Wintec and Midland Trauma System Research Collaboration

Centre for Health and Social Practice
• Clinical work
• Data collection
  • Admission to an MTS in-hospital bed as a result of, and within 7 days of injury.
  • Death in hospital following injury (including deaths in the emergency department)
• Midland Trauma Registry
  • Over 24,000 documented patient journeys
• Hub services
  • Quality Improvement
Data, data, data...

Figure 1. Event volumes by age, gender, and ethnicity: Midland Region, 1 July 2015 – 30 June 2016

High rates of Injury 0-9 Yrs

Males aged 15 to 30 Years predominate

Female peak, European, at 65-69 Yrs

Trauma in Waikato
FOCUS - ROAD TRAFFIC CRASHES | IN-PATIENTS
January 2012 to December 2015

KEY POINTS

- Number of transport events is rising
- Māori at high risk of road traffic crash across all age groups
- NZ European at high risk of motorbike crashes in all age groups

Road Traffic crash by age group and ethnicity
Pacific excluded. Less than 1% of all events

Māori are at high risk of RTC across all ages

Between 2012 and 2015
1485 Waikato domiciled patients were hospitalised in Waikato Hospital following transport-related events.

Of these
40% (87) Road traffic crashes (RTC)
32% (473) Motorbike crashes (MBC)
20% (298) Pushbike events
8% (118) Pedestrians

Motorbike crash by age and ethnicity
Pacific excluded. Less than 1% of all events

High rates in European young riders
Second peak in older European riders
Wintec and MTS collaboration

• To establish the individual and societal impacts of trauma experiences by survivors of serious injury within the Midland region of New Zealand

• To explore their interactions with the health and social care systems and compensation providers

• To evaluate the factors they perceive to facilitate and impede recovery after serious injury in a New Zealand context

• To inform future research projects
Opportunities for collaboration?

• International links:
  ✓ Prof Belinda Gabbe, Head of the Emergency and Trauma Research Unit in the Department of Epidemiology and Preventive Medicine at Monash and a Chief Investigator of the Victorian State Trauma Registry

• Opportunity to work with:
  ✓ communities and the Design Factory NZ to co-design solutions to identified barriers to recovery
  ✓ policy makers, government agencies, health and social care providers and communities to translate this research/solutions into practice