



The goal of the Injury Prevention Priority Score (IPPS) analysis is to compare and rank injuries based on frequency of occurrence and severity of injury using trauma registry data. Injuries are typically evaluated by frequency or severity, but IPPS is a combined score that accounts for both. Frequency is based on the number of injuries and severity is based on Injury Severity Scores (ISS).

Injuries are categorized by mechanisms (what caused the trauma). Mechanisms are given scores (IPPS) and ranked by those scores. A larger IPPS value indicates that the injury mechanism should be prioritized.

Ranking injuries using IPPS can help agencies prioritize injuries that have the greatest burden and impact in a community. This is useful when resources are limited and a community needs to focus on specific injury prevention efforts.

IPPS Results Summary

- **Falls** were the **top priority** for injury prevention in Tarrant County **overall** (Table 1), as well as among those **aged 0 to 14 years** (Table 2) and those **aged 45 years and older** (Table 4)
- Injuries associated with being the **driver or passenger** in a **motor vehicle collision (MVT-Occupant)** were the **top priority** for injury prevention in Tarrant County among those **aged 15 to 44 years** (Table 3)
- Mechanisms of injury that ranked in the top ten **among all age groups** were: bites and stings, cut/pierce, fall, firearm, motor vehicle-related injuries, and struck by/against
- Mechanisms of injury that ranked in the top ten for specific age groups were:
 - 0 to 14 years** - child abuse, pedal cyclist, and hot object/substance
 - 15 to 44 years** - other land transport
 - 45 years and older** - pedal cyclist

More information on injury topics along with prevention and education resources can be found on the Tarrant County Public Health website [<https://www.tarrantcountytexas.gov/en/public-health/public-health-administration/health-data-and-information/injury-and-violence.html>]

Table 1. Injury mechanisms ranked by IPPS and frequency, all age groups (overall), Tarrant County reporting hospitals or trauma facilities, 2020-2024

Rank by IPPS	IPPS	Mechanism of Injury	Number	Rank by Frequency	Median ISS (Severity)
1	71.6	Fall	45,171	1	9.0
2	56.2	MVT-Pedestrian	972	8	12.0
3	54.3	MVT-Occupant	8,142	2	9.0
4	53.0	MVT-Motorcyclist	1,660	7	10.0
5	51.6	Firearm	2,367	4	9.0
6	49.7	Motor Vehicle-Nontraffic	2,185	5	8.0
7	43.9	Pedal Cyclist, Other	797	10	5.0
8	43.7	Struck by/Against	4,063	3	4.0
9	39.2	Cut/Pierce	1,998	6	2.0
10	36.9	Bites and Stings, Non-Venomous	889	9	1.0

MVT = Motor Vehicle Traffic; IPPS value is rounded to one decimal place, but IPPS ranking is based on three decimal places

Table 2. Injury mechanisms ranked by IPPS and frequency, ages 0 to 14 years, Tarrant County reporting hospitals or trauma facilities, 2020-2024

Rank by IPPS	IPPS	Mechanism of Injury	Number	Rank by Frequency	Median ISS (Severity)
1	68.9	Fall	3,921	1	4.0
2	57.9	MVT-Occupant	516	3	9.0
3	57.8	Other Specified, Child Abuse	149	7	10.0
4	55.3	Firearm	104	10	9.0
5	49.2	Struck by/Against	815	2	4.0
6	48.7	Motor Vehicle-Nontraffic	396	4	5.0
7	45.4	Pedal Cyclist, Other	215	6	4.0
8	40.0	Bites and Stings, Non-Venomous	378	5	1.0
9	38.5	Cut/Pierce	140	8	1.0
10	38.4	Hot Object/Substance	118	9	1.0

MVT = Motor Vehicle Traffic; IPPS value is rounded to one decimal place, but IPPS ranking is based on three decimal places

Table 3. Injury mechanisms ranked by IPPS and frequency, ages 15 to 44 years, Tarrant County reporting hospitals or trauma facilities, 2020-2024

Rank by IPPS	IPPS	Mechanism of Injury	Number	Rank by Frequency	Median ISS (Severity)
1	67.8	MVT-Occupant	4,339	1	9.0
2	56.5	Fall	3,624	2	5.0
3	55.6	Firearm	1,862	4	9.0
4	53.2	MVT-Motorcyclist	981	7	10.0
5	52.6	MVT-Pedestrian	467	8	11.0
6	51.9	Motor Vehicle-Nontraffic	1,112	6	9.0
7	46.3	Struck by/Against	1,965	3	4.0
8	45.7	Other Land Transport	267	9	8.0
9	38.6	Cut/Pierce	1,199	5	2.0
10	31.9	Bites and Stings, Non-Venomous	242	10	1.0

MVT = Motor Vehicle Traffic; IPPS value is rounded to one decimal place, but IPPS ranking is based on three decimal places

Table 4. Injury mechanisms ranked by IPPS and frequency, ages 45+ years, Tarrant County reporting hospitals or trauma facilities, 2020-2024

Rank by IPPS	IPPS	Mechanism of Injury	Number	Rank by Frequency	Median ISS (Severity)
1	70.8	Fall	37,570	1	9.0
2	57.2	MVT-Pedestrian	437	7	14.0
3	55.8	MVT-Motorcyclist	670	5	13.0
4	50.9	MVT-Occupant	3,284	2	9.0
5	49.3	Motor Vehicle-Nontraffic	674	4	9.0
6	49.2	Firearm	395	8	9.0
7	49.2	Pedal Cyclist, Other	382	9	9.0
8	43.3	Struck by/Against	1,279	3	5.0
9	38.1	Cut/Pierce	655	6	2.0
10	36.2	Bites and Stings, Non-Venomous	268	10	1.0

MVT = Motor Vehicle Traffic; IPPS value is rounded to one decimal place, but IPPS ranking is based on three decimal places