

## Sport and recreational activities related injury hospitalisations in Queensland public acute hospitals between 2016 and 2020

### Key Findings

Between 01 January 2016 and 31 December 2020:

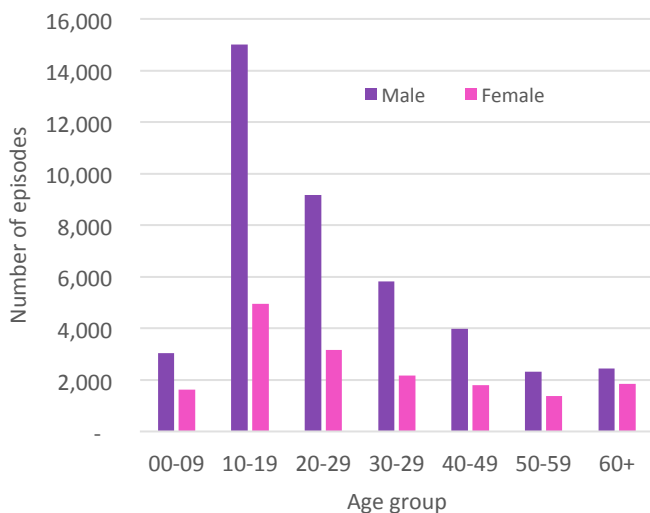
- 58,727 sport and recreational activity related injury hospitalisations occurred in Qld public acute hospitals.
- Team ball sports were the leading cause of sports injuries accounting for 32% of hospitalisations (n=18,606).
- Males aged between 10-19 years had the highest incidence.
- Fractures were the main injury sustained accounting for almost half of all hospitalisations (N=27,703, 47%).

### Key Figures

#### Trends over time

Activity/Outcome	2016	2017	2018	2019	2020	Total
Episodes of care	11,539	11,543	11,714	12,083	11,848	58,727
Patient days	19,795	19,302	19,175	20,420	20,082	98,774
Average length of stay (day)	1.7	1.7	1.6	1.7	1.7	1.7
Died in hospital	13	7	12	6	10	48

#### Age and sex breakdown



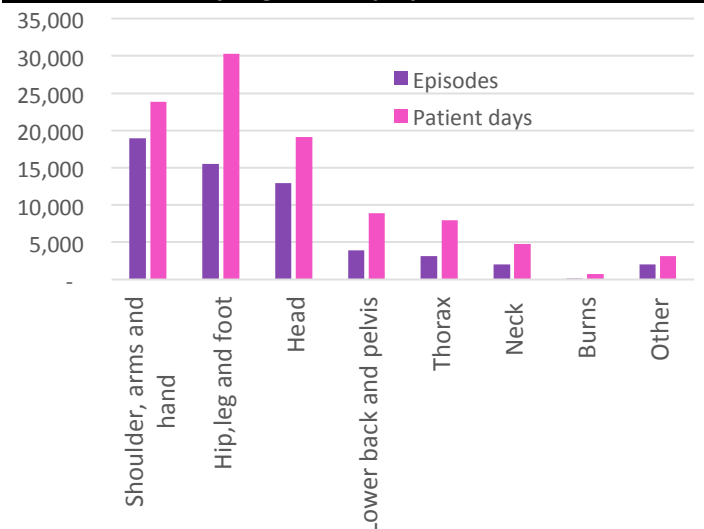
### Top 10 sports causing injury

Types of sport	Episodes	Patient days
Team ball sports	18,606	23,588
Wheeled nonmotored sports	12,487	22,950
Wheeled motor sports	5,509	13,346
Individual water sports	4,829	8,822
Equestrian activities	3,601	7,413
Individual athletic activities	2,491	4,474
Other specified sport and exercise activity	2,235	3,480
Team bat or stick sports	1,306	1,615
Combative sports	1,267	1,652
Unspecified sport and exercise activity	1,002	1,498
<b>Total</b>	<b>53,333</b>	<b>88,838</b>

### Top 10 team ball sports

Team ball sports	Episodes	Patient days
Rugby, unspecified	4,721	6,049
Soccer	3,249	4,178
Football, unspecified	2,109	2,523
Australian Rules	1,938	2,333
Rugby League	1,932	2,621
Touch football	1,343	1,705
Basketball	1,309	1,651
Netball, other and unspecified	899	1,038
Rugby Union	498	709
Other specified football	245	305
<b>Total</b>	<b>18,243</b>	<b>23,112</b>

### Body region of injury sustained



## Top 10 Injury sustained

Injury sustained	Number of episodes
Fracture	27,703
Internal organ injuries	6,738
Open wound	4,079
Superficial & contusions	2,557
Dislocation	2,490
Toxic effects	381
Burn	161
Other effects of external causes	1,071
Other specified	9,005
Unspecified	4,090

## 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 December 2020.
- 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 2020 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.