



**Indiana**  
**Department**  
**of**  
**Health**

**INJURY PREVENTION  
ADVISORY COUNCIL (IPAC)  
& INDIANA VIOLENT  
DEATH REPORTING  
SYSTEM (INVDRS)  
MEETING**

02/04/2022

## OUR MISSION:

To develop, implement and provide oversight of a statewide comprehensive trauma care system that:

- Prevents injuries
- Saves lives
- Improves the care and outcomes of trauma patients

## OUR VISION:

Prevent injuries in Indiana



# Round Robin and Introductions (in chat)

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1. Name
2. Position
3. Organization/Association
4. Updates
5. Current projects and programs
6. Upcoming events

# Division Vacancies

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- Drug Overdose Prevention Epidemiologist
- INVDRS Records Consultant (Abstractor) – 2
- Naloxone Program Manager

# Division Staff Updates

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## Full-Time Staff

Injury Prevention Epidemiologist

- Emma Heltzel

Records Coordinator

- Kristin Combs

## Interns

Trauma

- Heidi Bultema
- Nicolette Schlup

Drug Overdose Prevention

- Savannah Stark

INVDRS

- Navtej Bal

# Resource Guide App

Regularly updated

- Free download for iOS and Android
- Phone and tablet capabilities
- Available in Apple and Google Play stores



# Upcoming Events

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## February

- African American History Month
- Low Vision Awareness Month
- Teen Dating Violence Awareness Month
- **Feb 6-12:** Burn Awareness Week

## March

- Women's History Month
- National Cheerleader Safety Month
- National Traumatic Brain Injury Awareness Month
- Self Harm Awareness Month
- National Ladder Safety Month
- **Mar 20-26:** National Poison Prevention Week

# Upcoming Events

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## April

- Child Abuse Prevention Month
- Sexual Assault Awareness Month
- Distracted Driving Awareness Month
- National Youth Sports Safety Month
- **Apr 4-10:** National Window Safety Week
- **Apr 25-29:** National Playground Safety Week
- **Apr 25-29:** National Youth Violence Prevention Week
- **Apr 30:** National Drug Take Back Day





**Indiana**  
**Department**  
**of**  
**Health**

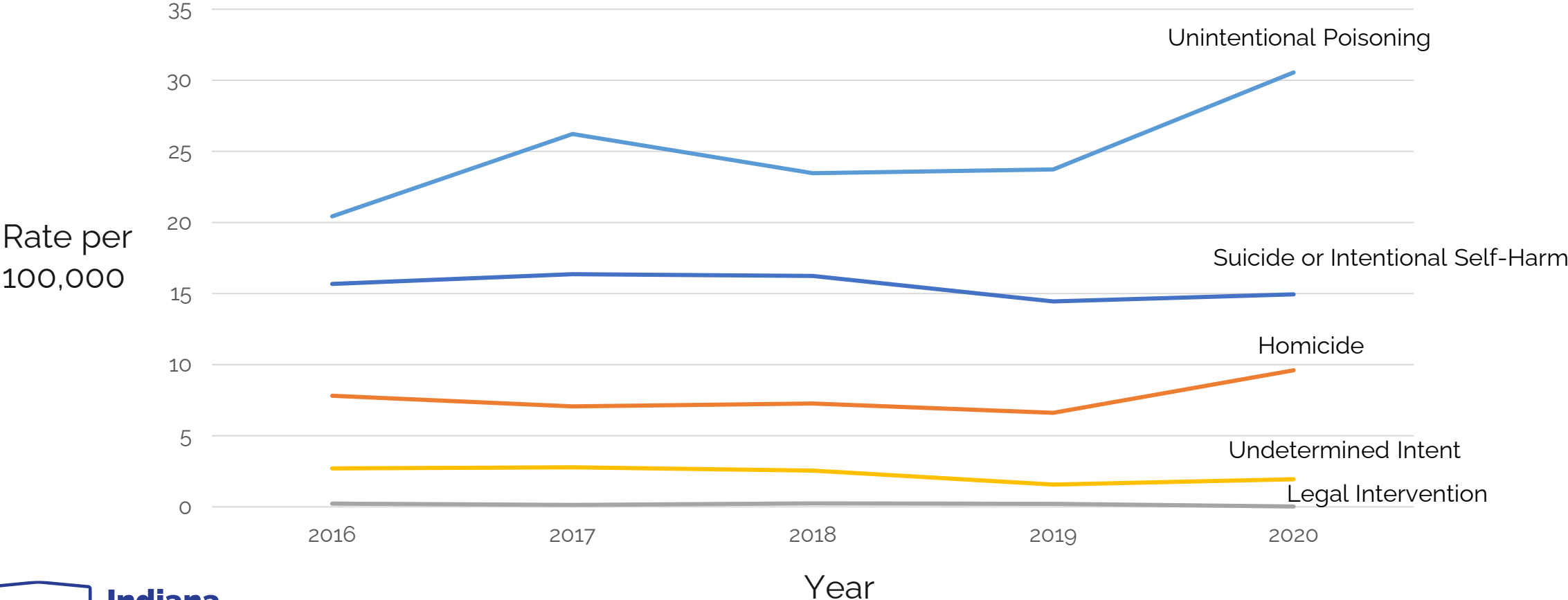
# INTENTIONAL INJURY DATA PRESENTATION:

## LOOKING AT THE NEEDS OF INDIANA FROM DATA

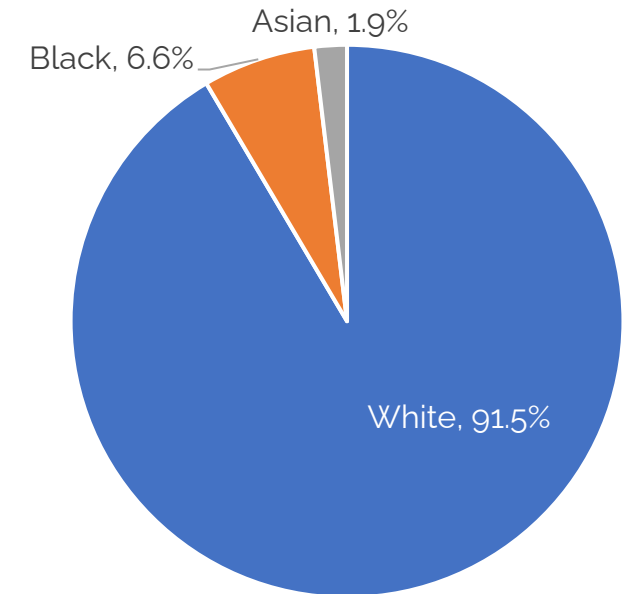
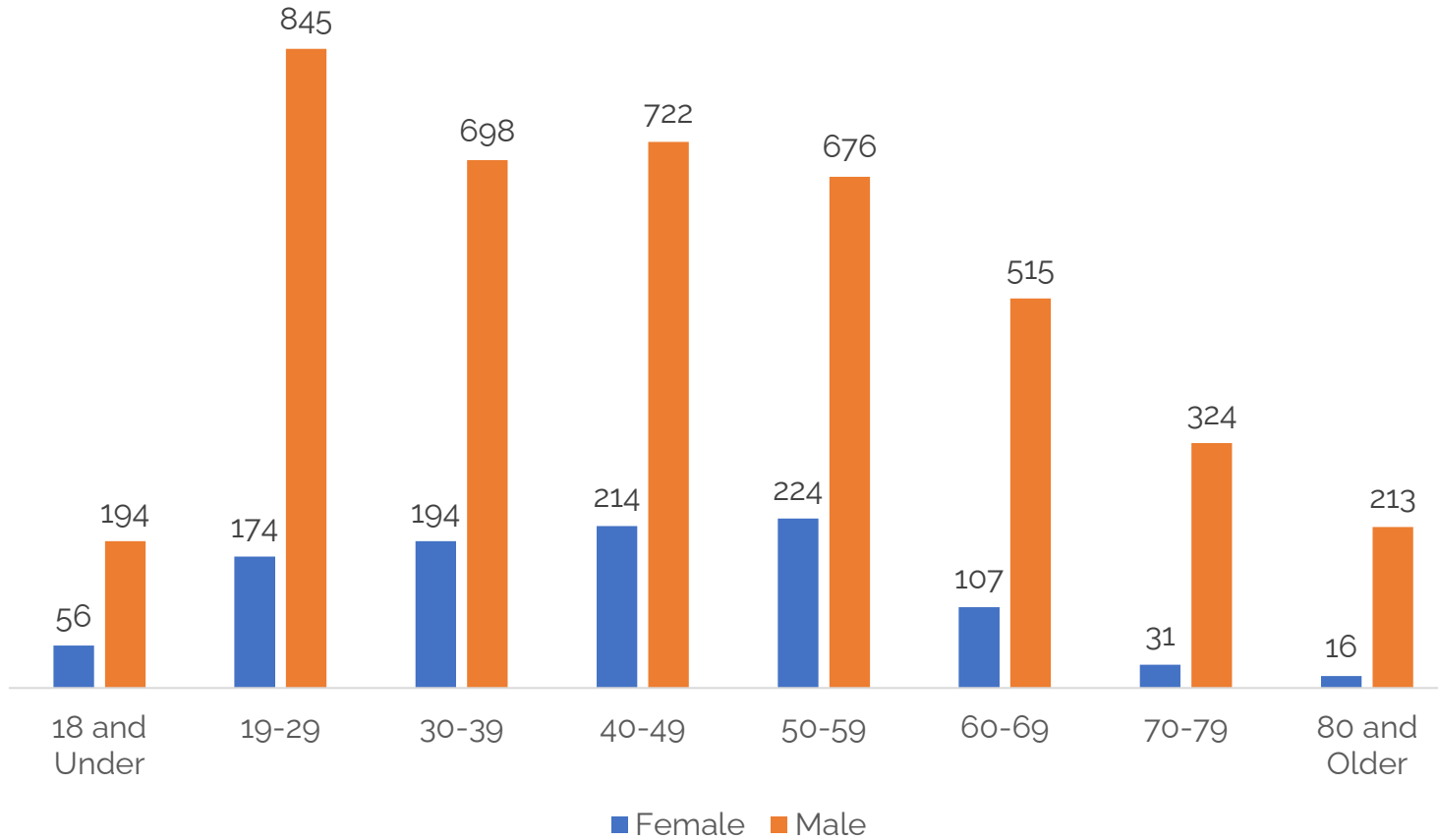
Morgan Sprecher, MPH

Indiana Violent Death Reporting System (INVDRS) Epidemiologist

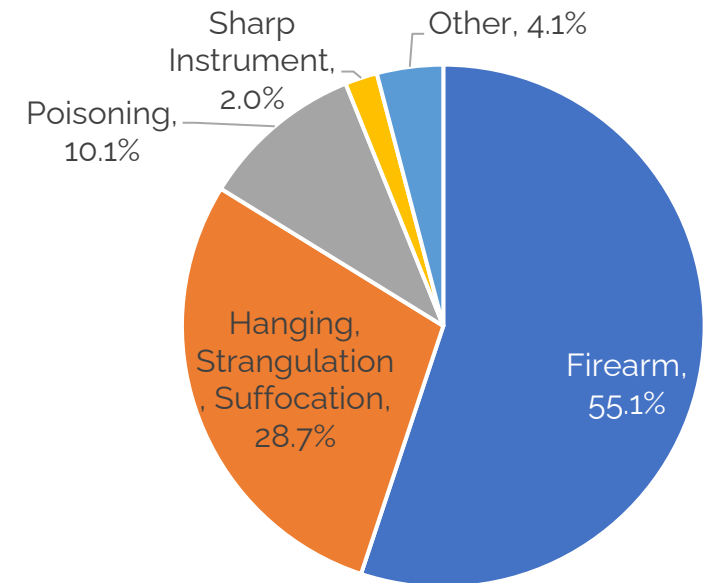
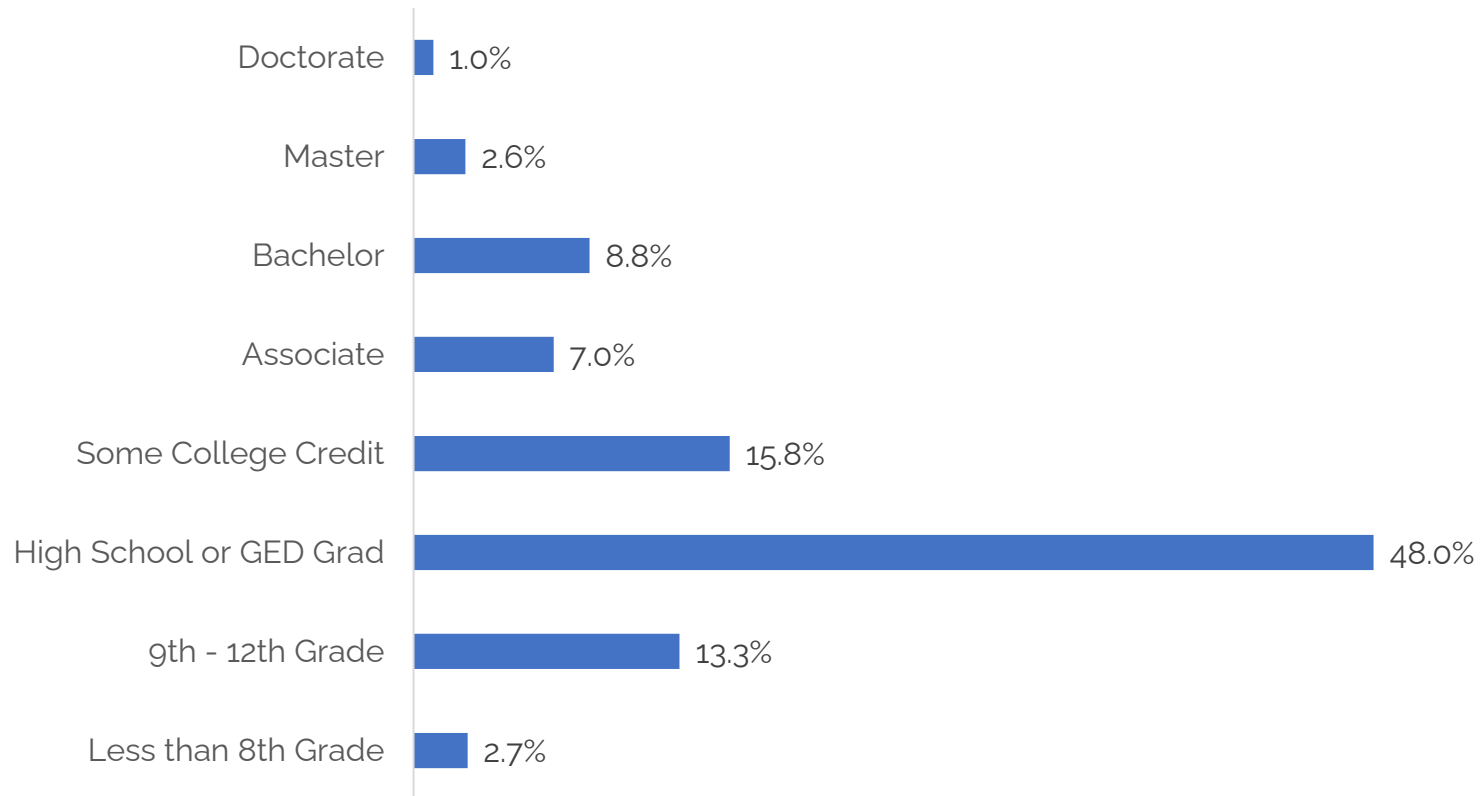
# INVDRS Death Rates over Time



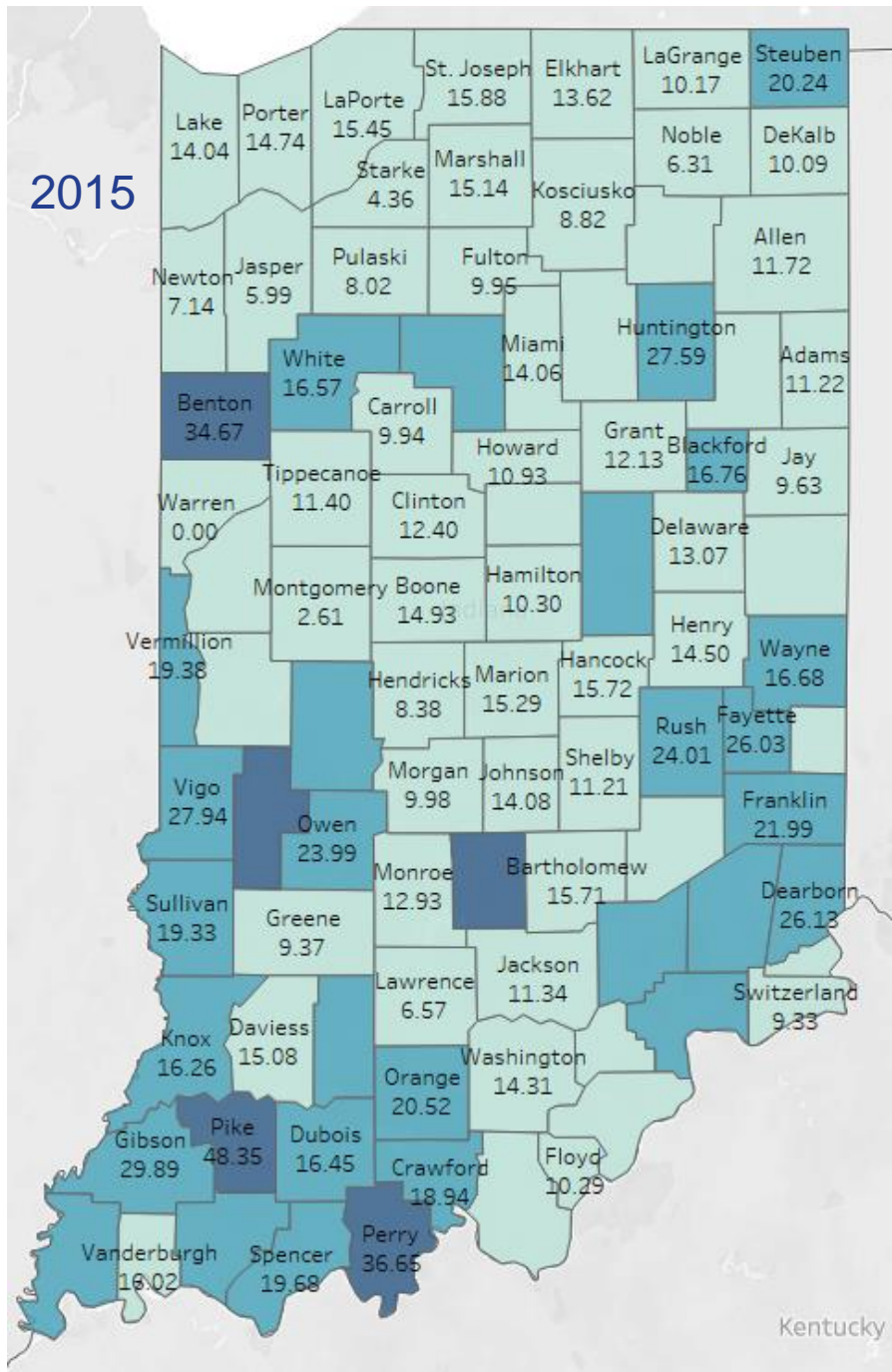
# Suicide Demographics (2016-2020)



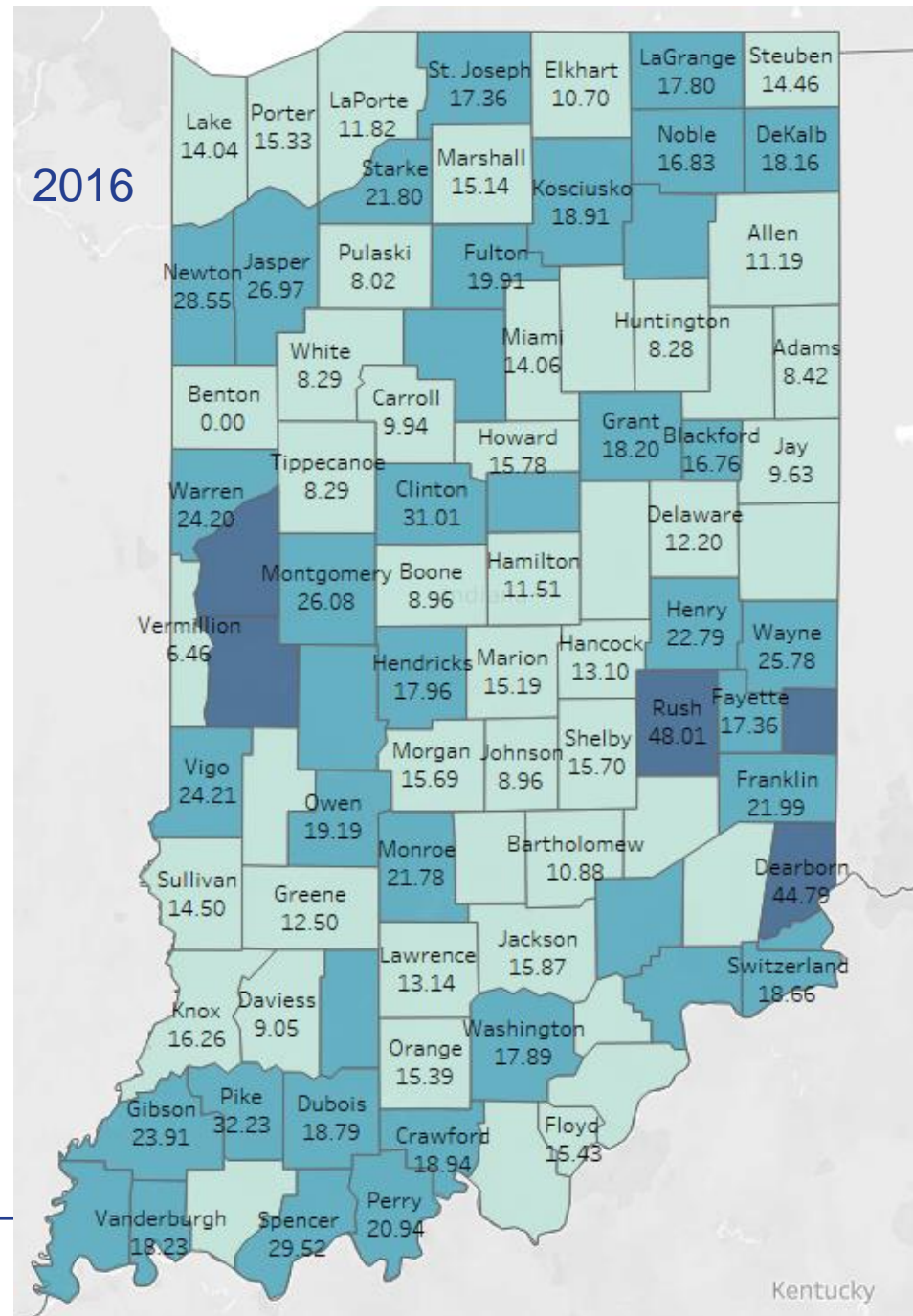
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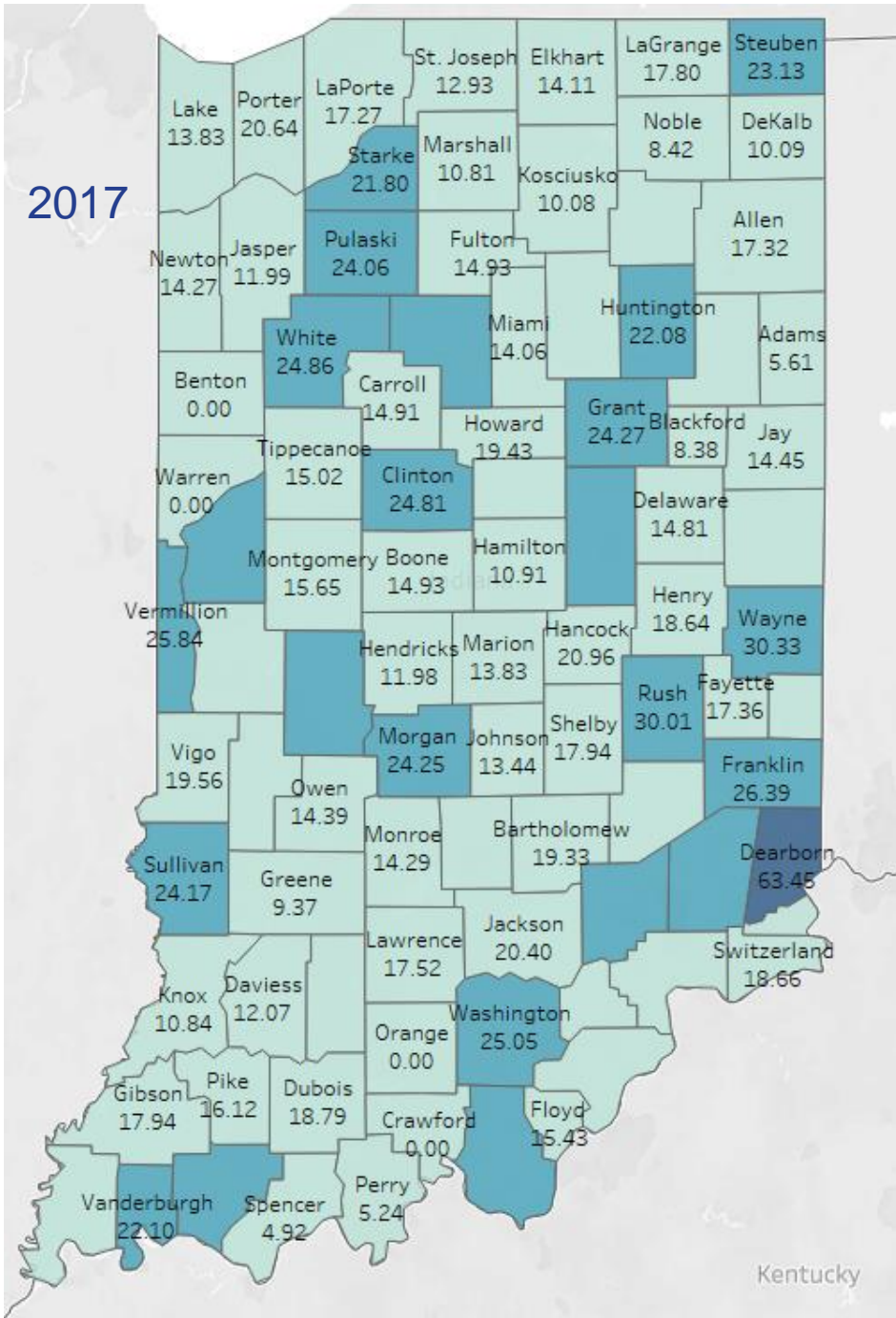
2015



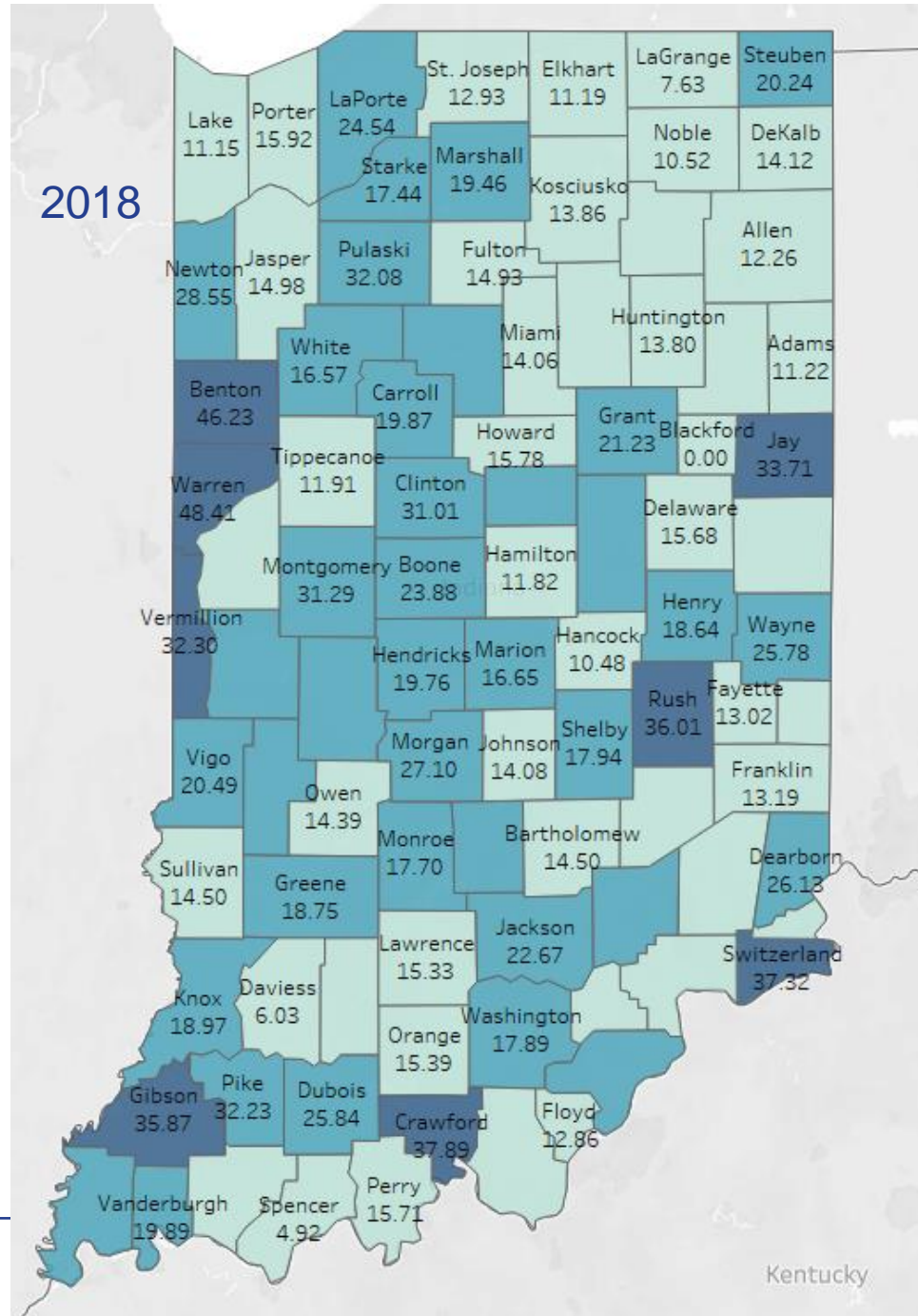
2016



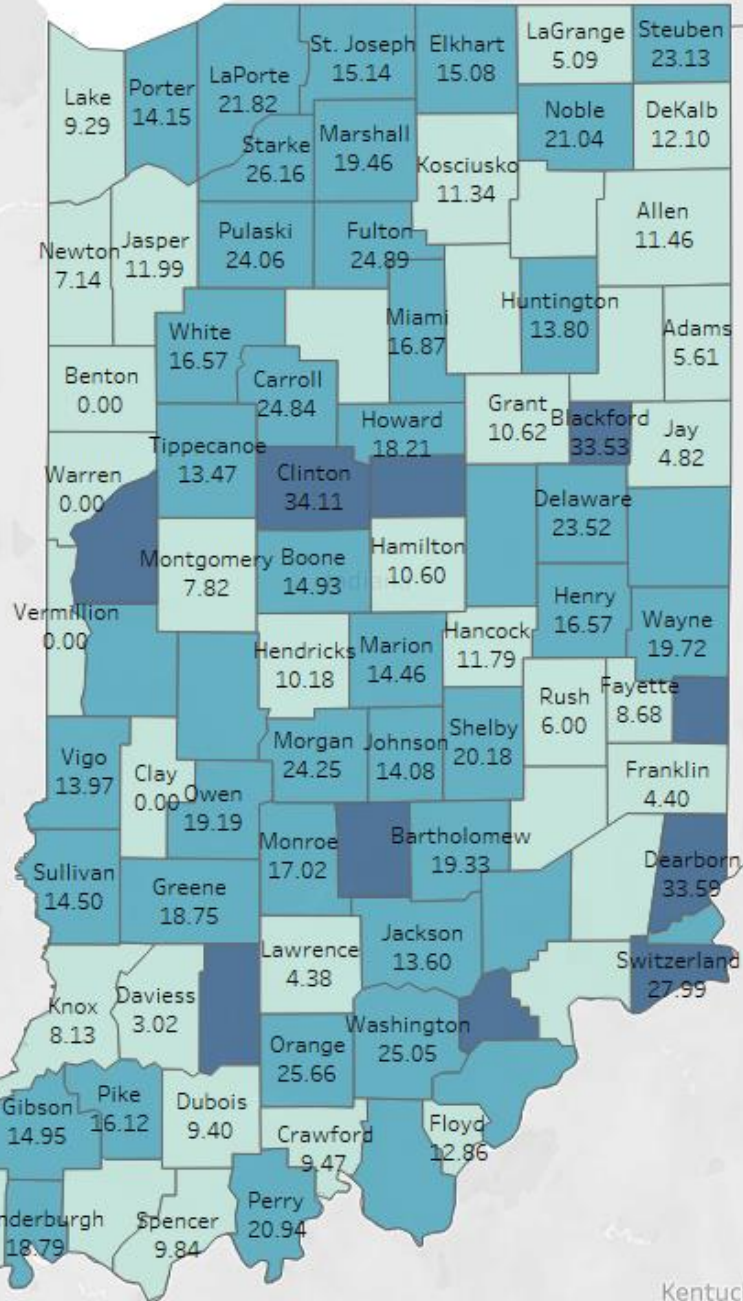
2017



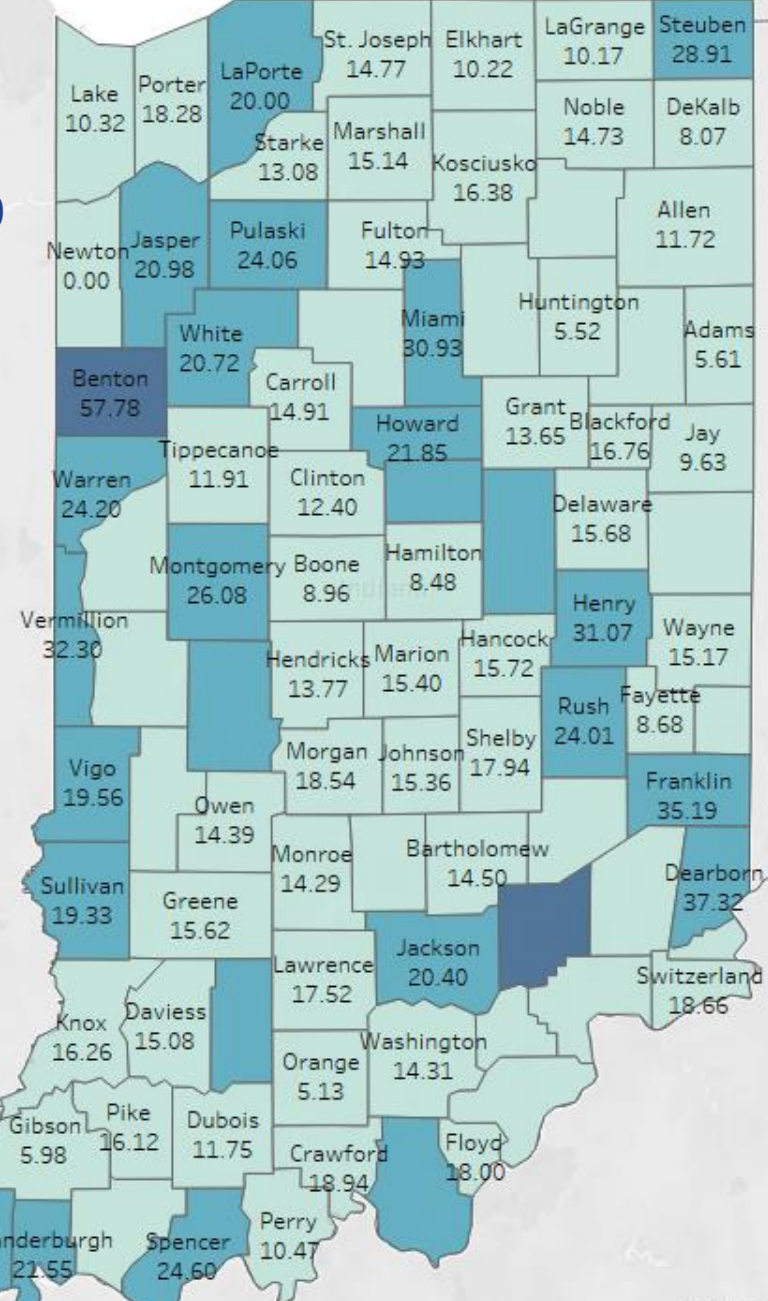
2018



2019



2020

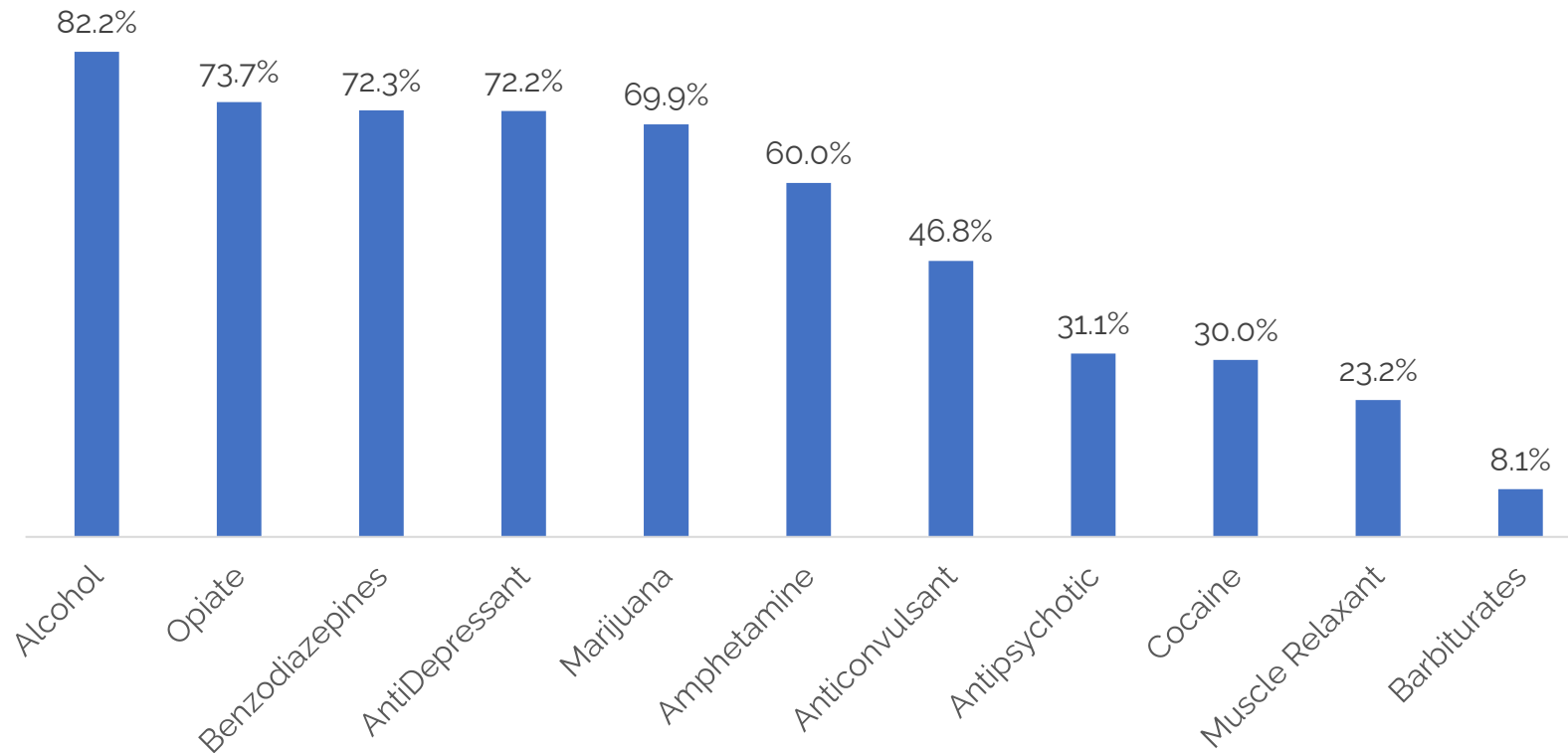


Kentucky

Kentucky

# Suicide Toxicology (2016-2020)

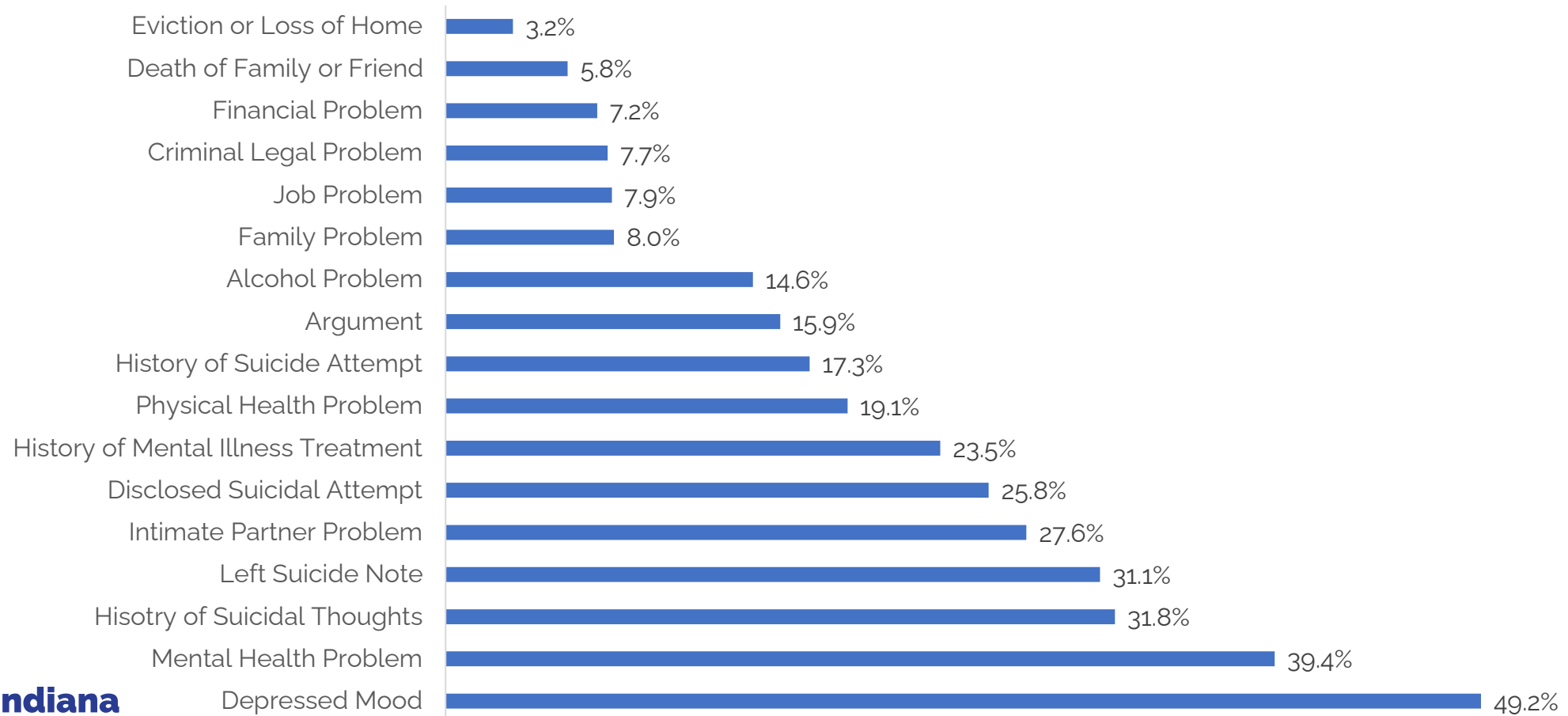
Where substances were known



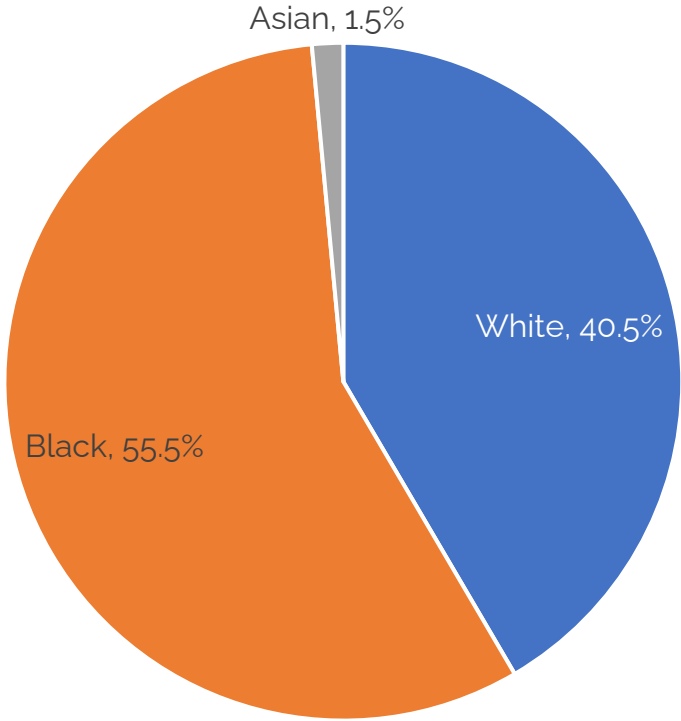
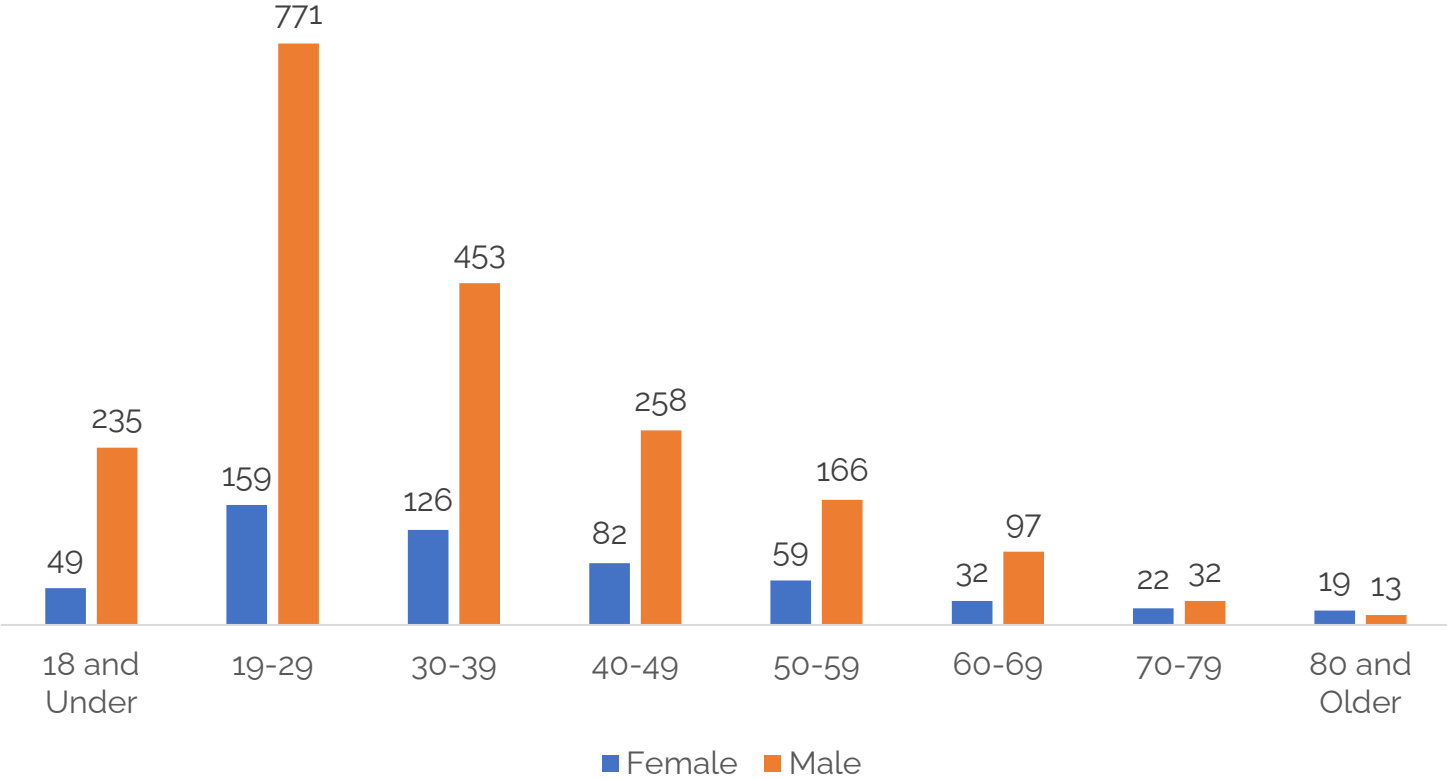


# Suicide Circumstances (2016-2020)

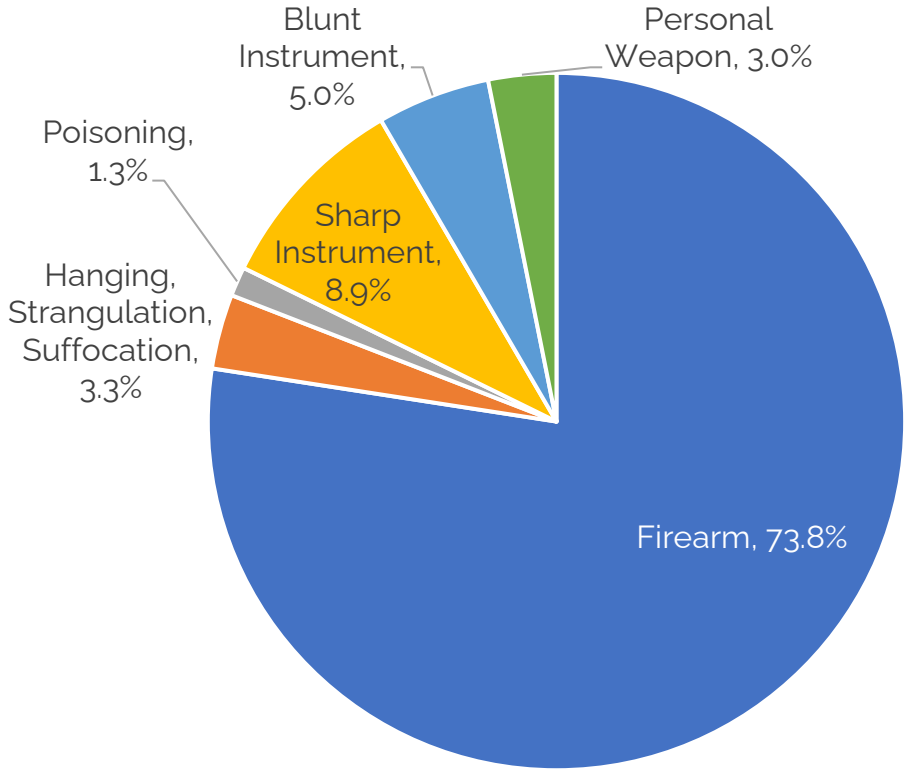
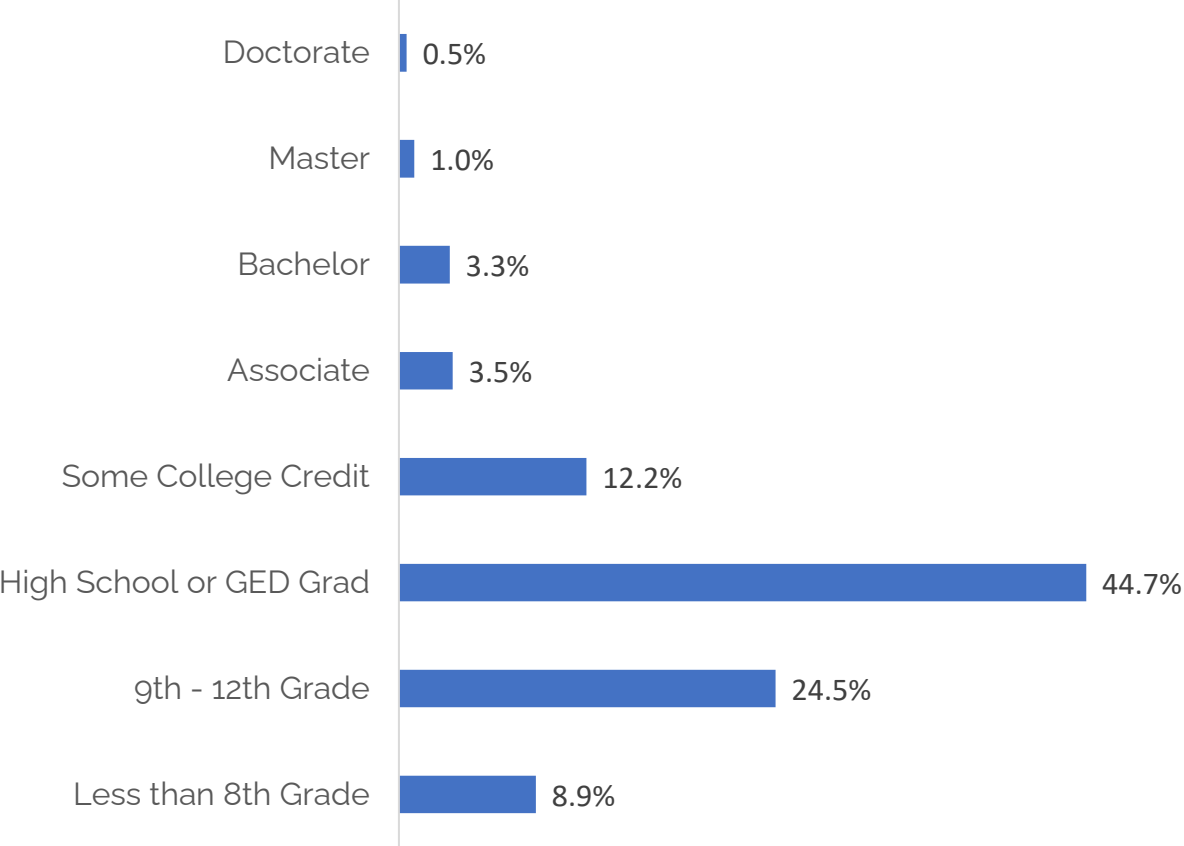
## Where circumstances were known



# Homicide Demographics (2016-2020)

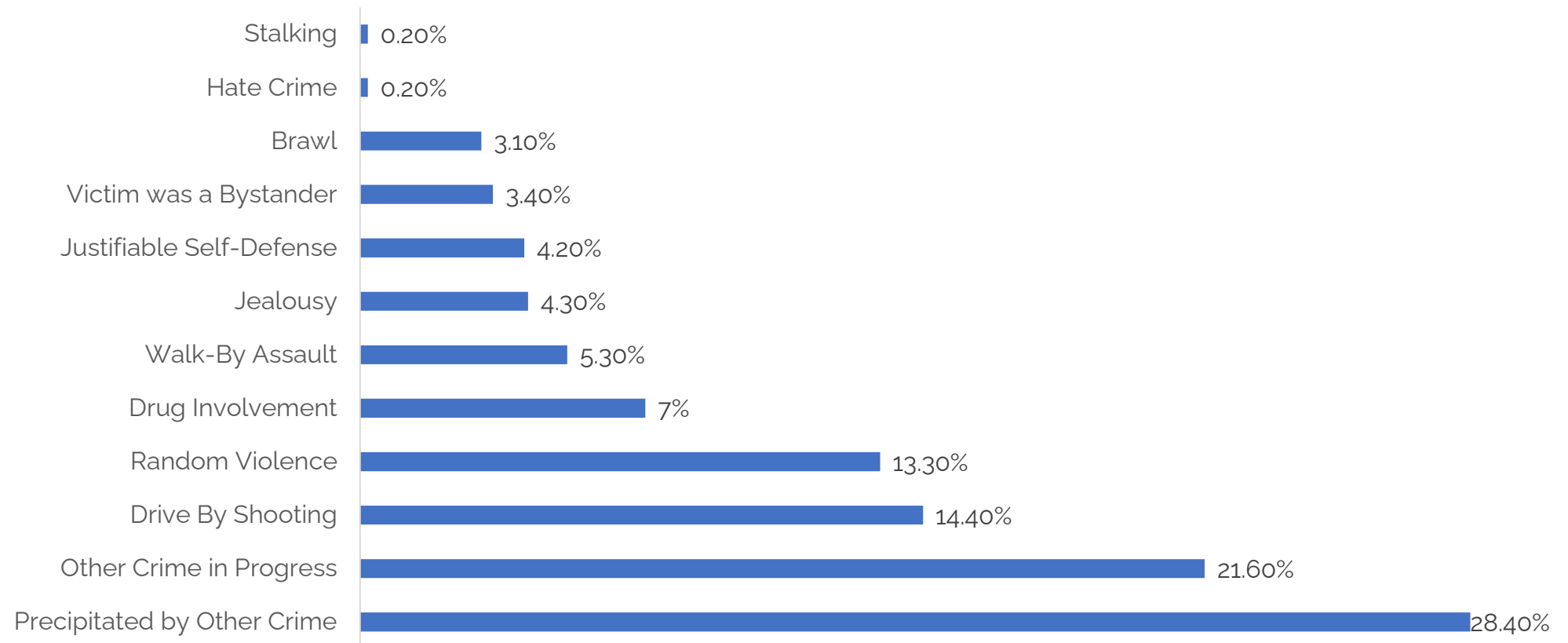


# Homicide Demographics (2016-2020)

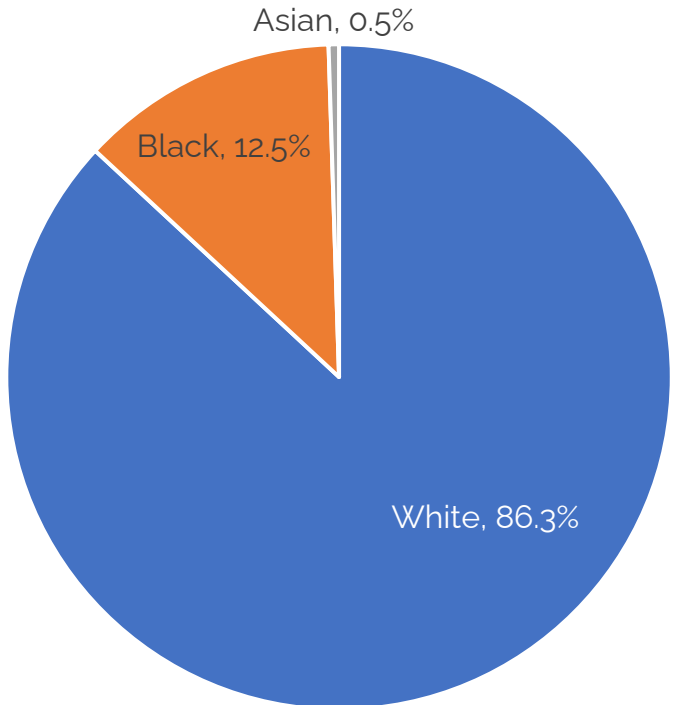
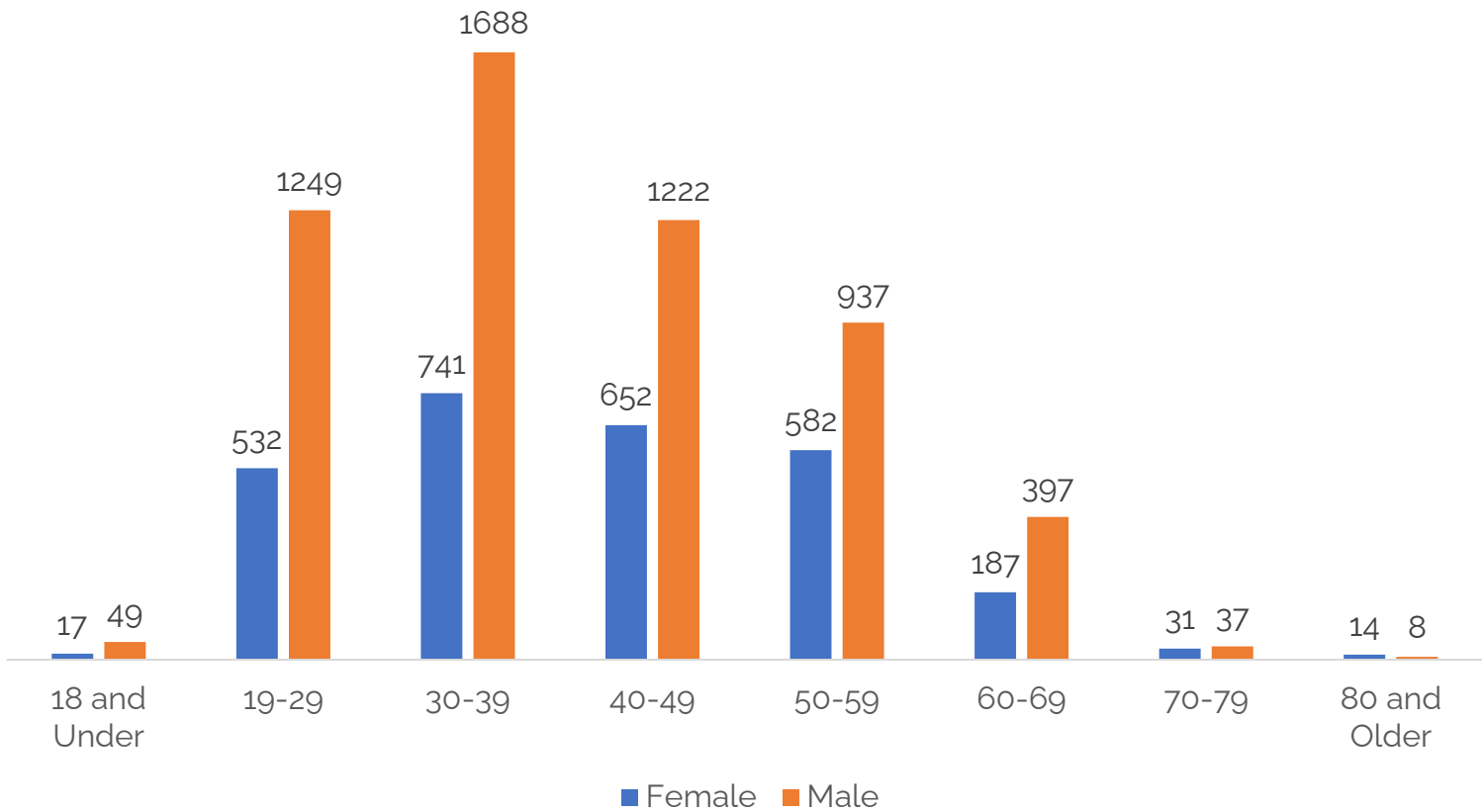


# Homicide Demographics (2016-2020)

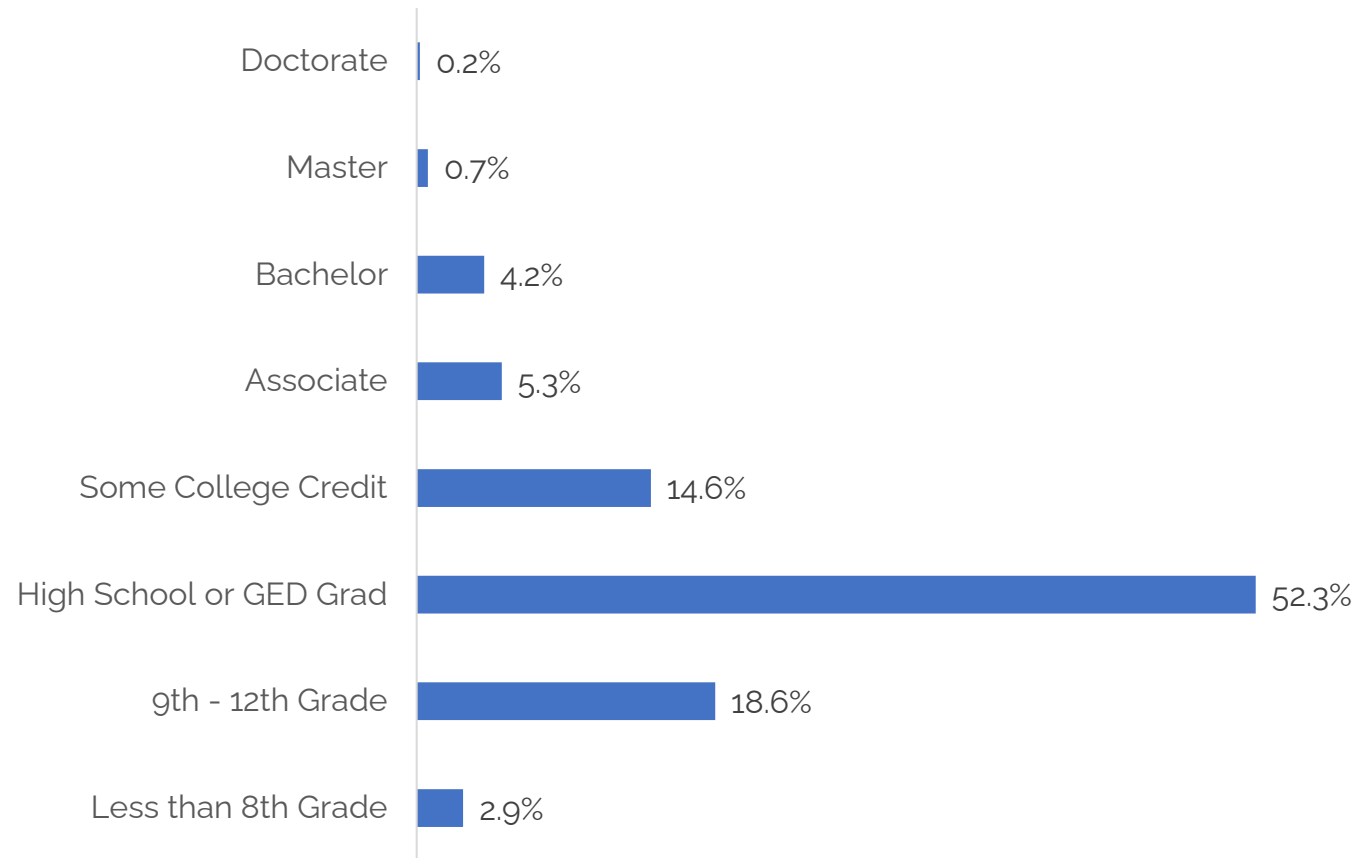
## Where circumstances were known



# Accidental Overdose Demographics (2016-2020)



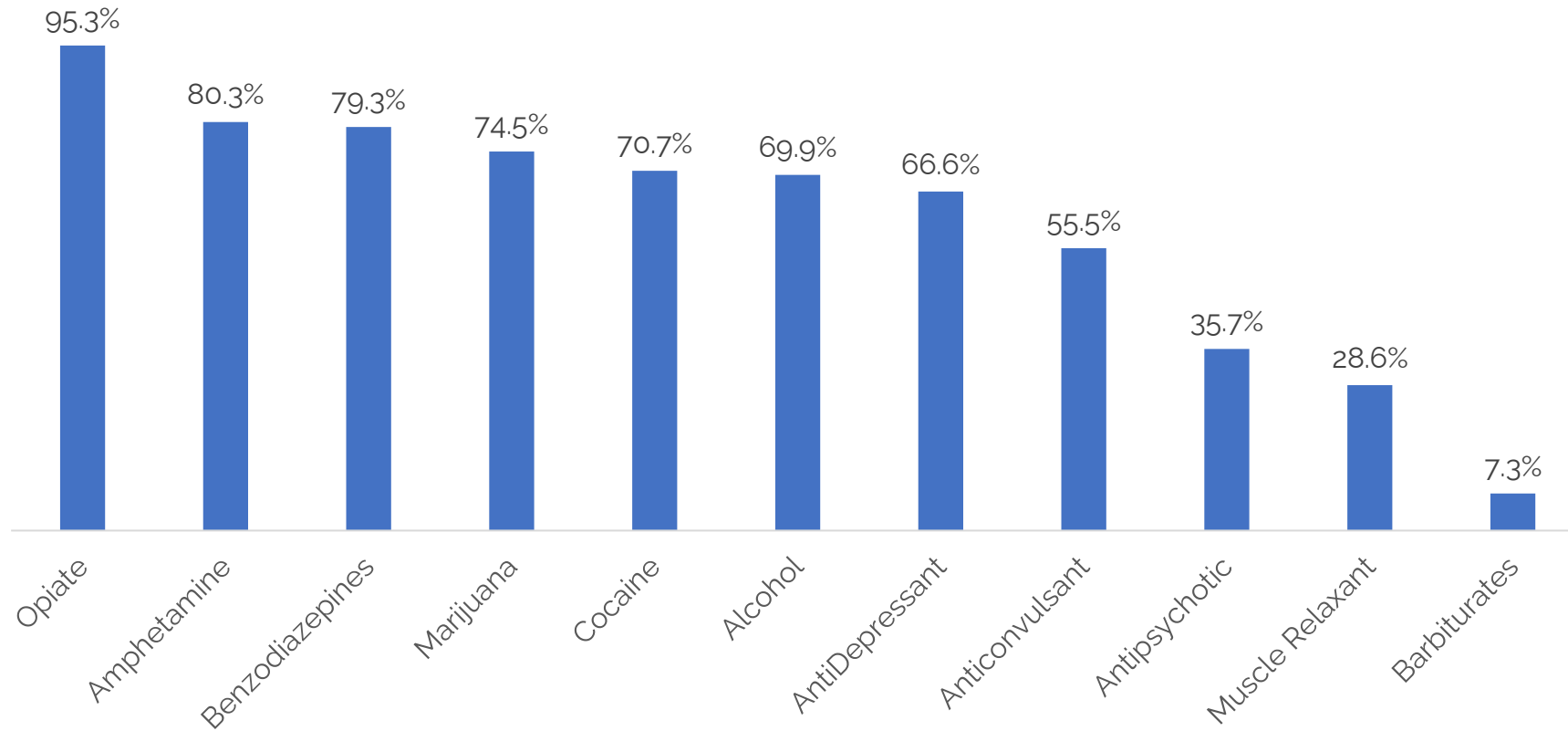
# Accidental Overdose Demographics (2016-2020)



Top Substances	Count
FENTANYL	764
METHAMPHETAMINE	519
MORPHINE	253

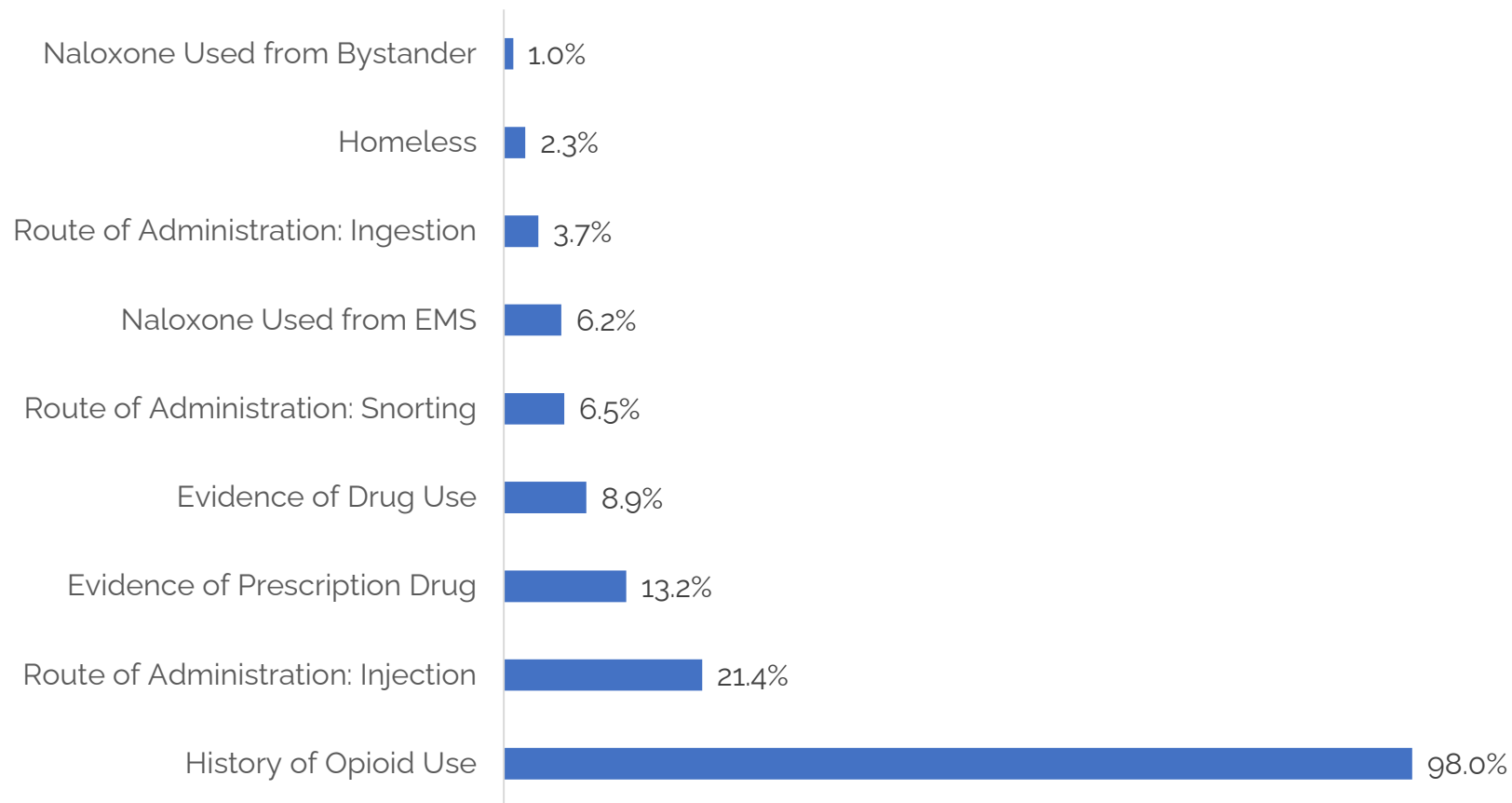
# Accidental Overdose Toxicology (2016-2020)

Where substances were known



# Accidental Overdose Circumstances (2016-2020)

## Where circumstances were known







**Indiana**  
**Department**  
**of**  
**Health**

# UNINTENTIONAL INJURY DATA PRESENTATION:

## LOOKING AT THE NEEDS OF INDIANA FROM DATA

Emma Heltzel

Injury Prevention Epidemiologist

# Injury Data in Indiana

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- Use of a variety of data sets
  - Hospital discharge
  - Mortality
- Work in collaboration with other data sets
  - NVDRS (Morgan Sprecher, INVDRS Epidemiologist)
  - Trauma Registry (Trinh Dinh, Trauma System Epidemiologist)
- Focus on specific injuries
  - Motor vehicle accidents – child injuries
  - Older adult falls
  - Traumatic brain injury

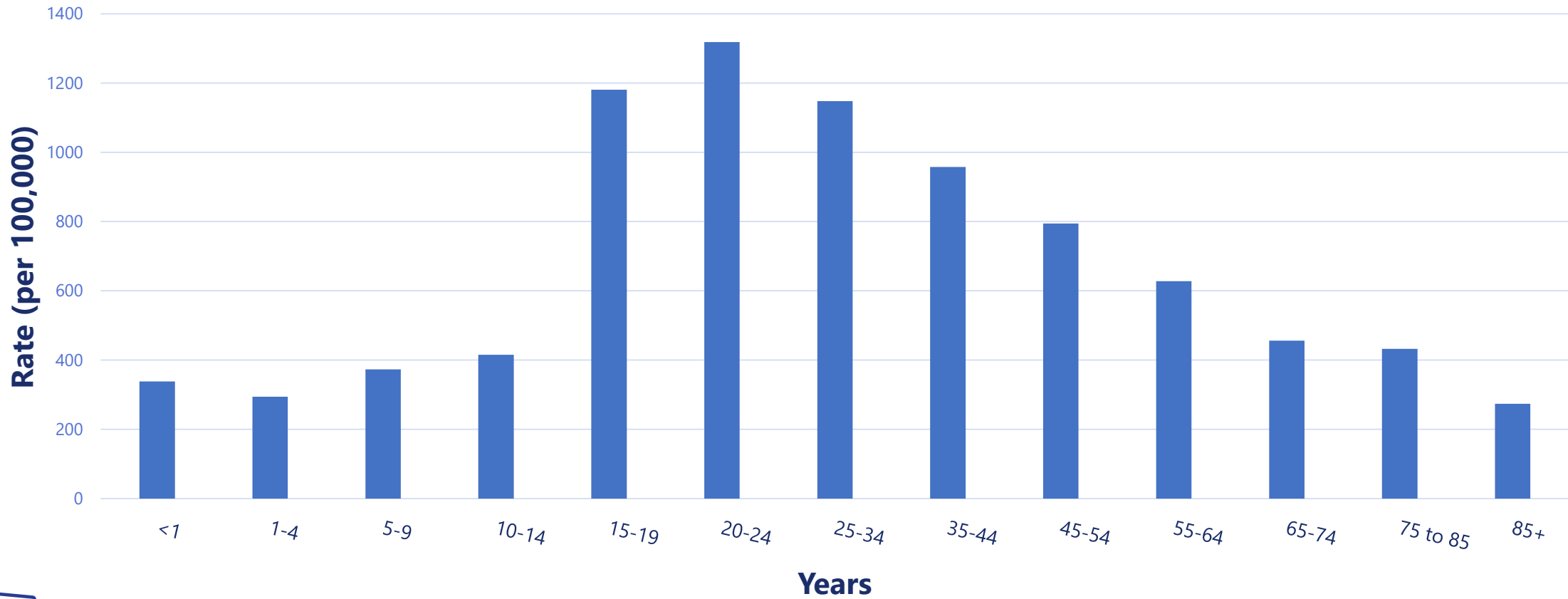
# Motor Vehicle Accident—Overview

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- Most deaths of children ages 5-19 years are due to traffic injuries as occupants, pedestrians, bicyclists and motorcyclists
  - Children become more vulnerable to motor vehicle collision injuries as they age.
- The American Academy of Pediatrics recommends using a booster seat from age 5 up to the time when the seat belt fits properly, which is when the child is at least 57 inches tall
  - Kids 12 years and younger should ride in the back seat using a seat belt, no matter how short the drive.

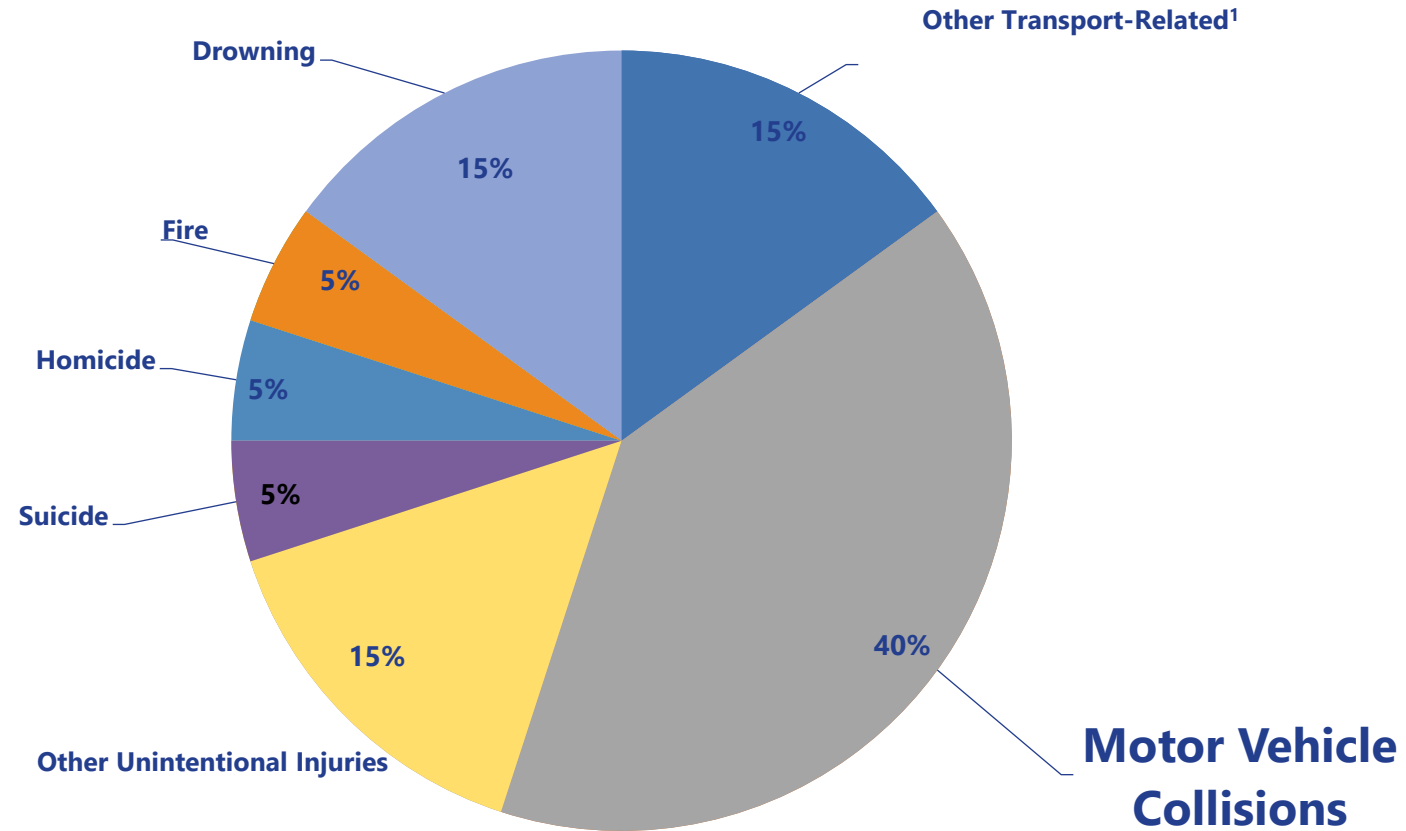
# MVA – Demographics (Age)

Emergency Department Visits from Nonfatal Unintentional Motor Vehicle Accidents by Age Group



# Child Injury Deaths

Percent of Injury Deaths among Children  
Ages 6-11 Years, Indiana, 2019



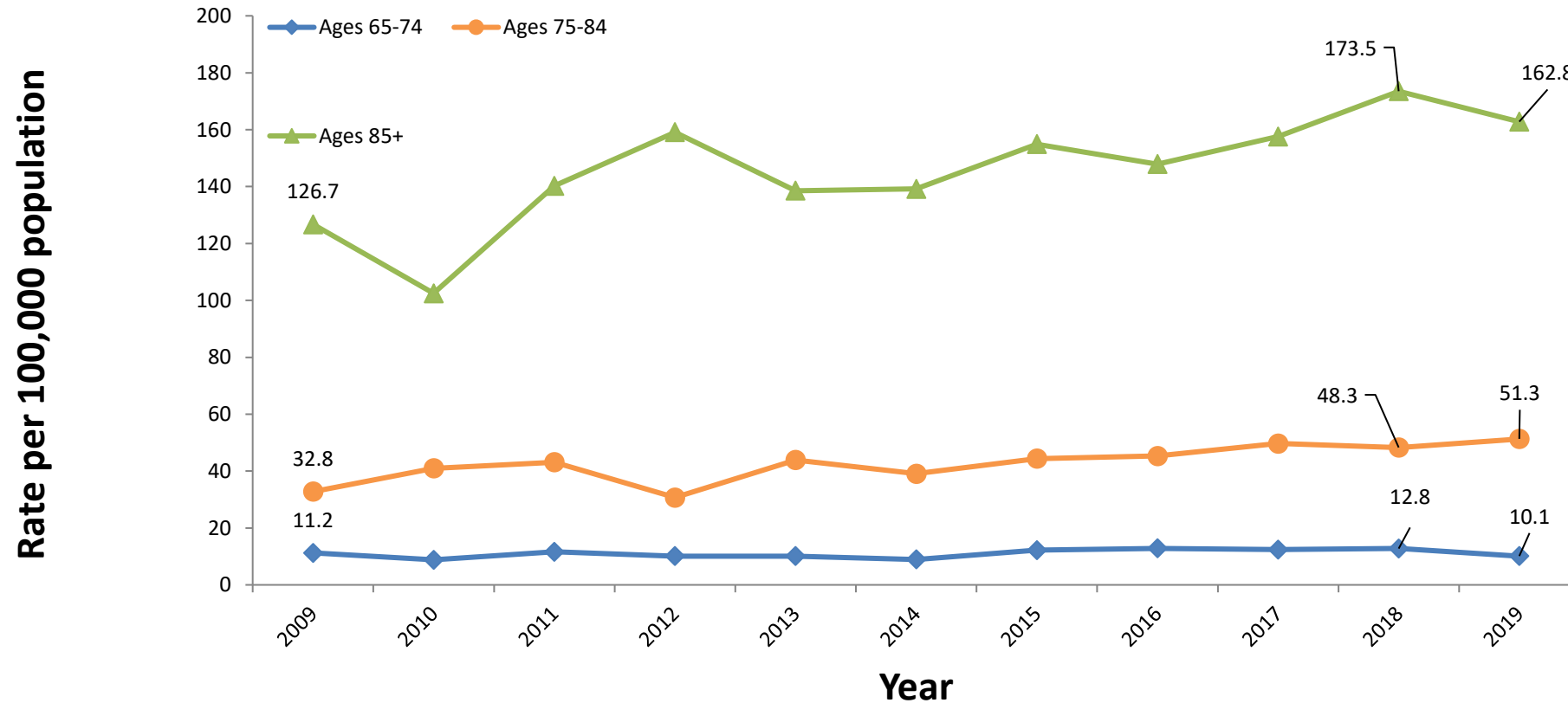
# Older Adult Falls—Overview

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- Unintentional falls are the leading cause of death for older adults in Indiana (2019).
- Falls are the leading cause of traumatic brain injury (TBI) in Indiana residents (2019).
- 32.5% of fall deaths among older adults occurred due to slipping, tripping or stumbling (2019)
  - 9.1% occurred due to falling off stairs or steps.

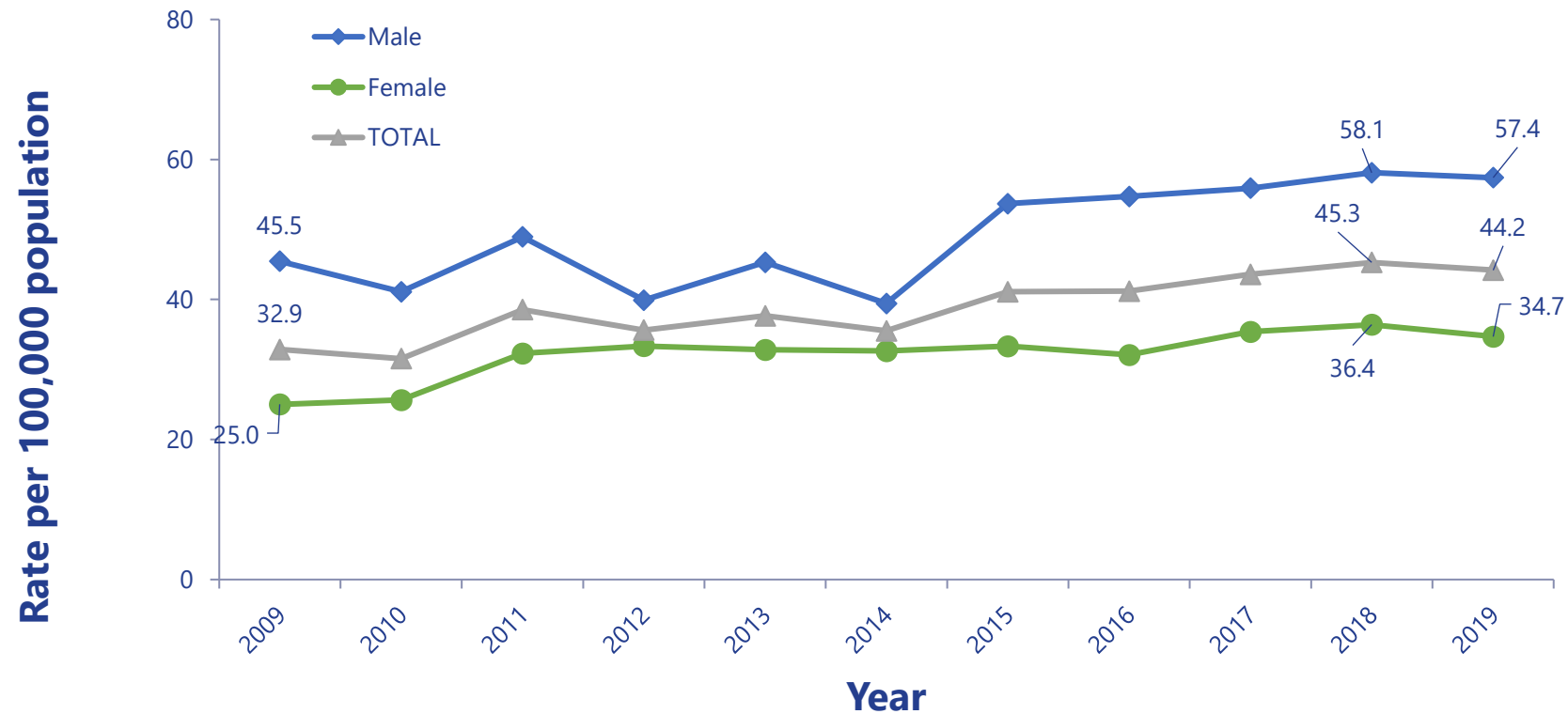
# Falls—Demographics (Age)

Age-specific Rate of Fall Deaths by Age Group, Ages 65 and Older—Indiana, 2009-2019



# Falls—Demographics (Gender)

Age-adjusted Rate of Fall Deaths by Sex, Ages 65 and Older—Indiana, 2009-2019

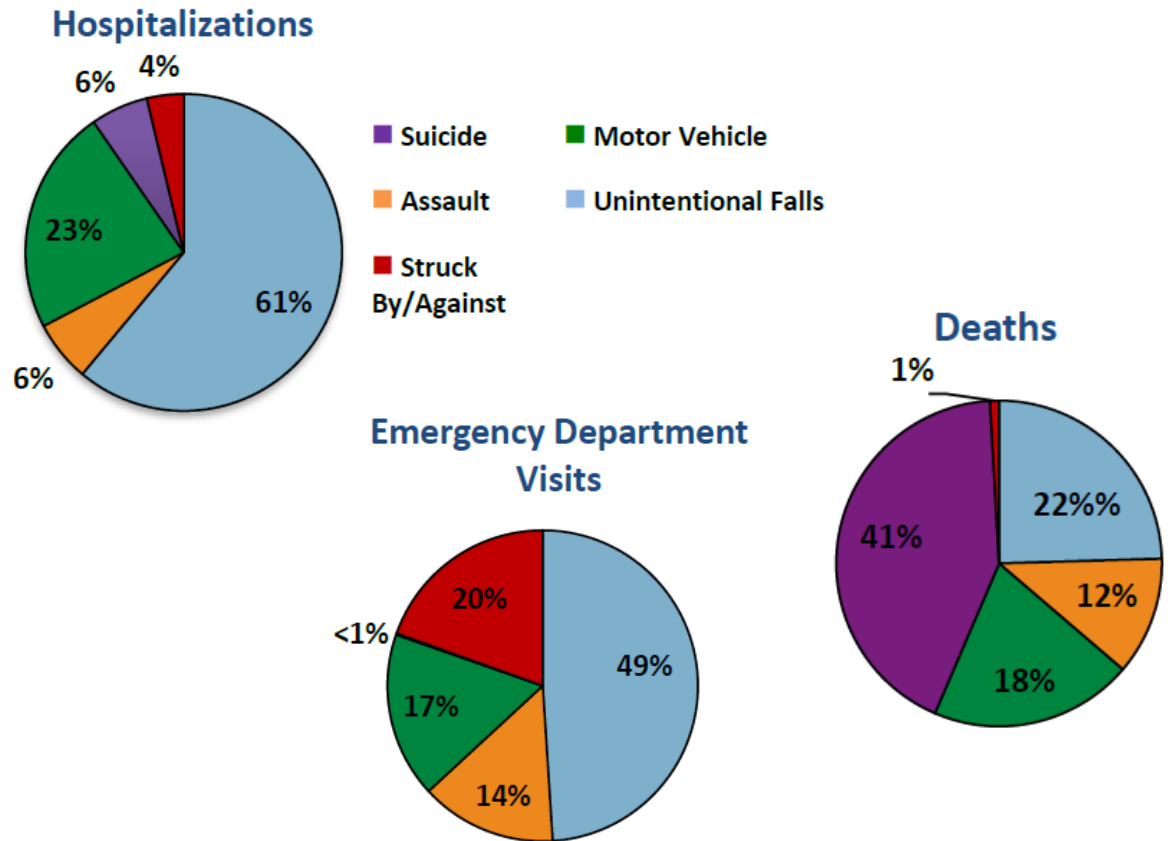




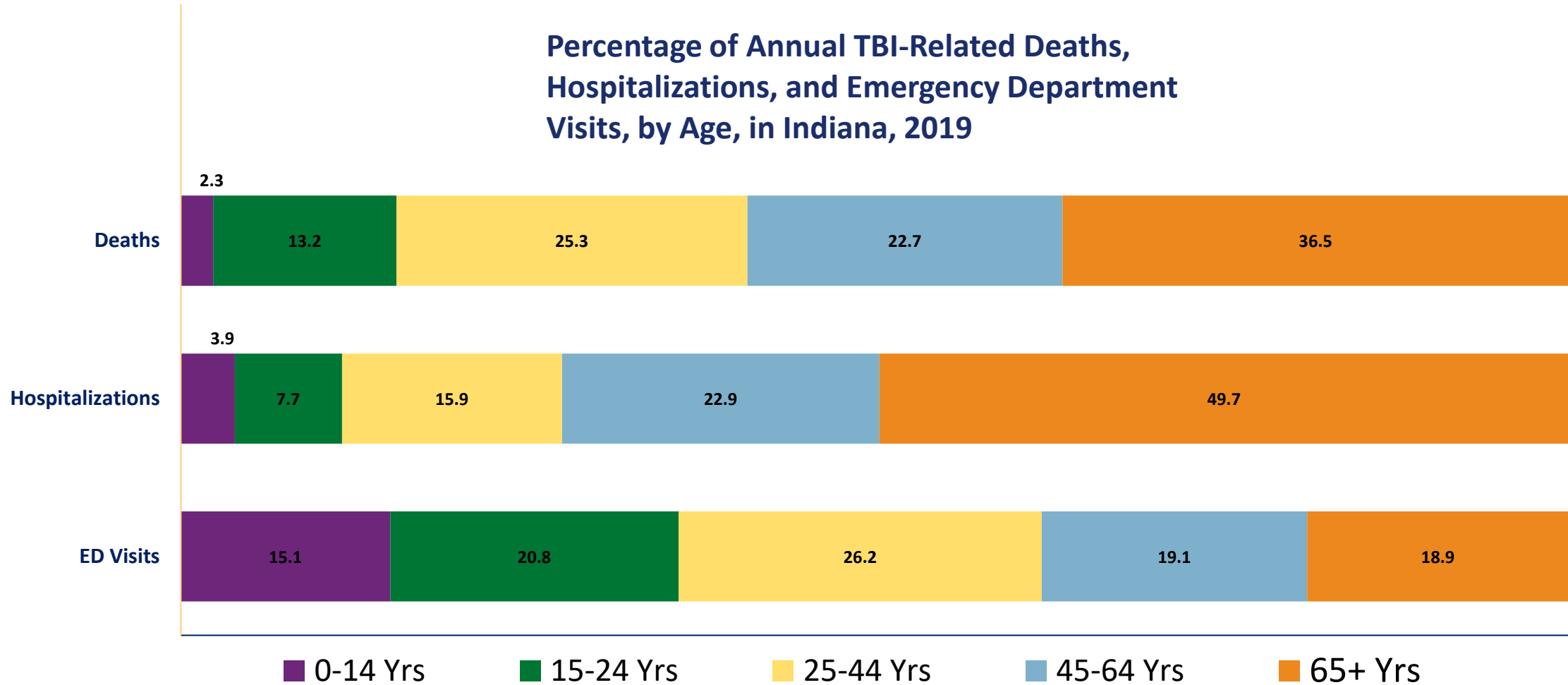
# Traumatic Brain Injury—Overview

- TBI is caused by a bump, blow, jolt or penetration to the head that disrupts the normal function of the brain.
- 43,000 people in Indiana had a TBI in 2019.

**Percentage of TBI-Related Deaths, Hospitalizations and ED Visits in Indiana, 2019**



# TBI—Demographics (Age)



# TBI—Demographics (Gender)

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- Men were more likely to sustain a traumatic brain injury than women
  - 76.8% (13.5 per 100,000) of deaths where TBI was reported as a cause of death on the death certificate alone or in combination with other injuries or conditions
  - 60.4% (57.3 per 100,000) of hospitalizations for TBI alone or in combination with other injuries or conditions
  - 52.6% (259.3 per 100,000) of emergency department visits for TBI alone or in combination with other injuries or conditions

# Data Drives Intervention

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- Older adult falls ➡ Stepping On and STEADI Training
- Motor vehicle accidents ➡ Child passenger safety clinics and booster bashes
- Traumatic brain injury ➡ Partnership with Rehab Hospital of Indiana and other injury and violence prevention (Heads Up)



**Indiana**  
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# NATIONWIDE CHILDREN'S HOSPITAL INJURY PREVENTION PROGRAMS

Tracy Mehan

Director of Research Translation and Communication

Center for Injury Research and Policy

Nationwide Children's Hospital

# Center for Injury Research and Policy



**NATIONWIDE CHILDREN'S**

*When your child needs a hospital, everything matters.™*





Research



Media



Training &  
Education



Networks

# 2021 Top 4 Media Stories



Topic	Audience
High-powered magnets	366 million
Social distancing/traffic volume and injuries	129 million
Furniture and TV tip-overs	103 million
Comprehensive handheld cellphone laws	55 million
<b>Total</b>	<b>653 million</b>



## Highlights:

- 4-hour online workshops
- 225 attendees
- CHES credit available

Save the date:  
July 12-14, 2022

[www.NationwideChildrens.org/CIRP-Media-Workshop](http://www.NationwideChildrens.org/CIRP-Media-Workshop)

- All trainings received 4.7 stars or higher from participants

4.7★  
average rating



# Media Trainings

## Media 101: Beginner's Guide to Working with Media



New to working with the media? Let the experts show you how to use media to share your research, grow your program, and create safer, healthier communities

- Find a newsworthy message
- Make your message attractive to media outlets
- Connect with your audience
- Create and evaluate an outreach plan

Four-hour online workshop

Dates offered: March 9,  
March 25, July 13

Details & registration:  
[www.NationwideChildrens.org/  
CIRP-Media-Workshop](http://www.NationwideChildrens.org/CIRP-Media-Workshop)



CENTER for INJURY  
RESEARCH & POLICY

## Social Media: Public Health in the Digital Age



This workshop will help you understand how social media can be used for public health, where to find your audience, and how to set up your channels for success.

- Choose channels based on goals and audience
- Identify and create content
- Set goals and track engagement
- Plan for staffing, costs, and other resources

Four-hour online workshop

Dates offered: May 11, May 21, July 15

Details & registration:  
[www.NationwideChildrens.org/  
CIRP-Media-Workshop](http://www.NationwideChildrens.org/CIRP-Media-Workshop)



CENTER for INJURY  
RESEARCH & POLICY

## Media 201: Master Your Message and Own Your Interview



This interactive workshop builds on basic skills for public health professionals who have some experience developing media outreach plans, giving interviews, or training others.

- Prepare for media interviews
- Master your message
- Pitch your story
- Write and review press releases
- Conduct mock interviews and provide feedback

Four-hour online workshop

Dates offered: April 13,  
April 29, July 14

Details & registration:  
[www.NationwideChildrens.org/  
CIRP-Media-Workshop](http://www.NationwideChildrens.org/CIRP-Media-Workshop)



CENTER for INJURY  
RESEARCH & POLICY

## Summer Media Institute: Media 101, Media 201, & Social Media



Effective communication in public health has never been more important. Come learn the skills you need to share research, promote programs, and create safer, healthier communities through the media and social media.

3-day online workshop (four hours each day)

Dates: July 13, 14, 15 (register for each day separately)

CHES credits available. Details & registration:  
[www.NationwideChildrens.org/CIRP-Media-Workshop](http://www.NationwideChildrens.org/CIRP-Media-Workshop)

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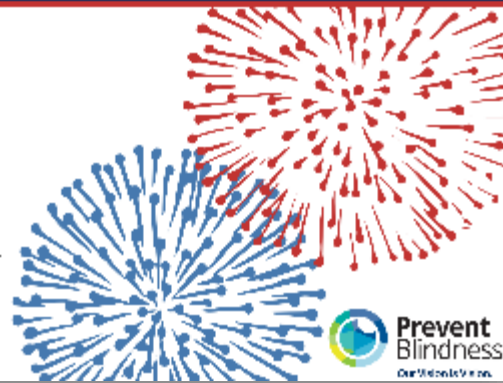
# Fireworks Safety News Conference

July 2, 2021 | 10-11 a.m. ET

Watch on Facebook Live: <https://www.facebook.com/pbohio>

Hear about the impact of backyard fireworks on our community from:

- CIRP faculty and pediatric emergency medicine physician Dr. Leah Middelberg
- Prevent Blindness, Ohio Affiliate
- Franklin County Dog Shelter & Adoption Center
- Grandview Heights Division of Fire
- Grandview City Council



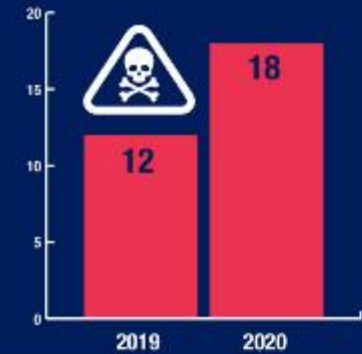
## Spike in Firework Injuries & Deaths from 2019 to 2020

**50%**  
Increase in  
deaths & injuries  
compared to 2019



**15,600**  
people were  
treated in ERs for  
fireworks injuries

### Deaths from Fireworks



Fireworks Safety News Conference  
July 2, 2021 | 10-11 a.m. ET

<https://www.facebook.com/pbohio>

In 2020, fireworks were involved in an estimated  
**15,600 injuries**  
treated in United States emergency departments.



Fireworks Safety News Conference  
July 2, 2021 | 10-11 a.m. ET

<https://www.facebook.com/pbohio>

 **Prevent  
Blindness®**  
Our Vision Is Vision®



Center for Injury Research and Policy  
@CIRP@NCHI

"Fireworks are assoc. w/serious injuries, esp. among children. Injuries often occur to innocent bystanders. Adult supervision is not enough. Families should enjoy fireworks at public displays conducted by pros rather than purchase fireworks for private use." - Dr. Leah Middelberg



# Trainees for Child Injury Prevention



# T4CIP Activities

Monthly Trainings



Day of Action



Local Outreach



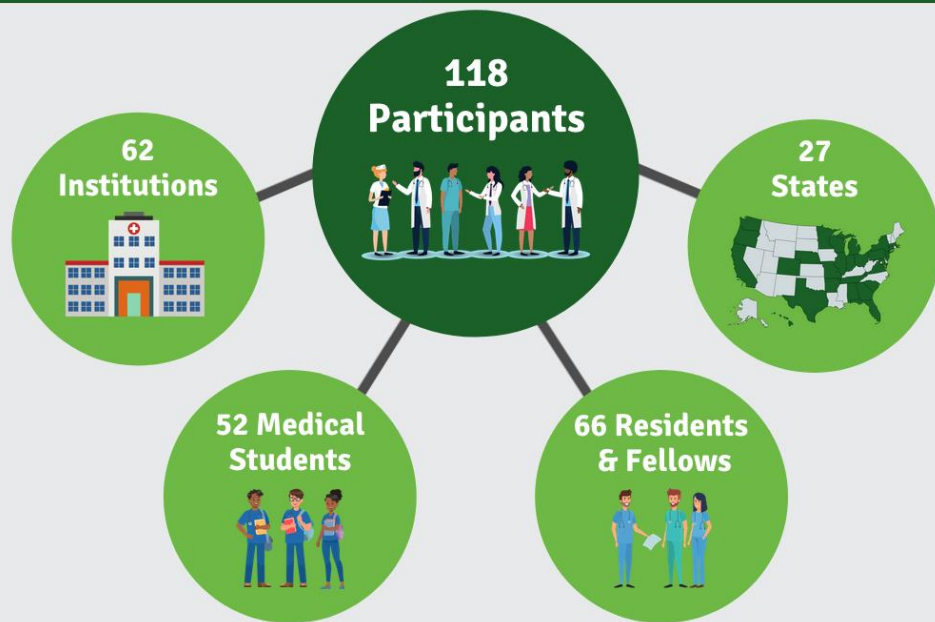
Social Media Outreach



Mentorship



# Since 2021, T4CIP has reached:



T4CIP  
TRAINEES FOR CHILD INJURY PREVENTION

SOPT  
Section on Pediatric Trainees

COIVPP  
COUNCIL ON INJURY VIOLENCE  
AND POISON PREVENTION

NATIONWIDE  
CHILDREN'S  
When your child needs a hospital, everything matters.

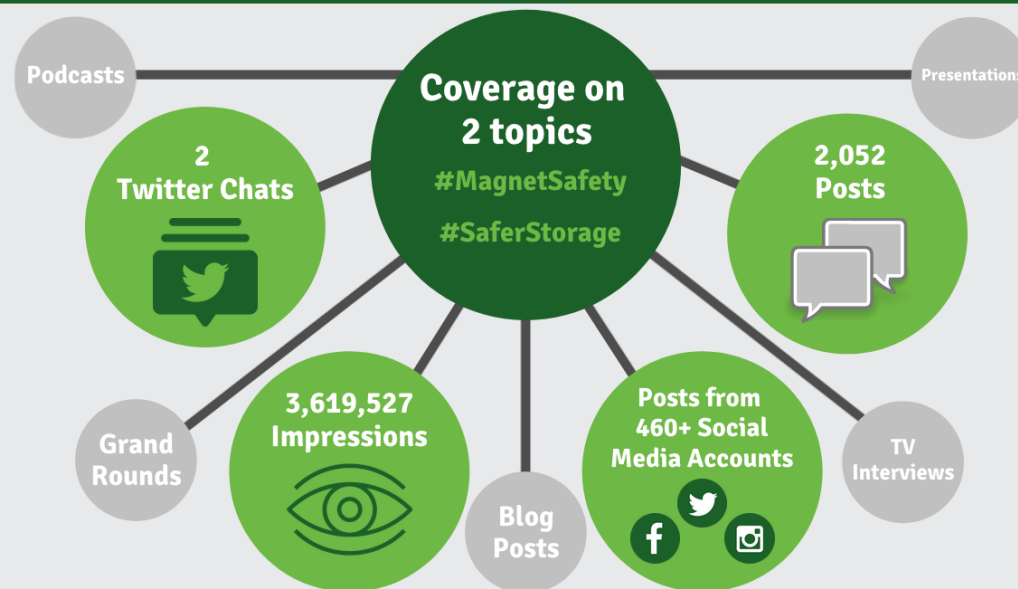
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RESEARCH & POLICY



## 2022 T4CIP Days of Action

- May 25, 2022: bike helmets
- Oct. 26, 2022: TBD

## In 2021, T4CIP's 2 days of action led to:



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## The health of the public depends on our ability to **share what we know.**

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CIRTC.org will be a one-stop-shop for tools, resources, trainings, and more, all relating to health and science communication. With years of experience translating data into messages for the public and others, we want to teach you our tips and best practices to get the most of your work. We're rooted in health communication, but we also look outside our backyard at fields like behavior change and social marketing to find the best ways to reach our goals. Let CIRTC be your starting spot anytime you need to communicate.

What can you expect? We're busy building along three tracks:

1. Cataloging existing health comm trainings, tools, and resources
2. Developing our own trainings and resources that put concepts into practice
3. Collecting links to conferences, organizations, people, and more you should attend/follow/like/work with



Exercises & Explainers



Live & Online Training



Health Communication  
Certificate



Community Connection

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## Build Real-World Skills

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Audience &  
Messaging



Posters &  
Presentations



Media  
Interviews



Health Literacy  
& Readability



Visuals &  
Graphic Design



Websites &  
Social Media

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The health of the public depends on our ability to  
**share what we know.**

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Scan the QR code to sign up to be alerted  
when the site launches

# 2021 Blog Posts on 700 Children's

- Bathtime Safety
- Changes in Post-Concussion Care
- Flow Restrictors Make Medicine Dispensing Safer, Easier, and Cleaner
- Using a Booster Until a Seat Belt Fits (thanks, Carrie!)
- The ABCs of Safe Sleep
- 6 Tips for Safe Hayrides
- Campfire Safety
- Give the Gift of Safety
- Portable Space Heaters
- Transition to Toddler Beds

700 Children's® – A Blog by Pediatric Experts  
New Parent Confessions: Bathtime Safety

Jan 28, 2021



700 Children's® – A Blog by Pe  
The ABC's of Safe Sleep

Oct 12, 2021





# National Student Injury Research Training Program

- 13-year program
- Objectives:
  - Key research and statistical concepts and methods
  - How to write and publish a manuscript
  - Principles of injury prevention and control
- Expanded to include public health and other graduate and undergraduate students and medical students

## Jon Lun

The Ohio State University  
College of Medicine

“ I worked as an EMT during my undergraduate and am excited to learn about the research behind policy and procedures we incorporate in the field.

**Fun fact:** I have two siblings in college who both also want to be doctors! ”



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RESEARCH & POLICY



## Sonali Dadoo

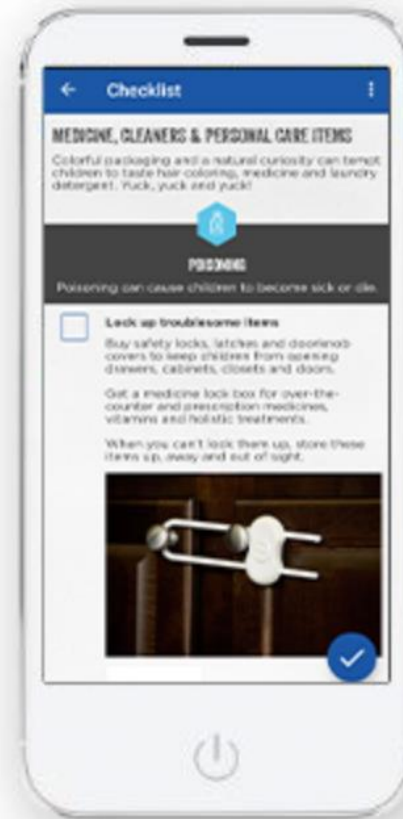
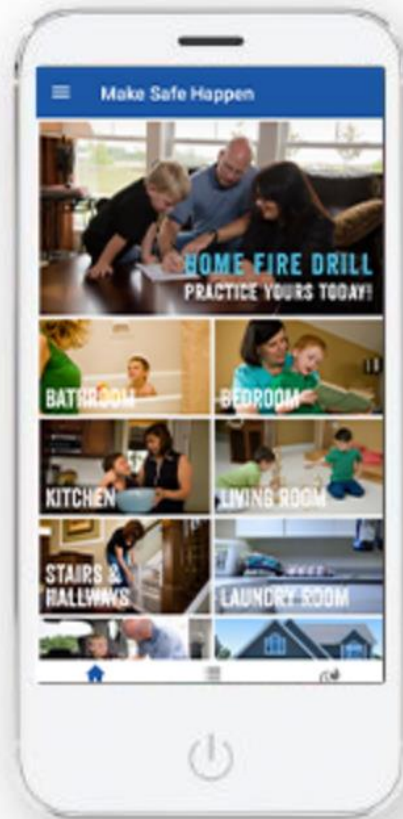
New York Medical College



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RESEARCH & POLICY



# MAKE SAFE HAPPEN<sup>®</sup>



65,000+ downloads

# Prevent Child Injury

- Translate child injury prevention research into **high-quality, health-literate** injury prevention toolkits
- Coordinated outreach campaigns around toolkits so that families hear the **same message** from different places all at the **same time**.

## 2022 TOOLKITS

### **Furniture Tip-Overs**

January 31st - February 4th, 2022

### **Safe Firearm Storage**

June 13th - 19th, 2022

### **Heatstroke**

July 25th - 31st, 2022

### **Recalls**

November 14th - 20th, 2022

# Prevent Child Injury



Join Prevent Child  
Injury today!

# Let's Connect

## Virtual Professional Consultations and Collaborations

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RESEARCH & POLICY

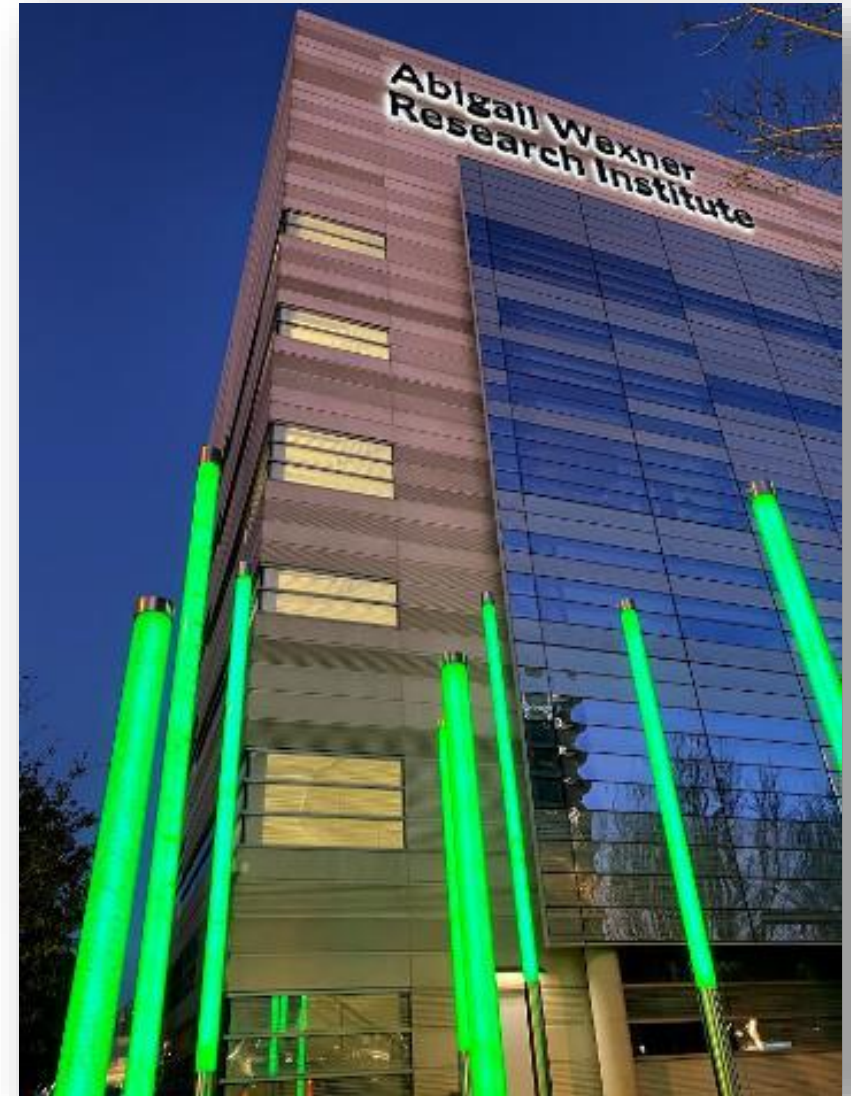
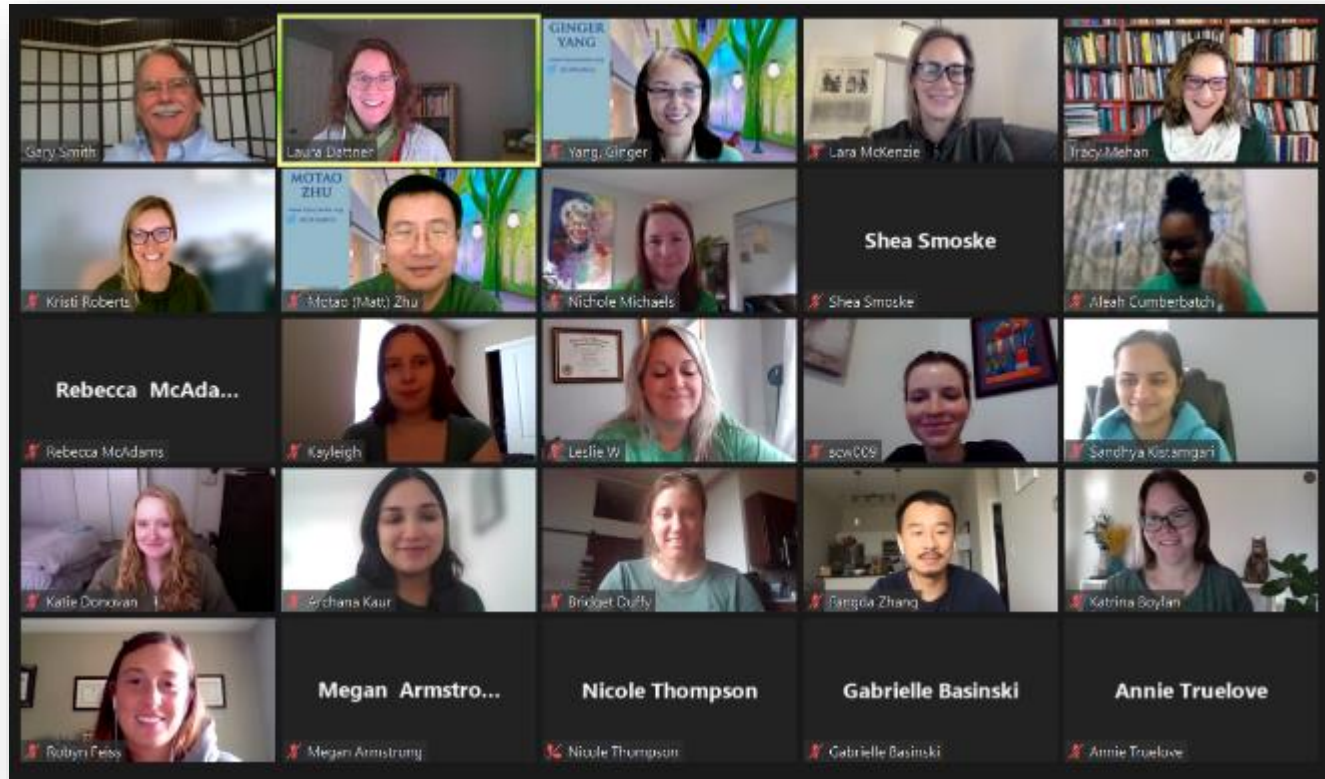
# Let's Connect

Virtual Professional  
Consultations and Collaborations

<http://bit.ly/CIRPLetsConnect> .....

- Consultation and mentoring service for injury professionals and students.
- Core faculty serve as coach/mentors.
- Expand on professional mentoring and collaboration.
- Address the needs of injury professionals or other disciplines interested in injury-related projects.

# National Injury Prevention Day – Nov. 18



# MIPA



Midwest  
Injury  
Prevention  
Alliance



 @MidwestInjury

[www.midwestinjurypreventionalliance.org](http://www.midwestinjurypreventionalliance.org)

## Newsletters



### MIDWEST INJURY PREVENTION ALLIANCE

#### Congratulations to Our New MIPA Leadership!



**Morgan Sprecher, MPH**, was elected to a two-year term (2021-2022) as MIPA President. She is the Epidemiologist for the Indiana Violent Death Reporting System (INVDRS). She holds a BS degree in Biology from Purdue University and a MPH from the Fairbanks School of Public Health at Indiana University with an emphasis in Epidemiology. Morgan serves as the violence and injury prevention specialist at the Indiana Department of Health. Her interests focus on suicide prevention and awareness, and unintentional death or injury. Morgan has served multiple years on the Out of the Darkness Campus Walks Committee of the Foundation for Suicide Prevention. She is a member of Safe States Alliance and is Chair of the MIPA NVDRS Committee. Recently, she has served as a site coordinator for COVID-19 drive-thru testing sites throughout Indiana.



**Sara Kohlbeck, MPH**, was elected to a two-year term (2021-2022) as MIPA Vice President. She is Assistant Director of the Comprehensive Injury Center at the Medical College of Wisconsin. In her role, Sara conducts research related to injury and violence across Wisconsin. Specifically, Sara's work focuses on understanding suicide in Wisconsin, particularly among veterans and other disproportionately affected groups. Sara is also a PhD student in Public and Community Health at the Medical College of Wisconsin. Her doctoral research is on suicide among farmers in Wisconsin. Sara received her MPH from the Zilber School of Public Health at the University of Wisconsin-Milwaukee.

## Virtual Summit



KEEPING A 20/20 FOCUS  
DURING CHALLENGING TIMES

MIPA VIRTUAL SUMMIT DECEMBER 9, 2020

*Hosted by the Minnesota Department of Health Injury and Violence Prevention Section*

Save the Date: Sept 21, 2022

## Webinar Series



Midwest  
Injury  
Prevention  
Alliance

Webinar Series

# Questions?



Tracy.Mehan@nationwidechildrens.org



@Tracy\_Mehan



@CIRPatNCH



Through Let's Connect mentorship program



# Discussion

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What do we, in Indiana, do well when it comes to the topics from today?

How can/where can we improve this?

# 2022 Meeting Dates

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May 6

August 5

November 4

# THANKS!

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