

# Performance Improvement Committee

Statewide Trauma Advisory Council  
Wednesday, September 3, 2025



# Acronyms

- PI: Performance improvement
- PIPS: Performance improvement and patient safety
- STAC: Statewide Trauma Advisory Council
- TOPIC: Trauma Outcomes and Performance Improvement Course

# Agenda

- Call to Order and Introductions
- Review and approve June 2024 meeting minutes
- Hospital data reports
- Pediatric data dashboard and priority areas
- Adult data dashboard and priority areas
- Transfer delays
- Public comment related to the Wisconsin Trauma Care System

# Committee Members

- **Chair:** Thomas Bergmann, Aurora BayCare Hospital, Region 3, Level II
- **Vice Chair:** Kristin Braun, Children's Wisconsin, Region 7, Level I
- Committee Members:
  - ◆ **Ali Heiman**, Aurora Oshkosh, Region 6, Level III
  - ◆ **Tracy Schaetzl**, UnityPoint Health Meriter, Region 5, Level IV
  - ◆ **Thomas Ellison**, UW Health, Region 5, Level I
  - ◆ **Gina Brandl**, Marshfield Medical Center, Region 2, Level II

# Approval of Minutes

# Hospital Data Reports

# Feedback

- Are these useful?
- Importing facilities, timely submission will not be applicable.

Test Hospital Report Card

Report Level	Total Incidents	Total Adult Incidents	Total Pediatric Incidents	Total Transfers	Total Activated at Highest Level	Total Time to Transfer > 3 Hours with ISS > 15	Mortality Rate	Mean Time to Transfer with ISS > 15	Median Time to Transfer with ISS > 15	Mean ISS	Median ISS	Over Triage Rate	Under Triage Rate	Percent Timely Submission
Test Hospital	50	44	6	10	2	1	5%	209.0	209.0	5.2	4	4%	0%	88%
Southeast	2815	2656	159	497	195	29	2%	233.5	216.0	6.5	5	6%	1%	91%
Wisconsin	5144	4858	286	1269	381	69	2%	263.2	194.5	6.4	5	7%	1%	89%

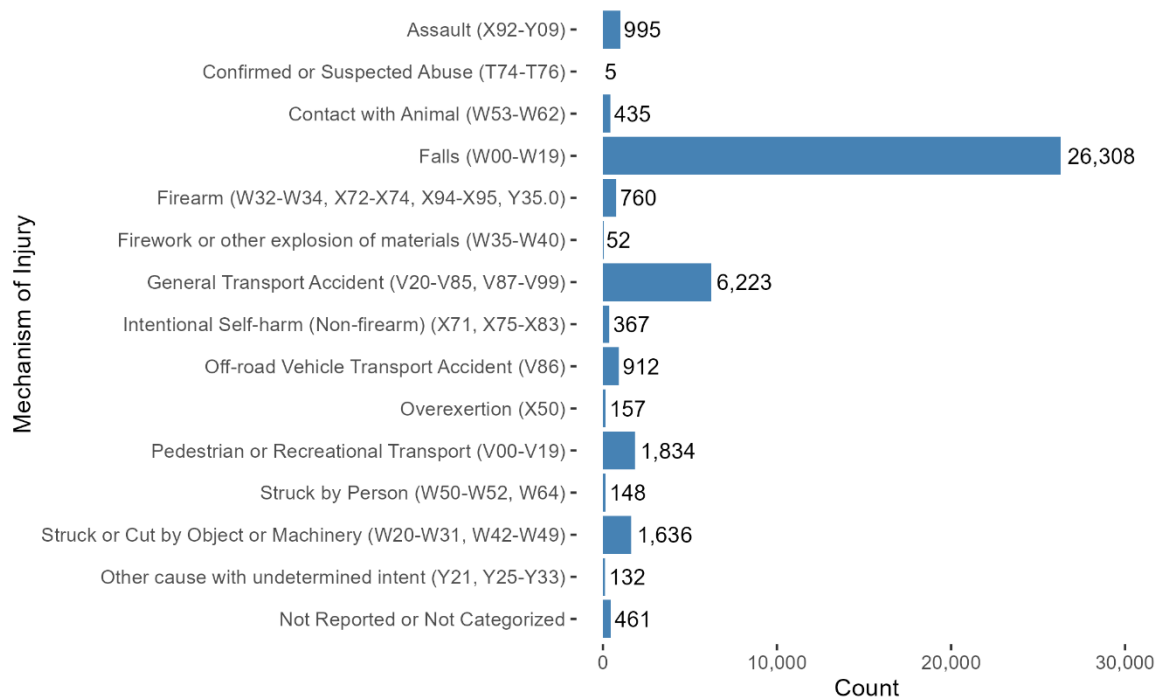
# Adult PI Dashboard



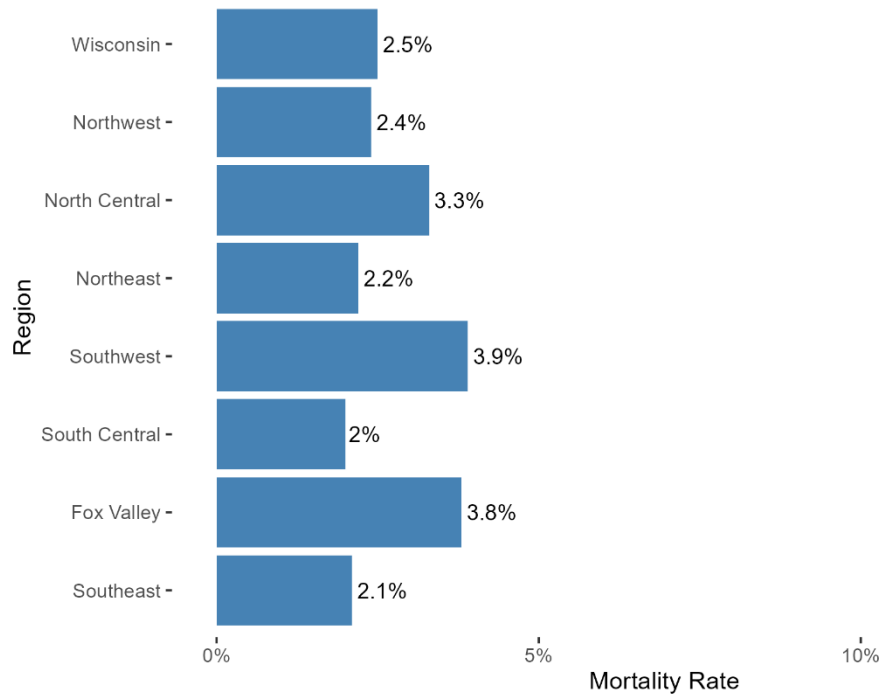
# Data

- July 2024-June 2025 trauma registry data used unless otherwise noted
- Pediatric dashboard references ages 17 and under

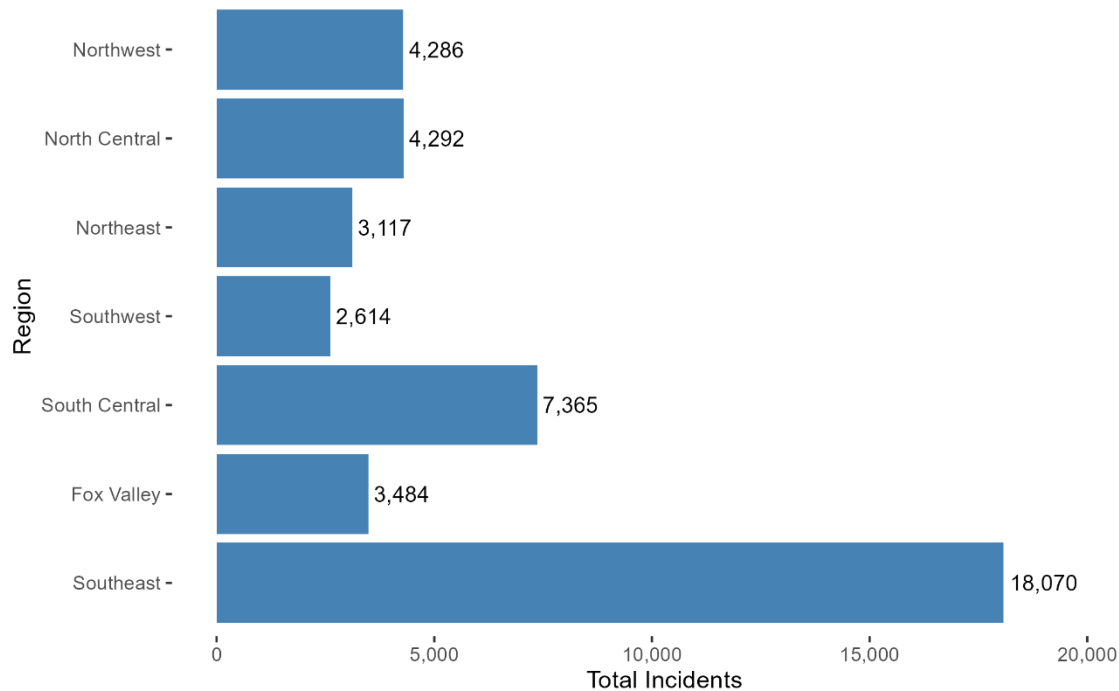
# Mechanism of Injury



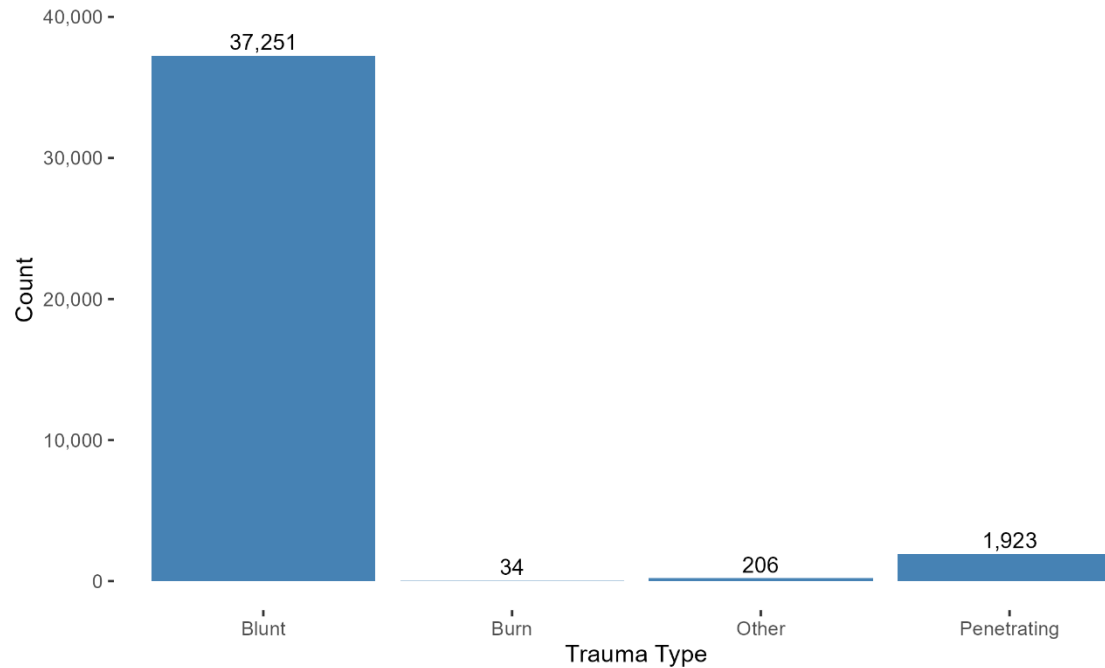
# Mortality Rate by Region



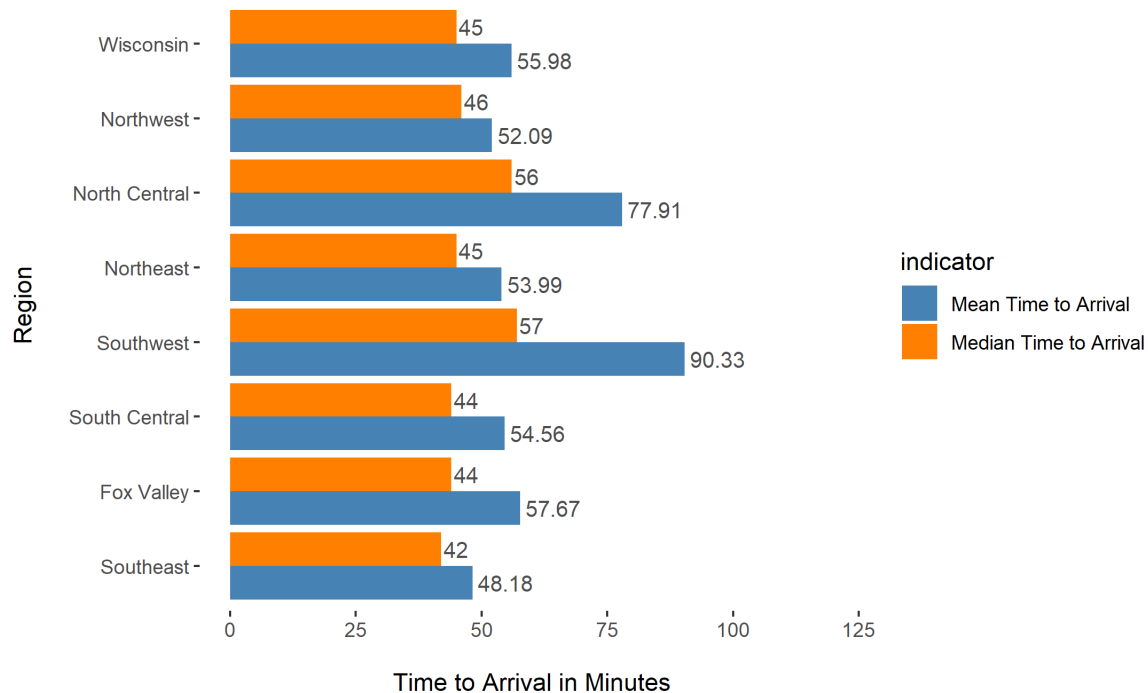
# Total Incidents by Region



# Trauma by Type

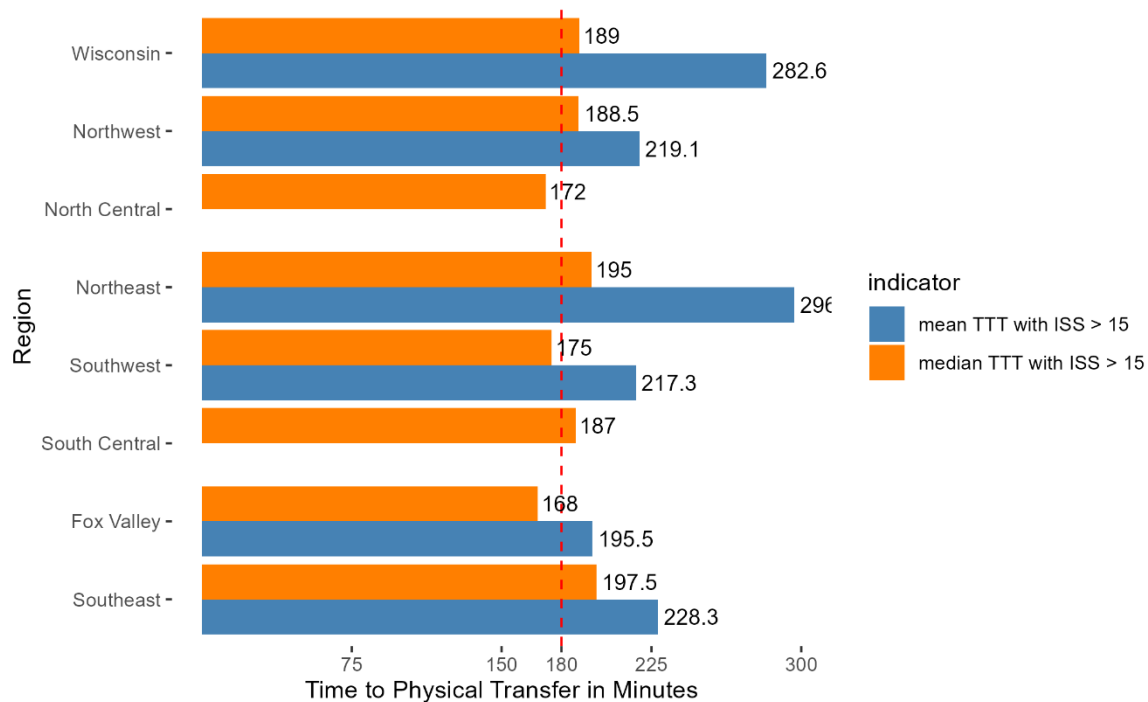


# Time to Arrival by Region



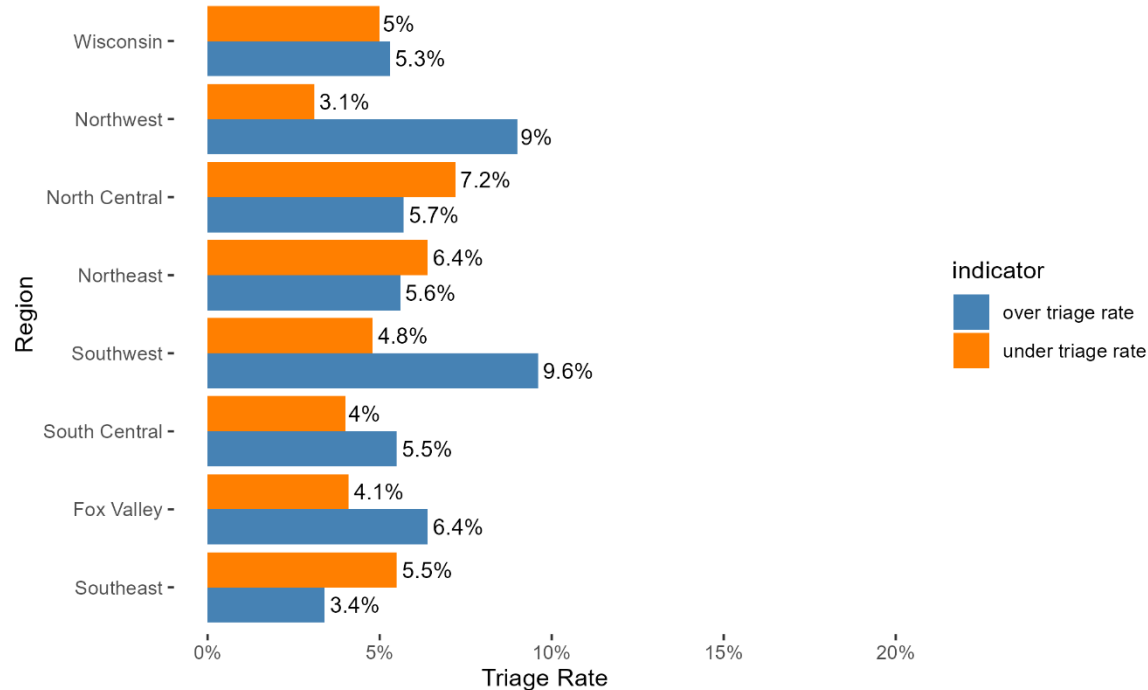
For discussion only

# Time to Transfer by Region



For discussion only

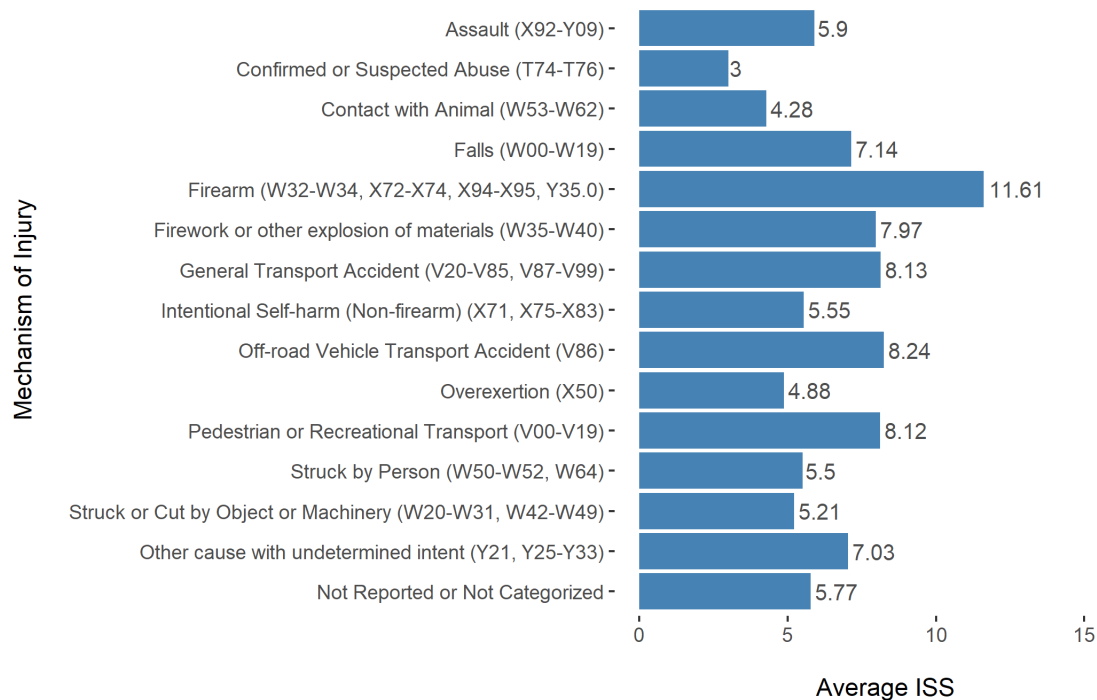
# Over- and Under- Triage by Region



For discussion only

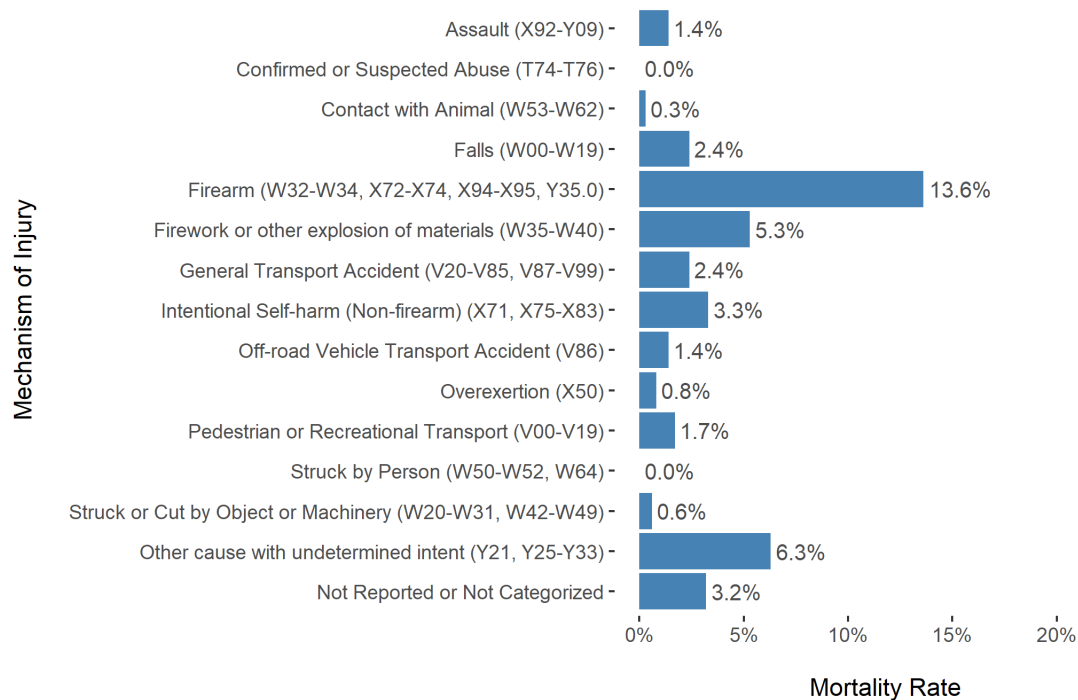


# Average ISS by Mechanism of Injury



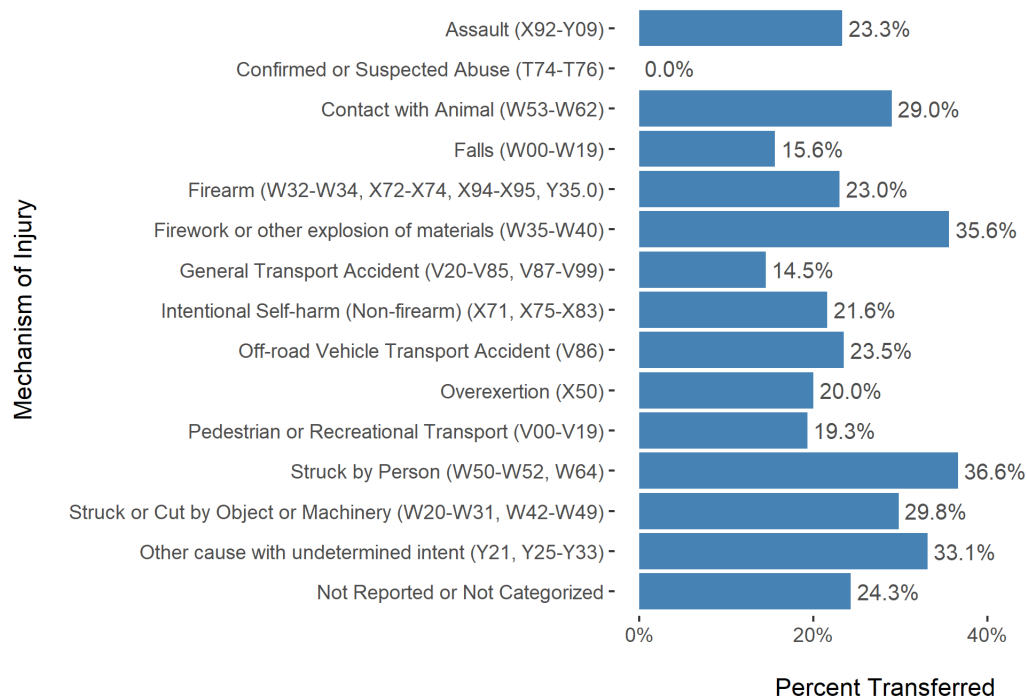
For discussion only

# Mortality Rate by Mechanism of Injury



For discussion only

# Percent Transferred by Mechanism of Injury



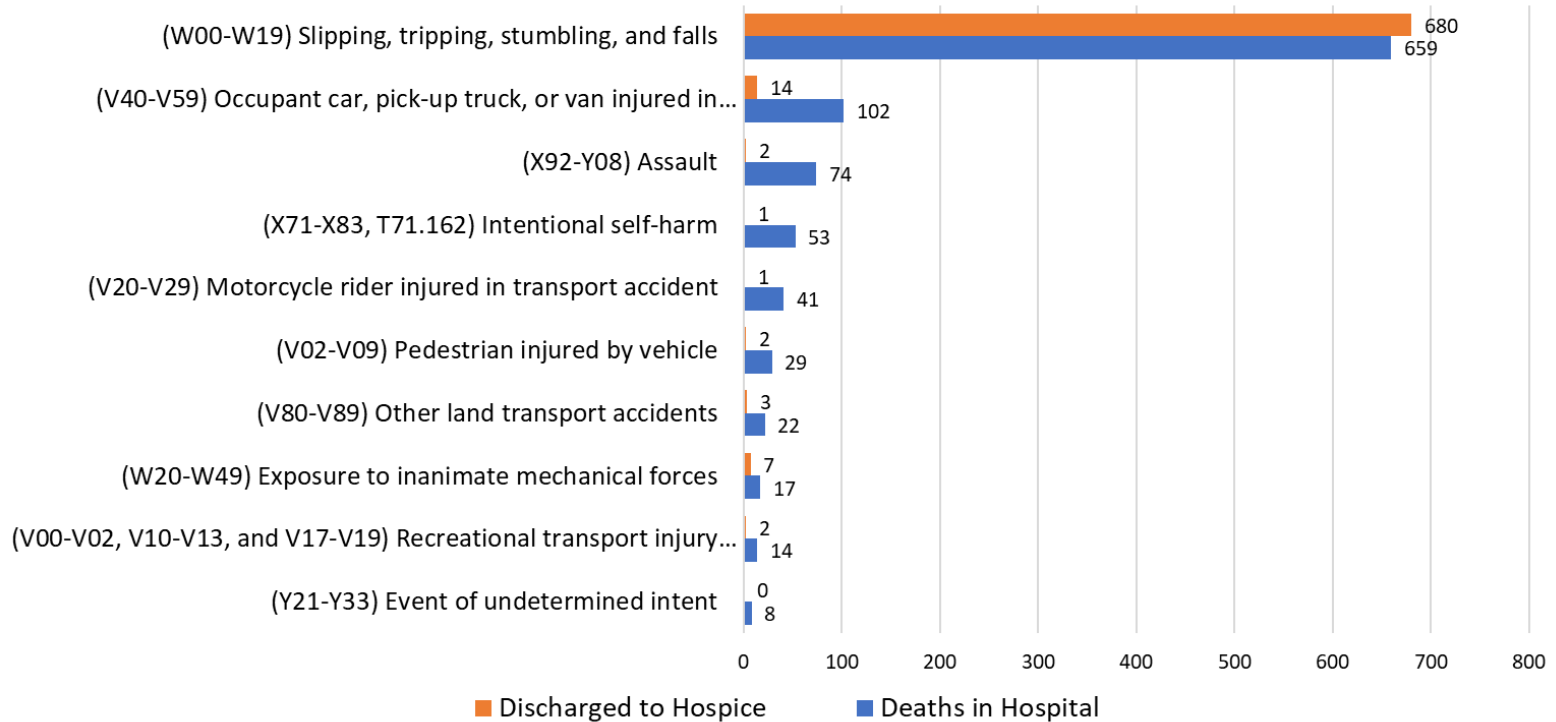
For discussion only

# Mortality for Top 10 Causes of Death in 2024

ICD-10 Code and Injury Category	Deaths in Hospital	Discharged to Hospice
(W00-W19) Slipping, tripping, stumbling, and falls	659	680
(V40-V59) Occupant car, pick-up truck, or van injured in transport accident	102	14
(X92-Y08) Assault	74	2
(X71-X83, T71.162) Intentional self-harm	53	1
(V20-V29) Motorcycle rider injured in transport accident	41	1
(V02-V09) Pedestrian injured by vehicle	29	2
(V80-V89) Other land transport accidents	22	3
(W20-W49) Exposure to inanimate mechanical forces	17	7
(V00-V02, V10-V13, and V17-V19) Recreational transport injury (bike, ski, skateboard, etc) not caused by a vehicle	14	2
(Y21-Y33) Event of undetermined intent	8	0

For discussion only

## In Hospital Mortality Versus Discharges to Hospice at Trauma Hospitals in 2024



For discussion only

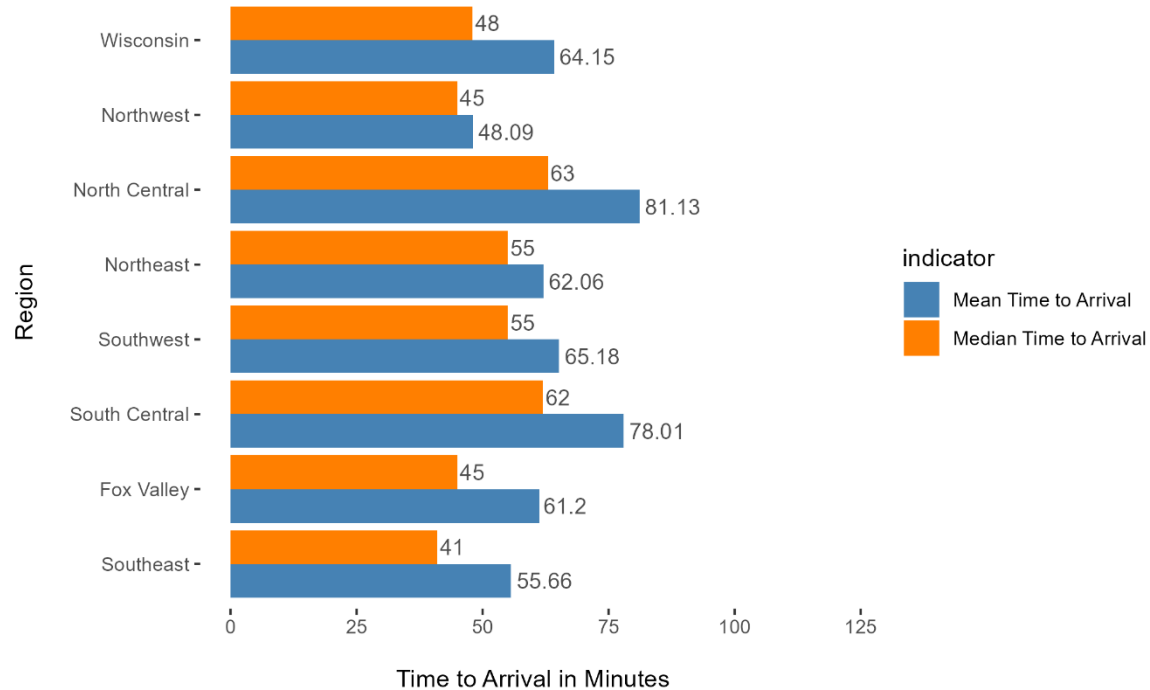
# Recommended Priority Area

Area	Reason	Potential Activities
Falls	High rate	
General Transport Accident	High rate	
Pedestrian and recreational Transport	Increasing rate	

# Pediatric PI Dashboard



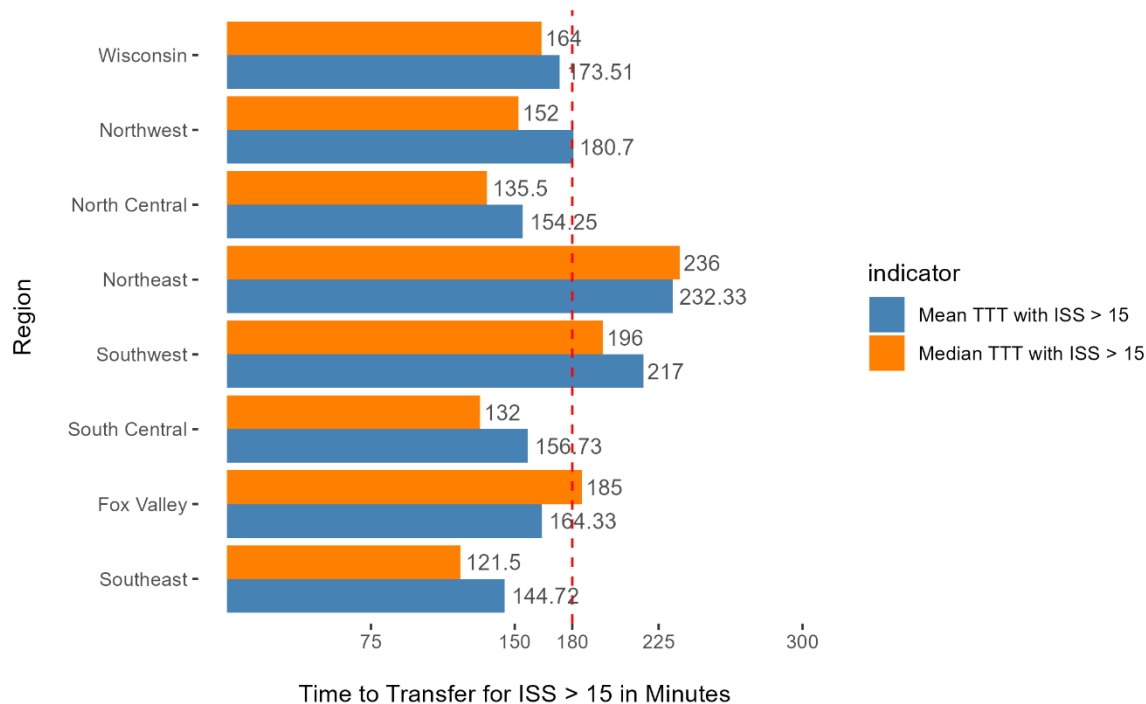
# Time to Arrival by Region



For discussion only

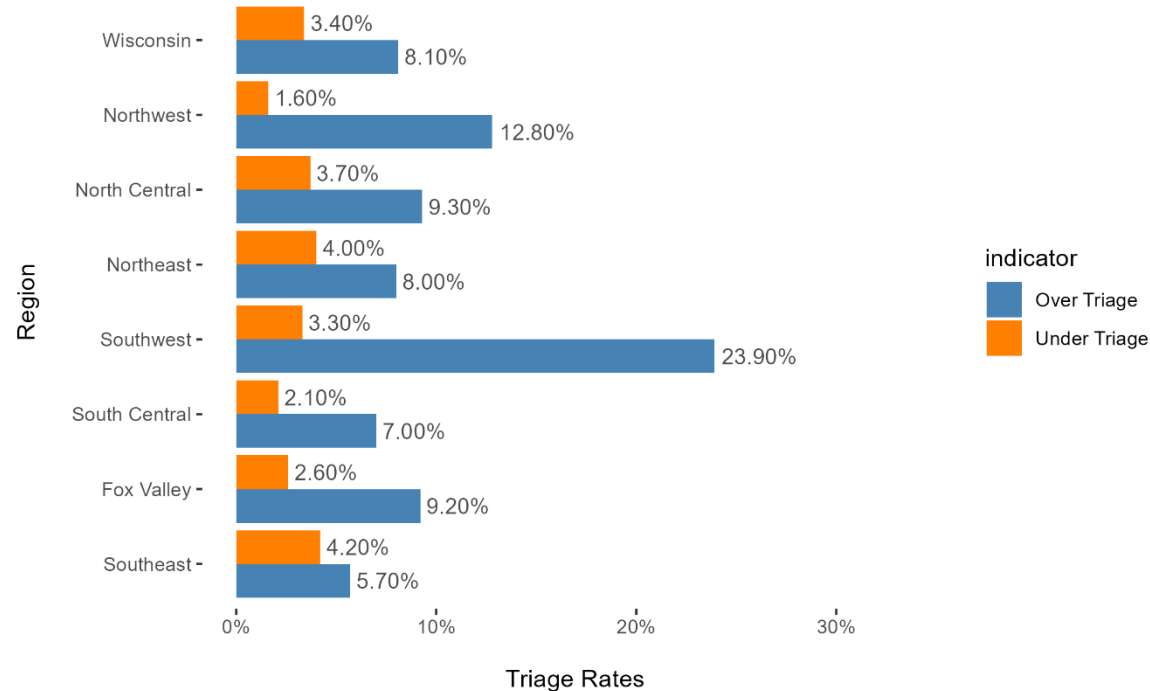


# Time to Transfer by Region



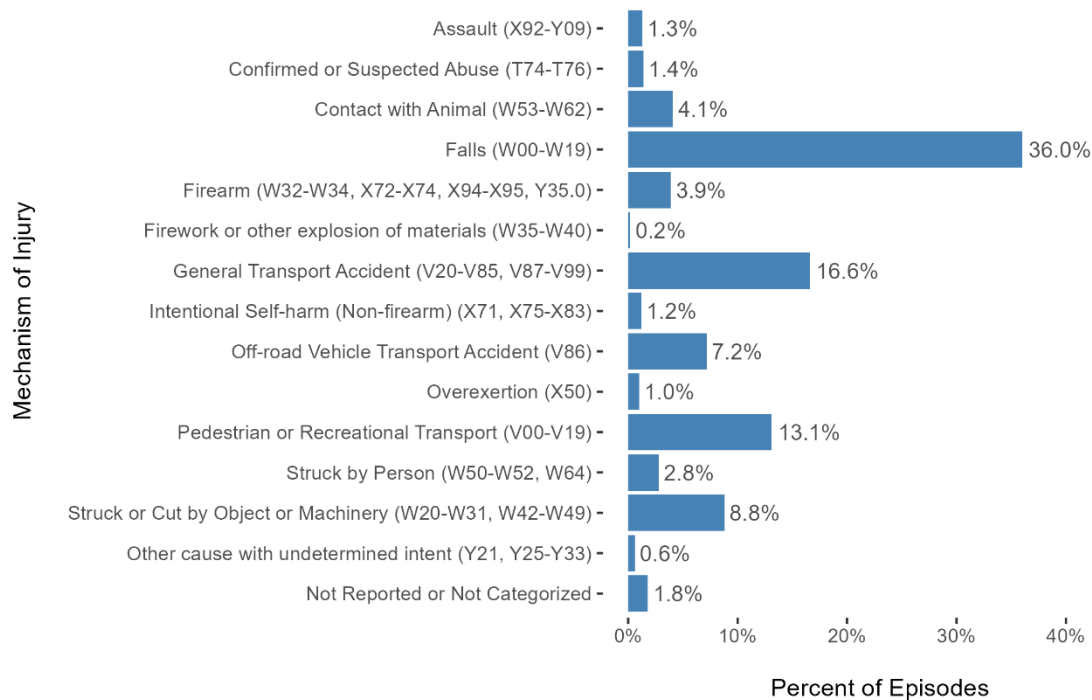
For discussion only

# Over- and Under- Triage by Region



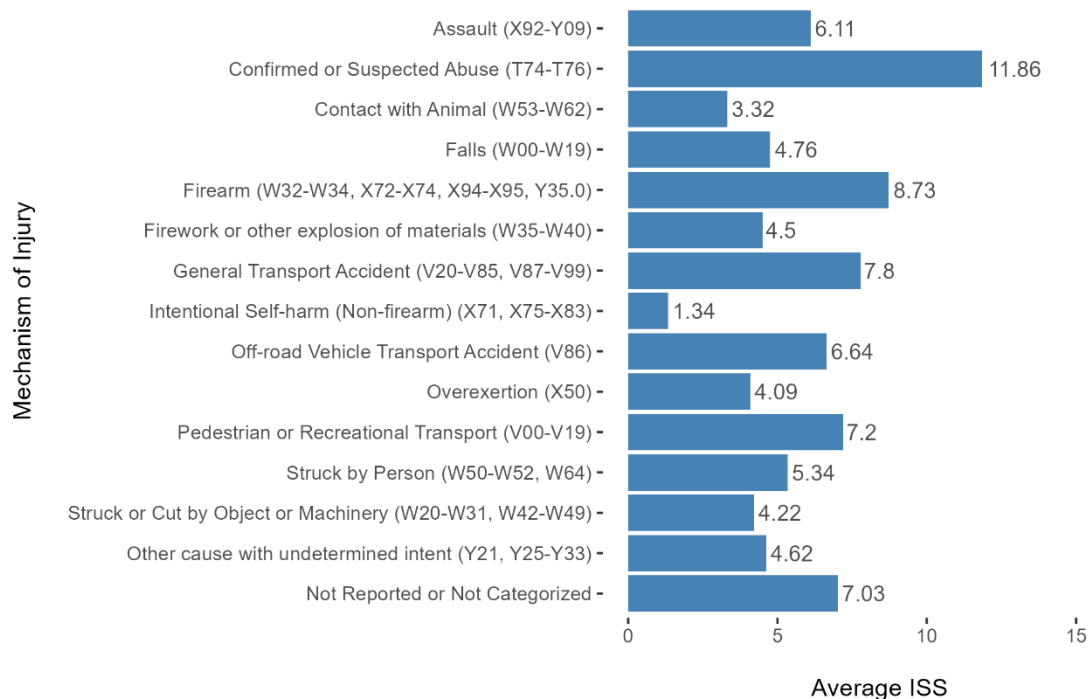
For discussion only

# Percent of Incidence by Mechanism of Injury



For discussion only

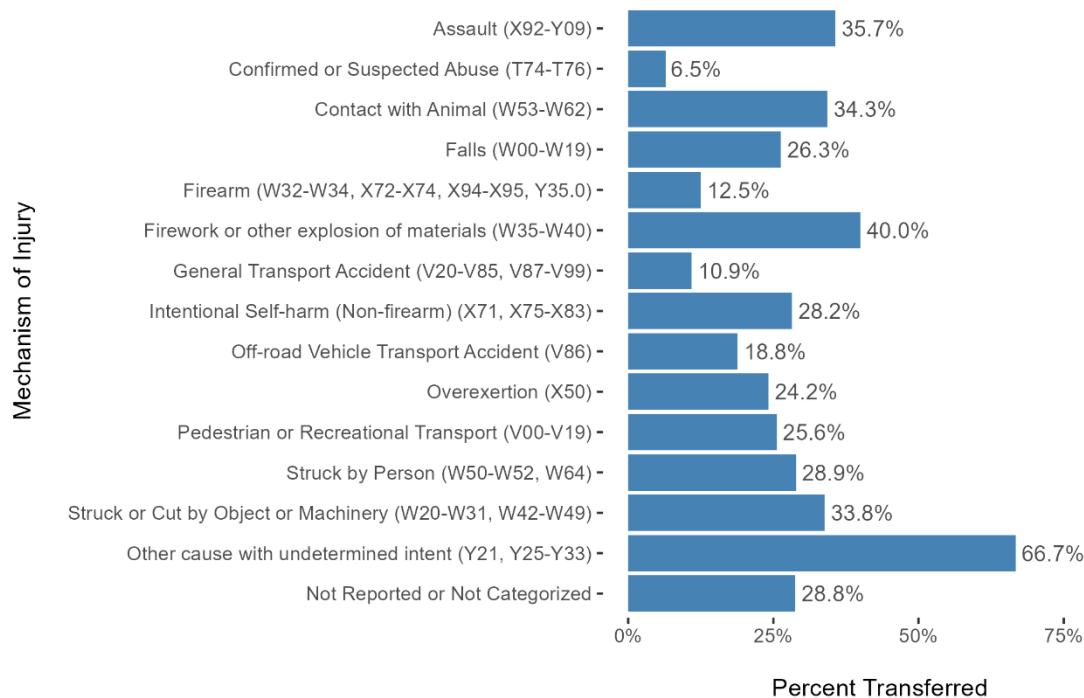
# Average ISS by Mechanism of Injury



For discussion only

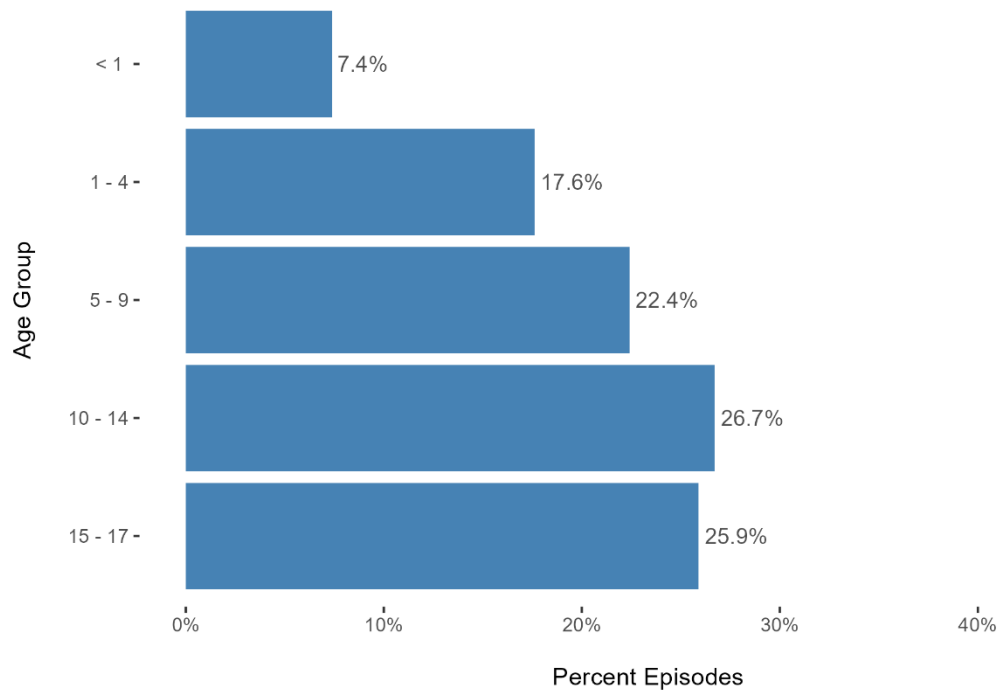
# Mortality Rate by Mechanism of Injury

# Percent Transferred by Mechanism of Injury

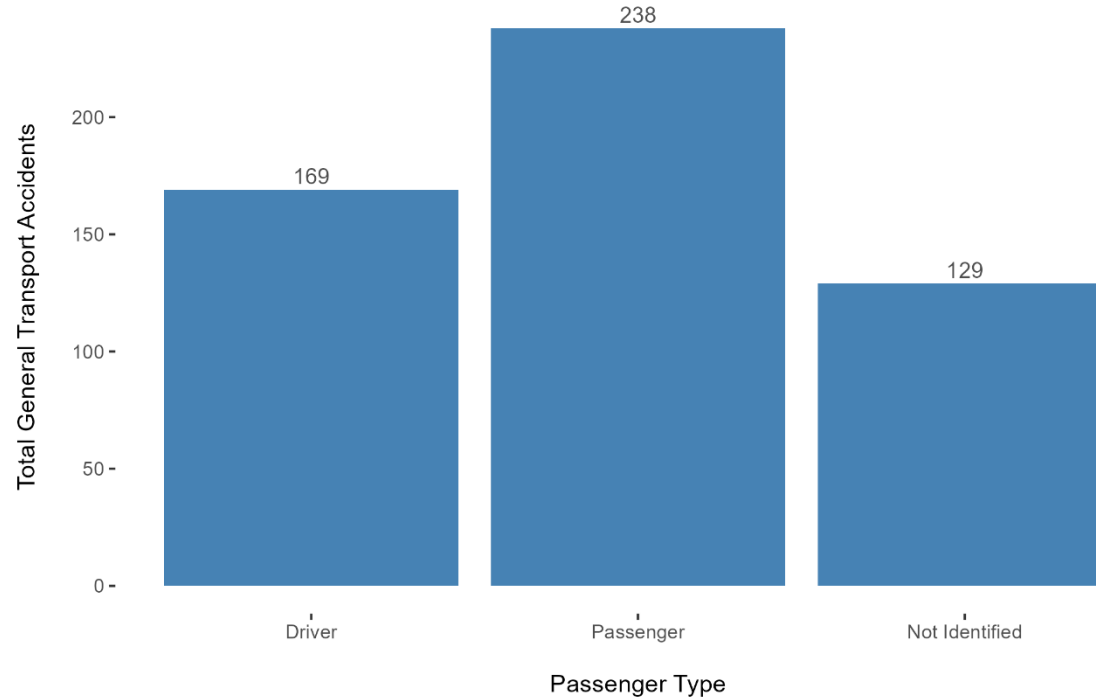


For discussion only

# All Incidents by Age Group



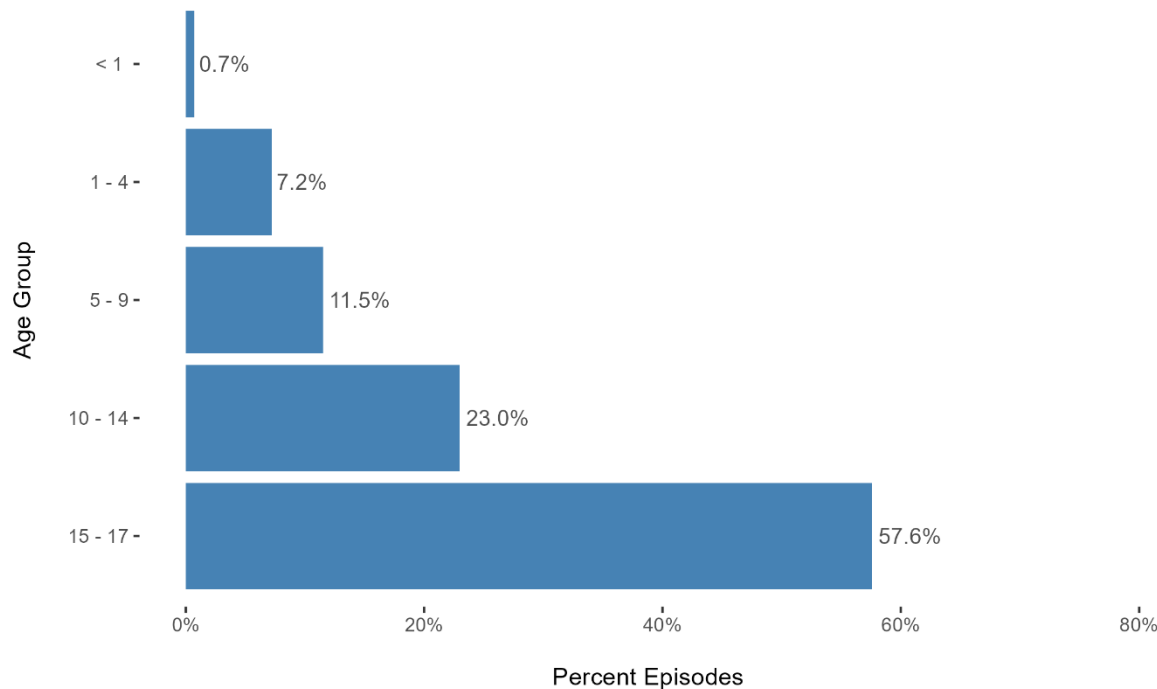
# Passenger Type by General Transport Accidents



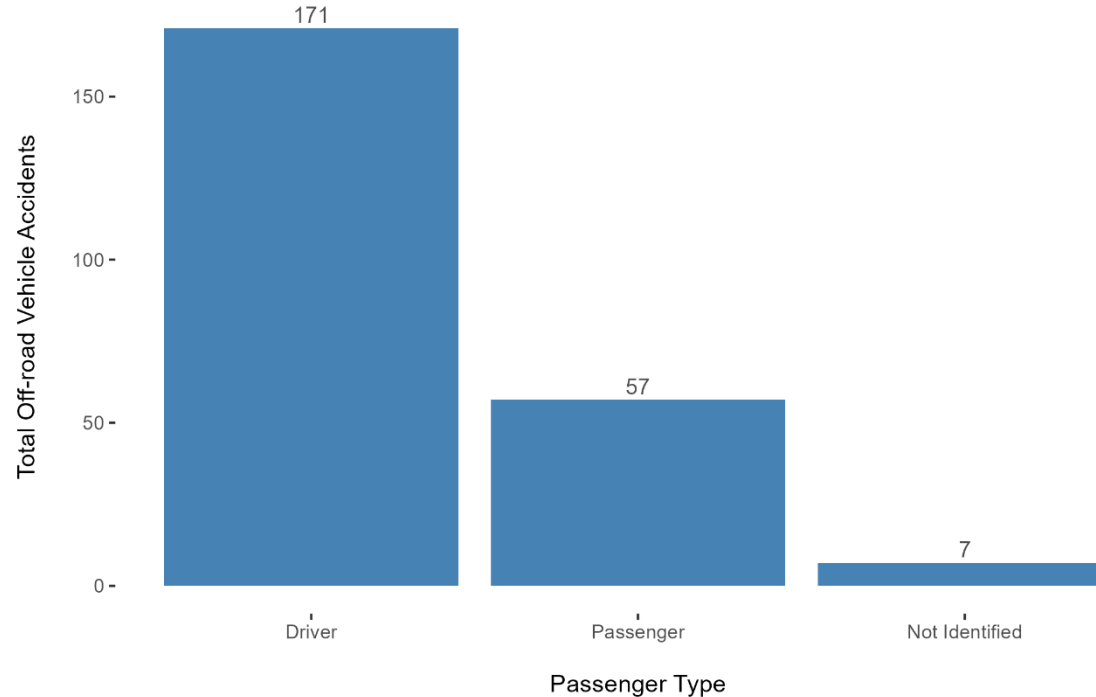
For discussion only



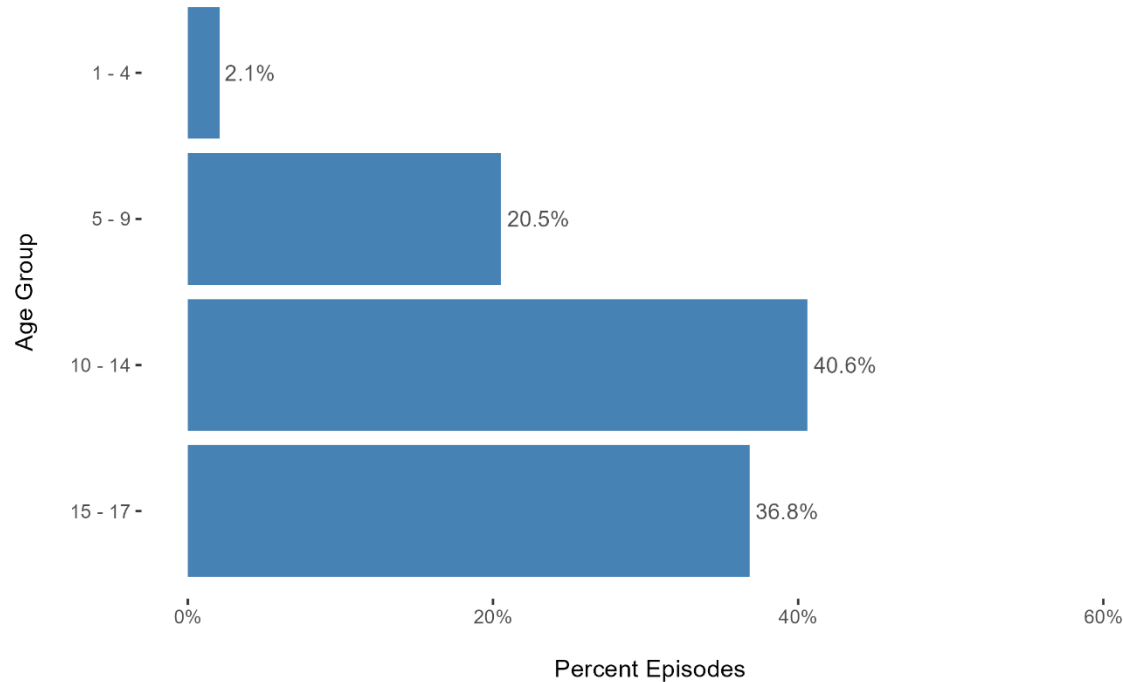
# Motor Vehicle Crash Injuries by Age Group



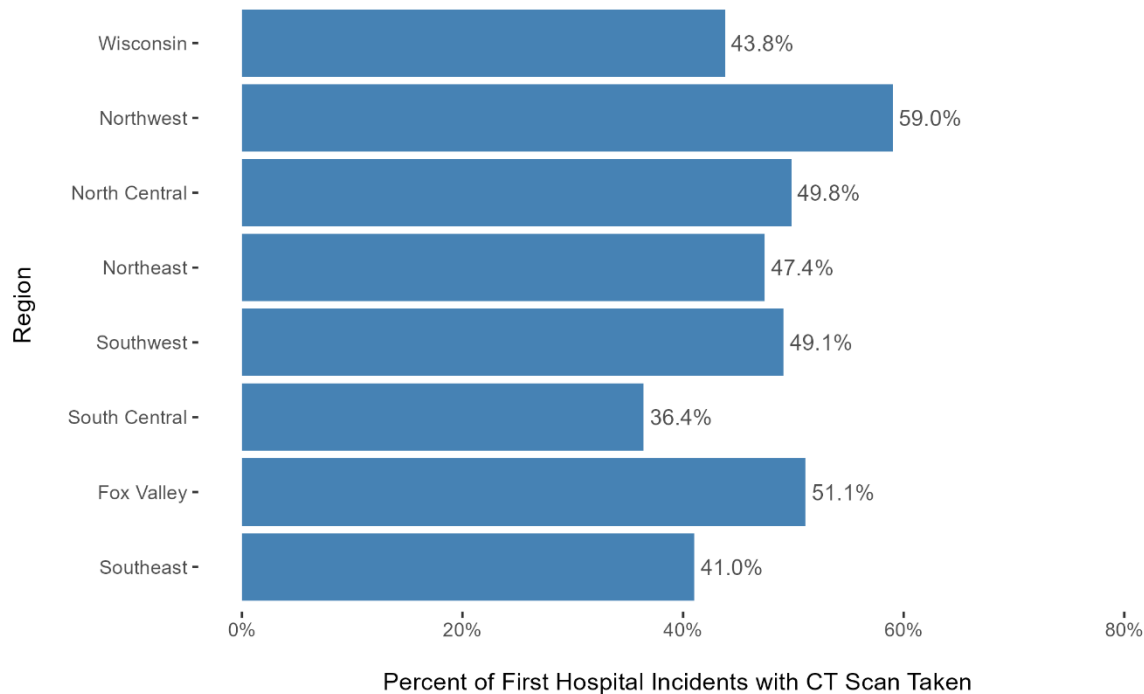
# Passenger Type for Off Road Vehicle Accidents



# Off Road Vehicle Injuries by Age Group



# Percent of First Hospital Incidents with CT Scan Taken



# Recommend Priority Areas

Area	Reason	Potential Activities
Percent with CT taken at first hospital	Most facilities are using the pediatric imaging guidelines.	Does this align with our goals? What is the goal?
Mortality not reported or categorized	Not as useable	Can this be reduced?
Pedestrian or recreational transport	Higher incidence and mortality	

# Transfer Delays



# ED LOS and Data Available

- ED LOS > 180 minutes and ISS > 15
- Door to decision time
- Decision to transfer ordered or accepted
- Decision to transfer time
- Door to transfer time
- Delay reason (trauma registry)

# ED LOS Opportunities

- When reviewing through your PI process, what do you find is the most common reasons for delay?
- What areas are in your span on control?
- What is the most useful metric for you to review and why?



# Public Comment Related to the Wisconsin Trauma Care System