

# TSAC Meeting

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Wednesday, December 11, 2023

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# From the previous TUG discussions and updates

1. Items for TSAC approval
2. Sneak preview of the 2018-2022 Utah Traumatic Injury Report

# Changes in state specified cause code - 1

**EXP** – Injury happened in  
**explosion** will be  
reactivated in 2024

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# Changes in state specified cause code - 2

**STAB** – Accidentally or **intentionally** cut, sliced, stabbed, or pierced by an object (e.g., Cut by a knife, **self-harm cutting/slicing**, impaled by a pipe, shot by an arrow, etc.). Should be coded as "**Penetrating**" injury.

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# Changes in state specified cause code - 3

Electric Assisted Bikes  
(E-bikes) will be coded as  
**BIKE**.

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# Changes in state specified cause code - 4

MC includes standard motorcycles, dirt bikes, motocross, and **other motorcycles (e.g., Moped, Vespa, etc.)**

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# Changes in Transport mode

The mode of transport  
delivering the patient to your  
hospital

1. Ground Ambulance
2. Helicopter Ambulance
3. Fixed-wing Ambulance
4. Private/Public  
Vehicle/Walk-in
5. Police
6. Other

— **No more subcategories  
(commercial ride, etc.)**

# Addition to state trauma data export

**Add Trauma Activation  
(Yes/No) field**

**(This is a NTDB required  
field which is currently not  
included in the state data  
set)**

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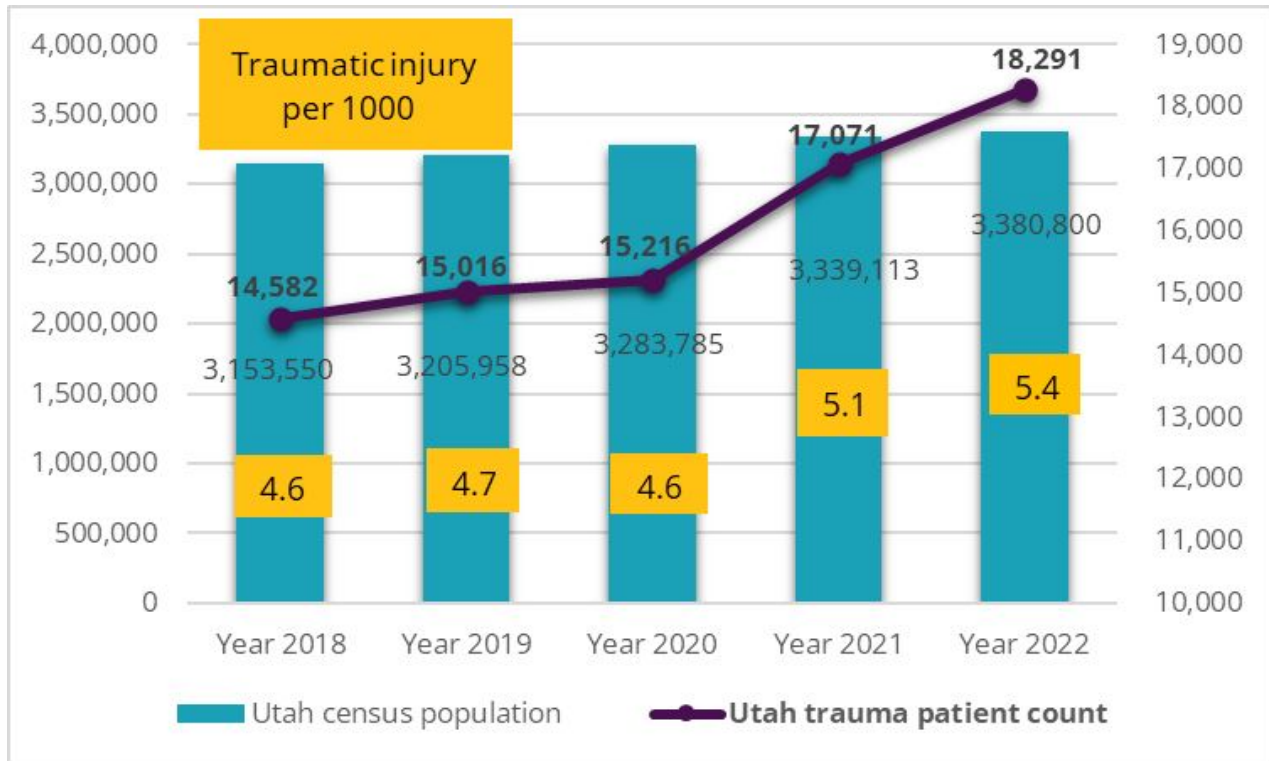
**A new addition to  
state required  
Trauma Registry  
fields- Medical  
admission**

- **Primarily admitted for reasons other than trauma (e.g., sepsis) with minor injury (e.g., cuts stitched)**
  - **Yes/ No field**
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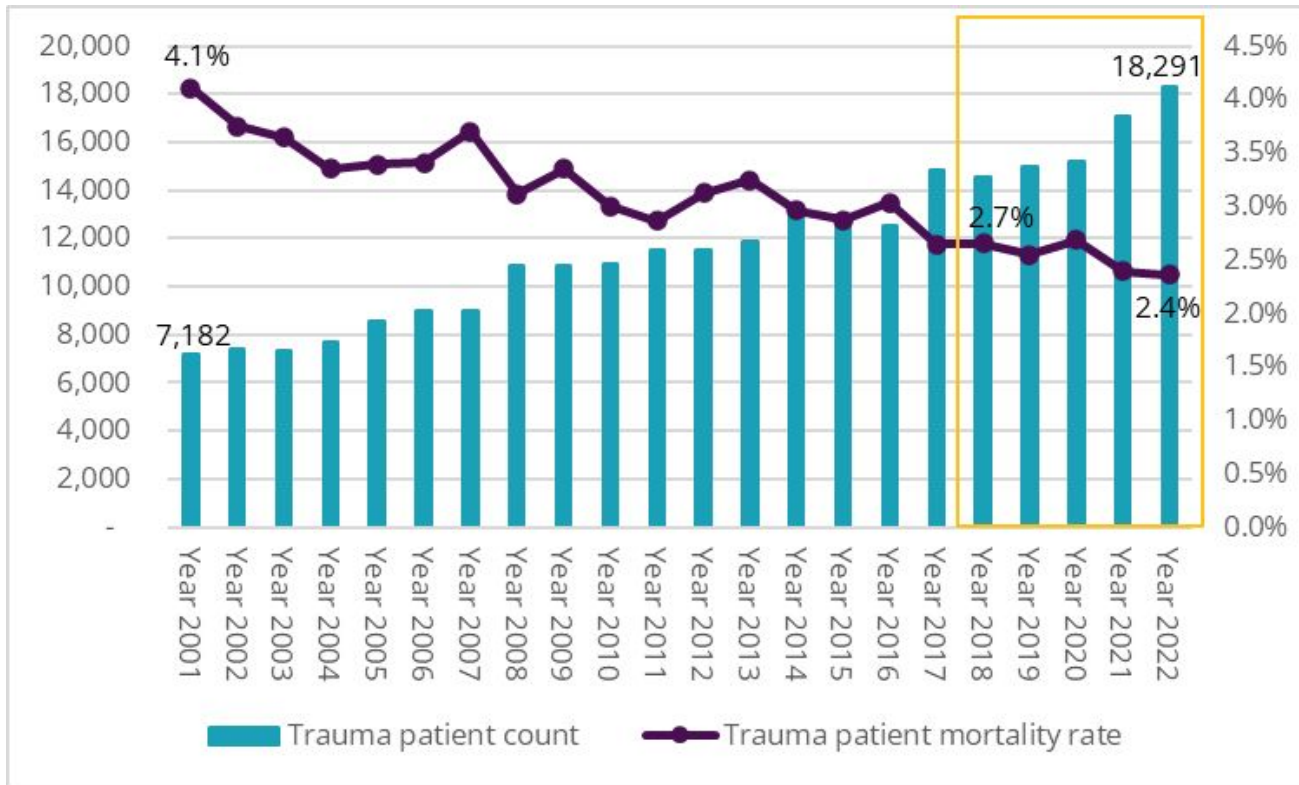
# **Make State Export data as close as NTDB**

**Export all the available  
NTDB fields to State data  
set.**

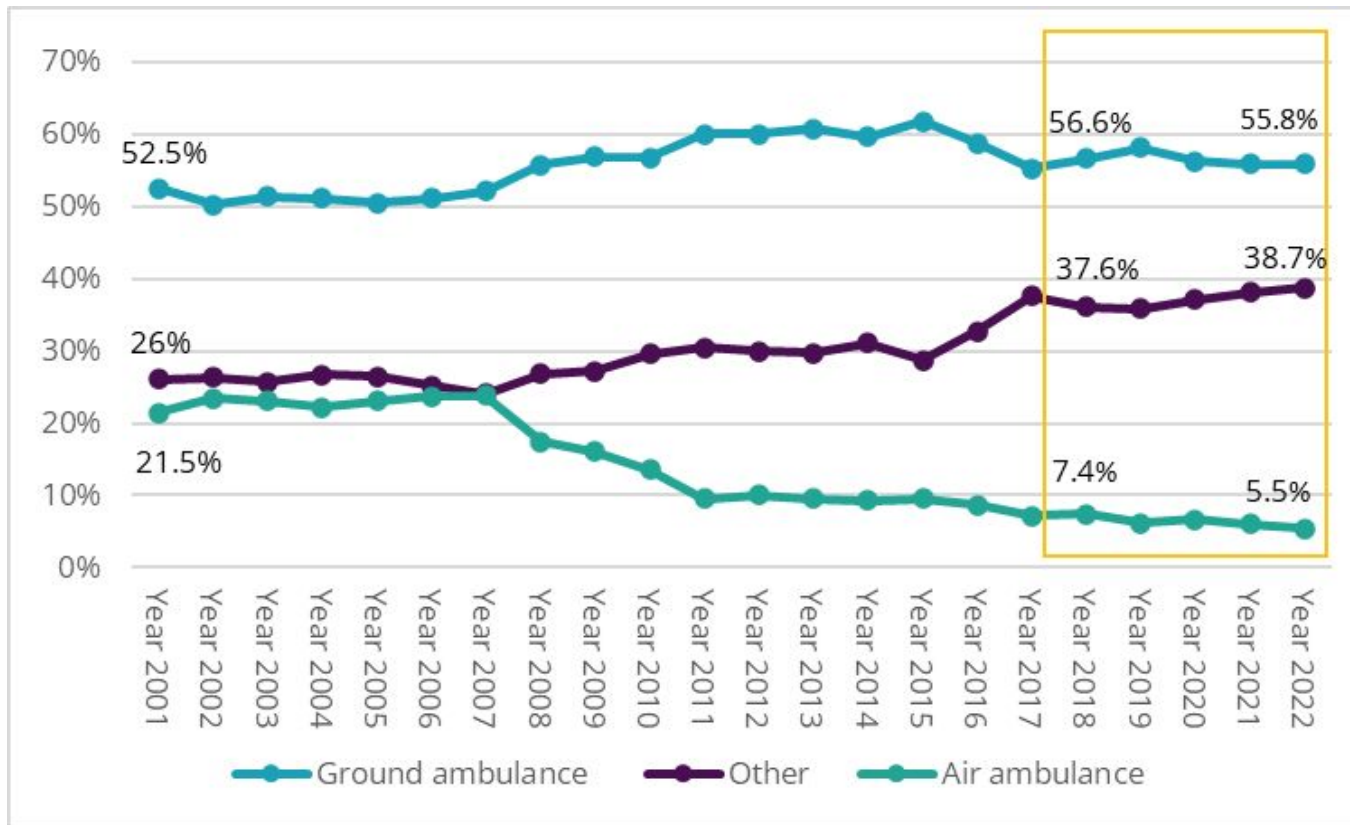
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**Overall injury per capita went up between 2018 and 2022**

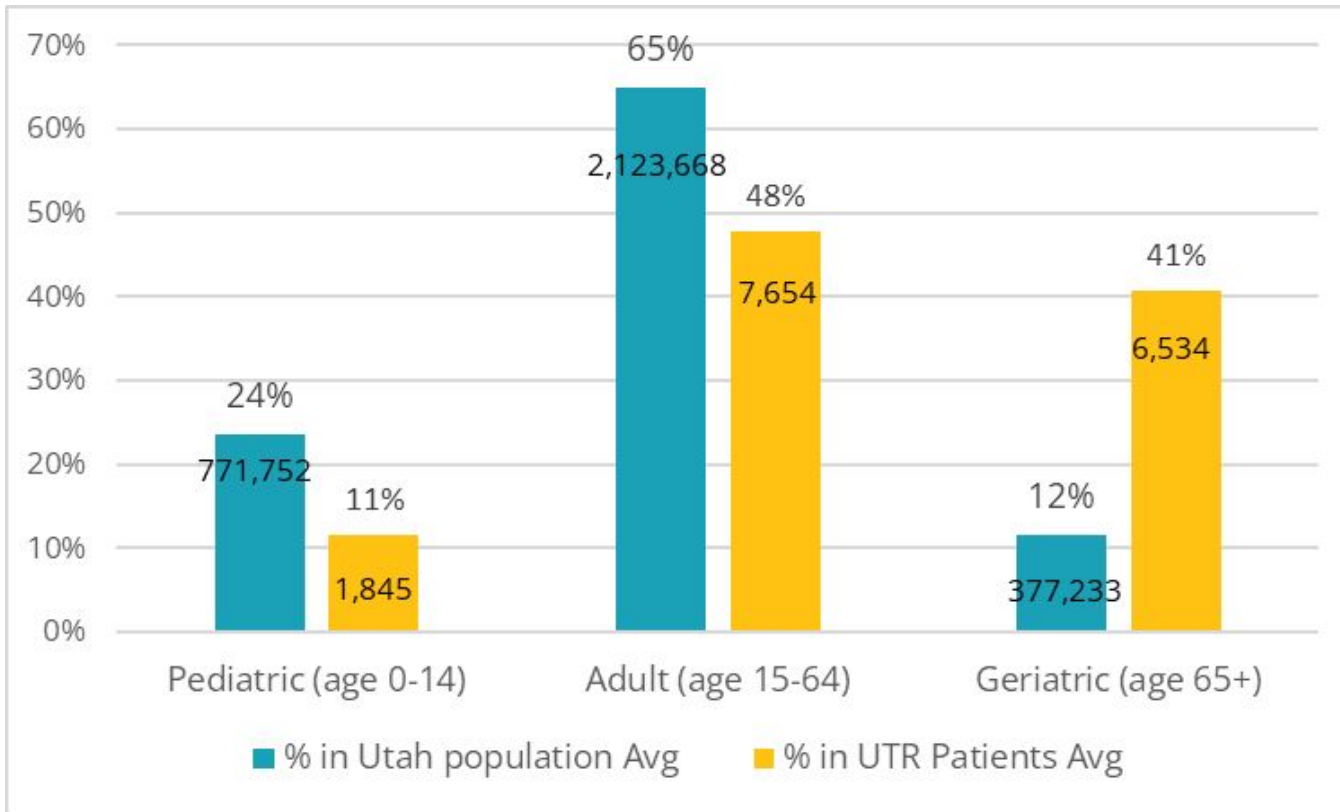


**Overall mortality rate were decreasing**



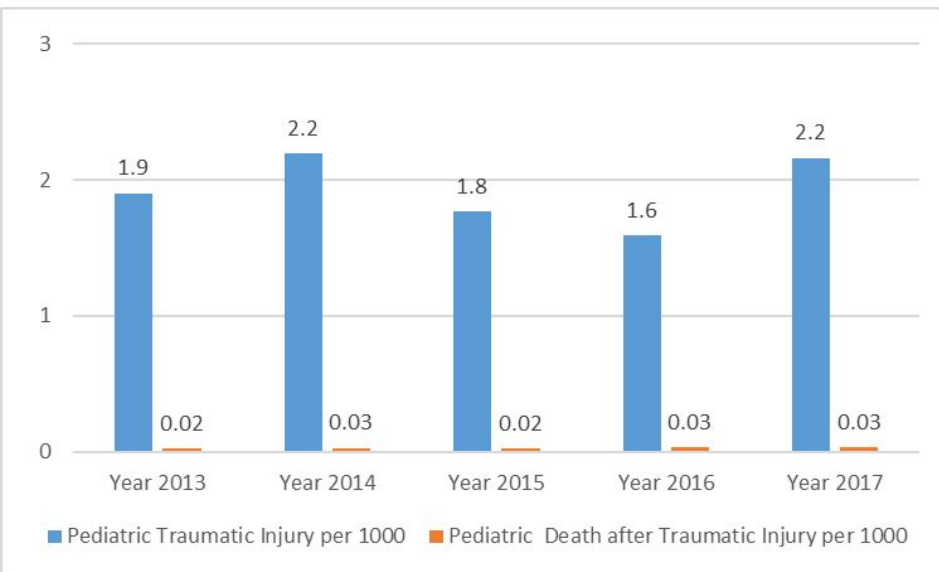
**More people are arriving to ED via other means than ground or air ambulances**



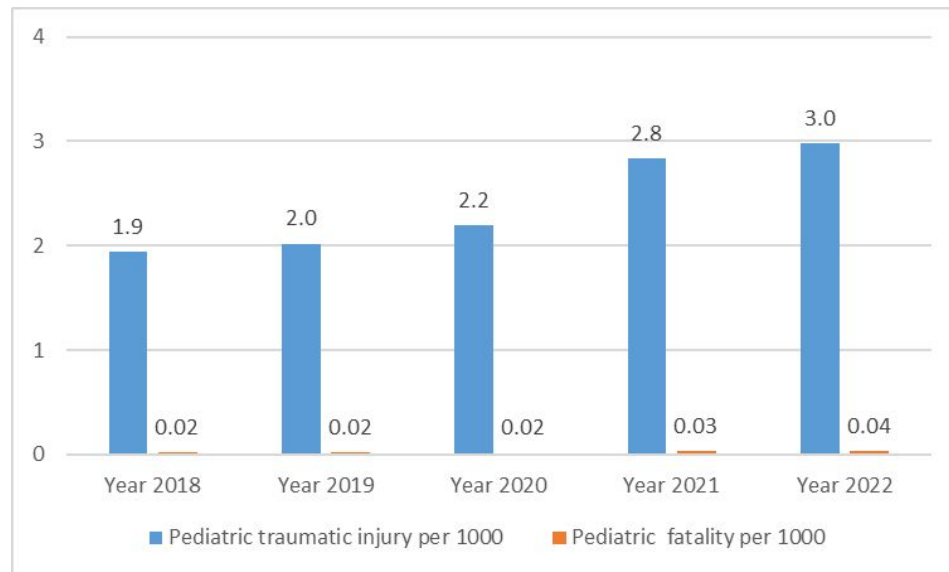


## 2018-2022 Trauma patients by age group

## 2013 - 2017

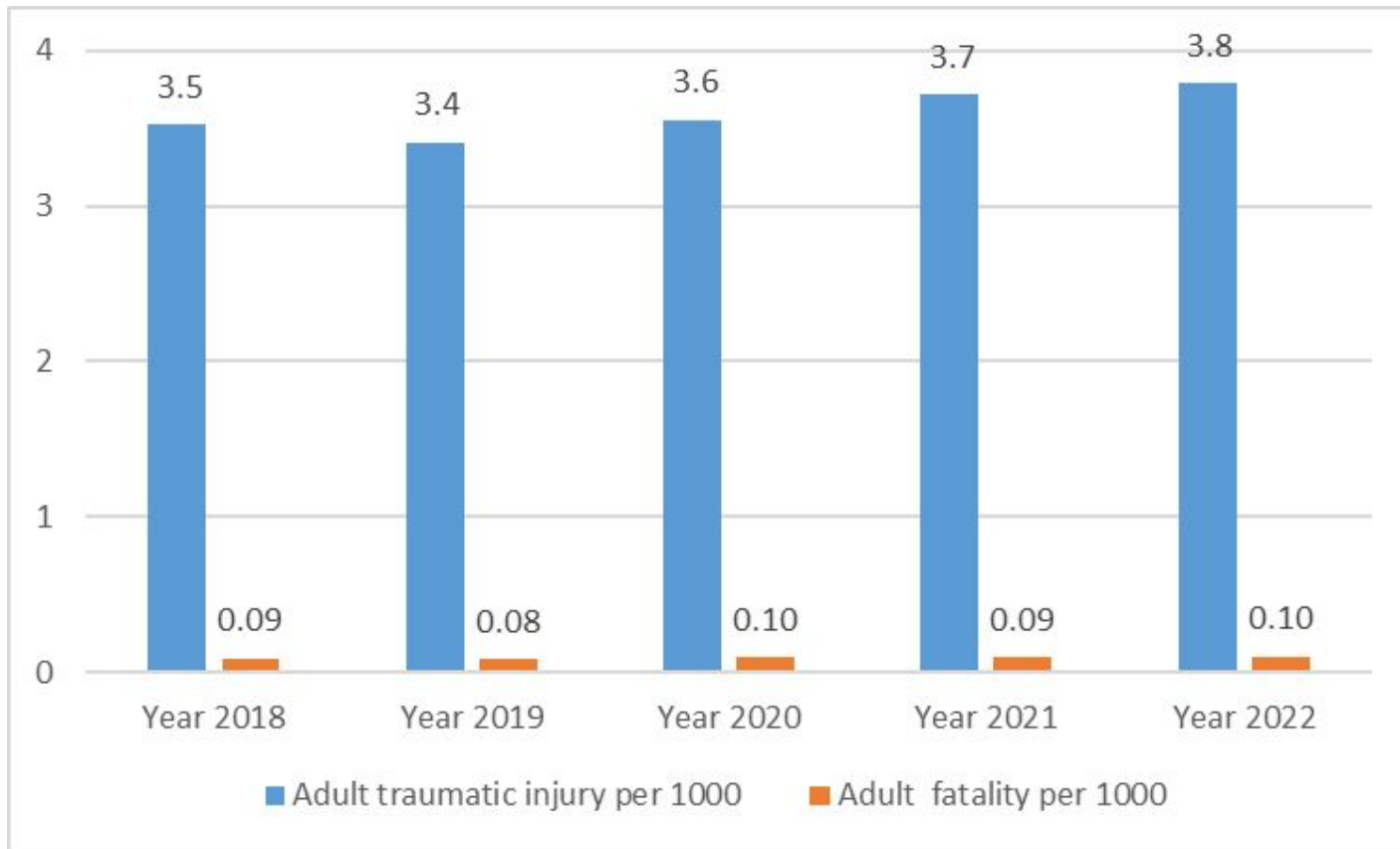


## 2018 - 2022

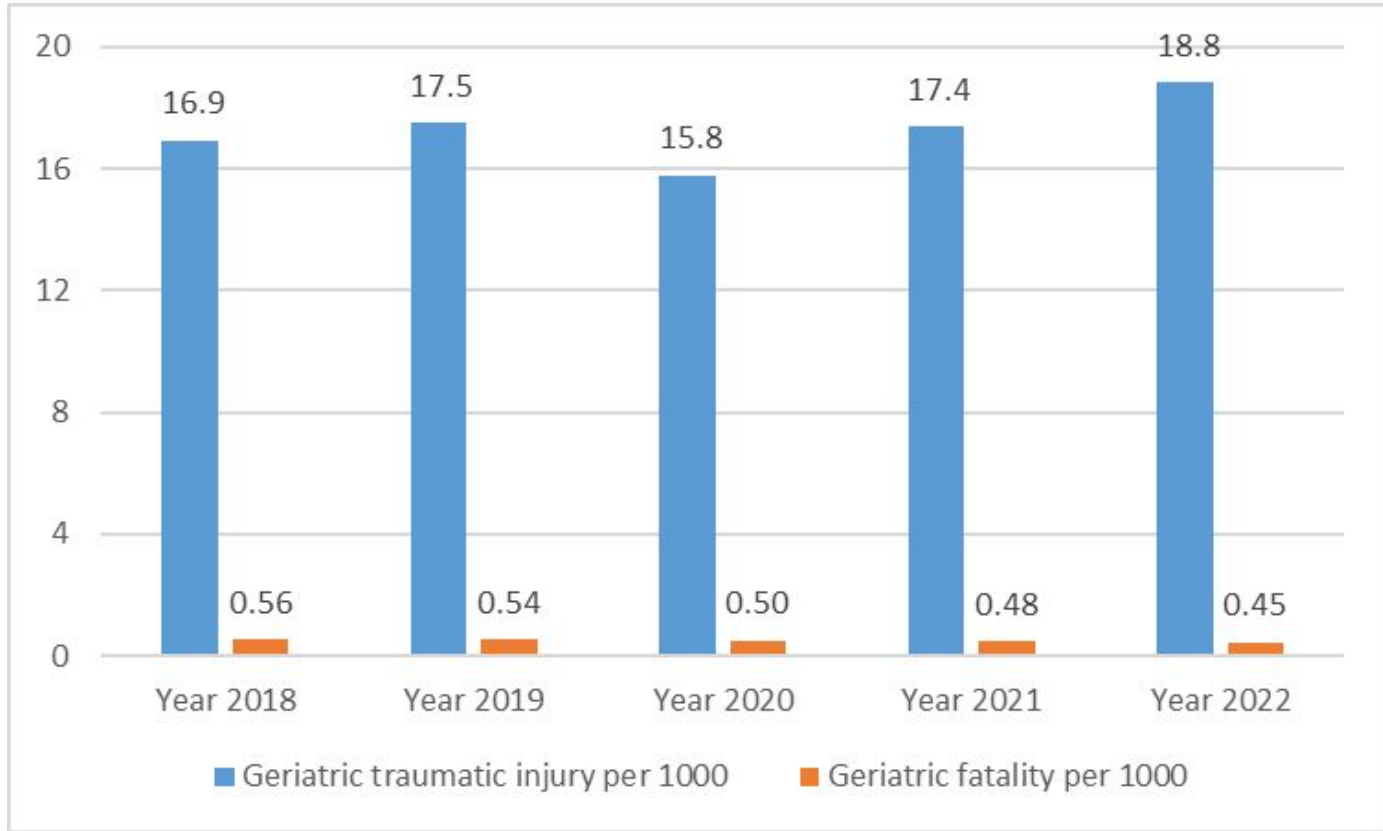


**Pediatric injuries per capita and fatality rate increased between 2018 and 2022**





**Adult injuries per capita increased but fatality rate are relatively unchanged**



**Geriatric injuries per capita increased but fatality rate decreased between 2018 and 2022**

## 2013-2017

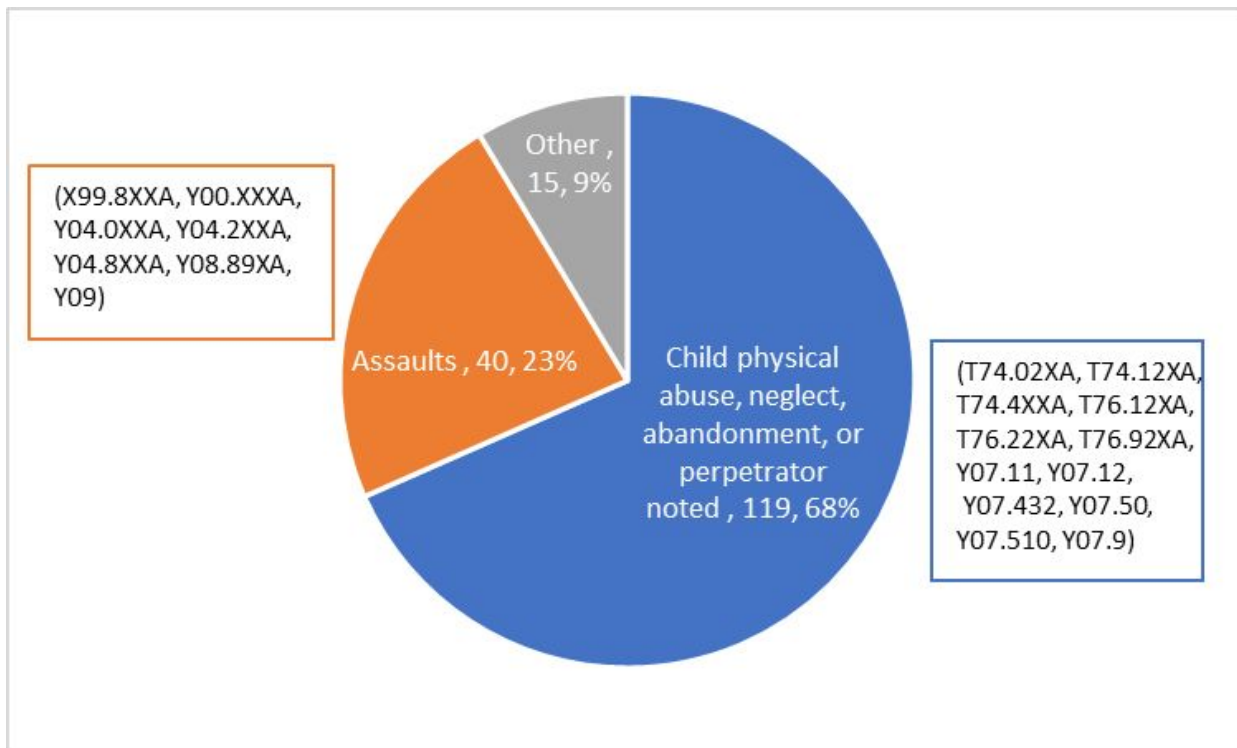
Ranking	Cause	Outcome	Count	%	Total
1	GSW	Alive	70	87.5%	80
		Dead	10	12.5%	
2	PED	Alive	284	91.0%	312
		Dead	28	9.0%	
3	ASSAULT	Alive	212	92.2%	230
		Dead	18	7.8%	
4	MV	Alive	527	96.0%	549
		Dead	22	4.0%	
5	MACHINE	Alive	34	97.1%	35
		Dead	1	2.9%	
6	OV	Alive	392	98.5%	398
		Dead	6	1.5%	
7	MC	Alive	141	98.6%	143
		Dead	2	1.4%	
8	STRUCK	Alive	455	99.1%	459
		Dead	4	0.9%	
9	ANIMAL	Alive	242	99.2%	244
		Dead	2	0.8%	
10	BIKE	Alive	460	99.6%	462
		Dead	2	0.4%	

## 2018-2022

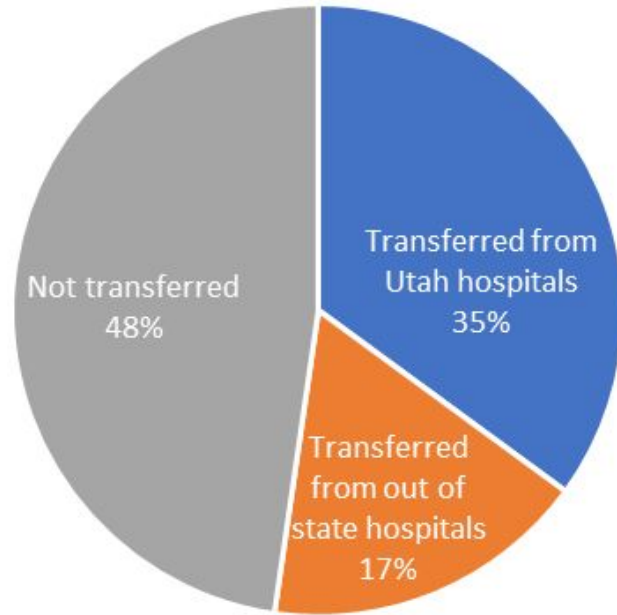
Ranking	Cause	Outcome	Count	%	Total
1	GSW	Alive	54	87.1%	62
		Dead	8	12.9%	
2	ASSAULT	Alive	159	91.4%	174
		Dead	15	8.6%	
3	PED	Alive	262	95.3%	275
		Dead	13	4.7%	
4	MV	Alive	535	95.9%	558
		Dead	23	4.1%	
5	STAB	Alive	88	96.7%	91
		Dead	3	3.3%	
6	OV	Alive	534	98.2%	544
		Dead	10	1.8%	
7	CAUGHT	Alive	139	98.6%	141
		Dead	2	1.4%	
8	STRUCK	Alive	661	99.1%	667
		Dead	6	0.9%	
9	MC	Alive	267	99.3%	269
		Dead	2	0.7%	
10	BIKE	Alive	610	99.5%	613
		Dead	3	0.5%	



**Pediatric most lethal injury ranking: 2013-2017 vs. 2018-2022**  
**(NTDB abuse reporting fields were retired in 2020)**



**Ninety-one percent of all assault cases had abuse or assault related ICD10 E-codes**



**Seventeen-percent of patients with 'Assault' in cause code were out-of-state transfers**

**2.2 years**

**Average age of pediatric trauma patients with 'Assault' cause code  
between 2018 and 2022 (N=174)**

**1.7 years**

**Average age of deceased patients with 'Assault' cause code  
between 2018 and 2022 (N=15)**

Thank you for  
your time

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