

# Sport and recreation-related injury hospitalisations in Queensland public acute hospitals: 01 Jan 2016 to 31 Oct 2022

## KEY FINDINGS

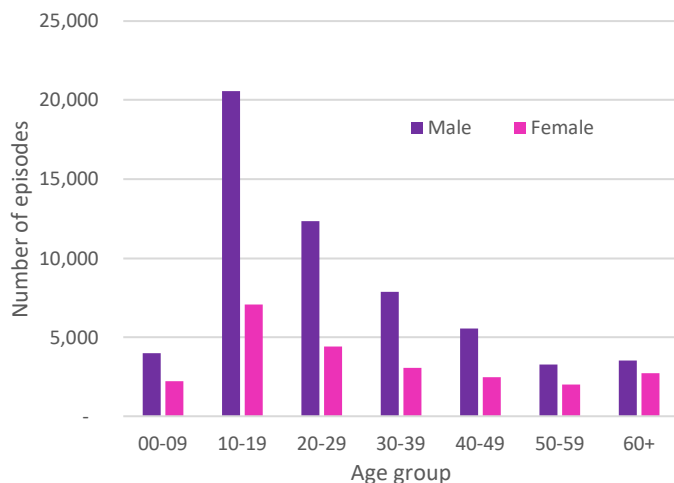
- Between 01 January 2016 and 31 October 2022:
- 81,072 sport and recreational activity related injury hospitalisations occurred in Qld public acute hospitals.
  - Team ball sports were the leading cause of sports injuries accounting for 32% of hospitalisations (n=25,754).
  - Males aged between 10-19 years had the highest incidence.
  - Fractures were the main injury sustained accounting for almost half of all hospitalisations (N=33,113, 48%).

## KEY FIGURES

### Trends over time

Activity/Outcome	2016	2017	2018	2019	2020	2021	2022 <sup>1</sup>
Episodes of care	11,539	11,543	11,714	12,083	11,877	13,175	9,141
Patient days	19,795	19,302	19,175	20,420	20,111	21,742	15,747
Average length of stay (day)	1.7	1.7	1.6	1.7	1.7	1.7	1.7
Died in hospital	13	7	12	6	10	12	5

### Age and sex breakdown



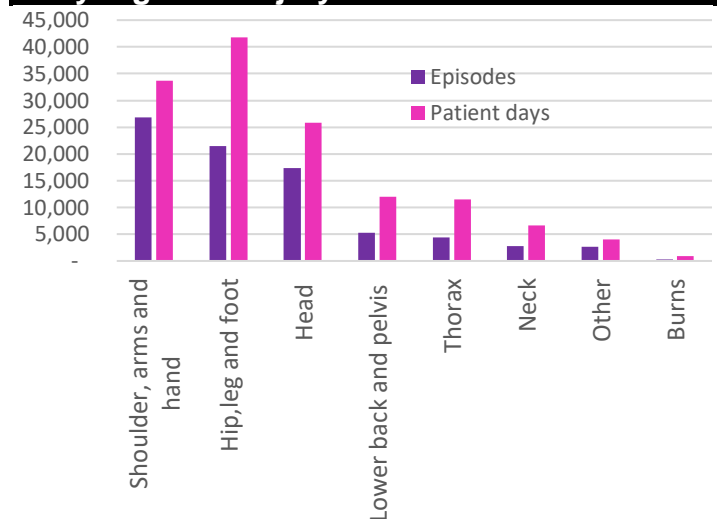
## Top 10 sports causing injury

Types of sport	Episodes	Patient days
Team ball sports	25,754	32,410
Wheeled nonmotored sports	17,223	31,641
Wheeled motor sports	7,637	18,705
Individual water sports	6,451	11,537
Equestrian activities	4,884	10,083
Individual athletic activities	3,687	6,846
Other specified sport and exercise activity	2,994	4,703
Combative sports	1,833	2,362
Team bat or stick sports	1,816	2,249
Unspecified sport and exercise activity	1,370	2,053

## Top 10 team ball sports

Team ball sports	Episodes	Patient days
Rugby, unspecified	6,712	8,585
Soccer	4,406	5,639
Football, unspecified	2,863	3,384
Australian Rules	2,775	3,386
Rugby League	2,557	3,419
Basketball	1,947	2,398
Touch football	1,782	2,243
Netball, other and unspecified	1,229	1,406
Rugby Union	647	892
Other specified football	318	385

## Body region of injury sustained



<sup>1</sup> Data does not cover a full or complete year. Data were not available for the last two months of November and December 2022

## Top 10 injury sustained

Injury sustained	Number of episodes
Fracture	39,065
Internal organ injuries	9,033
Open wound	5,777
Dislocation	3,606
Superficial & contusions	3,447
Toxic effects	516
Burn	236
Other effects of external causes	1,431
Other specified	11,888
Unspecified	5,518

## ABOUT US

The **Jamieson Trauma Institute (JTI)** connects clinicians, researchers, government and industry partners striving to advance trauma prevention, research and clinical management, to deliver the best possible care for people who experience traumatic injury. JTI was established with funding from the Motor Accident Insurance Commission and Metro North Hospital and Health Service.

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## DATA SCOPE AND DEFINITIONS

This overview was produced by the Jamieson Trauma Institute, in consultation with the Statistical Services Branch, Queensland Health using Queensland Hospital Admitted Patient Data Collection (QHAPDC) (derived subset of data tables comprising injury related hospital admissions from all public acute hospitals excluding Mater South Brisbane Hospitals).

### Data Scope

- Includes episodes of admitted patient care with separation date between 01 January 2016 & 31 October 2022.
- Sport and recreational activity related hospitalisation is defined by ICD-10-AM principal diagnosis code between S00-T98 with activity code between U50 and U71.
- Care Type = Acute.
- Data from 1 July to 31 October 2022 are preliminary and subject to change.
- This overview presents raw counts and percentages, not age standardised rates, as data relate to episodes of care and not individual patients.

