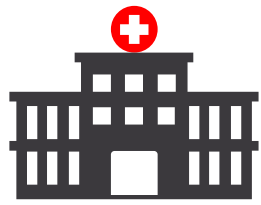


Traumatic injury among youth (15-24 Yrs): Te Manawa Taki 2020

2020 Events



956

patients aged 15-24 Yrs admitted to Te Manawa Taki facilities during 2020 (883 TMT-resident)

96

(10.0 %) patients were Major trauma (ISS > 12)

860

(90.0 %) patients were non-Major trauma (ISS < 13)

265

(27.7 %) patients were female

691

(72.3 %) patients were male

427

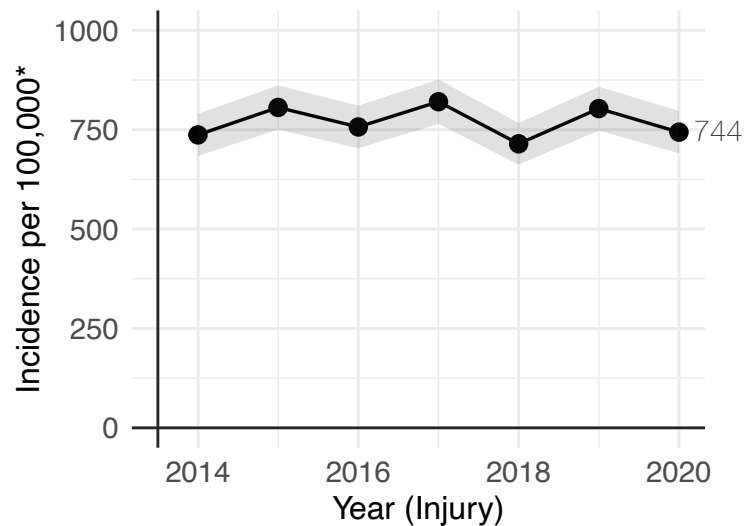
(44.7 %) patients identified as Māori

529

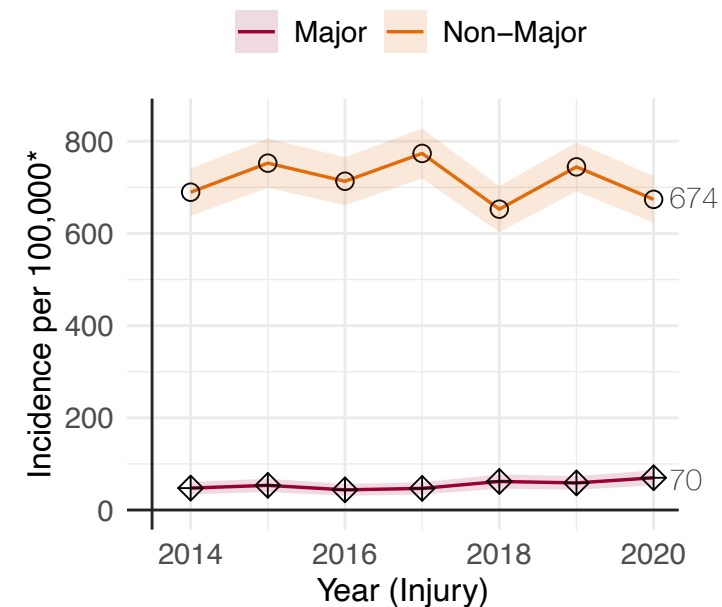
(55.3 %) patients identified as non-Māori

Incidence and trends

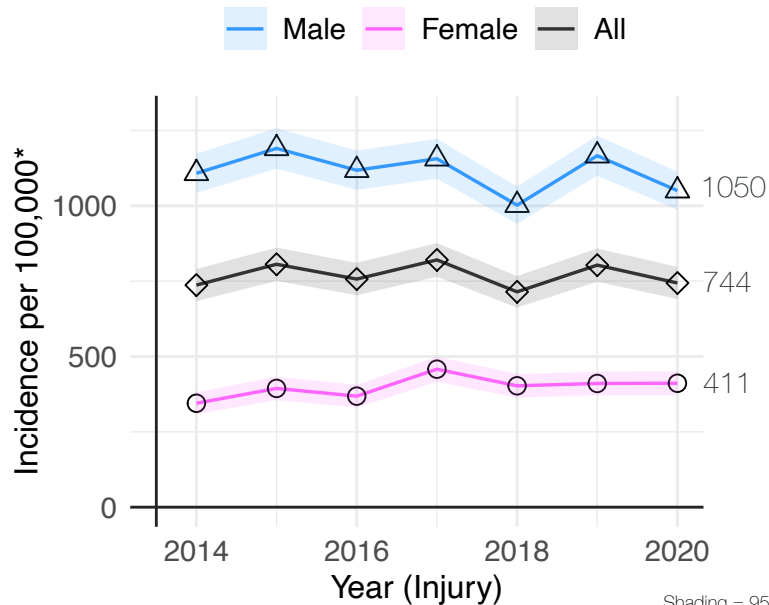
Te Manawa Taki Midland



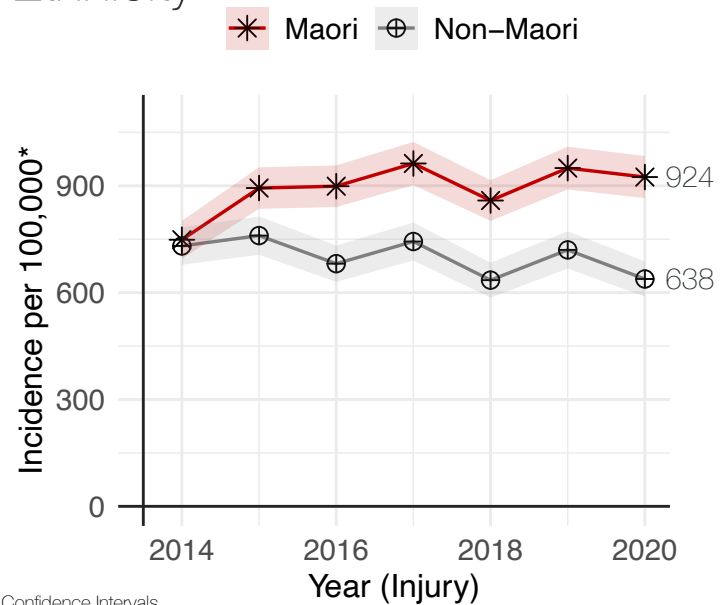
Severity



Gender



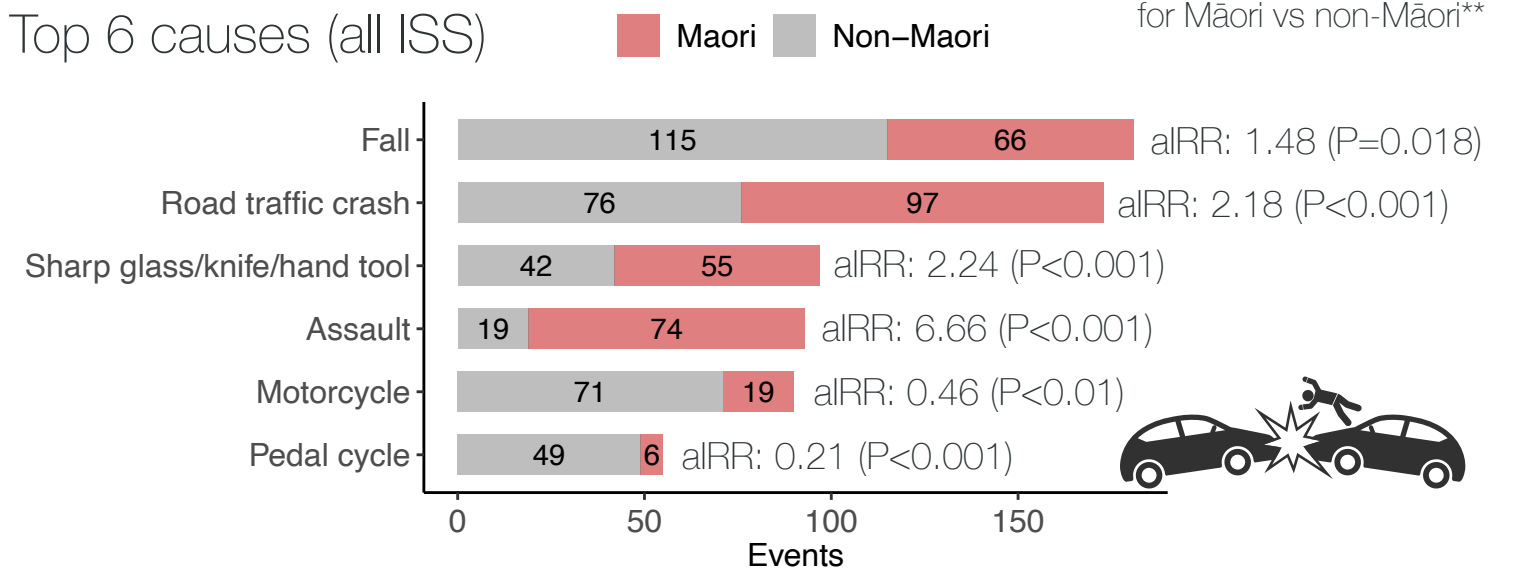
Ethnicity



Causes of injury (2020)

aIRR = Populn. adjusted Incidence Rate Ratio for Māori vs non-Māori**

Top 6 causes (all ISS)



Key points

- The overall incidence of trauma among youth resident in the TMT-Midland Region has remained relatively constant since 2014. However, the incidence of major trauma among youth appears to be slowly increasing.
- The incidence of trauma among Māori is significantly higher than that for non-Māori. Concerningly, the incidence among non-Māori youth has been trending downwards since 2014 while that for Māori has not, representing a significant and growing equity gap.
- Māori youth were 2.2 times more likely to be injured due to road traffic crashes than non-Māori, and Māori youth were 6.7 times more likely to be injured due to assault. Māori youth were also 1.65 times more likely to have incurred penetrating injuries as their primary injury type compared to non-Māori (P<0.0001). non-Māori youth were almost twice as likely to be injured due to a motorcycle crash, and almost five times more likely to have pedal cycle related injuries.
- Further work, in partnership with Māori, is required to understand the causes of these trends and how best to prevent these injuries.

Data as of 21-08-2021. *All incidence values are age, gender, ethnicity, and year population corrected. **aIRR computed using Poisson Regression, population age, ethnicity, year adjusted. Population source: MoH DHB projections (2018). ISS: Injury Severity Score. Further information: www.midlandtrauma.nz