

16,924 People Treated for Serious Injury in Queensland in 2010

The **Queensland Trauma Registry** is a research project that has collected and reported injury data since 1998 when it was piloted at the Royal Brisbane & Women's and Princess Alexandra Hospitals. Steady expansion saw the QTR reach statewide coverage in 2002, with 13 sites participating. By 2009, there were 20 Queensland public hospitals collecting and systematically reviewing QTR data. Operation of the QTR is approved by UQ and the Human Research Ethics Committee at each participating hospital.

Included on the QTR are people admitted for 24 hours or more to a participating hospital for the treatment of acute injury, including transfers from any other hospital and those who die in under 24 hours if hospital treatment was commenced. Not included on the QTR are injured people who are not admitted or are admitted for less than 24 hours (except deaths), and those who do not survive to hospital.

In 2010, 16,924 people treated for serious injury in Queensland were included on the QTR.

Hospitals participating in the QTR in 2010 were: Bundaberg, Caboolture, Cairns, Gold Coast, Hervey Bay, Ipswich, Logan, Maryborough, Mater and Royal Children's, Mackay, Mount Isa, Nambour, PAH, Redcliffe, Robina, Rockhampton, RBWH, Toowoomba and Townsville.

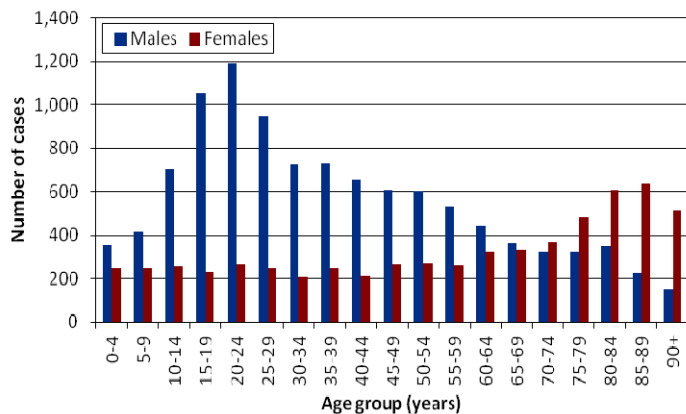


Figure 1: Number of cases included on the QTR by age group and sex in 2010 (n = 16,924)

Note: 24 potentially eligible cases were not included in this report due to unavailability of information at time of publication

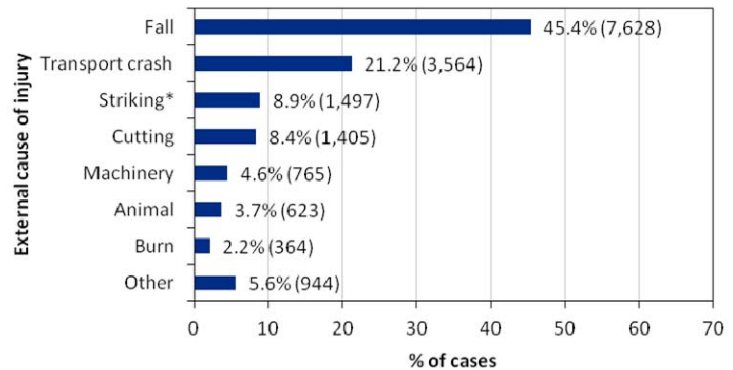


Figure 2: External cause of injury for cases on the QTR 2010 (n = 16,790)

Note: Cases with unspecified external cause not included in this figure

* Struck by person = 772 cases / struck by object = 725 cases

Of the 16,924 injury cases treated in Qld in 2010:

- For cases with an ISS \geq 16, the leading cause of injury was transport crash, 562 (42%)
- 10,699 (63%) were males, average age = 39 years
- 6,225 (37%) were females, average age = 56 years
- 863 (5%) identified themselves as being of Aboriginal and/or Torres Strait Islander origin
- 4,861 (29%) were transferred from another hospital
- 9,756 (58%) sustained a fracture (lower extremity = 5,418 / upper extremity = 2,350)
- 1,769 (11%) sustained nerve/vessel/muscle/tendon injury
- 1,281 (8%) sustained an intracranial injury
- 11,230 (66%) underwent 16,280 acute care operations
- 1,435 (9%) were admitted to an ICU
- Median length of acute hospital stay was 4 days (IQR = 2 – 9 days), with 125,791 acute bed days used
- 366 (2.2%) did not survive to discharge from acute care; average age at death = 69 years.

The QTR is a major research arm of the **Centre of National Research on Disability and Rehabilitation Medicine (CONROD)** and based at CONROD within The University of Queensland School of Medicine at Herston. The QTR is supported by funding from UQ, the Motor Accident Insurance Commission and Queensland Health.

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QTR Statewide Annual Reports and publications are available at: www.uq.edu.au/conrod