



Snohomish County

Road Safety Program

July 2, 2024

Presenters:

Kelly Snyder, Public Works Director
Doug McCormick, Deputy Director
and County Engineer



Agenda

- Road Safety
 - Traditional safety approach
 - Safe Systems for All (SS4A) approach
- Safety in Our Community
 - Collision data
 - Impacts
- Road Safety Plan
- Road Safety Program



Road Safety

- Road safety impacts the everyday life of all road users, motorists, bicyclists, pedestrians
- Road safety means preventing serious and fatal traffic injuries
- Road safety requires comprehensive and holistic solutions
- Road safety must be proactive and not reactive
- Road safety is a shared responsibility

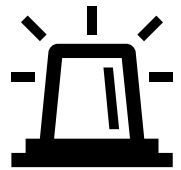


Road Safety – Traditional Approach

4E Approach



Engineering



Enforcement



Education



Emergency Response

E+ Approach



Evaluation and planning



Equity



Encouragement and
engagement

Safe Systems Approach

Principles

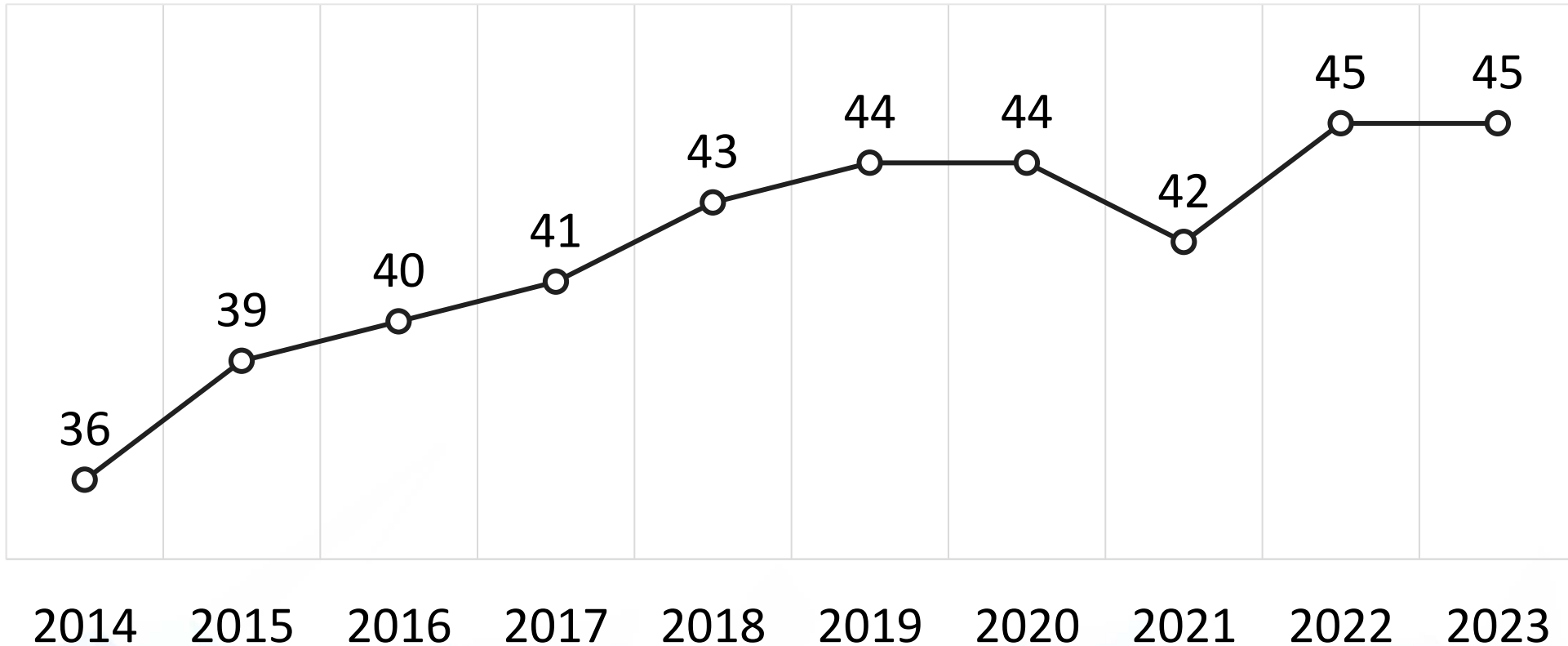
- Death and serious injuries are unacceptable
- Humans make mistakes
- Humans are vulnerable
- Responsibility is shared
- Safety is proactive
- Redundancy is crucial

Approach

- Safer people
- Safer roads
- Safer vehicles
- Safer speeds
- Post-crash care

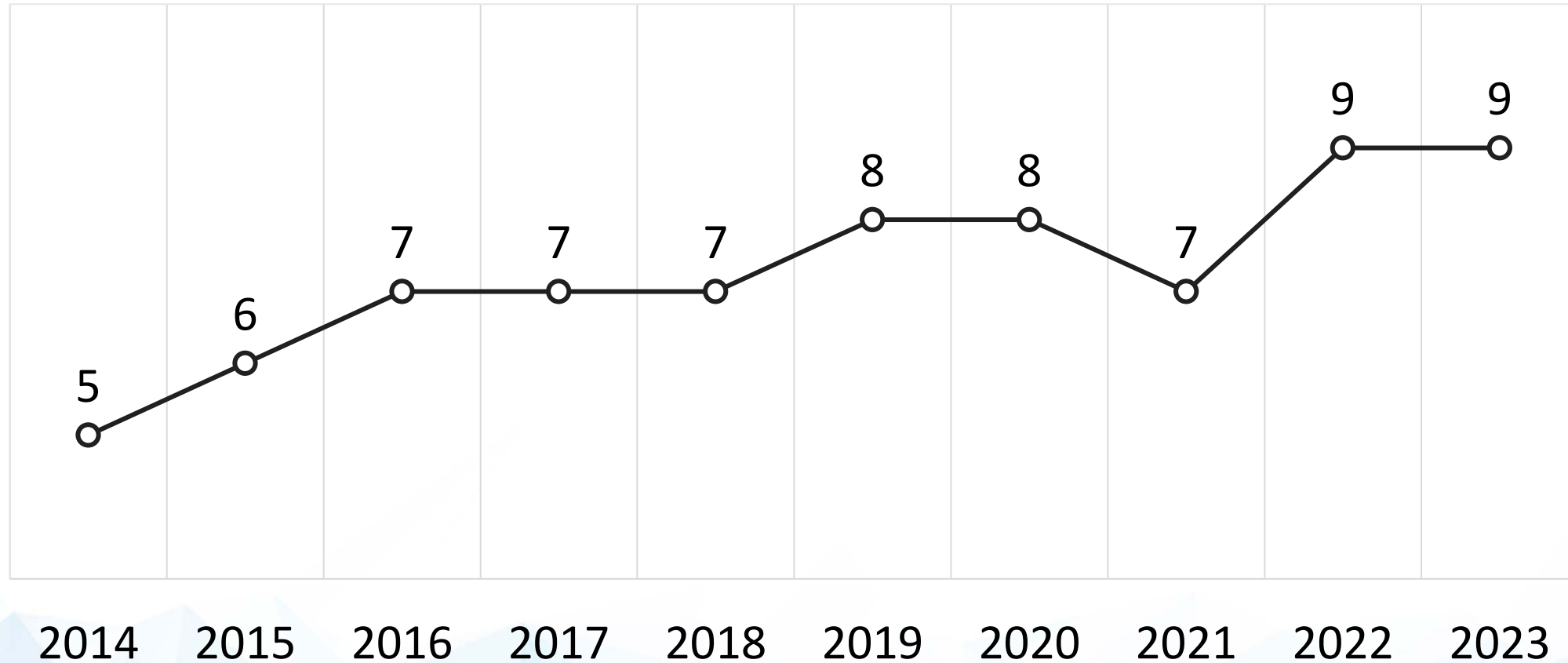


Safety in Our Community: Traffic Related Fatalities



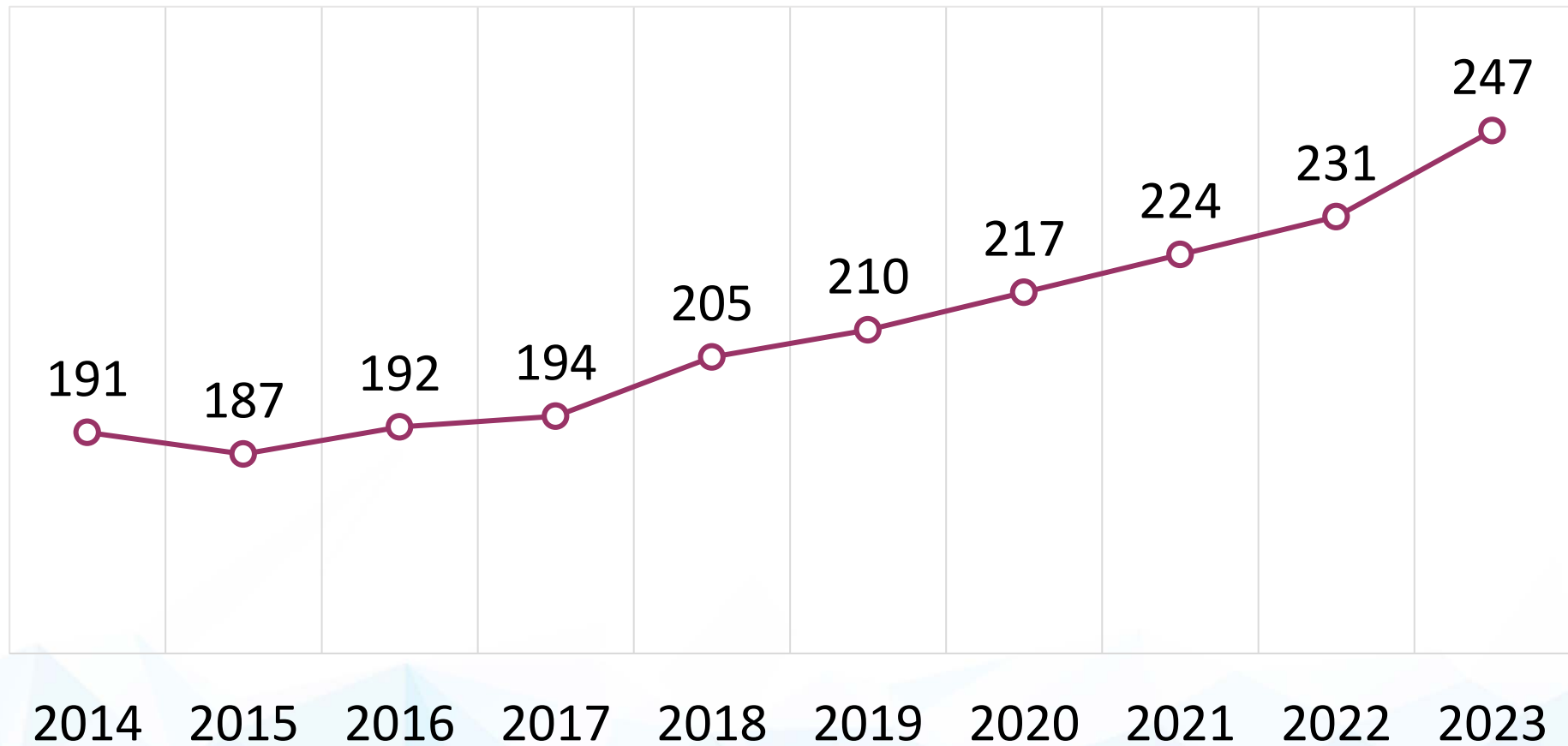
*5-year rolling average

Safety in Our Community: Traffic Related Bicyclist and Pedestrian Fatalities



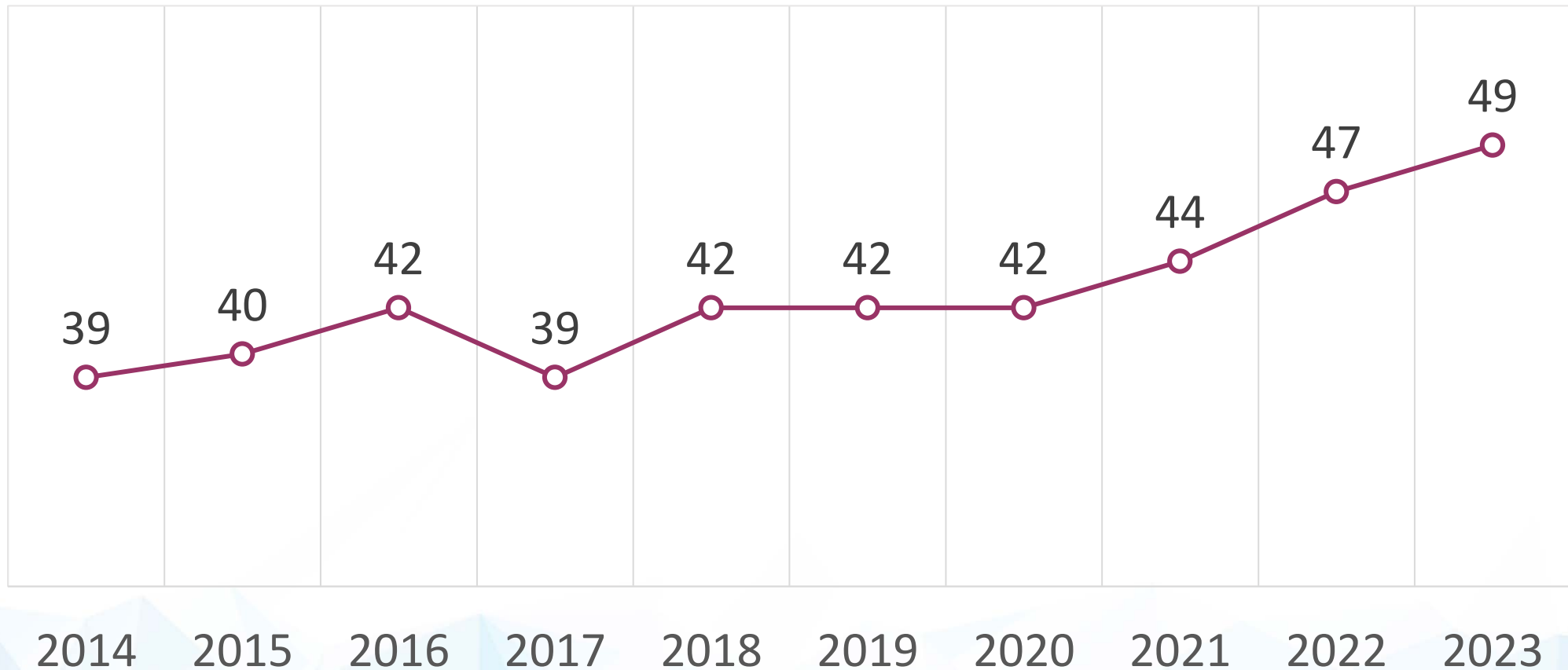
*5-year average

Safety in Our Community: Traffic Related Serious Injuries



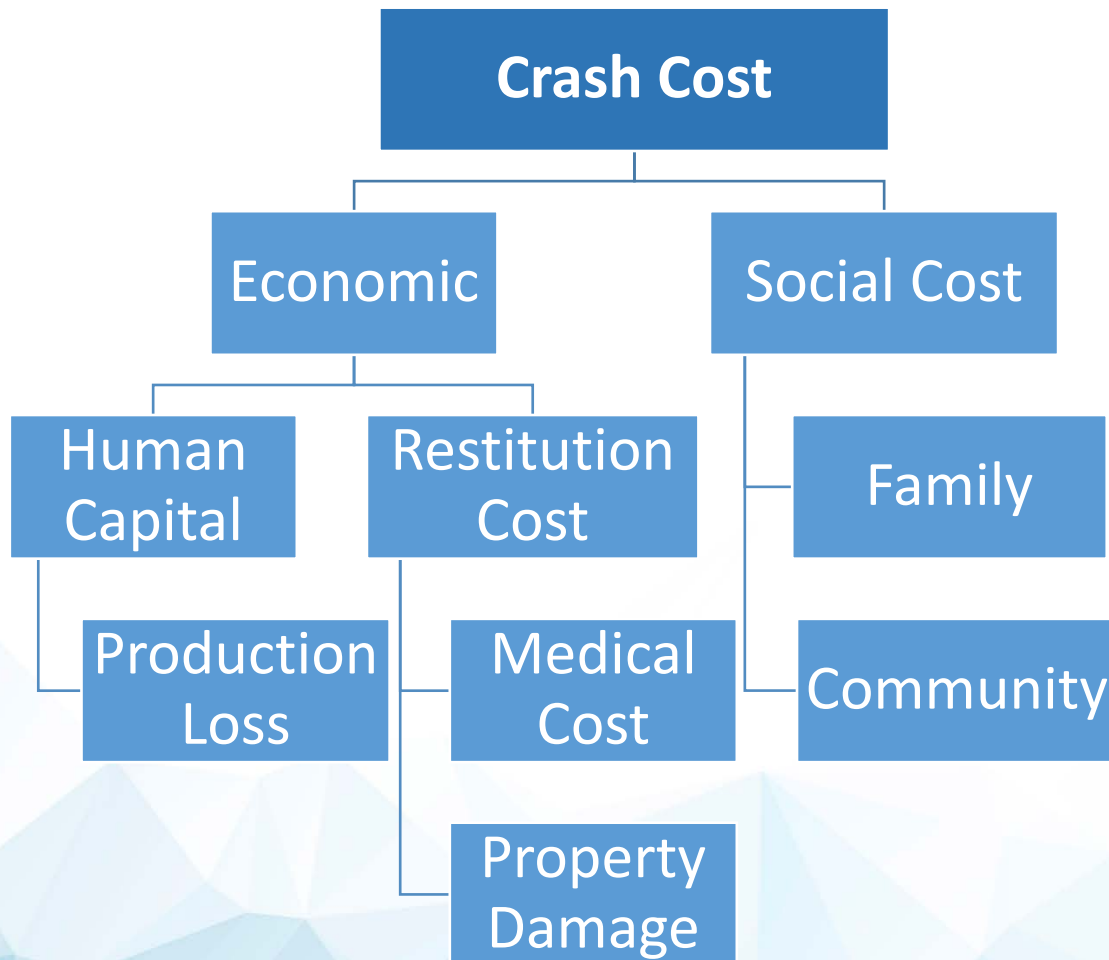
*5-year average

Safety in Our Community: Traffic Related Bicyclist and Pedestrian Serious Injuries



*5-year average

Road Safety – Socioeconomic Costs



Crash Injury Severity	Economic Cost per Injury ¹	Social Cost per Injury ¹	Total Cost per Injury
Death	\$1,869,000	\$4,487,000	\$6,356,000
Serious injury	\$162,000	\$165,000	\$327,000
Property damage only	\$6,100	\$1,000	\$7,100

Source: National Safety Council Costs of Motor-vehicle Injuries

¹ 2022 dollars

Road Safety – Socioeconomic Costs

Crash Injury Severity	Socioeconomic Cost per Injury ¹	Snohomish County Annual Crashes ²	Average Annual Cost to Snohomish County
Death	\$6,356,000	45	\$286,020,000
Serious injury	\$327,000	231	\$75,537,000
Property damage only	\$7,100	8,635	\$61,307,080

Source: National Safety Council Costs of Motor-vehicle injuries

¹ 2022 dollars

² Average annual crash rate for all roads in Snohomish County from 2018-2022

Snohomish County Road Safety Guiding Principles

1. Traffic deaths and serious injuries are unacceptable and preventable.
2. Safety is a top priority balanced with other transportation priorities.
3. A multi-departmental, comprehensive approach is essential.
4. Speed management should be prioritized.
5. Decision-making should be data driven, transparent, and equitable.
6. Roadway safety is a sustainable commitment of the county.

Snohomish County
Road Safety Plan

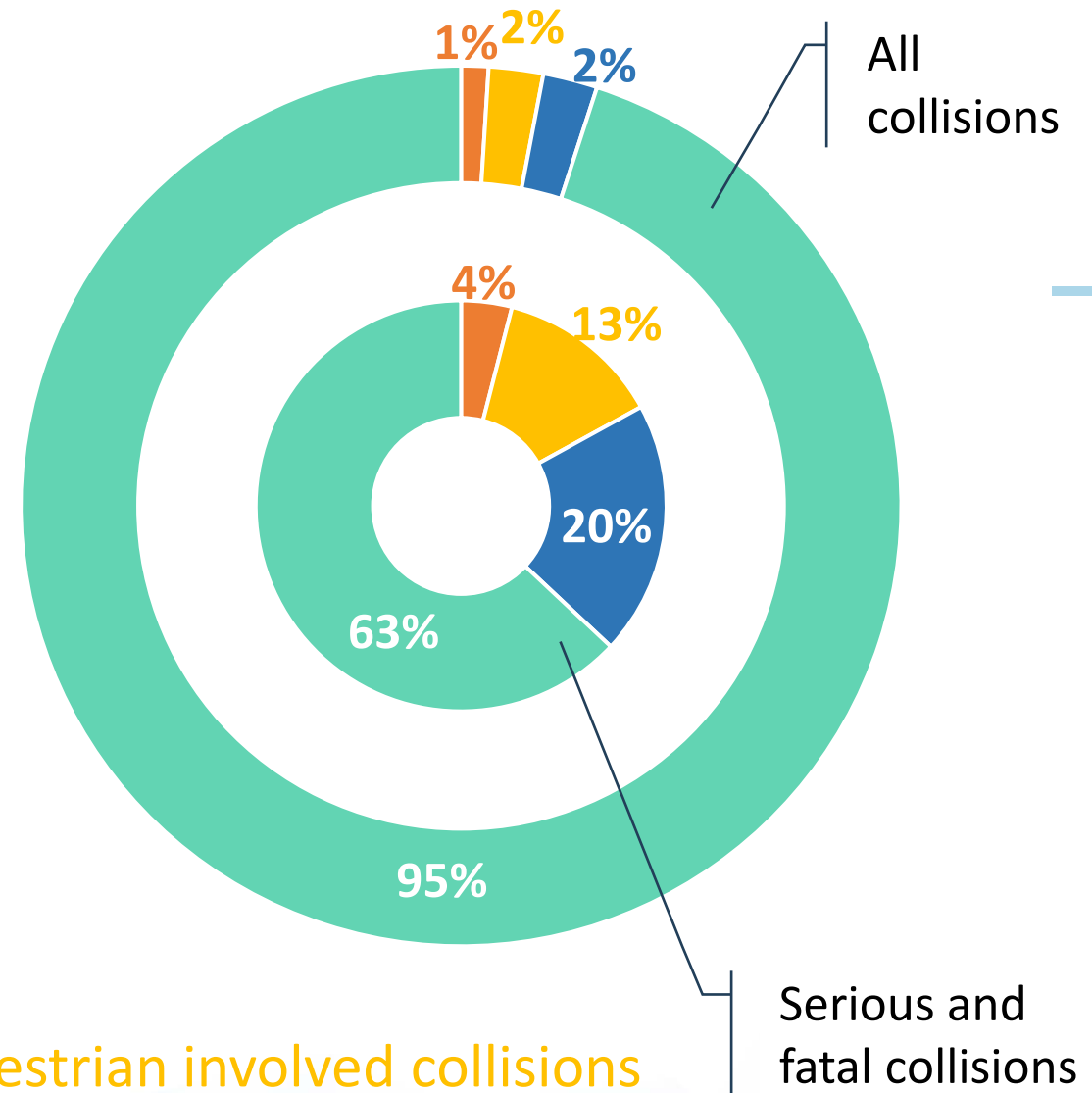
April 2022

Snohomish County
3000 Rockefeller Ave
Everett, WA 98201

FEHR & PEERS

High Injury Network (HIN) and Collision Profiles

High Injury Network	Urban	Rural
Total HIN length	51 miles	72 miles
Percentage of total road length	6.6%	3.3%
Percentage of KSI crashes on the HIN	57.3%	53.9%



Vehicle involved collisions



Motorcycle involved collisions



Pedestrian involved collisions



Bicycle involved collisions

Example Crash Countermeasures

- Road infrastructure
 - Pavement safety edge
 - Rumble strips
 - Roundabouts



Example Crash Countermeasures

- Bicycle and pedestrian infrastructure
 - Pedestrian level lighting
 - Flashing beacons and push buttons
 - Continuous sidewalk and bikeways



A new sidewalk was installed near Hilltop Elementary.



Example Crash Countermeasures

- Programs
 - Education and public awareness campaigns
 - DUI enforcement campaigns
- Policy
 - Enforcement cameras
 - Engineering design and development standards
 - Safe routes to school
 - Complete streets



Road Safety Plan Update

$\frac{S}{4} | \frac{S}{A}$ Safe Streets and Roads
for All (SS4A) Program

Safe Streets and Roads for All Grant (SS4A)

- \$250,000 federal grant
- \$50,000 local match

Road Safety Plan Update

- Community outreach and public feedback
- Equity considerations
- Prioritization framework
- Project list and timeline

Road Safety Program

- Implement the Safe System Approach
- Shared responsibility
 - Partner with other agencies and organizations
 - Leverage existing programs
- Speed management
- Data-driven, transparent and equitable decision-making
- Small gains countywide add up to significant safety improvement



Road Safety TIP Projects

- S Machias Rd/Dubuque Rd intersection improvements
- 128 St SW: 8 Ave W to Interurban Trail Multimodal Improvements
- Countywide Spot Safety Improvements
- Larch Way/Logan Rd and Locust Way intersection improvements



The 4-way stop at Larch Way/Logan Rd and Locust Way will be replaced with a roundabout this summer (2024).

Road Safety TIP Projects

- Road Safety Plan update
- Adaptive signal systems at SR 527, SR 96, 128th and Airport Rd
- 84th St NE and 163rd Ave NE intersection improvements
- 84th St NE corridor spot improvements



A roundabout is currently under construction at the 84th St NE and 163rd Ave NE intersection.

