,740	-
Fabricated Metal Prod-MFG	government employed	0	4,756	0.00
Machinery & Transport Equip-MFG	self employed	0	66,732	0.00

Machinery & Transport Equip-MFG	privately employed	<5	2,782,967	-
Machinery & Transport Equip-MFG	government employed	0	47,318	0.00
Computer, Medical, ETC, Equip-MFG	self employed	0	40,285	0.00
Computer, Medical, ETC, Equip-MFG	privately employed	0	2,529,502	0.00
Computer, Medical, ETC, Equip-MFG	government employed	0	17,449	0.00
Misc- MFG	self employed	0	62,068	0.00
Misc- MFG	privately employed	<5	955,559	-
Misc- MFG	government employed	0	9,749	0.00
Transport- Railroad, Water, Air	self employed	0	5,317	0.00
Transport- Railroad, Water, Air	privately employed	0	573,048	0.00
Transport- Railroad, Water, Air	government employed	0	28,832	0.00
Transport- Taxi	self employed	<5	27,168	<5
Transport- Taxi	privately employed	28	47,062	59.50
Transport- Taxi	government employed	0	1,325	0.00
Transport- Bus, Subway, Trolley, Truck	self employed	0	321,382	0.00
Transport- Bus, Subway, Trolley, Truck	privately employed	<5	1,797,477	-
Transport- Bus, Subway, Trolley, Truck	government employed	0	85,755	0.00
Warehouse, Storage, & Transport SVCS	self employed	<5	87,697	-
Warehouse, Storage, & Transport SVCS	privately employed	<5	645,319	-
Warehouse, Storage, & Transport SVCS	government employed	<5	83,005	-
Radio, TV, Phone, & MISC Communications	self employed	0	18,776	0.00
Radio, TV, Phone, & MISC Communications	privately employed	<5	1,404,973	-
Radio, TV, Phone, & MISC Communications	government employed	0	16,727	0.00
Electric, Gas, Pipelines, & Nonspec Utility	self employed	0	1,539	0.00
Electric, Gas, Pipelines, & Nonspec Utility	privately employed	<5	755,269	-
Electric, Gas, Pipelines, & Nonspec Utility	government employed	<5	87,511	-
Water, Supply, & Sanitation Utility	self employed	0	33,327	0.00
Water, Supply, & Sanitation Utility	privately employed	<5	308,897	-

Water, Supply, & Sanitation Utility	government employed	<5	253,830	-
Wholesale Trade	self employed	<5	294,539	-
Wholesale Trade	privately employed	7	3,267,019	0.21
Wholesale Trade	government employed	0	34,234	0.00
General Retail Trade	self employed	30	824,953	3.64
General Retail Trade	privately employed	16	7,089,125	0.23
General Retail Trade	government employed	0	102,456	0.00
Grocery, Dairy, & Food Stores- Retail	self employed	37	129,258	28.62
Grocery, Dairy, & Food Stores- Retail	privately employed	38	2,034,282	1.87
Grocery, Dairy, & Food Stores- Retail	government employed	0	40,873	0.00
Auto Sales & Services- Retail & Repair	self employed	7	451,861	1.55
Auto Sales & Services- Retail & Repair	privately employed	5	1,779,411	0.28
Auto Sales & Services- Retail & Repair	government employed	0	34,287	0.00
Gasoline Service Stations- Retail	self employed	13	26,671	48.74
Gasoline Service Stations- Retail	privately employed	31	209,402	14.80
Gasoline Service Stations- Retail	government employed	0	2,448	0.00
Eating & Drinking Places- Retail	self employed	17	284,581	5.97
Eating & Drinking Places- Retail	privately employed	39	4,353,873	0.90
Eating & Drinking Places- Retail	government employed	0	85,629	0.00
Drug Stores- Retail	self employed	0	15,363	0.00
Drug Stores- Retail	privately employed	<5	509,851	-
Drug Stores- Retail	government employed	0	6,973	0.00
Finance, Insurance, & Real Estate	self employed	9	693,943	1.30
Finance, Insurance, & Real Estate	privately employed	12	5,482,872	0.22
Finance, Insurance, & Real Estate	government employed	0	197,236	0.00
Business & Repair Services	self employed	<5	856,799	-
Business & Repair Services	privately employed	<5	3,119,226	-
Business & Repair Services	government employed	0	50,217	0.00

Personnel Supply Services	self employed	0	49,227	0.00
Personnel Supply Services	privately employed	<5	672,413	-
Personnel Supply Services	government employed	0	49,396	0.00
Detective & Protective Services	self employed	0	30,490	0.00
Detective & Protective Services	privately employed	5	345,241	1.45
Detective & Protective Services	government employed	0	11,472	0.00
Personal Services	self employed	6	951,595	0.63
Personal Services	privately employed	5	1,126,129	0.44
Personal Services	government employed	0	17,173	0.00
Lodging Services	self employed	<5	62,191	-
Lodging Services	privately employed	7	863,295	0.81
Lodging Services	government employed	0	17,551	0.00
Entertainment & Recreation Services	self employed	<5	92,272	-
Entertainment & Recreation Services	privately employed	6	911,214	0.66
Entertainment & Recreation Services	government employed	0	170,522	0.00
Professional & Related Services	self employed	0	1,834,687	0.00
Professional & Related Services	privately employed	9	16,508,415	0.05
Professional & Related Services	government employed	<5	8,782,824	-
Public Admin	self employed	0	-	.
Public Admin	privately employed	0	-	.
Public Admin	government employed	<5	3,193,439	-
Justice, Public Order, & Safety	government employed	47	1,936,155	2.43

IR: incidence rate; crude IR is calculated per 100,000 worker-years

Appendix Table 4: Overall Crude Homicide Rate by Race

Race, Ethnicity	n	worker years	Crude Rate	Standardized Rate	95% CI	Standardized RR	95% CI
Non-Hispanic White	289	79,850,257	0.36	0.35602	0.31, 0.40	1.00	-
Non-Hispanic Black	106	20,169,998	0.53	0.53	0.43, 0.64	1.50	1.20, 1.87
Hispanic	31	4,424,975	0.70	1.05	0.55, 1.54	2.94	1.81, 4.79
Non-black, non-white, non-Hispanic	30	5,019,200	0.60	0.67	0.42, 0.93	1.89	1.28, 2.80

IR: incidence rate; crude IR is calculated per 100,000 worker-years

Appendix Table 5: Victim Perpetrator Relationship

Industry	Stranger	Customer, Client	Co-Worker	Personal Relation	Insufficient Information
Overall	252 (55)	55 (12)	43 (9)	45 (10)	61 (13)
Agriculture			<5	<5	
Construction	<5	<5	<5	<5	7 (58)
Food and kindred	<5	<5	1 (33)	-	<5
Printing and publishing	<5	-	<5	<5	-
Rubber, leather, and misc. plastic	-	-	<5	-	-
Forestry and logging	<5	-	<5	-	-
Furniture and fixtures	-	-	<5	<5	-
Stone, clay, glass, and concrete	-	-	<5	-	<5
Fabricated metal	-	-	-	-	<5
Machinery and transport equipment	-	-	<5	<5	-
Miscellaneous -MFG	-	-	<5	-	-
Taxi	10 (33)	11 (37)	<5	-	8 (27)
Bus, subway, trolley, truck	<5	-	-	-	<5

Warehouse storage and transport services	<5	<5	<5	-	-
Radio, TV, phone and misc. communications	-	-	-	-	<5
Electric gas pipelines, and nonspecific utility	<5	-	<5	-	-
Water supply and sanitation	-	-	<5	-	<5
Wholesale Trade	<5	-	5 (56)	<5	-
General retail trade	35 (76)	<5	<5	5 (11)	<5
Grocery, dairy, and food stores	59 (79)	<5	<5	<5	8 (11)
Auto sales and services (retail and repair)	<5	<5	<5	<5	<5
Gasoline service stations	39 (89)	<5		<5	<5
Eating and drinking places	20 (36)	17 (30)	10 (18)	5 (9)	<5
Drug stores	-	-	<5	-	-
Financial, insurance, and real estate	10 (48)	<5	-	<5	5 (24)
Business and repair	<5	<5	-	<5	<5
Personal supply	-	-	-	<5	-
Detective and protective	<5	<5	-	-	<5
Personal	5 (45)	-	-	<5	<5
Lodging	<5	<5	-	<5	<5
Entertainment and recreational	7 (78)	<5	-	<5	-
Professional and related	-	<5	-	6 (55)	<5
Public Administration	<5	<5	-	<5	<5
Justice, Public Order, and Safety	44 (94)	-	-	<5	<5

*Industries not listed did not experience any homicides; MFG= manufacturing