

State of Michigan

Traumatic Occupational Fatalities (1980-1995):

Number: 2,433

Rate: 3.7 per 100,000 workers

Leading Causes of Death (1980-1995):

Homicide - 464

Motor Vehicle - 440

Industries with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Manufacturing - 397

Rate: Mining - 24.7 per 100,000 workers

Occupations with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Precision Production/Craft/Repair - 421

Rate: Farming/Forestry/Fishing - 14.3 per 100,000 workers

Table MI-1. *Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, Michigan, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	168	4.4
1981	170	4.4
1982	177	4.9
1983	152	4.1
1984	134	3.5
1985	184	4.7
1986	168	4.2
1987	171	4.1
1988	166	3.9
1989	133	3.1
1990	134	3.2
1991	116	2.8
1992	127	3.0
1993	144	3.3
1994	163	3.6
1995	126	2.8
Total	2,433	3.7

Table MI-2. *Number* and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, Michigan, 1980-1995.*

DEMOGRAPHICS	Total		YEAR OF DEATH					
			1980-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Sex								
Male	2,234	6.1	910	6.9	711	6.1	613	5.2
Female	199	0.7	75	0.8	61	0.7	63	0.6
Race								
White	2,074	3.6	844	4.1	657	3.5	573	3.0
Black	313	4.9	131	6.5	99	4.8	83	3.6
Other	43	4.0	10	3.8	13	3.6	20	4.4
Age Group								
16-17	22	1.2	12	1.7	4	0.7	6	1.1
18-19	76	2.8	31	2.8	22	2.5	23	3.1
20-24	267	3.3	125	4.1	88	3.4	54	2.2
25-34	644	3.6	261	4.2	213	3.5	170	3.0
35-44	491	3.1	167	3.4	165	3.3	159	2.7
45-54	435	3.9	160	4.3	129	3.8	146	3.7
55-64	335	5.3	161	6.4	94	4.8	80	4.2
65+	159	11.4	64	13.0	57	14.4	38	7.5

*Numbers not reported for "unknown" categories.

Table MI-3. *Number and Average Annual Rate* (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, Michigan, 1980-1995.*

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Homicide	464	0.7
Motor Vehicle	440	0.7
Machine	337	0.5
Fall	252	0.4
Electrocution	182	0.3
Struck by Falling Object	127	0.2
Suicide	107	0.2
Nature/Environment	73	0.1
Flying Object/Caught In	68	0.1
Air Transport	62	0.1
Fire	50	0.1
Poisoning	48	0.1
Explosion	47	0.1
Suffocation	40	0.1
Drowning	27	< 0.1
Water Transport	20	< 0.1
Rail Transport	16	< 0.1
Other	52	0.1
Unknown\Undetermined	21	---

*Rates not calculated for "unknown" or "not classified" categories.

Table MI-4. Number and Rate* (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, Michigan, 1983-1995.

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	154	13.0	53	19.4	49	10.7	52	11.6
Mining	22	24.7	8	32.9	11	32.2	3	9.9
Construction	303	11.1	55	10.7	136	12.5	112	9.9
Manufacturing	397	2.9	84	2.6	174	3.2	139	2.7
Trans/Comm/PU	285	9.9	74	11.7	112	10.3	99	8.5
Wholesale Trade	57	2.9	12	2.7	20	2.6	25	3.4
Retail Trade	235	2.4	56	2.8	88	2.3	91	2.3
Finance/Insur/RE	30	1.1	8	1.4	12	1.1	10	0.9
Services	252	1.5	69	2.0	90	1.4	93	1.3
Public Admin	94	4.8	22	5.6	43	5.9	29	3.4
Not Classified	89	---	29	---	37	---	23	---
Occupation Division								
Exec/Adm/Mgr	132	2.2	33	3.0	43	1.9	56	2.2
Prof/Spec	74	1.1	16	1.2	27	1.0	31	1.0
Tech/Support	43	2.6	10	2.9	18	2.8	15	2.2
Sales	168	2.6	44	3.4	64	2.6	60	2.3
Clerical	48	0.6	11	0.6	20	0.6	17	0.5
Service	166	2.2	35	2.0	81	2.7	50	1.7
Farm/For/Fish	180	14.3	59	20.5	65	13.0	56	11.8
Crafts	421	6.5	92	6.5	174	7.0	155	6.1
Mach Operators	134	2.5	23	1.8	60	2.8	51	2.6
Transport	279	12.6	76	16.4	108	11.9	95	11.4
Laborers	206	9.3	51	11.0	85	9.9	70	7.8
Not Classified	67	---	20	---	27	---	20	---

*Rates not calculated for "unknown" or "not classified" categories.

Table MI-5. Number* and Average Annual Rate** (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, Michigan, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	125	15.7	Food Stores	54	3.6
Ag Services	17	5.2	Motor Veh/Auto Supply Dealer	50	4.9
Forestry & Fisheries	12	20.5	Apparel & Accessory Stores	4	0.9
Mining			Eating & Drinking Places	50	1.6
Metal/Coal/Nonmetal Mining	10	26.9	Other Retail Trade	77	2.1
Oil and Gas Extraction	12	23.2	Finance/Insur/RE		
Construction	303	11.1	Banking and Other Finance	9	0.7
Manufacturing			Insurance and Real Estate	21	1.3
Food & Kindred Prod	21	3.2	Services		
Textile Mill Prod	---	---	Business Services	41	2.0
Apparel & Other Textile Pr	---	---	Automobile and Repair Services	71	8.2
Paper & Allied Products	7	2.0	Private Household Services	6	1.1
Printing/Publishing/Allied	15	2.2	Pers Serv Exc Priv Household	22	1.7
Chemical/Petroleum/Rubber	27	2.0	Entertainment & Rec Services	17	2.6
Lumber & Wood	44	19.0	Hospitals	15	0.6
Furniture	4	0.9	Health Services, Exc Hosp	14	0.7
Stone/Clay/Concrete	4	1.6	Educational Services	33	0.8
Primary Metals	56	9.2	Other Professional Services	33	1.2
Fabricated Metals	18	1.7	Public Admin		
Mach, Ex Elect	25	1.5	Justice, Pub Order, & Safety	66	8.0
Elect Mach, Equip Supplies	8	1.8	Admin of Hum Res Programs	---	---
Motor Vehicles Equip	108	2.1	National Sec/Internal Affairs	3	2.4
Aircraft & Parts	3	2.8	Other Pub Admin	24	3.6
Other Transport Equip	4	2.1	Not Classified	89	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	50	26.9			
Trans/Comm/PU					
Trucking/Warehousing/Storage	111	13.9			
Other Transportation	98	10.2			
Telephone Communications	4	1.2			
Other Communications	7	4.8			
Electric Light and Power	34	11.5			
Other Utility/Sanitary Service	31	9.0			
Wholesale Trade	57	2.9			

*Numbers not reported for cells with less than 3 deaths.

**Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

Table MI-6. Number* and Average Annual Rate^{††} (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, Michigan, 1983-1995.

DETAILED OCCUPATION	NO. OF DEATHS	RATE	DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr			Service		
Officials & Administrators, Public Admin	3	1.3	Private Household Service Occupations	---	---
Other Executive, Admin & Managerial	117	2.8	Protective Service	81	9.6
Management Related Occupations	12	0.8	Food Service	14	0.5
Prof/Spec			Health Service	5	0.5
Engineers	22	1.9	Cleaning and Building Service	47	3.3
Mathematical and Computer Scientists	---	---	Personal Service	18	1.6
Natural Scientists	---	---	Farm/For/Fish		
Health Diagnosing Occupations	5	1.4	Farm Operators and Managers	104	22.8
Health Assessment and Treatment Occupations	7	0.7	Farm Workers and Related Occupations	44	6.1
Teachers, College and University	---	---	Forestry and Fishing Occupations	32	40.7
Teachers, Except College and University	11	0.6	Crafts		
Lawyers and Judges	6	2.2	Mechanics and Repairers	128	5.7
Other Professional Specialty Occupations	19	1.2	Construction Trades	206	10.9
Tech/Support			Other Precision Production, Craft, and Repair	87	3.8
Health Technologists and Technicians	5	0.8	Mach Operators		
Engineering and Science Technicians	8	1.4	Machine Operators/Tenders, Except Precision	83	2.7
Technicians, Exc Health/Engineering/Science	30	6.8	Fabricators, Assemblers, Inspectors, Samplers	51	2.2
Sales			Transport		
Supervisors and Proprietors, Sales Occupations	102	6.2	Motor Vehicle Operators	204	13.0
Sales Reps, Finance and Business Services	10	1.1	Other Transport and Material Moving Occ	75	11.7
Sales Reps, Commodities, Except Retail	8	1.1	Laborers		
Sales Workers, Retail & Personal Services	47	1.5	Construction Laborers	74	26.7
Sales Related Occupations	---	---	Freight, Stock, & Materials Handlers	15	1.6
Clerical			Other Handlers, Equip. Cleaner, Helper, Laborer	117	11.8
Supervisors, Administrative Support	3	1.0	Other or Not Classified	67	---
Computer Equipment Operators	---	---			
Secretaries, Stenographers, and Typists	5	0.2			
Financial Records Processing	---	---			
Mail and Message Distribution	9	2.2			
Other Admin. Support, Including Clerical	29	0.8			

*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

††Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.