

The Economic and Societal Impact of Crashes in Northville, Michigan

Monday, February 27, 2023

Source Data

[NHTSA: The Economic & Societal Impact of Motor Vehicle Crashes, 2022 \(revised\)](#)

All values in 2019 value

[Michigan Traffic Crash Facts](#)

2004 through 2021 Data
(Last 18 Years of Available Data)

Cost of Crashes	Fatal (K)	Serious injury (A)	Minor Injury (B)	Possible Injury (C)	No Injury	
Economic Cost	\$ 1,606,644	\$ 143,352	\$ 37,195	\$ 22,659	\$ 6,191	
Comprehensive Total	\$ 6,887,960	\$ 919,740	\$ 199,814	\$ 109,154	\$ 15,113	SECTION D-2

Pedestrian	Fatal (K)	Serious Injury (A)	Minor Injury (B)	Possible Injury (C)	No Injury	Total	
No pedestrian involved		1	30	116	351	2,550	3,048
Pedestrian involved		1	2	9	7	4	23
		2	32	125	358	2,554	3,071
All Crashes Econ. Cost	\$ 3,213,288	\$ 4,587,264	\$ 4,649,375	\$ 8,111,922	\$ 15,811,814	\$ 36,373,663	
All Crashes Comp. Cost	\$ 13,775,920	\$ 29,431,680	\$ 24,976,750	\$ 39,077,132	\$ 38,598,602	\$ 145,860,084	
Ped. Econ. Cost	\$ 1,606,644	\$ 286,704	\$ 334,755	\$ 158,613	\$ 24,764	\$ 2,411,480	\$ 2.4 Million
Ped Comp. Cost	\$ 6,887,960	\$ 1,839,480	\$ 1,798,326	\$ 764,078	\$ 60,452	\$ 11,350,296	\$ 11.4 Million
Ped % of All Crashes		0.7%	1.0 X the state average		0.7%		
Ped % of Fatal Crashes		50.0%	3.2 X the state average		15.6%		
Ped. % of all Serious Crashes		6.3%	0.8 X the state average		8.2%		
Ped. % of Fatal & Serious Crashes		8.8%	0.9 X the state average		9.3%		
% of All Crashes Fatal		0.1%	0.2 X the state average		0.3%		
% of Ped. Crashes Fatal		4.3%	0.7 X the state average		6.5%		

Bicyclist	Fatal (K)	Serious injury (A)	Minor Injury (B)	Possible Injury (C)	No injury	Total	
No bicyclist		2	30	116	346	2,540	3,034
Bicyclist involved		-	2	9	12	6	29
		2	32	125	358	2,546	3,063
All Crashes Econ. Cost	3,213,288	4,587,264	4,649,375	8,111,922	15,762,286	\$ 36,324,135	
All Crashes Comp. Cost	\$ 13,775,920	\$ 29,431,680	\$ 24,976,750	\$ 39,077,132	\$ 38,477,698	\$ 145,739,180	
Bike Econ. Cost	\$ -	\$ 286,704	\$ 334,755	\$ 271,908	\$ 37,146	\$ 930,513	\$ 0.9 Million
Bike Comp. Cost	\$ -	\$ 1,839,480	\$ 1,798,326	\$ 1,309,848	\$ 90,678	\$ 5,038,332	\$ 5.0 Million
Bike % of All Crashes		0.9%	2.3 X the state average		0.4%		
Bike % of All Fatal Crashes		0.0%	- X the state average		2.7%		
Bike % of All Serious Crashes		6.3%	1.9 X the state average		3.3%		
Bike % of Fatal & Serious Crashes		5.9%	1.8 X the state average		3.2%		
% of All Crashes Fatal		0.1%	0.2 X the state average		0.3%		
% of All Bike Crashes Fatal		0.0%	- X the state average		2.0%		

Pedestrian and Bicyclist				
P & B % of All Crashes	1.7%	1.5 X the state average		1.2%
P & B % of All Fatal Crashes	50.0%	2.7 X the state average		18.3%
P & B % of All Serious Crashes	12.5%	1.1 X the state average		11.5%
P & B % of Fatal & Serious Crash	14.7%	1.2 X the state average		12.5%
Ped. & Bike Economic Costs	\$ 3,341,993	\$ 3.34 Million	\$ 0.33 Mill. per year	\$ 55 Per person/ per year
Ped. & Bike Comp. Costs	\$ 16,388,628	\$ 16.39 Million	\$ 1.64 Mill. per year	\$ 270 Per person/ per year

Fatalities per 100,000 Population			
Population 2021 (2021 US Census Estimate)	6,074		
Fatalities Last Eighteen Years	All Traffic: 2	Pedestrians: 1	Bicycles: -
Average Fatalities per year	0.11	0.06	-
Fatalities per 100,000 pop.	1.83	0.91	-

Cost Per Year	
Bike Econ. Cost Per year	\$ 2,064
Bike Comp. Cost per Year	\$ 5,038