



Starship Child Health Trauma Service Quarterly Report

Q4. (October - December) 2022

Executive Summary

The total number of trauma admissions in the fourth quarter of 2022 has increased compared to 2021 whereas the number of major trauma admissions has dropped. Median length of stay for those admitted with major trauma has slightly risen whereas PICU length of stay has decreased. Median injury severity score has risen compared to 2021.

Trauma admissions by month

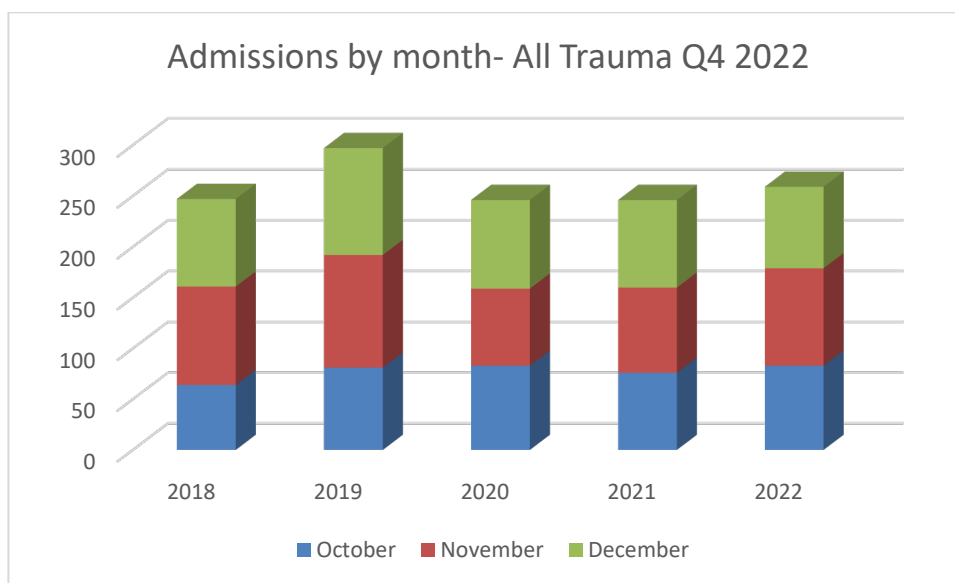


Fig. 1.

- At Starship major trauma is defined as either: -
- 1) Having an injury severity score (ISS) of >15 (AIS '98)
 - 2) Admission to intensive care as a result of injury
 - 3) Death in hospital from injury

Note: - As of 1st January 2020 all hanging and drowning related admissions are included in the Starship trauma registry.

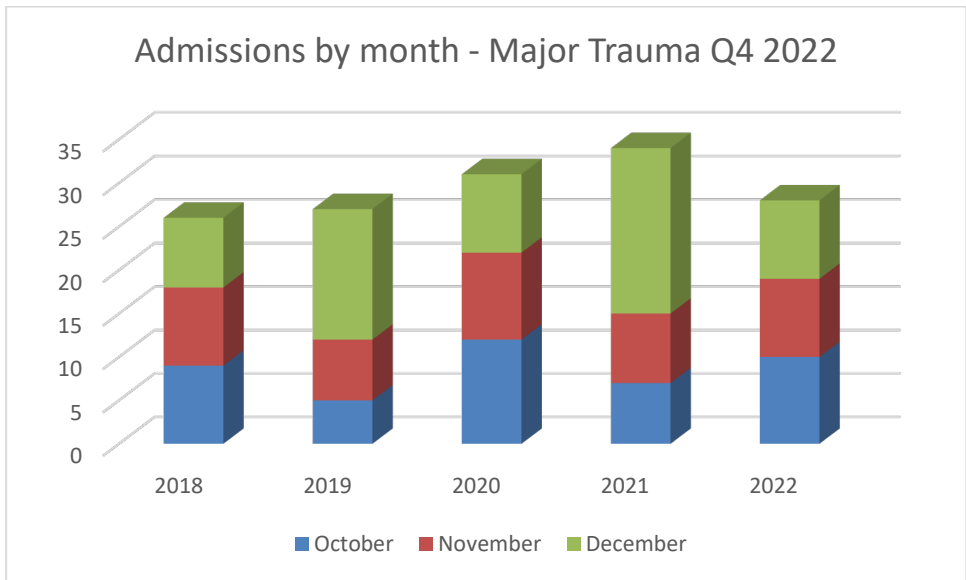


Fig 2.

As previously mentioned there has been an increase in all trauma admissions but a decrease in admissions with major trauma. During the 4th quarter of 2022 there was one trauma death that was CNS related.

Length of Stay and Injury Severity Score

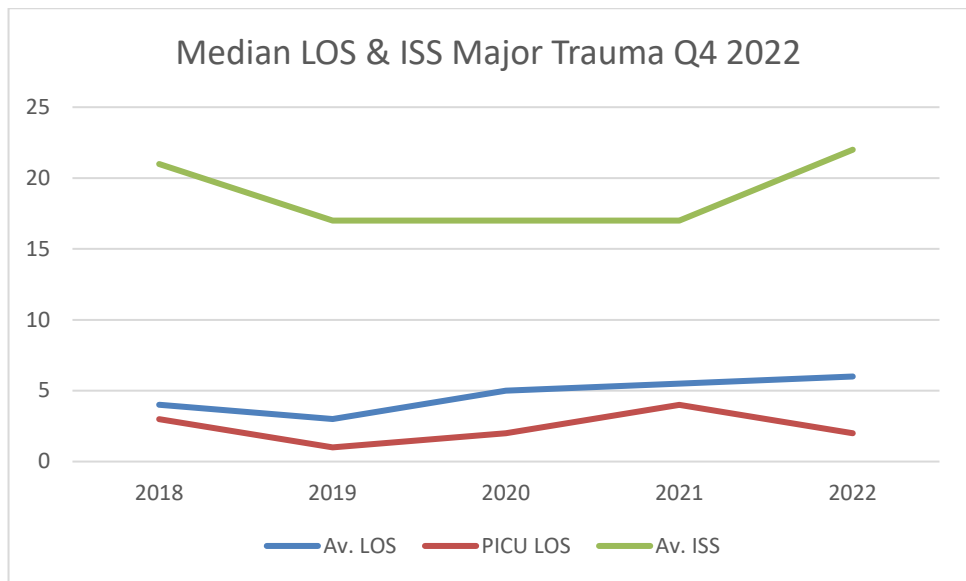


Fig 3.

ISS for major trauma patients admitted in Q4 has risen which may in turn be a contributing factor in the slightly higher median LOS. PICU LOS however is down on the same period in 2021

Cause of Major Trauma

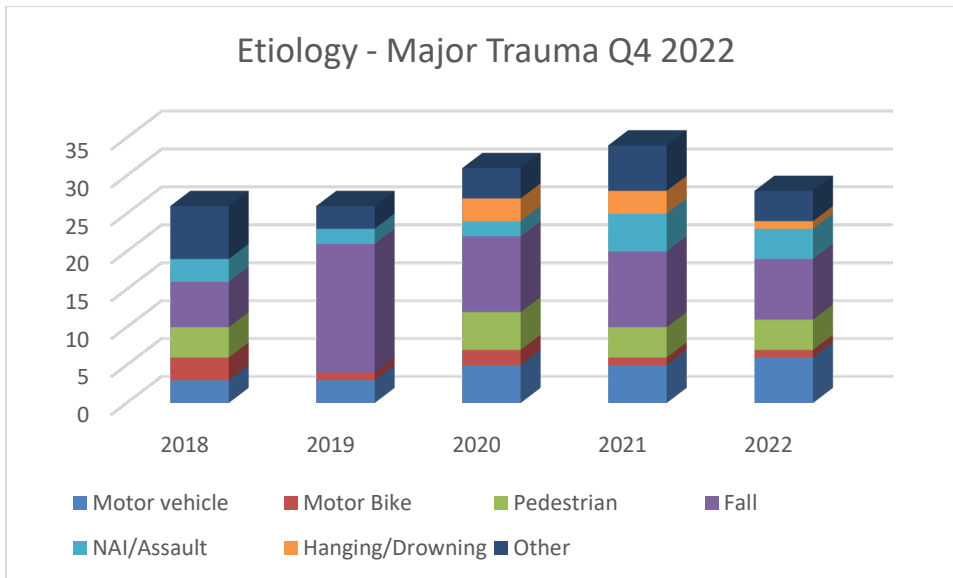


Fig 4.

Falls continue to be the most common cause of major trauma admissions in the 4th quarter of the past 5 years. Traffic related admissions (vehicle occupants, pedestrians and bike riders) are slightly up on 2021 where as the number of assaults and hangings/drownings is down.

Major Trauma Transfers

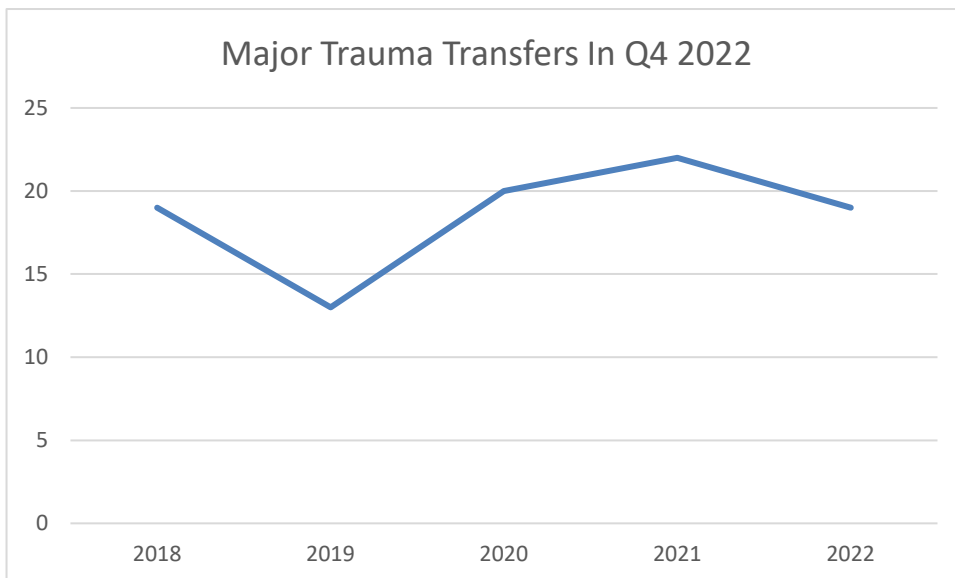


Fig 5.

In keeping with the decrease in major trauma admissions, the number of major trauma patients transferred to Starship has dropped in the 4th quarter of 2022 compared to the previous 2 years.

Report compiled on 26th January 2023 by:

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