

# A New Zealand National Trauma Registry/Database

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# What is a registry/database?

“an official written record of  
names or events or  
transactions”

“an organized body of related  
information”

# Why have a database?

Approximately 4,000 major traumas per annum in NZ

Clinicians have been seeking a Trauma System for over 13 years

2004 feasibility study confirmed there would be value to patients.

Benefits for Victorian State Trauma Registry -  
Reduced mortality from major trauma by 2% over four years.

# Current New Zealand database instances

Auckland Hospital (13 years)

Middlemore Hospital (6 years)

Waikato Hospital (3 years)

Starship Hospital (1+ years)

# What data is being collected?

- Pre-hospital (transportation)
- Emergency Department
- Incident
- Specific injuries/operations
- Complications
- Discharge/death

Databases are currently not networked within hospitals nor between hospitals - Local

# Move to regional instances

- Collector in each region
- Generally one data entry point but multiple access and reporting points
- Increased collaboration between hospitals
- Increased ability to gather critical mass of data



# Move to national instance

- Common dataset across all of New Zealand
- Consistent way of collecting, analysing and reporting data
- Support for identification of best practice and therefore improvement of treatment guidelines
- National reporting, research and benchmarking determinations
- Central repository (not mandatory)

## Digital Innovations - Collector

- Market leader in trauma database packages
- Used in New Zealand for over 13 years
- Automatically generates the Injury Severity Score



# What next?

- Negotiations to purchase software
- Reference Group meetings
- Engagement with DHBs/stakeholders
- Training for software use and data collection