

.05 SAVES

Name of Project:
.05 Saves Lives

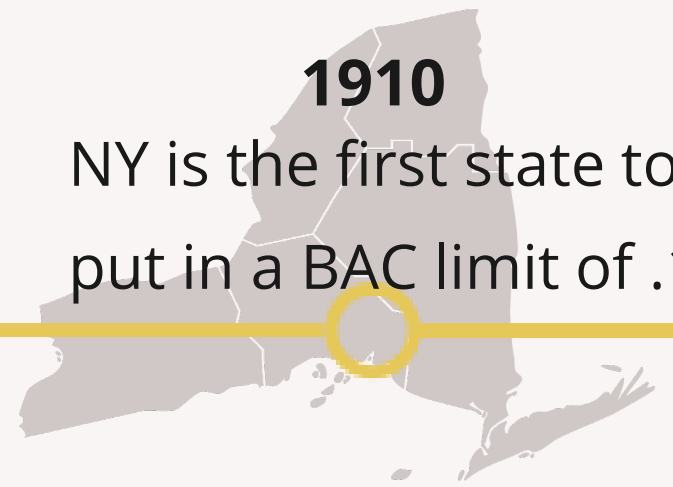
Presented By:
Michael MacLaren

LIVES

Overview

- Brief history of BAC laws
- Drinking and driving in Michigan
- What the science says
- .05 Campaign and Coalition

Brief History of BAC Law



1910

NY is the first state to put in a BAC limit of .15

1938

The **AMA** and the **NSC** suggested a BAC limit of **0.15%**

1960's

Some states begin lowering the limit to **.10**

2005

All states at **.08** per se BAC since 2005

2013

NTSB recommends .05 BAC limit for all states

2018

Only Utah has passed a .05 BAC limit

MI: 2019- **HB4420** and **HB4421**

*Pending legislation

2019

At least 11 states have introduced .05 BAC legislation since 2019 (AK*, CA, HI*, IL*, MI, NC*, NY,* OK*, OR, WA,* CT)

The international standard of nearly all industrialized countries has moved to .05 BAC over the past three decades

What the science says

- It is the strongest legislation available to reduce alcohol-related crashes and fatalities.
- Virtually everyone is impaired at .05 BAC – critical driving skills are impaired.
- A driver with a BAC between .05 - .079 is 7x more likely to be in a crash than a driver who has a BAC of 0.00
- Lowering the BAC from .10 to .08 resulted in a 9.2% decline in fatal alcohol-related crashes in the US.
- The US would see an estimated 11% reduction in DUI-related fatalities.
- .05 BAC is a general deterrent that shows reductions at all BAC levels.

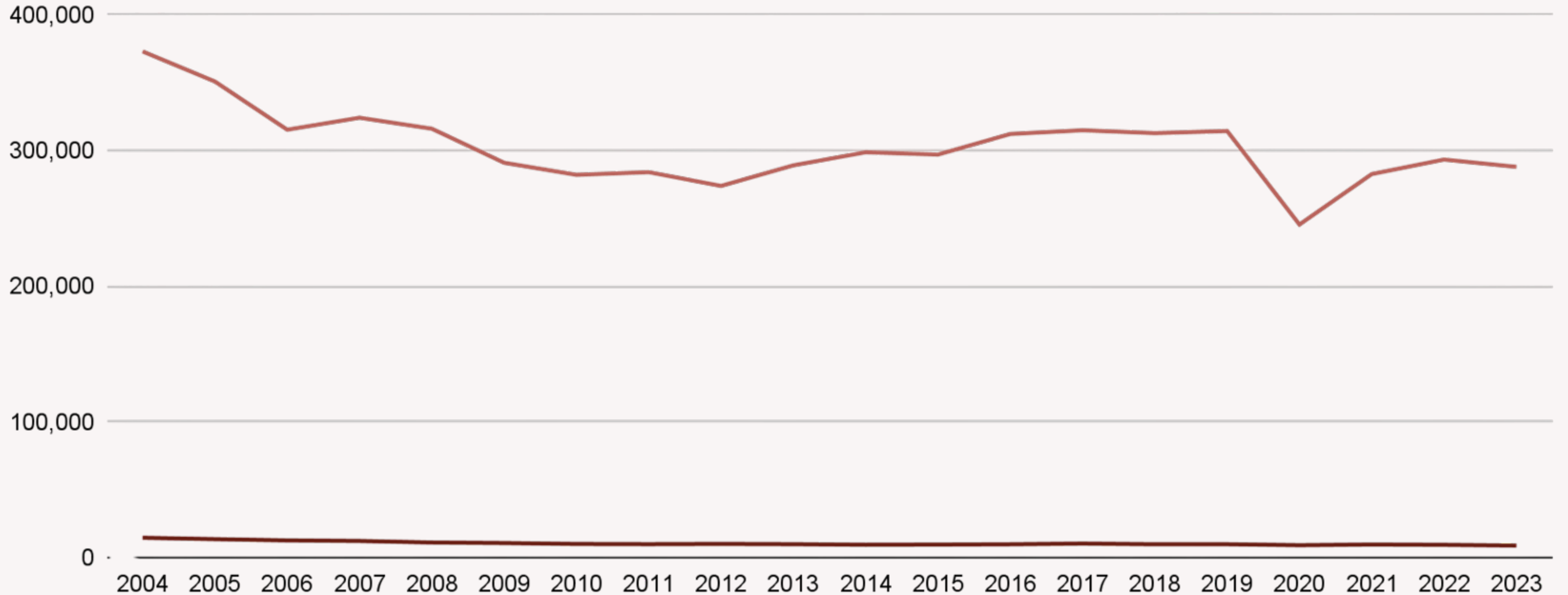
What the science says: impairment



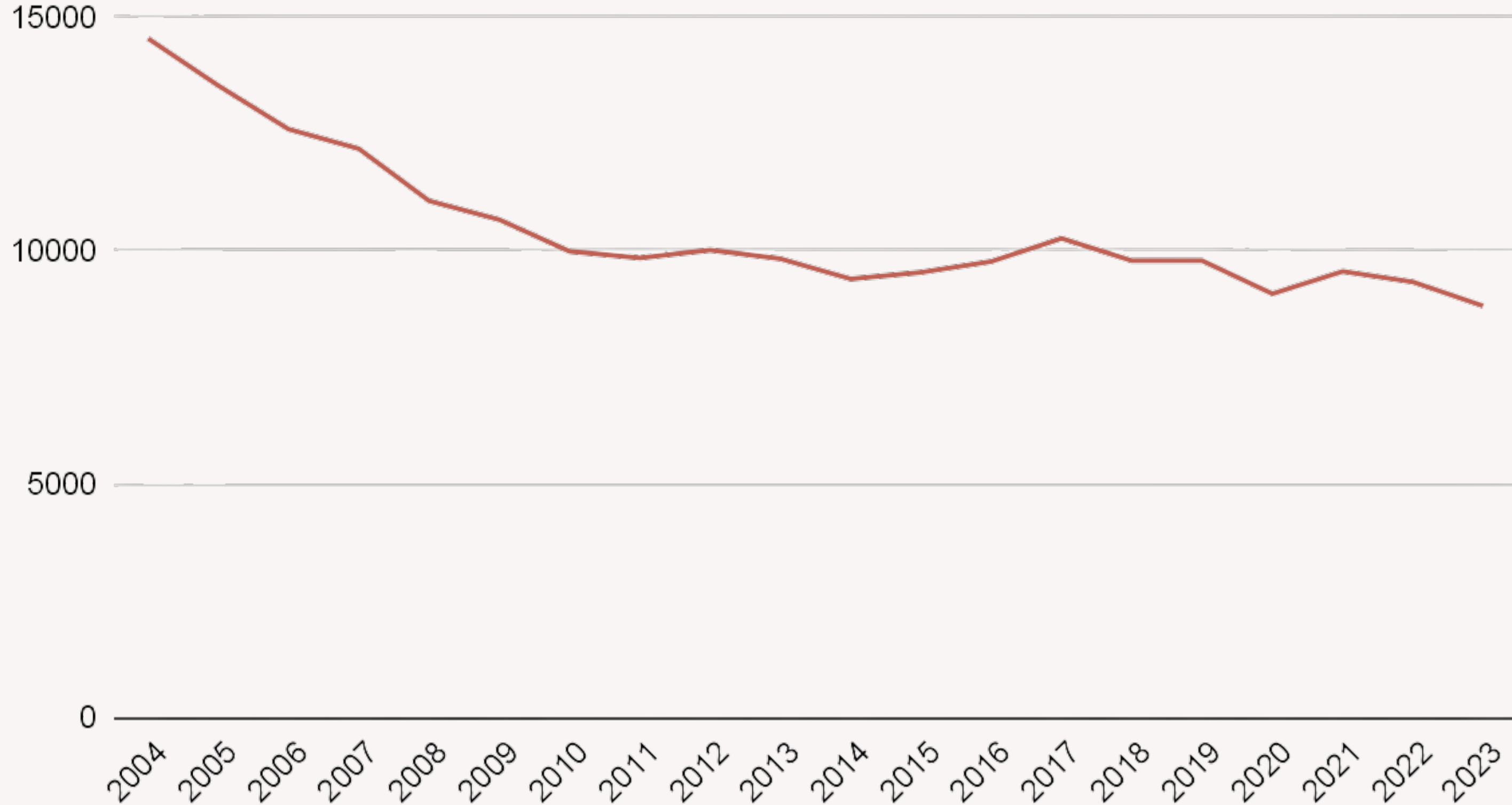
[Source: NHTSA
2001]

Michigan Statewide Total Crashes

(2004-2023)

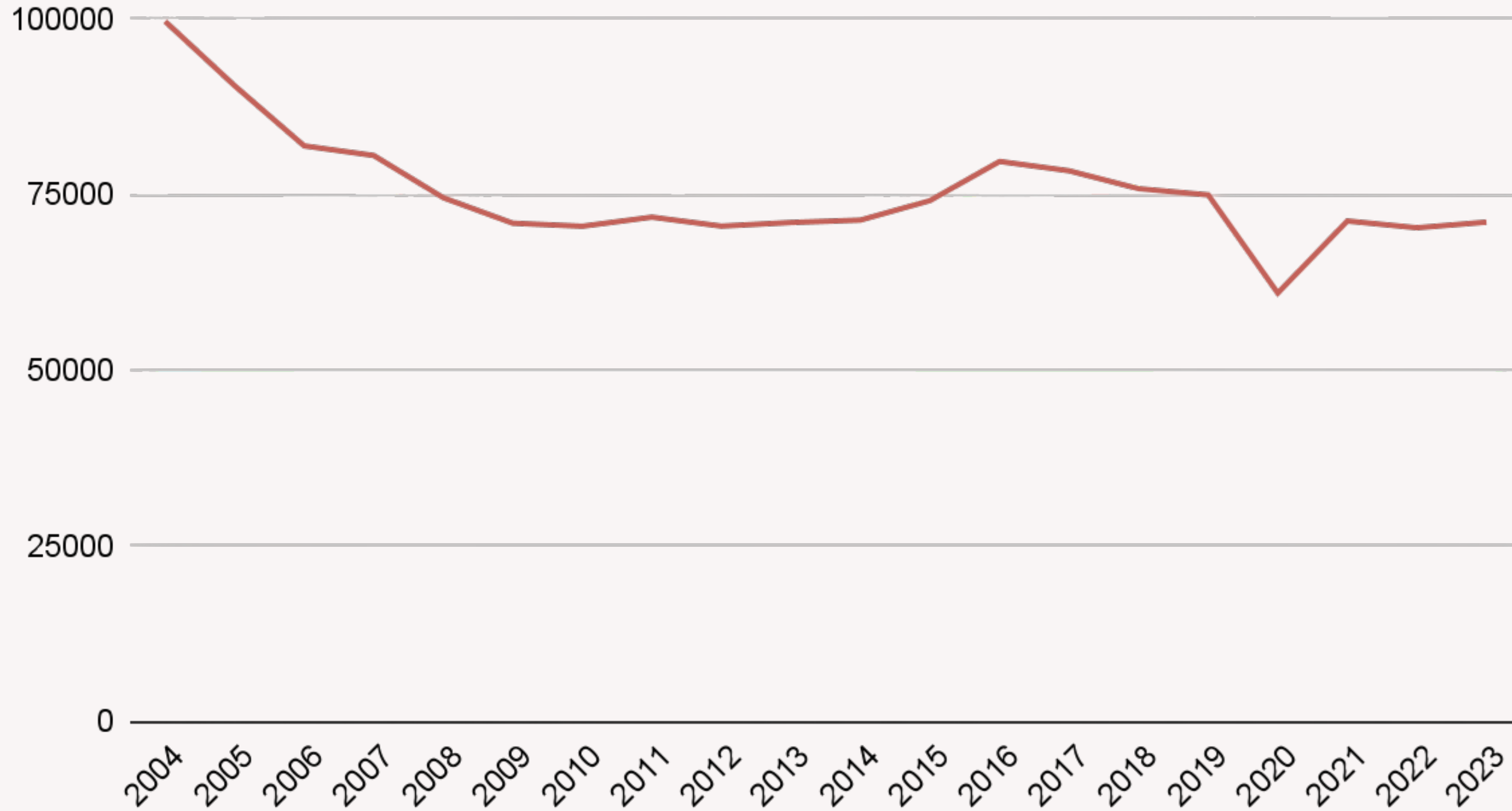


Michigan Statewide Alcohol-Involved Crashes (2004=2023)

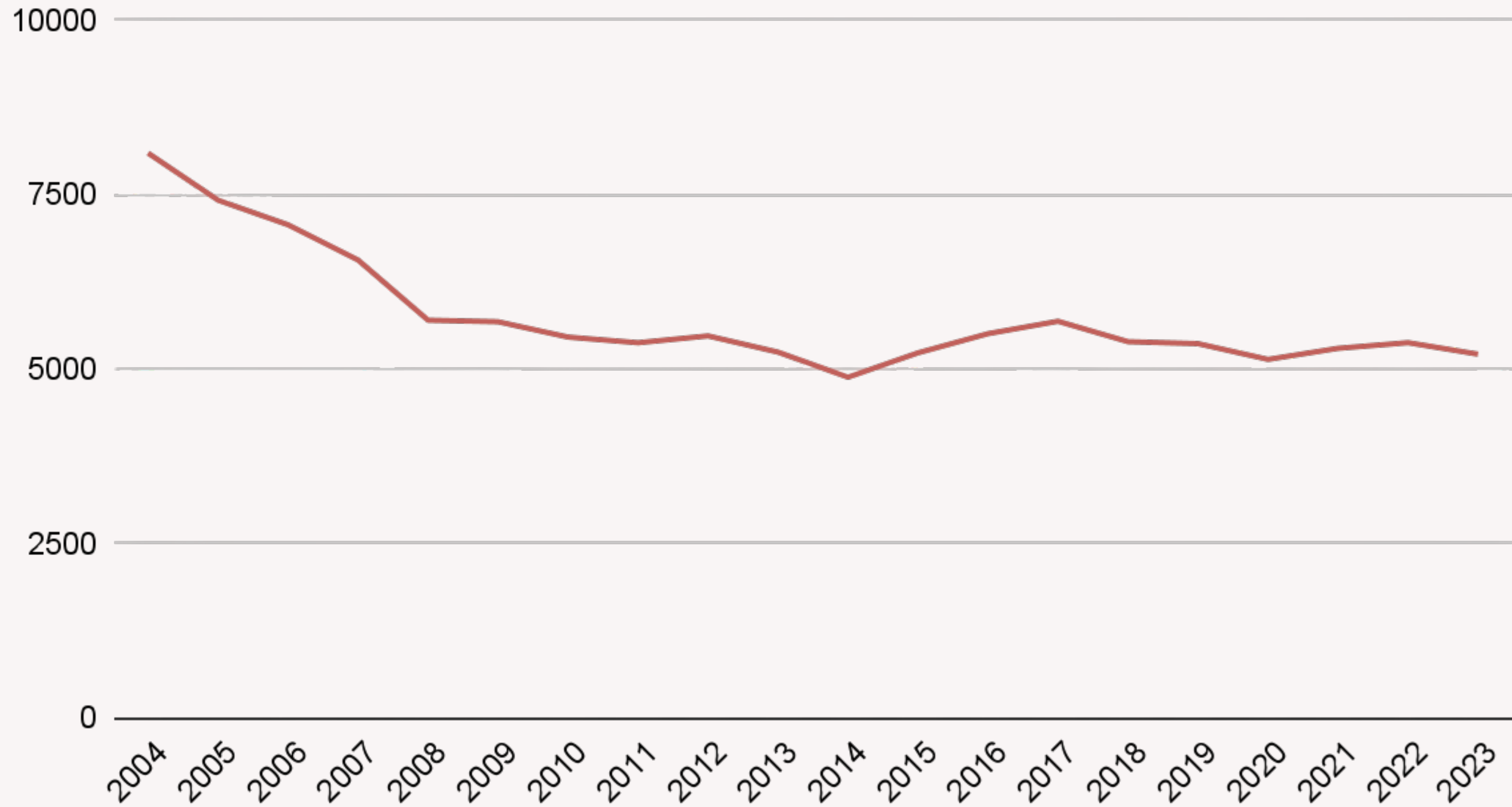


Michigan Statewide Injuries in Crashes

(2004-2023)

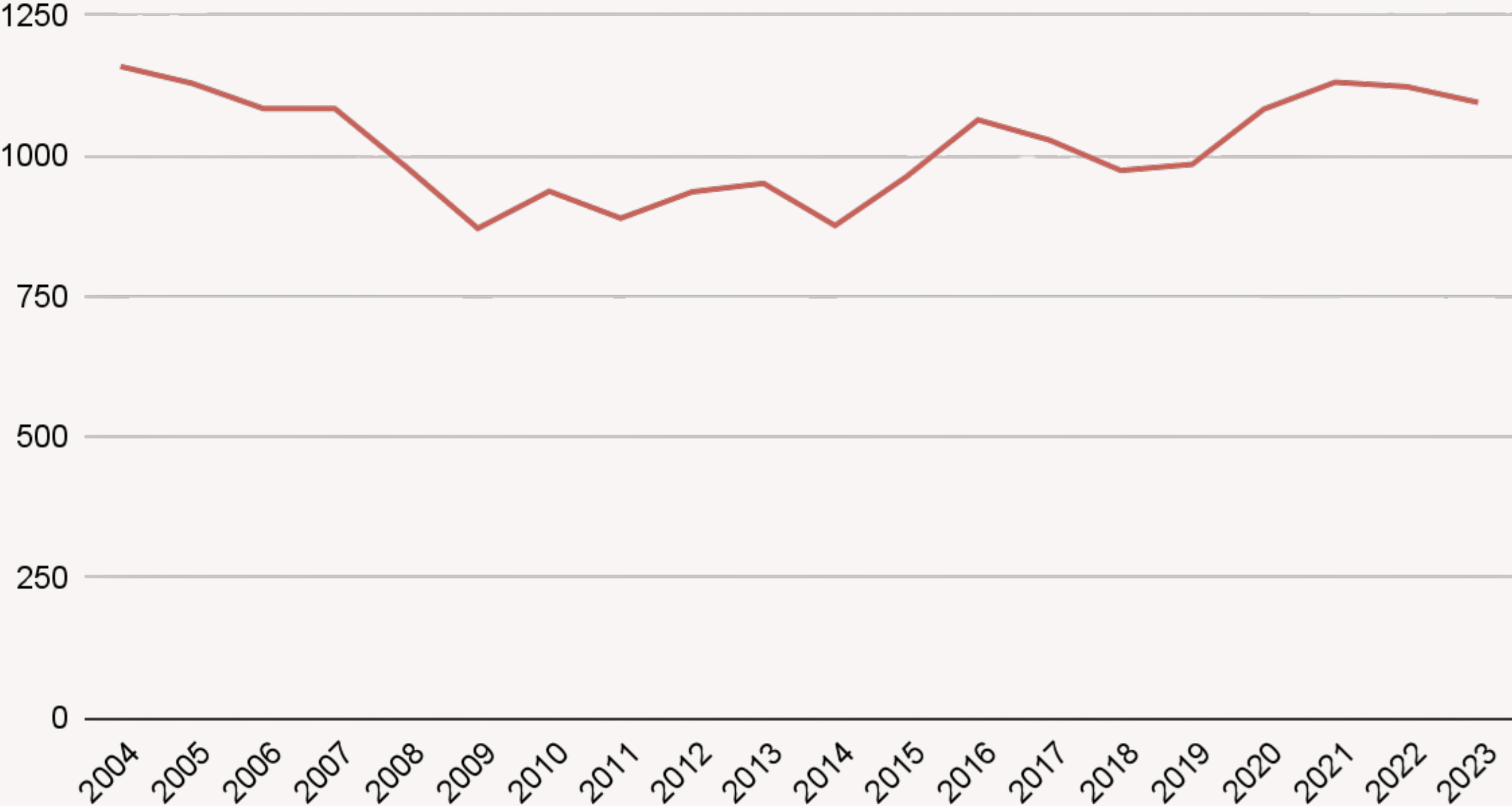


Michigan Statewide Alcohol-Involved Injuries in Crashes (2004-2023)

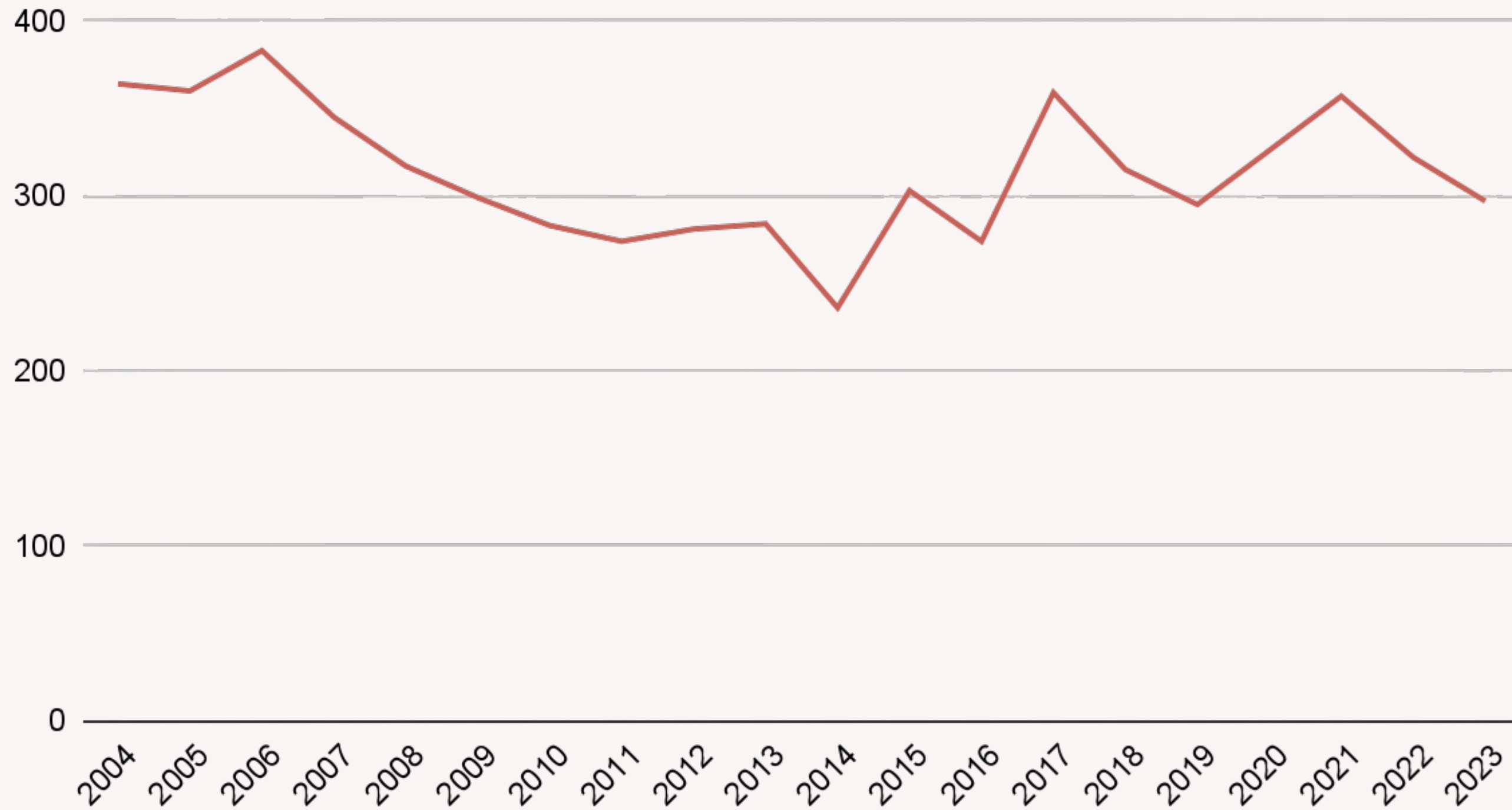


Michigan Statewide Fatalities in Crashes

(2004-2023)

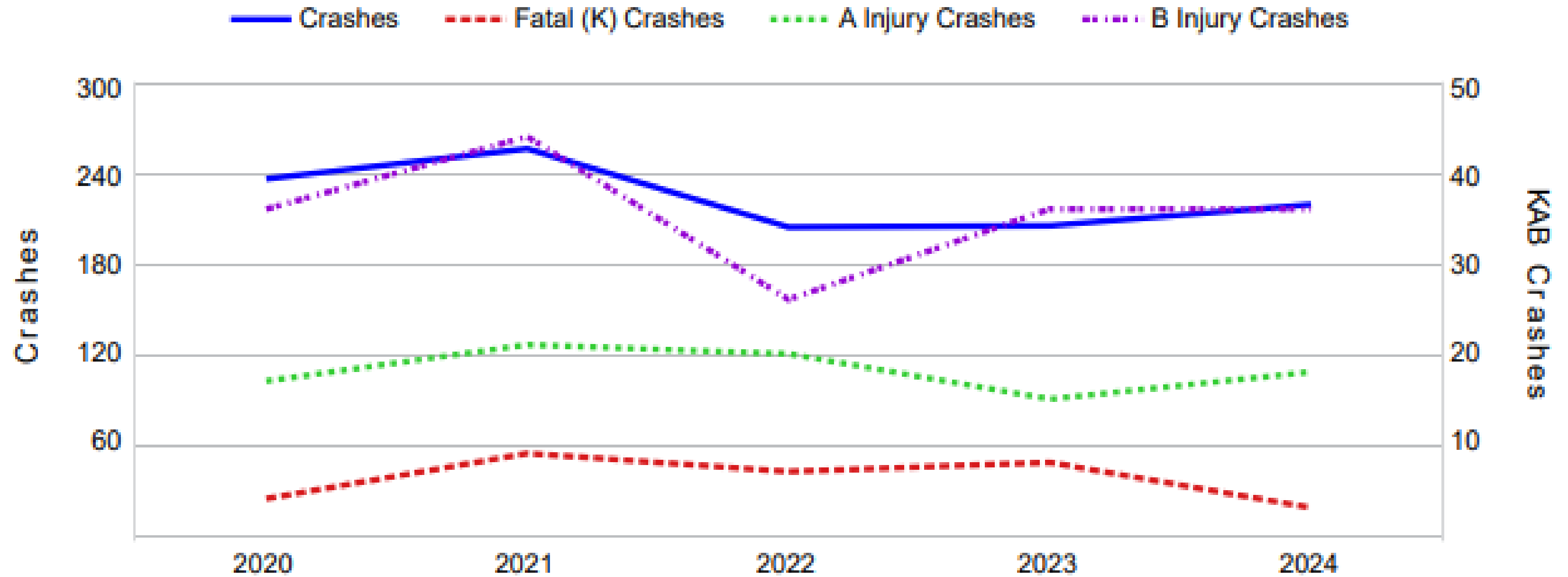


Michigan Statewide Alcohol-Involved Fatalities in Crashes (2004-2023)



Ingham County

5-Year Trend Crashes Involving Alcohol



Summary of NIAAA Study (2017)

Outcome	Number of Studies	Estimated Impact	Standard Deviation
Alcohol consumption-related outcomes	6	-1.4	2.3
Non-fatal alcohol-related crashes	9	-5.0*	2.6
Lowering BAC to .08— fatal alcohol-related crashes	14	-9.2*	4.5
Lowering BAC to .05 or lower— fatal alcohol-related crashes	11	-11.1*	5.5

*indicates significance at $p < .05$

International Studies of the BAC Lowering the BAC Limit to .05

Australia
(Homel, 1994)

Percent drivers with positive BACs in weekend fatal crashes decreased 13% pre-post law implementation but did not affect weekday fatal crashes

Australia
(Henstridge et al., 1997)

18% reduction in fatal crashes and 14% reduction in serious crashes associated with lowering limit to .05

Japan
(Nagata, et al., 2008)

Resulted in 38% decrease in alcohol-related crashes of all severities

Sweden
(Norstrom, 1997)

10% reduction in alcohol-related fatal crashes and significant reductions in single vehicle crashes and all crashes associated with lowering limit to .05

What Happened in Utah?

- Effects of the 2018 Utah .05 BAC law (Thomas et al., 2022)
- 19.8% reduction in the fatal crash rate between 2016 and 2019
- More than 1 in 5 drinkers changed behaviors, such as planning alternative transportation when drinking away from home
- No decrease in alcohol sales, alcohol consumption, or tourism revenue
- No marked increase in DUI arrests

0.05

BAC Limit

Effective
12/30/2018

Talking Points - WA Polling

- Research has found that lowering the BAC limit from 0.08 to 0.05 results in an average 11% decrease in alcohol-related traffic fatalities.
- With a BAC level of 0.05% - 0.079%, a driver (ages 21-34) is nearly 5 times more likely to be involved in a fatal crash compared to a driver with no alcohol in their system.
- Research has found that driving performance declines between 25% and 55% for a person with a BAC of 0.05%.
- In states and countries that have reduced their BAC levels, they find that fewer people drive under the influence of alcohol and the level of alcohol among people who do drive is reduced.

Additional Information

- Over 100 countries have adopted a .05 BAC limit or lower
- .04 BAC is the limit for commercial drivers
- A pilot is prohibited from consuming alcohol within eight hours of a flight. Pilots cannot have a blood alcohol content (BAC) of .04% or higher and fly.

The Urgency for a .05 BAC

- Progress in reducing impaired drivers in fatal crashes has stalled since 1997.
- Impaired driving fatalities increased in 2020 and 2021.
- It will be at least 10 years before technological solutions can be implemented (e.g. DADSS, autonomous cars)
- 100,000 more people will die in the next 10 years if .08 maintained or 18,000 lives will be saved if .05 BAC is adopted across US

Bottom Line

- Enacting .05 BAC laws in all states would result in an estimated 11% decline in fatal alcohol-related crashes and save at least 1,700 lives annually in the US. (.05 Safety Briefing Facts March 2023)
- Michigan could save about **33 lives per year.**

- Bay County Prevention Network
- Coalition for Urban Youth and Family Development (CUYFD)
- Genesee County Prevention Council
- Grand Traverse Addiction and Recovery Coalition
- Holly Area Community Coalition
- Hamtramck Drug Free Community Coalition
- Michigan Council on Alcohol Problems (MICAP)
- Michigan Prevention Association
- MINDR
- Mothers Against Drunk Driving (MADD)
- Safe in Northern Michigan
- Skilled Motorcyclists Association, Responsible, Trained, and Educated Riders (SMARTER)

**.05
Saves
Lives
Coalition**

Our goal?

**To reduce traffic crashes, injuries,
and deaths on our roadways**

By lowering Michigan's blood alcohol content (BAC) to .05, which will reduce alcohol-related crashes, deaths, and trauma, and will result in safer streets, saving hundreds of lives and millions of taxpayer dollars each year.

How can you help?

- Contact and educate your state lawmakers.
Tell them that you support changing the BAC limit from .08 to .05.
- Join our coalition by signing the Resolution
- Ask us to speak at meetings within your network
- Donate to the campaign

Resources



[**.05 Saves Lives Resolution**](#)

[**.05 Saves Lives Issue Brief**](#)

[**2023 NTSB .05 Safety Briefing Fact Sheet**](#)

[**Michigan Traffic Crash Facts - Ingham**](#)

[**Utah Evaluation**](#)

.05 SAVES LIVES

THANK YOU!

QUESTIONS?

Michael MacLaren

michaelmaclaren@gmail.com