

New Mexico DOT SHSP Interagency Working Groups (IAWG)

Meeting 1
January 23, 2025



Housekeeping notes

- Please keep yourself on mute when not speaking to avoid background noise
- Meeting is being recorded
- Video off unless speaking
- The meeting is expected to take 60 minutes; time for questions in the middle and end
- Chat is being monitored for questions
- Tech issues: please direct message Richard Perce in the Zoom chat or you can email at richard@anthropop.com

Agenda

Introductions (5 min)

About the project (15 min)

IAWG overview (15 min)

Safety trends (15 min)

Next steps (10 min)

Introductions

Project Team

NMDOT

- Jason Coffey
- Rosa Kozub
- Alma Pacheco
- Nathan Wagliardo
- Shannon Glendenning
- Rosa Kozub

JACOBS ENG.

- Kim Kolody
- Tommy Myszka
- Swaroop Nalluru
- Maryam Shaygan

ANTHROPOPULUS

- Amy Bell
- Richard Perce

About the project

What is a Strategic Highway Safety Plan (SHSP)?

- Part of Highway Safety Improvement Program
- Statewide safety plan
- Identifies strategies to reduce the risk of death and serious injury
- Coordinates safety efforts across multiple agencies
- Data-driven
- Identifies NM-specific Emphasis Areas
- Requires stakeholder engagement
- Guides safety funding investments

Plan → Implement → Report → Evaluation



Goals of the Strategic Highway Safety Plan (SHSP)

Vision: Target Zero - Zero Deaths on all public New Mexico Roadways

- Every life counts - no loss of life is acceptable
- Shift from "reducing" to "eliminating" fatal crashes
- SHSP is one element of the Target Zero initiative

Focus Areas:

- Vulnerable Road Users (walkers, bikers, people in work zone)
- Disadvantaged/underserved areas with high rates of crashes
- Tribal communities
- Emphasis Areas

Incorporating Safe System Approach through:

- Proactive safety planning
- Evidence-based countermeasures
- Multi-agency collaboration

Implementation & Tracking:

- Development of countermeasure, policies, programs, strategies
- Data-driven decision making supported by robust engagement
- Performance monitoring toward zero
- Regular evaluation and strategy adjustment



**Join at [menti.com](https://www.menti.com)
Use code 8397 4345**



Safe System Approach

PRINCIPLES OF A SAFE SYSTEM APPROACH (SSA)

- Death and serious injuries are unacceptable
- Humans make mistakes
- Humans are vulnerable
- Responsibility is shared
- Safety is proactive
- Redundancy is crucial



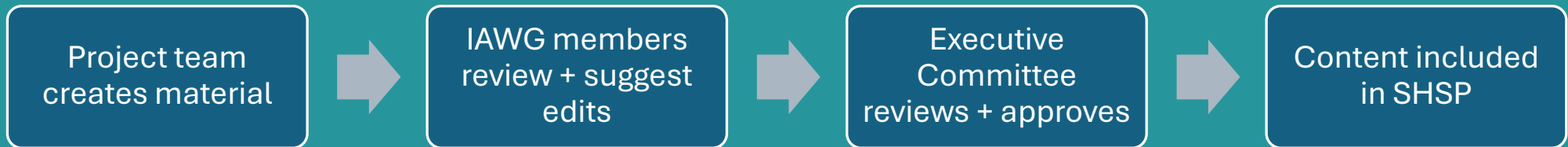
IAWG overview...why are we here?

Interagency Working Groups

Assist the project team in identifying implementation strategies for SHSP Emphasis Areas

EXPECTATIONS

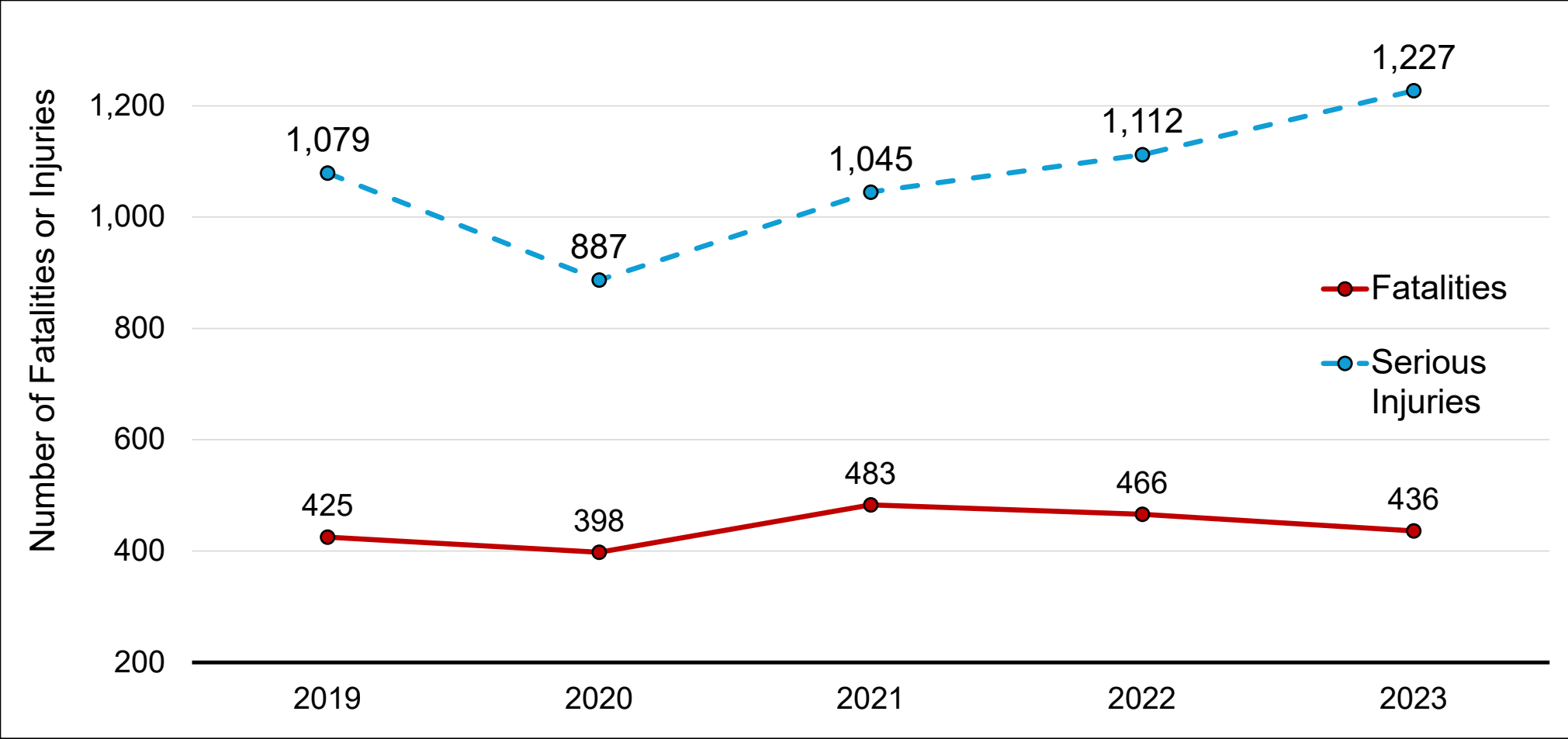
- Attend several virtual meetings through 2025
- Assist in identifying and prioritizing strategies for Emphasis Areas
- Opportunity to comment on draft materials



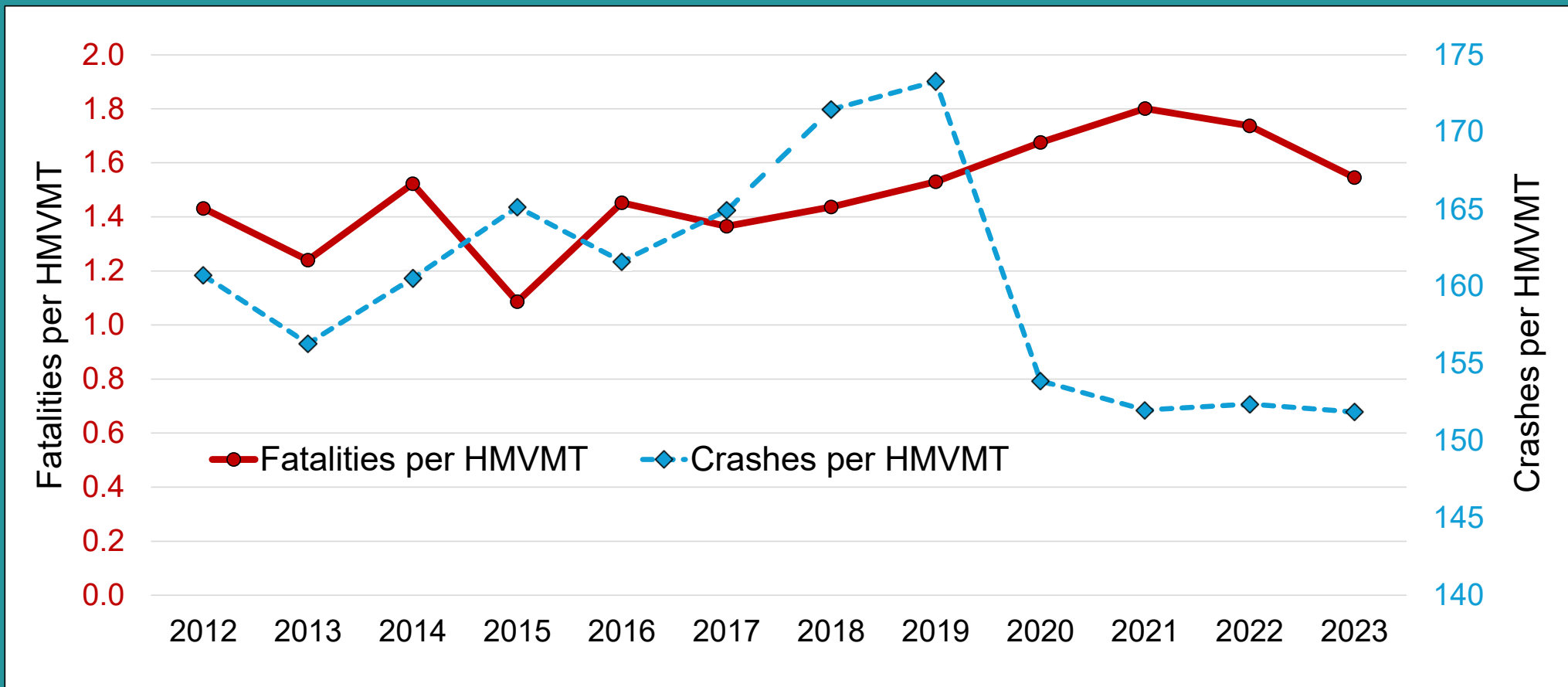
Questions from the chat...?

Safety trends – why we're here

Fatalities and Serious Injuries in New Mexico

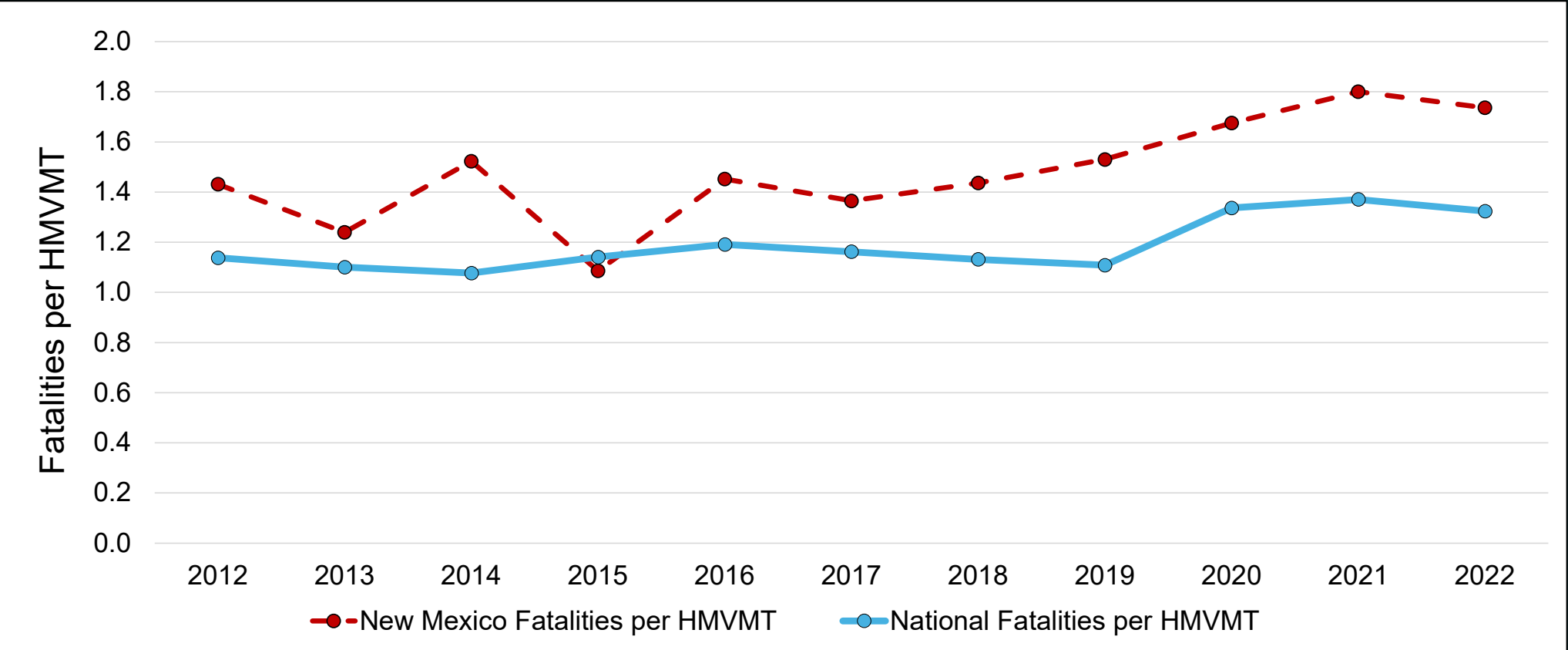


Total Crashes vs. Fatalities per HMVMT in New Mexico



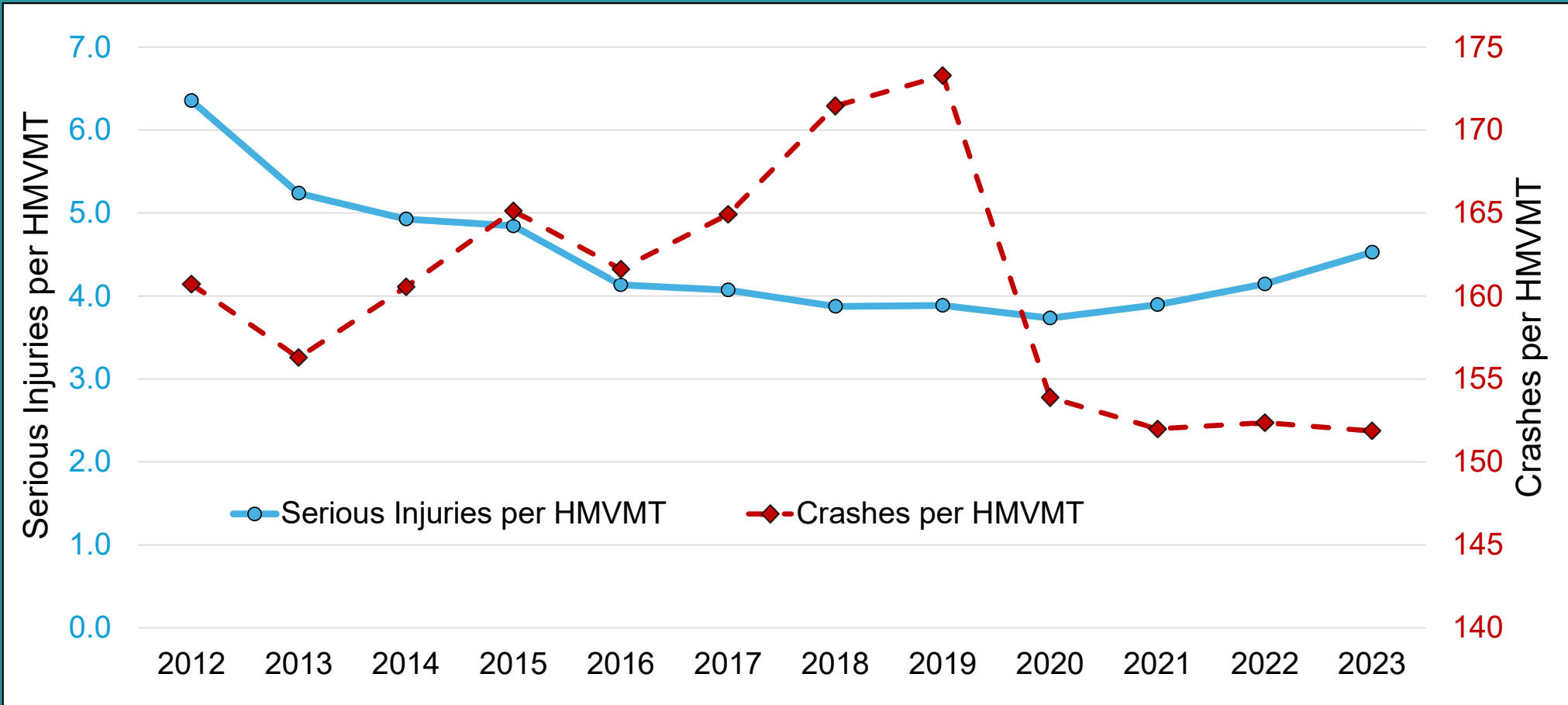
HMVMT – hundred million vehicle miles traveled

Comparison of Fatality Rate (HMVMT) in New Mexico vs. Nationwide*



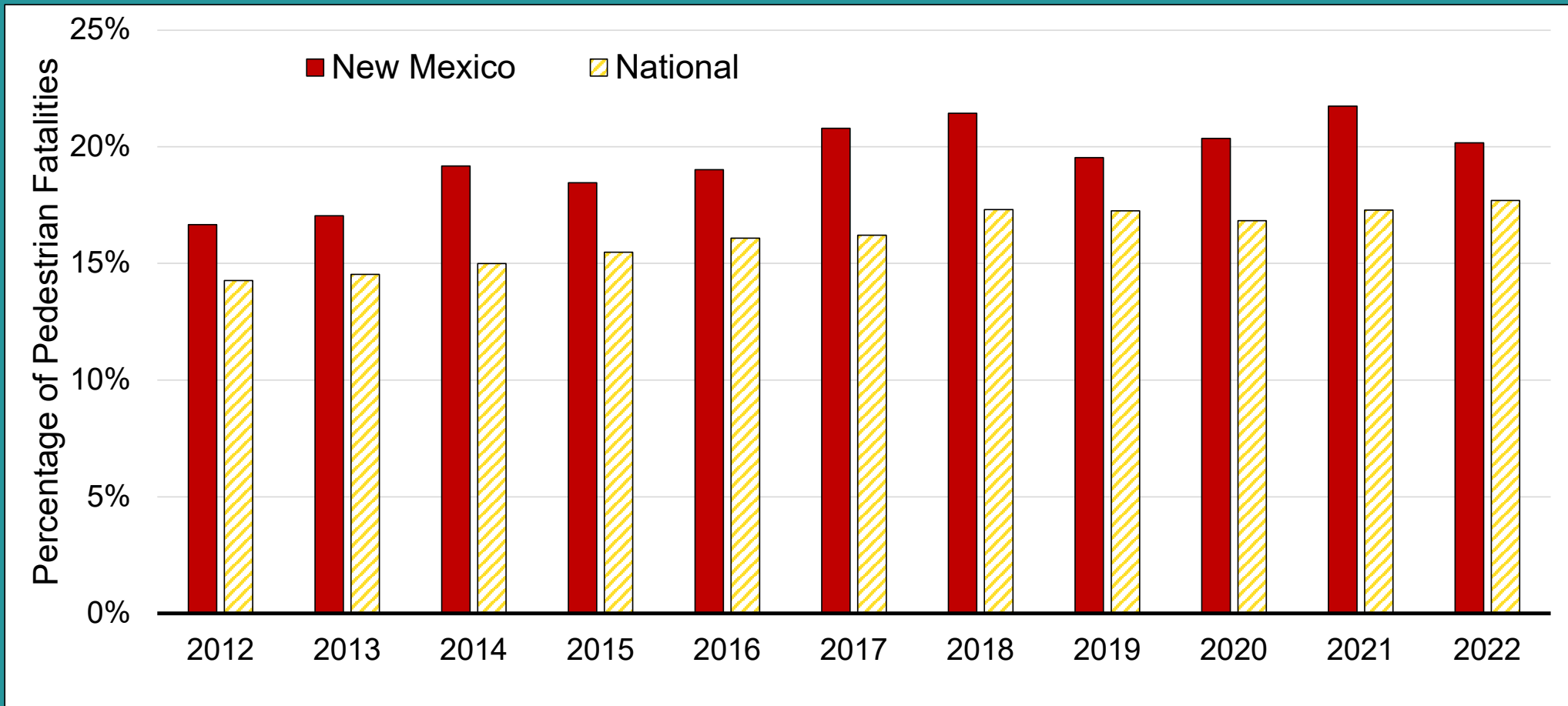
HMVMT - hundred million vehicle miles traveled
*Source - www.fars.nhtsa.dot.gov/

Total Crashes vs. Serious Injuries (HMVMT) in New Mexico



HMVMT – hundred million vehicle miles traveled

Pedestrian Fatalities as a Percentage of Total Fatalities: New Mexico vs. National



Emphasis Areas from 2021 SHSP

Safety Emphasis Area*	% Fatalities in New Mexico (2,208 total from 2019-2023)	% Serious Injuries in New Mexico (5,349 total from 2019-2023)
Impaired Driving	55.9%	18.6%
No Use of Safety Restraint	51.3%	27.3%
Roadway Departure	41.5%	35.2%
Speed/Aggressive Driving	41.2%	46.0%
Distracted Driving	38.5%	44.5%
Pedestrian Involvement	21.5%	9.5%
Heavy Vehicle Involvement	17.6%	10.1%
Older Driver Involvement**	16.3%	16.6%
Young Driver Involvement**	14.7%	18.7%
Motorcycle Involvement	12.2%	13.5%
Tribal Lands	11.3%	7.4%
Intersection Related***	11.1%	18.3%
Incident Weather	8.9%	10.9%
Sleepy/Fatigued Driving	1.9%	2.4%
Bicyclist Involvement	1.8%	2.2%
Transit/Bus Involvement	0.6%	0.9%
Animal/Wildlife Involvement	0.4%	0.5%
Work Zone Related	0.2%	0.2%
Rail Involvement	0.05%	0.02%

*Multiple emphasis areas may be assigned to one crash - they are not mutually exclusive.

**Older drivers are of age 65 and over. Younger drivers are of age 15-20.

***Data on intersection related emphasis area is unavailable for 2019 crash data. Percentage may be underrepresented.



HUMAN BEHAVIOR

■ **94%**
OF FATALITIES
■ **87%**
OF SERIOUS INJURIES

- Impaired Driving
- Distracted Driving
- Sleepy/Fatigued Driving
- Speed/Aggressive Driving
- No Use of Safety Restraint
- Older Driver Involvement
- Young Driver Involvement



ROAD/LANE DEPARTURE

■ **47%**
OF FATALITIES ■ **41%**
OF SERIOUS INJURIES

- Roadway Departure
- Animal/Wildlife Involvement
- Inclement Weather



VULNERABLE ROAD USERS

■ **23%**
OF FATALITIES ■ **12%**
OF SERIOUS INJURIES

- Pedestrian Involvement
- Bicyclist Involvement
- Work Zone Related



INTERSECTIONS

■ **11%**
OF FATALITIES ■ **18%**
OF SERIOUS INJURIES

- Intersection Related
- Rail Involvement



TRIBAL LANDS

■ **11%**
OF FATALITIES ■ **7%**
OF SERIOUS INJURIES

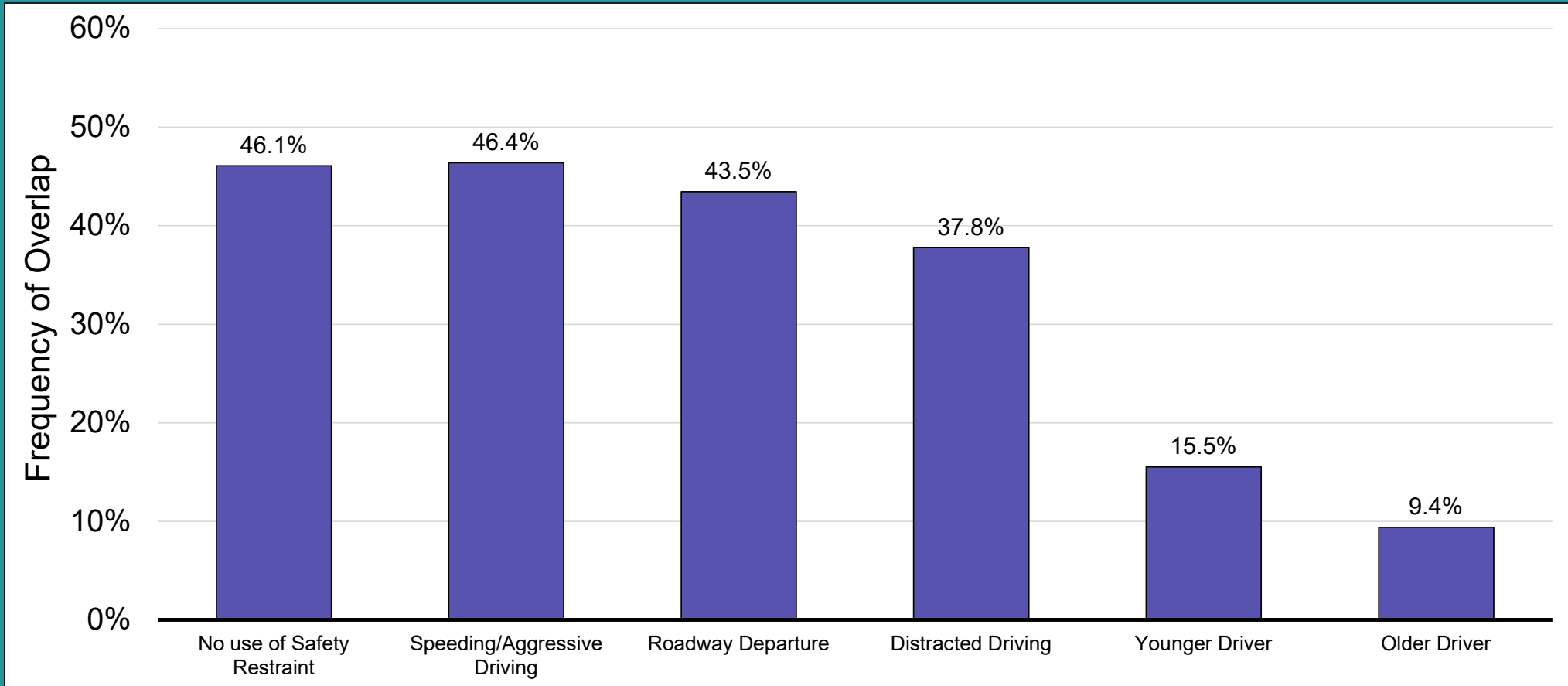
Crashes on lands owned by federally recognized Native American tribes.



Join at menti.com
Use code 8397 4345



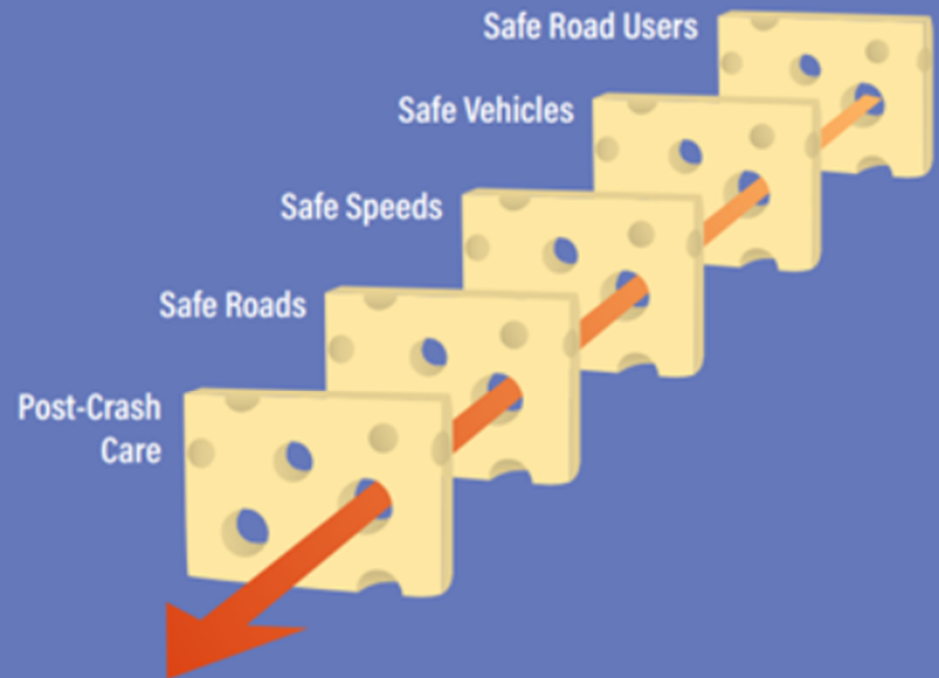
Impaired Driving Fatalities and Serious Injuries: Combined Risk Factors (2019-2023)



The "Swiss Cheese Model" of redundancy creates layers of protection.



Death and serious injuries only happen when all layers fail.



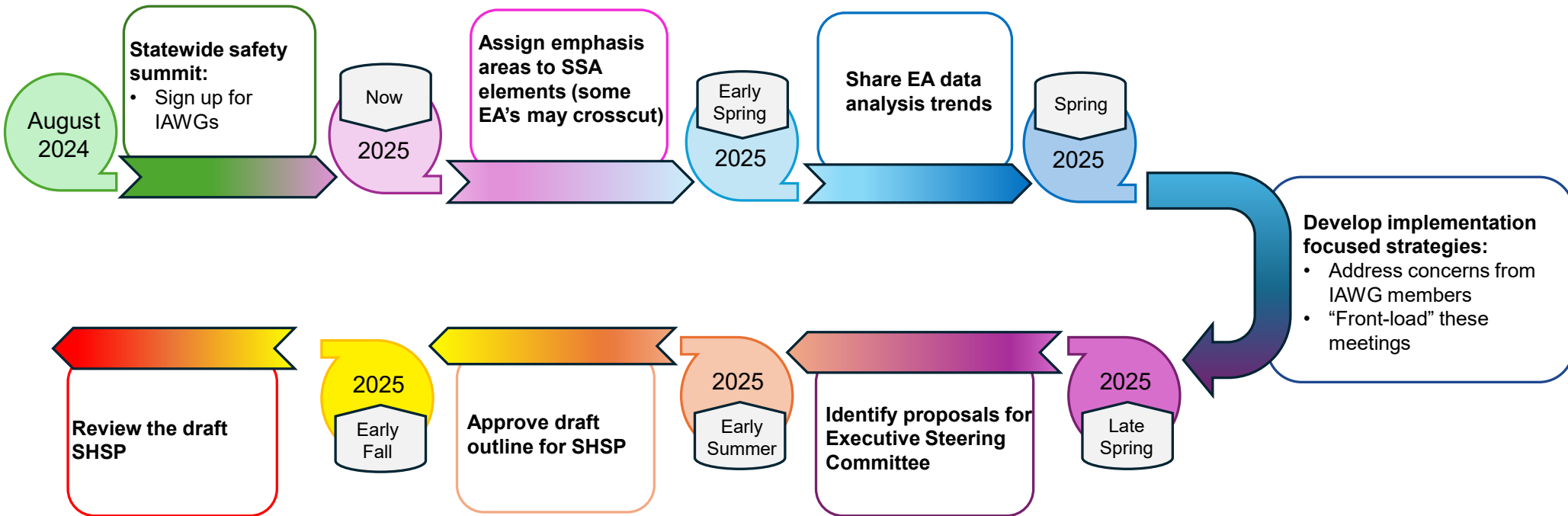
NMDOT SHSP website

We need your help! Here are a few ways for people to get involved:

- Sign up to receive email updates about the project
- Attend meetings and join us at local events
- Spread the word

<https://newmexicodotshsp.com/>

Steering committee timeline and next steps



Your assignments/homework

- Share recommendations with the project team
- Share the project website with your networks (<https://newmexicodotshsp.com/>)
- Propose future meeting topics
- Recruit more IAWG members – direct them to the website!
- Propose methods to incorporate equity
- Review and provide input on upcoming deliverables
- Attend next meeting:
 - Thursday, February 27th, 2025 @ 1PM
 - Topic: Human Behaviors

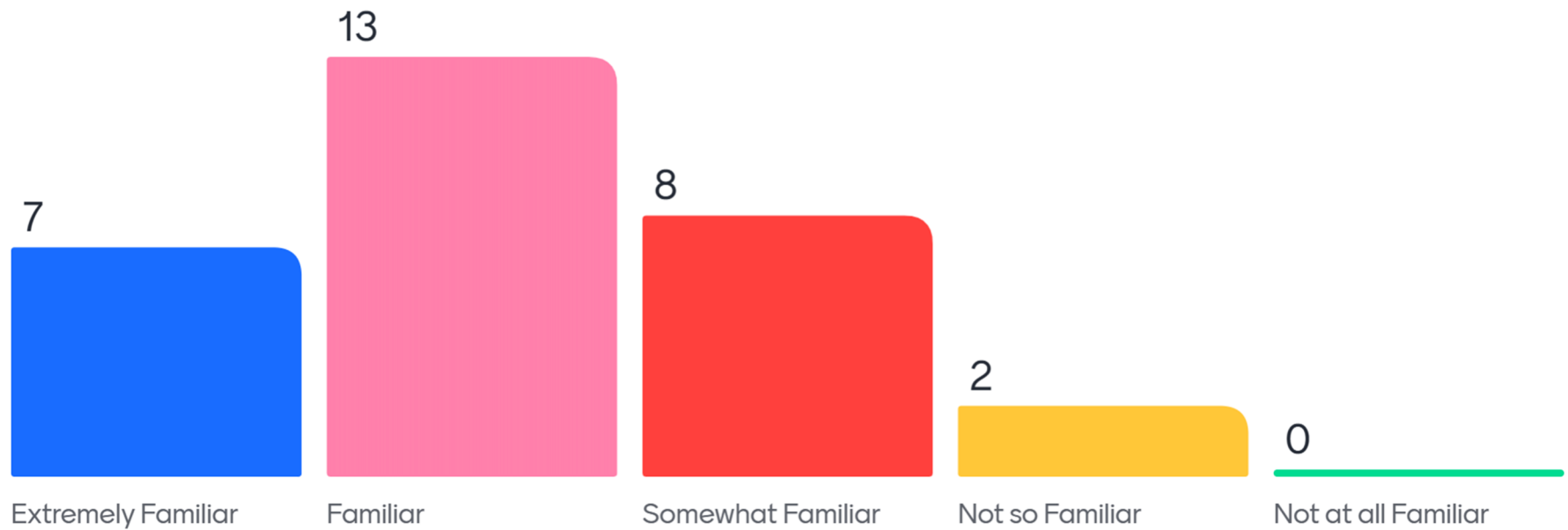
Questions?

Contact info

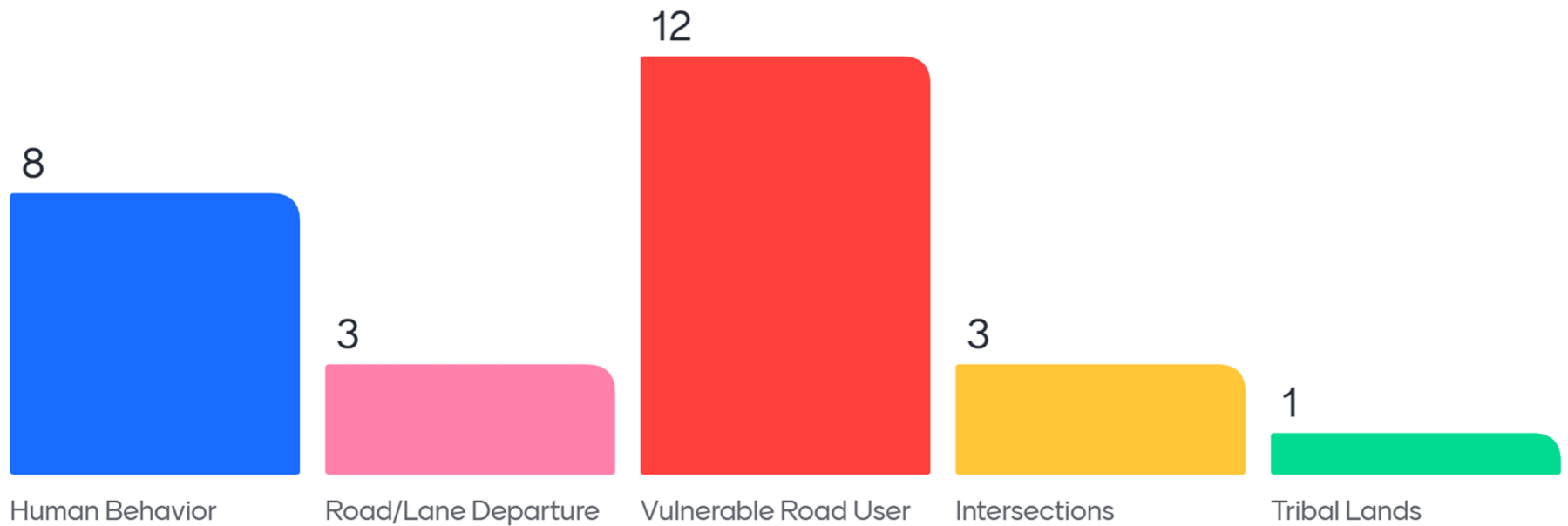
Jason Coffey – jason.coffey@dot.nm.gov

Tommy Myszka, PE, RSP1 – tommy.myszka@jacobs.com

Indicate your familiarity with the Safe System Approach to transportation safety.



Which of the 5 proposed emphasis area categories does your work most closely align with?



Previous slide



Which of the 5 E's do you most closely align with?

