

The logo for AROC, consisting of the lowercase letters 'aroc' in a bold, italicized sans-serif font, enclosed within a white oval shape with a dark red border.

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The AROC Annual Report – the state of rehabilitation in Australia and New Zealand in 2009

**Presentation to WCIM 2010
Melbourne
23 March 2010**

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What is AROC ?

- AROC began as a joint initiative of the whole Australian rehabilitation sector (providers, payers, regulators and consumers) with support from key New Zealand providers
- Established 1 July 2002 as a not-for-profit Centre
- The Australasian Faculty of Rehabilitation Medicine (AFRM) is the auspice body and data custodian
- The Centre for Health Service Development (CHSD) at the University of Wollongong is the data manager and responsible for AROC's day to day operations

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Purpose and Aims of AROC

The basic purpose and aims of AROC were established as, and continue to be:

- To provide national benchmarking systems to improve clinical rehabilitation outcomes
- To produce information on the efficacy of interventions through the systematic collection of outcomes information in both the inpatient and ambulatory settings
- To provide annual reports that summarise the data at a national level

Benchmarking Reports

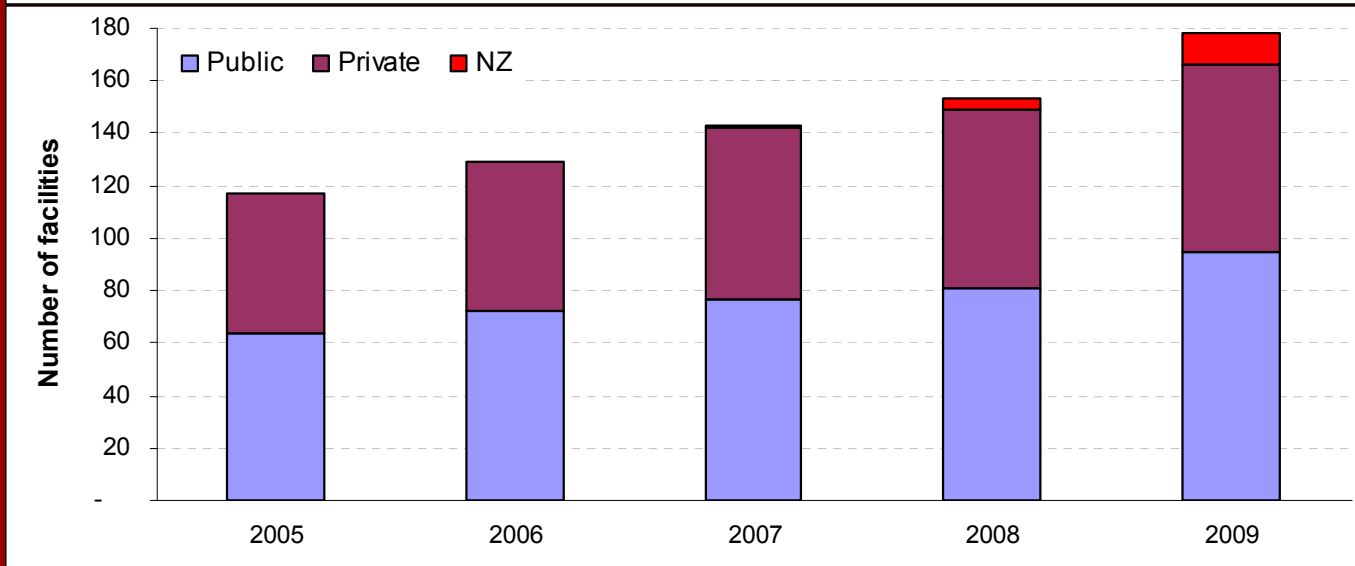
- AROC provides analysis of each individual member facilities data for that member, and also compares that data to:
 - analysis of the overall sector (public or private)
 - the national data
 - industry developed impairment specific target outcomes
- AROC Benchmarking Reports distributed to facility members electronically twice yearly

AROC Coverage

- There are approximately 180 rehabilitation units in Australia
- 172 submitted data to AROC in the 2009 calendar year
- In 2009 data describing almost 64,000 episodes was submitted to AROC
- There are approximately 30-35 rehabilitation units in New Zealand
- Currently 23 units are members of AROC
 - 12 collected and submitted in 2009
 - 8 are collecting and expected to begin submitting data next quarter
 - 3 are in education / process phase or not expected to collect next quarter
- Since Jan 2009 data describing more than 2,250 NZ episodes has been submitted to AROC

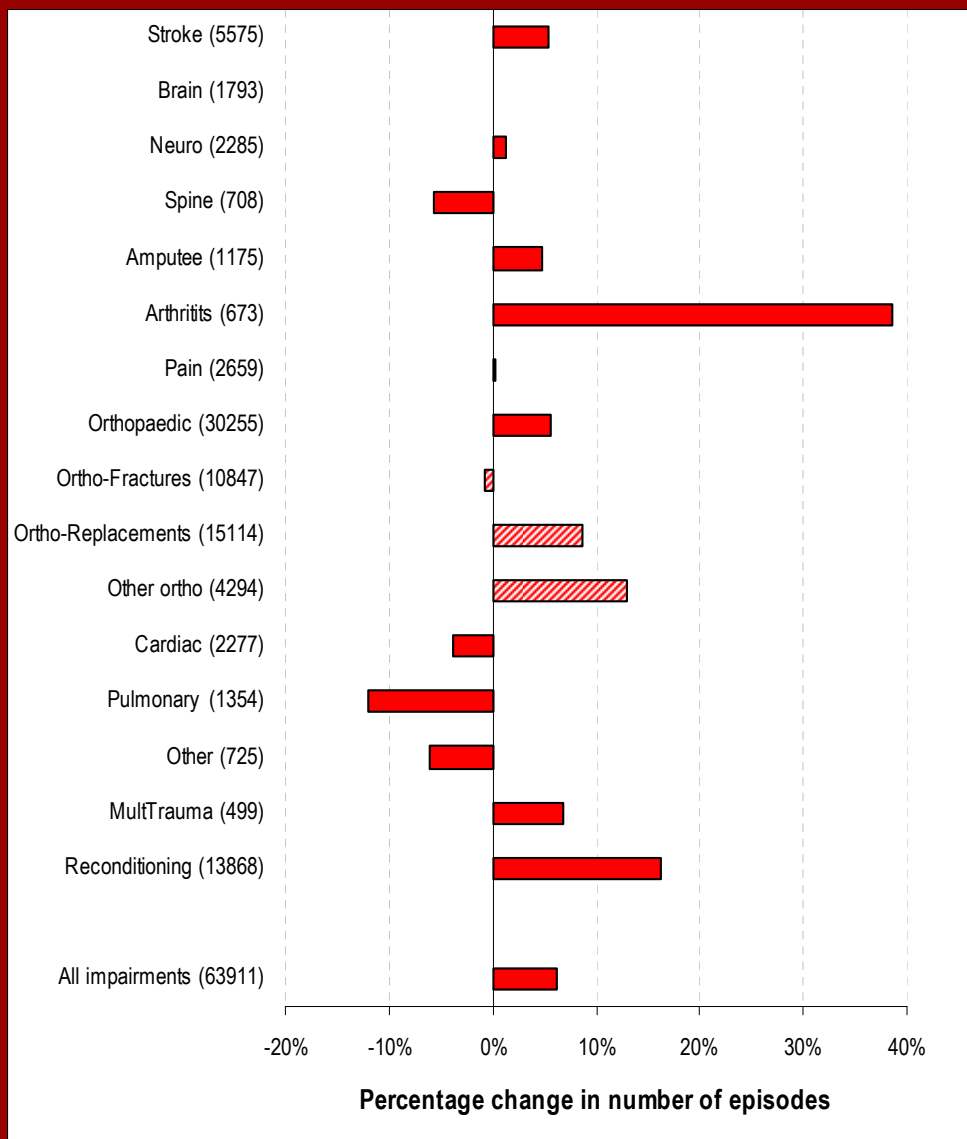
Change in Number of Episodes over time

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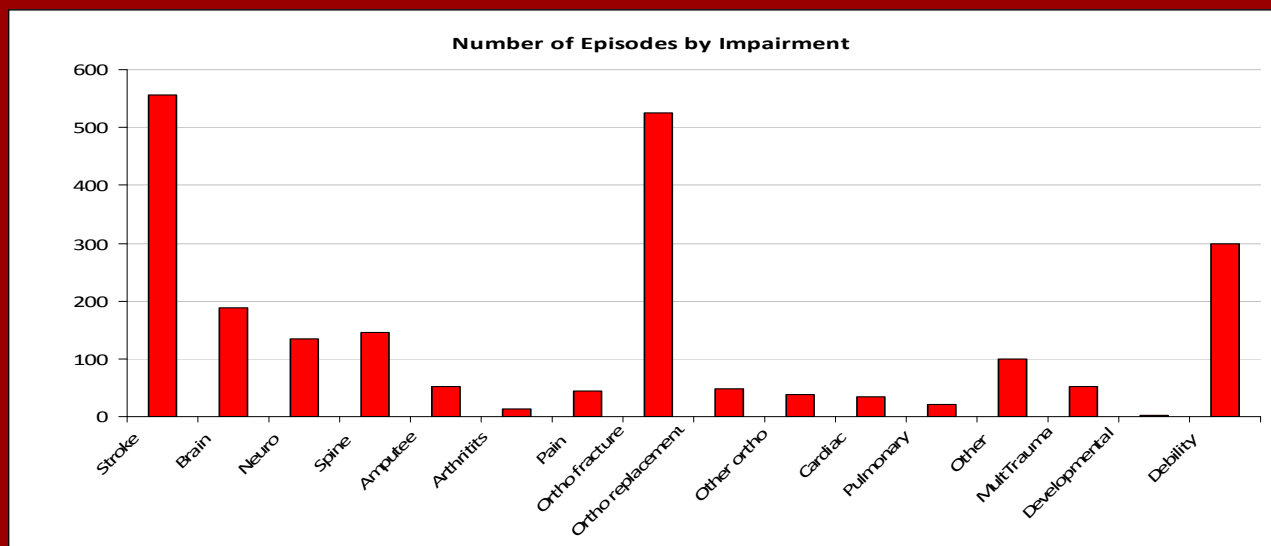
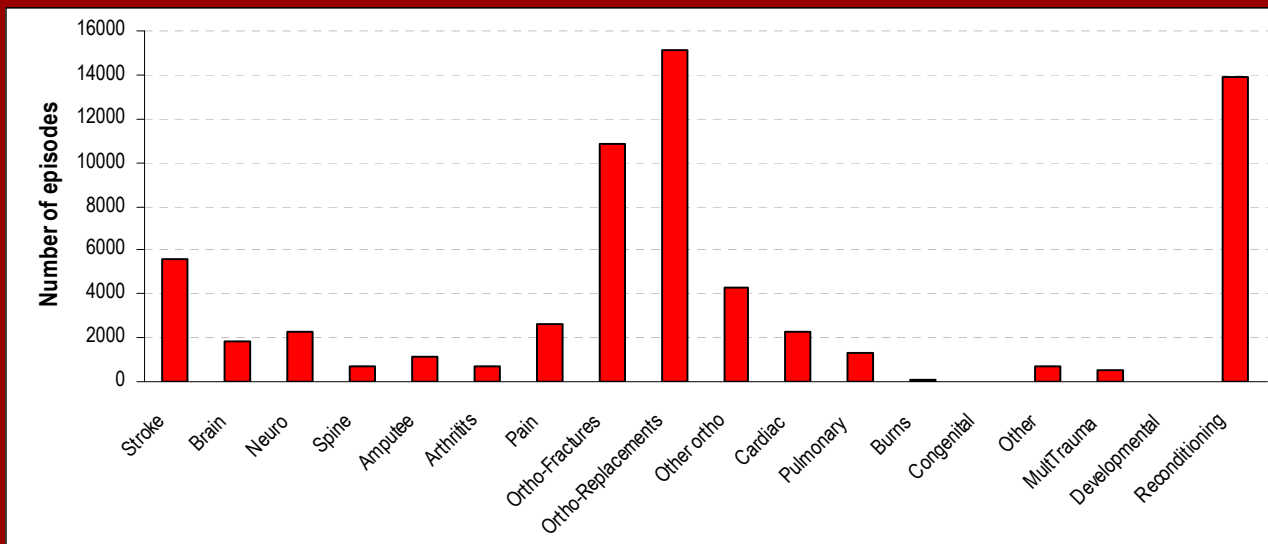


Change in Number of Episodes 2008 to 2009

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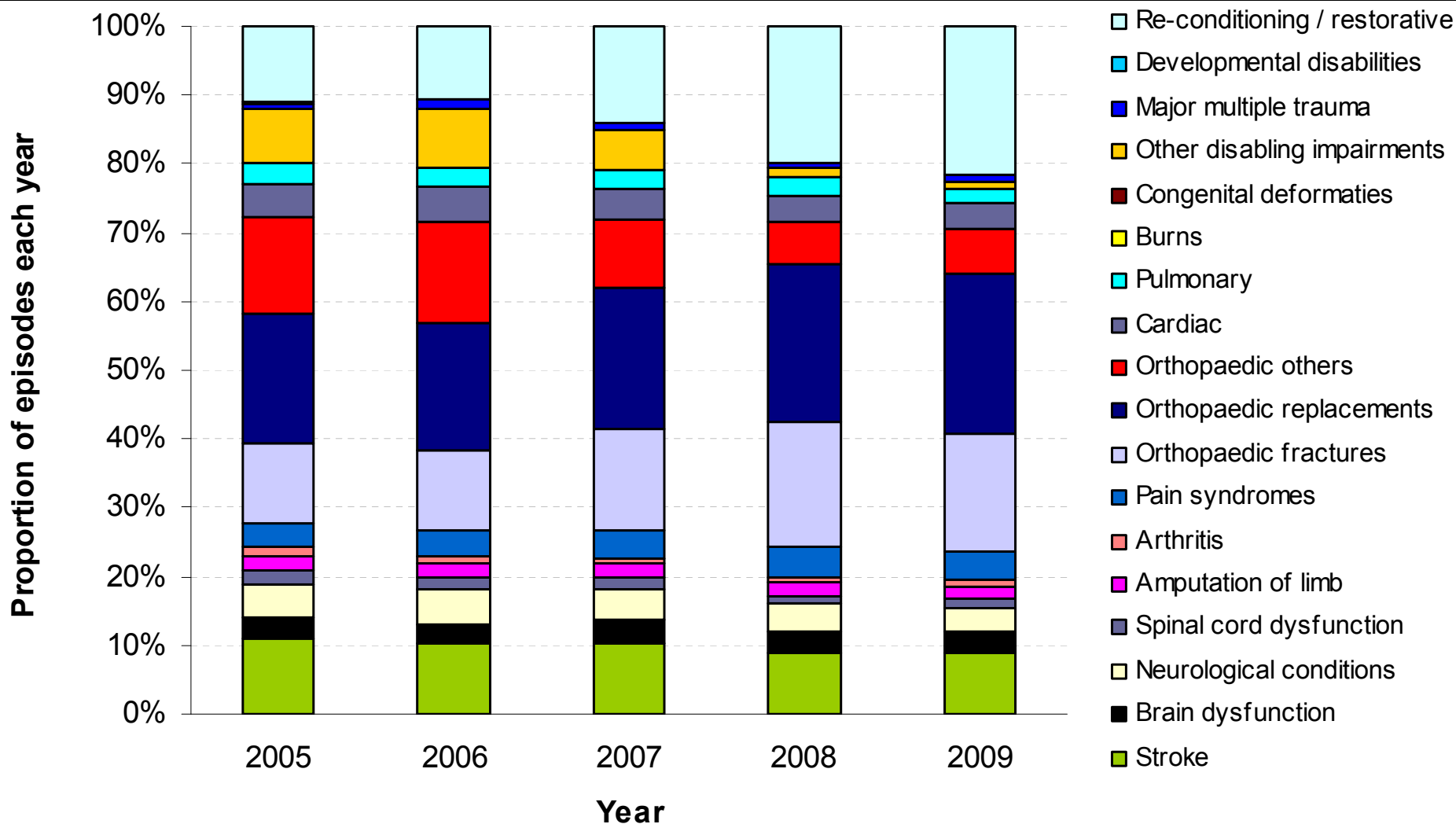


Episodes by Impairment Australia & New Zealand



Change in number of Australian episodes over time, by impairment

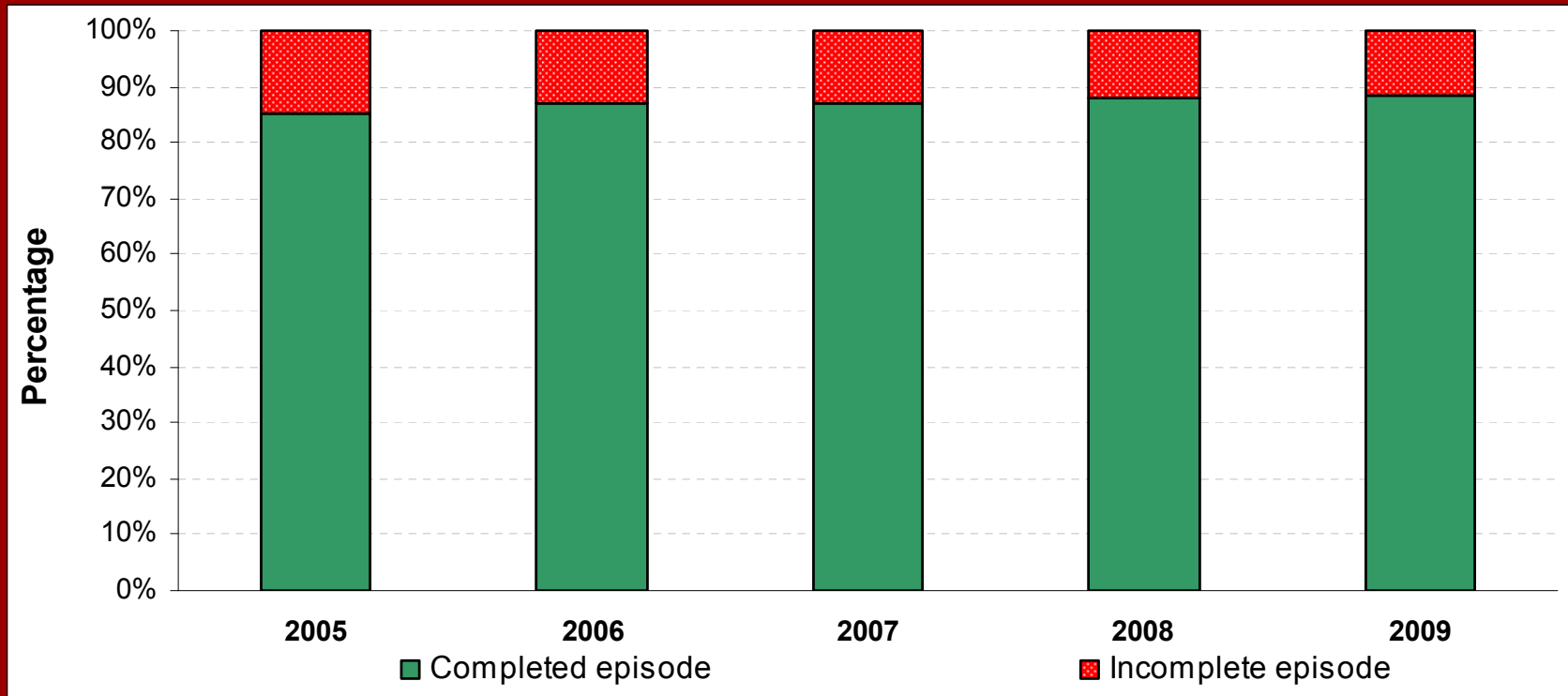
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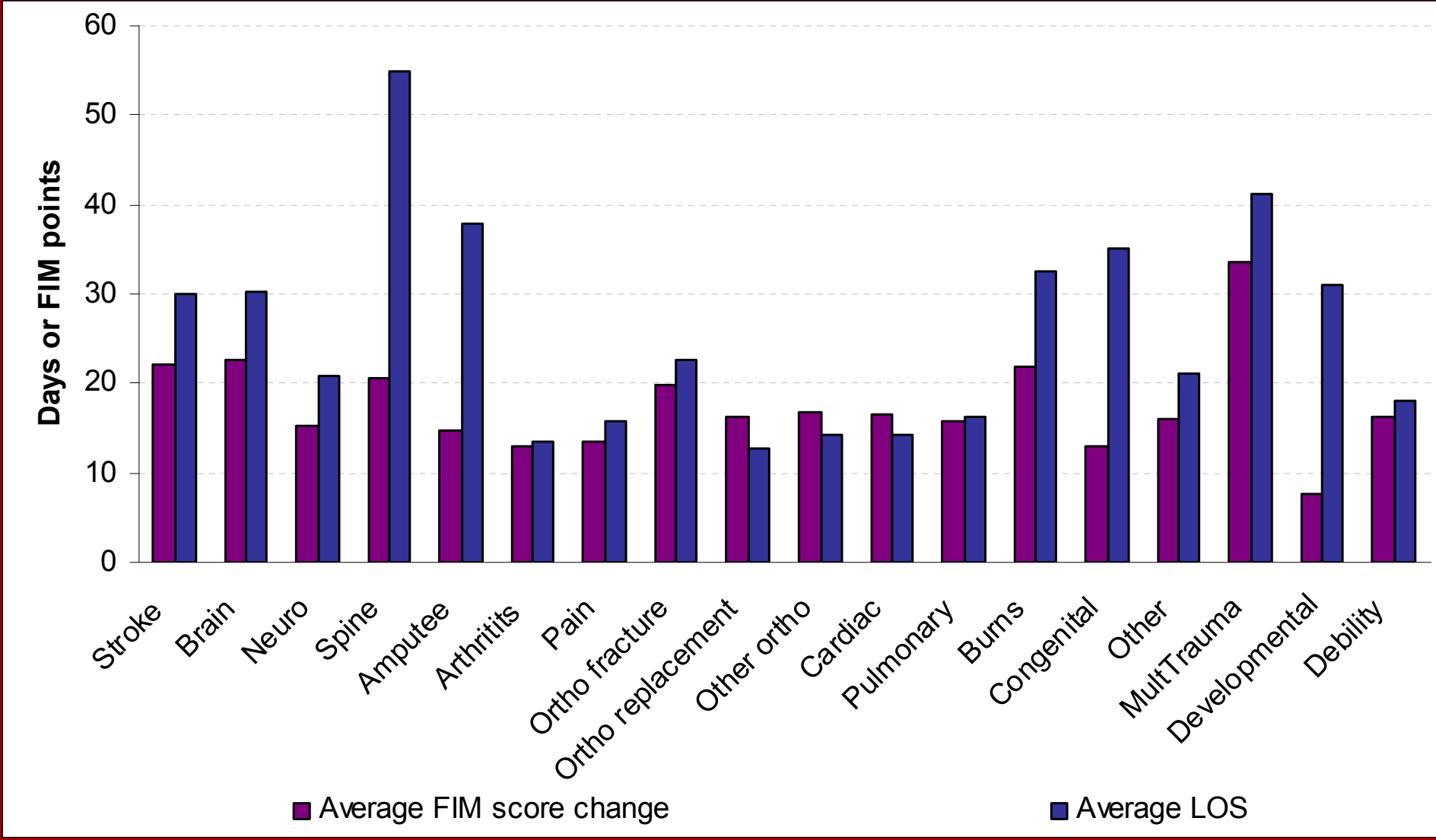
Outcomes in Rehabilitation

- Outcomes in rehabilitation cannot be measured by any single measure. It is the combination of elements that tell the story
 - Admission FIM
 - FIM change
 - LOS
 - Discharge destination
 - Age and co-morbidities also add context
- Outcomes measured on ***Completed Episodes*** cohort
- A completed episode is where:
 - the patient was discharged to usual or interim accommodation AND total FIM score at episode end was >18
 - the patient had a change of care type within sub-acute/non-acute care (e.g. rehab to maintenance) AND length of stay was >6 days

Proportion completed episodes, over time

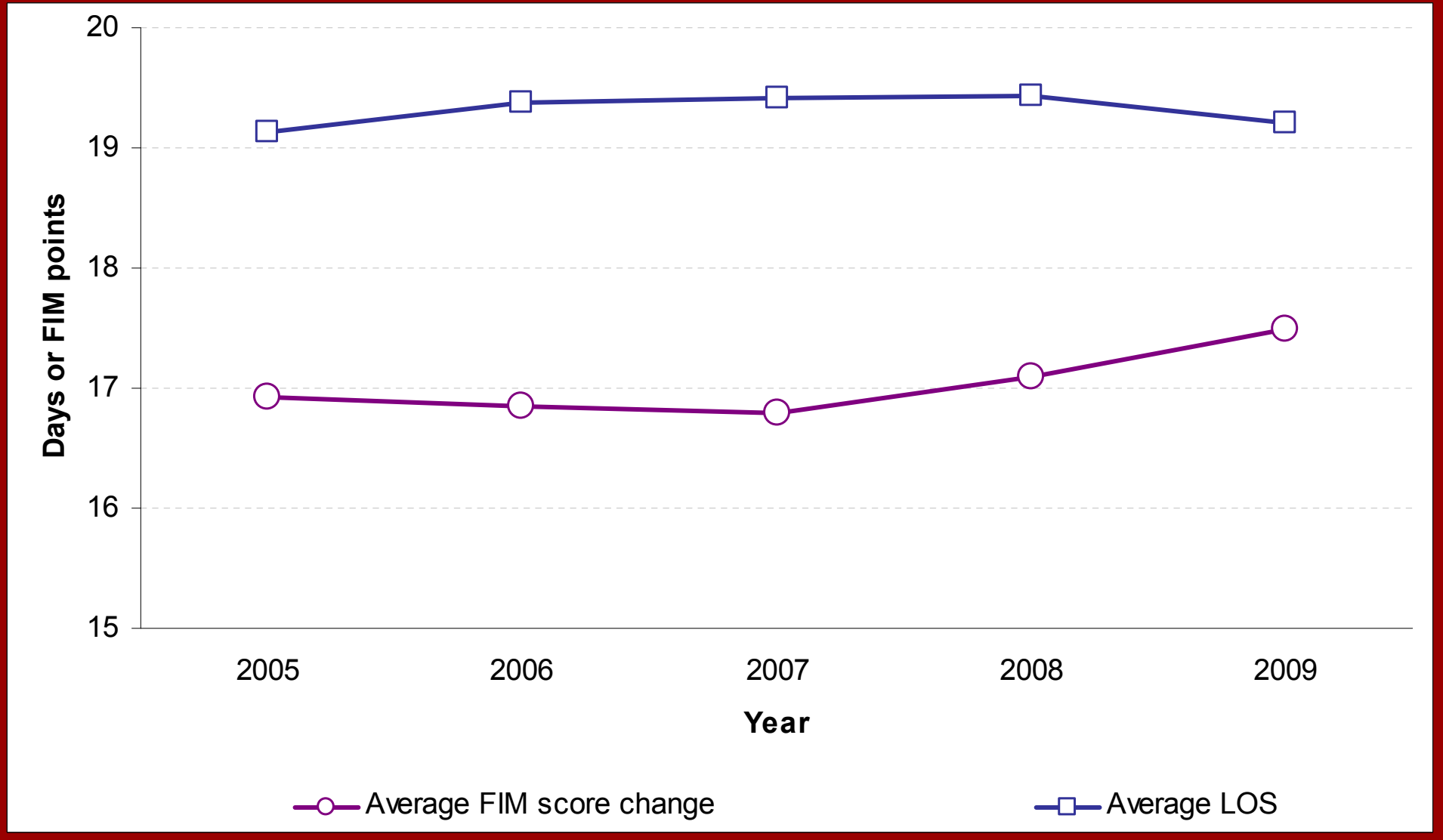


ALOS & FIM change by impairment - Australia



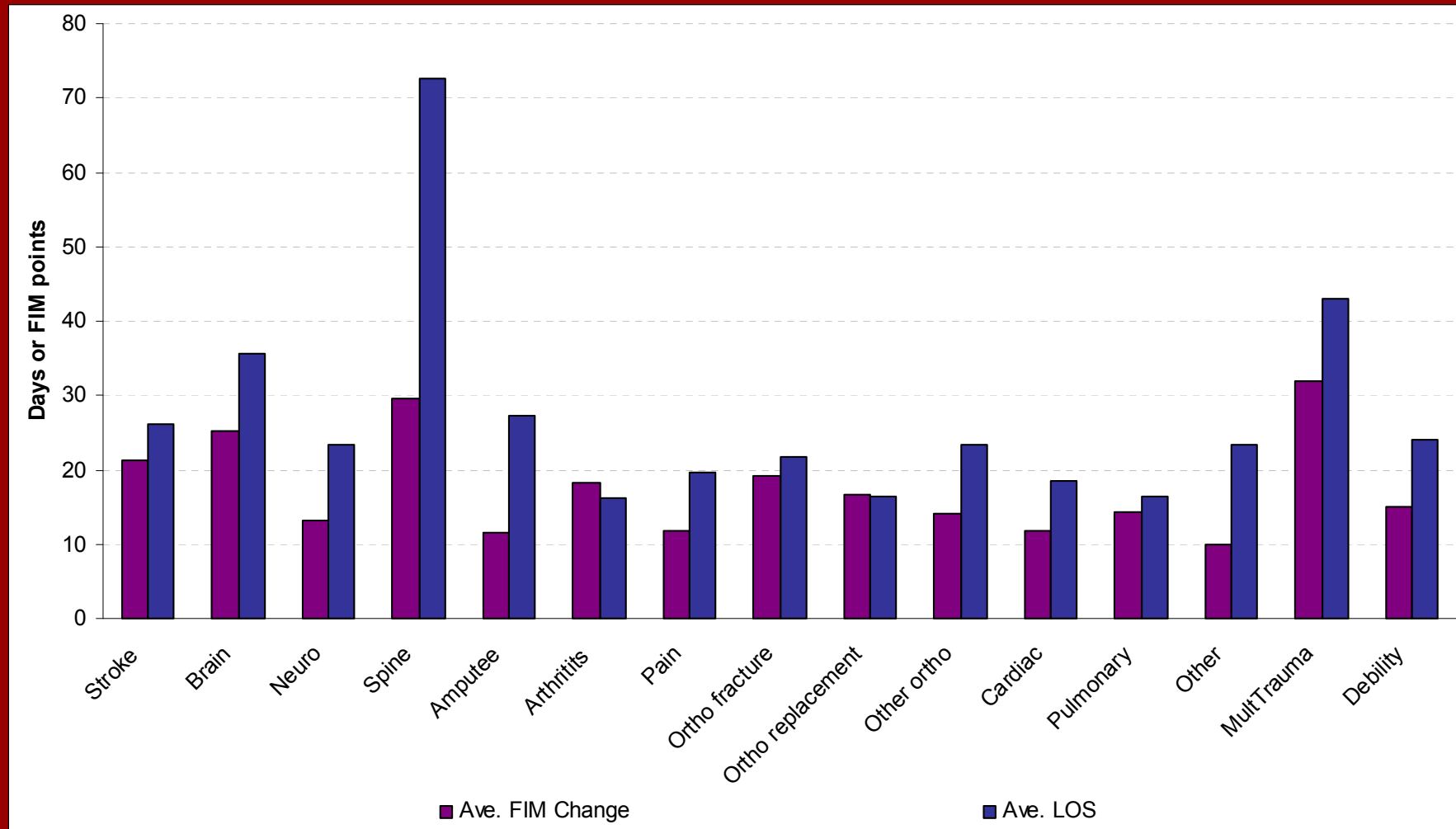


ALOS and FIM change over time



ALOS & FIM change by impairment - New Zealand

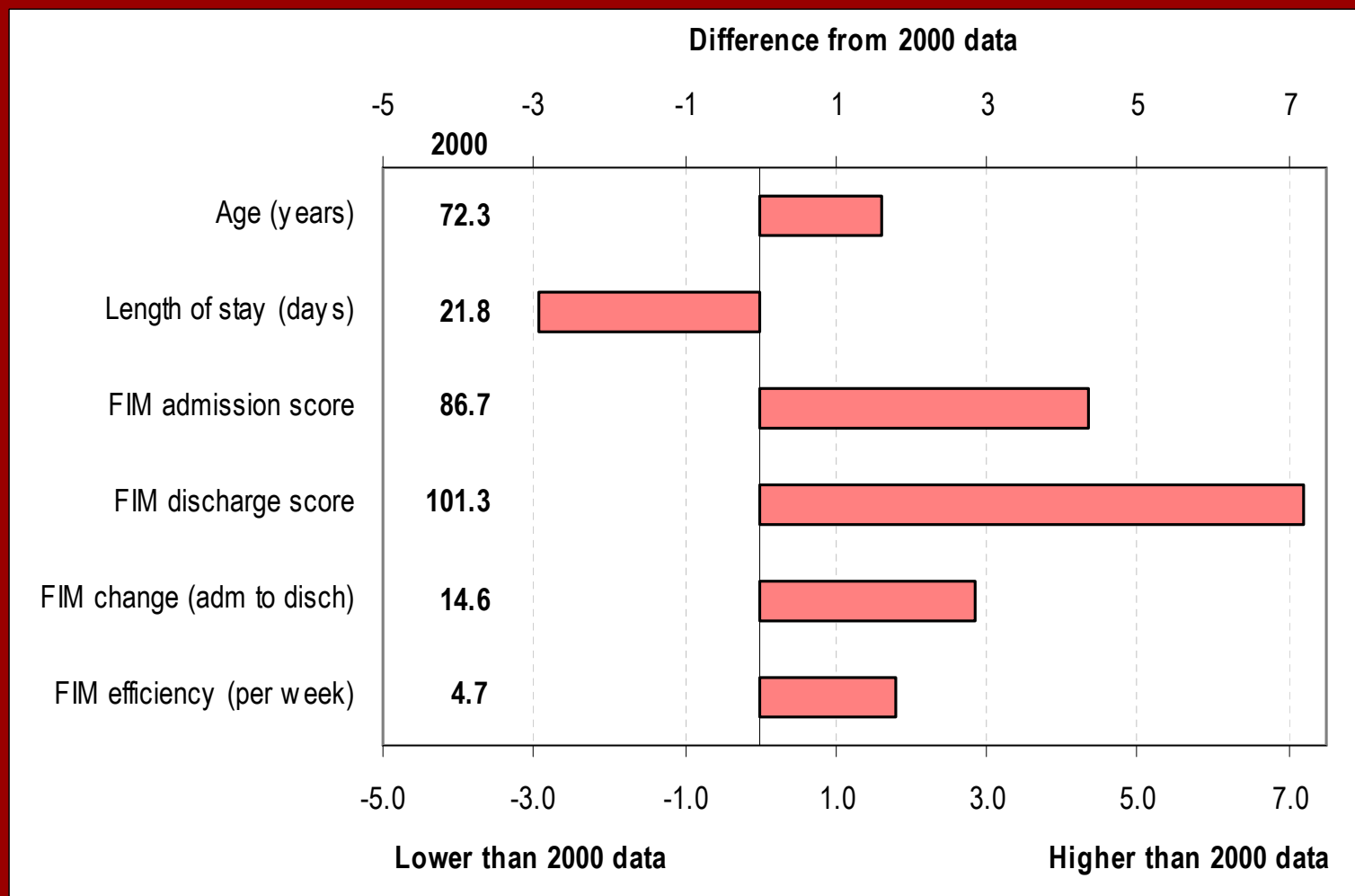
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Overall Rehabilitation Outcomes

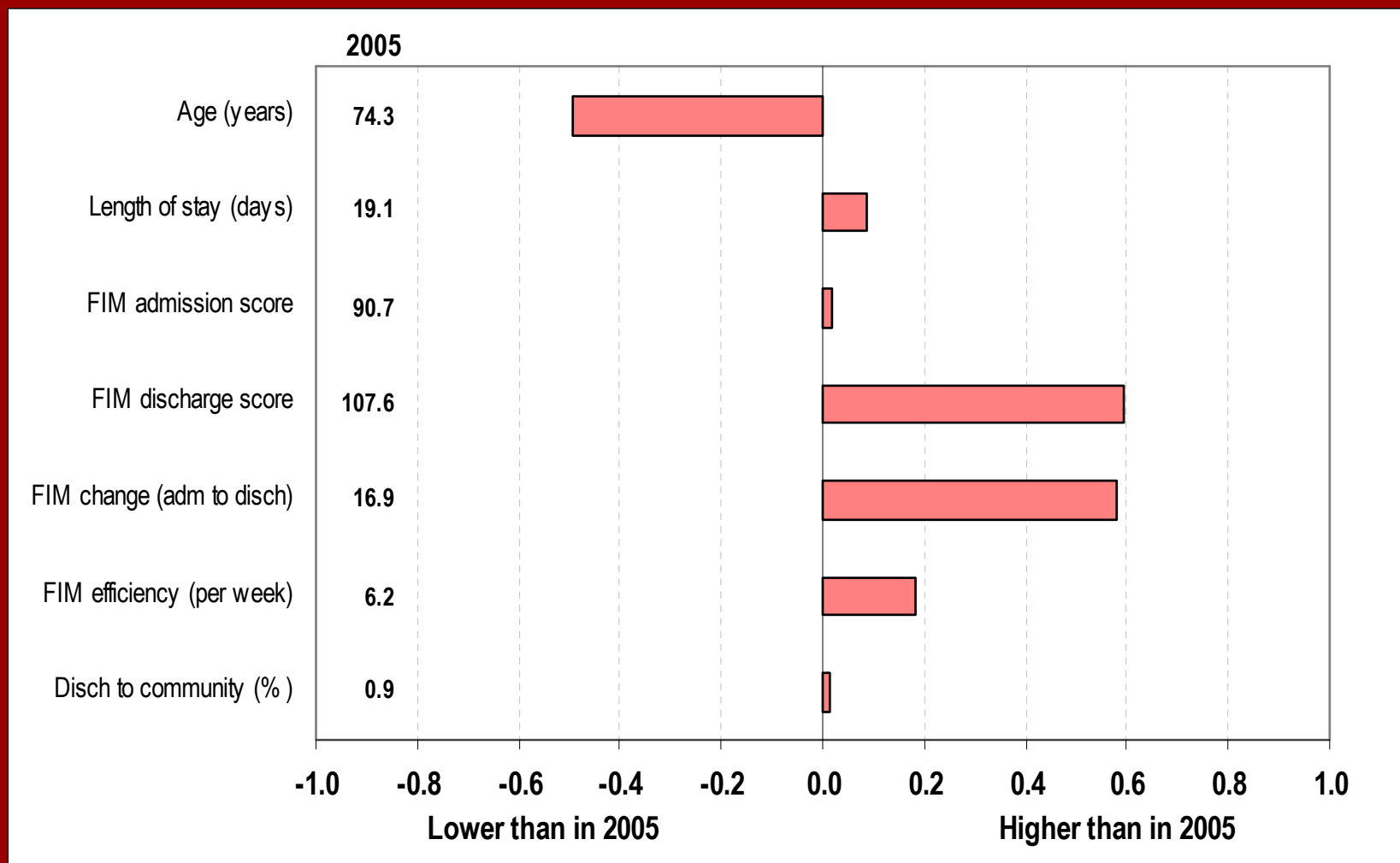
Summary - change in measures 2000-2009

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Overall Rehabilitation Outcomes

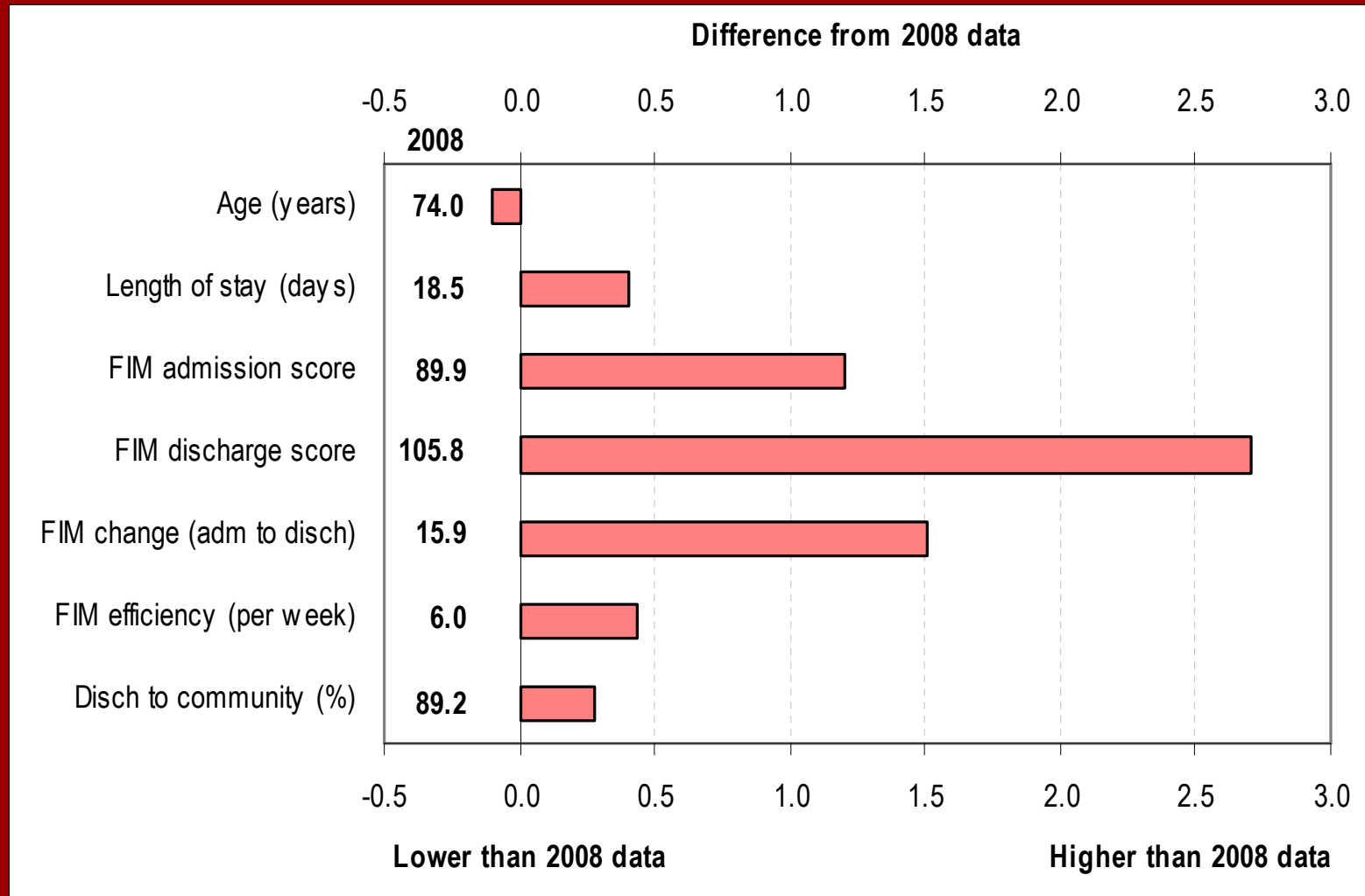
Summary - change in measures 2005-2009



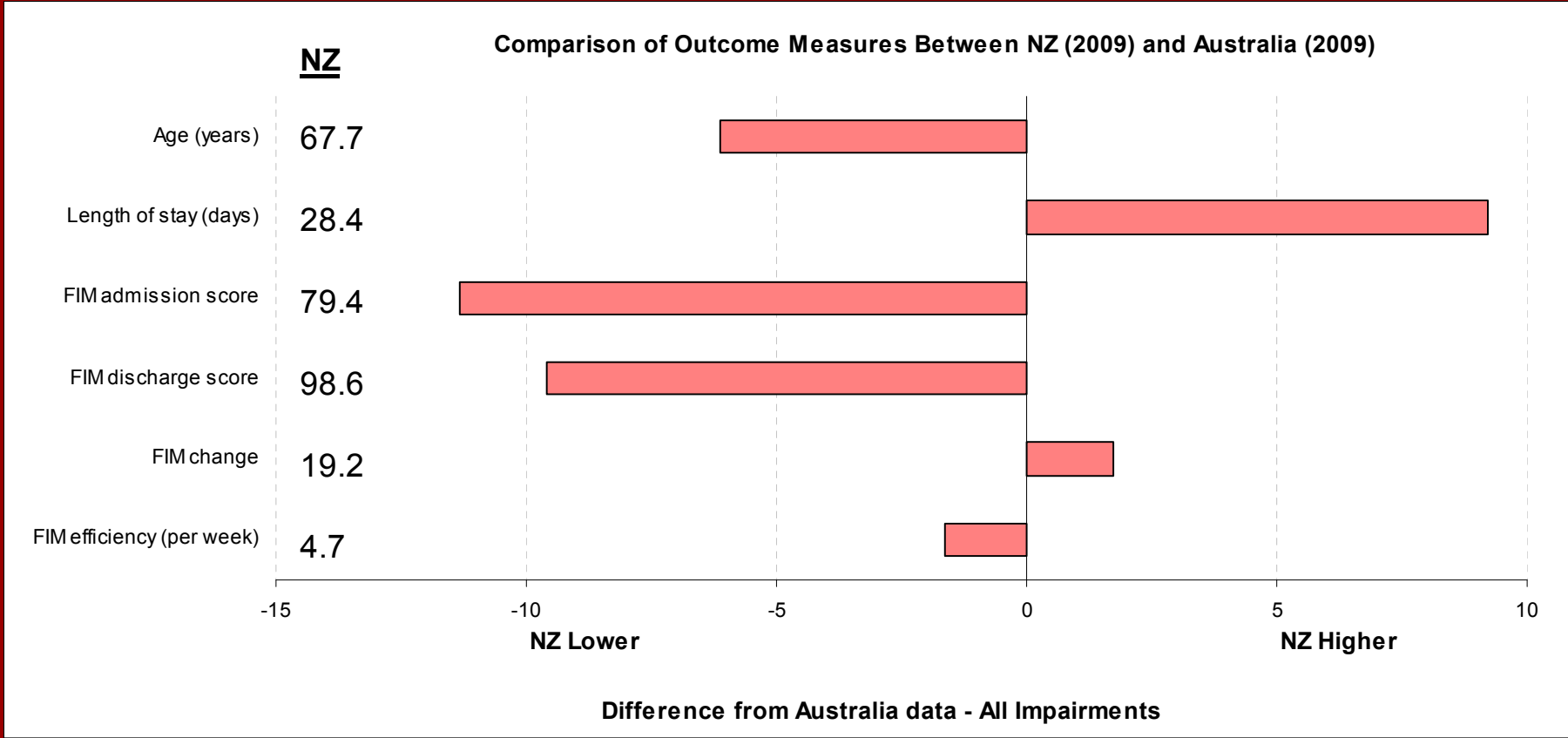
Overall Rehabilitation Outcomes

Summary - change in measures 2008-2009

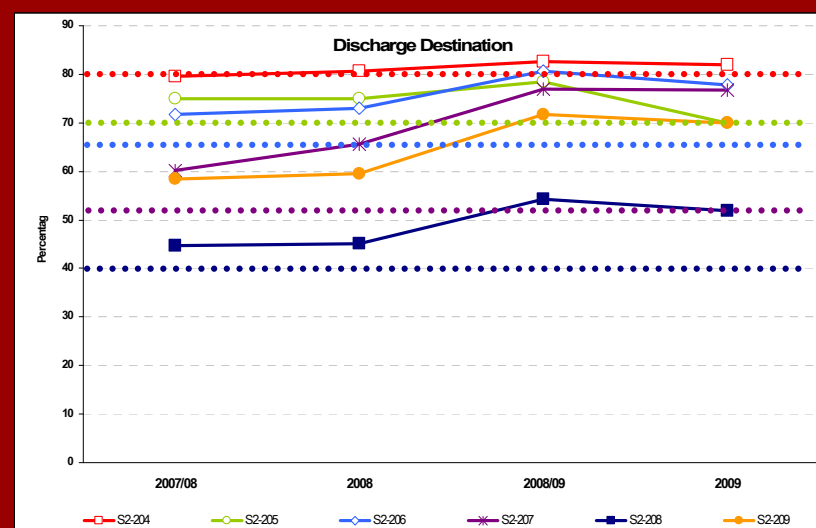
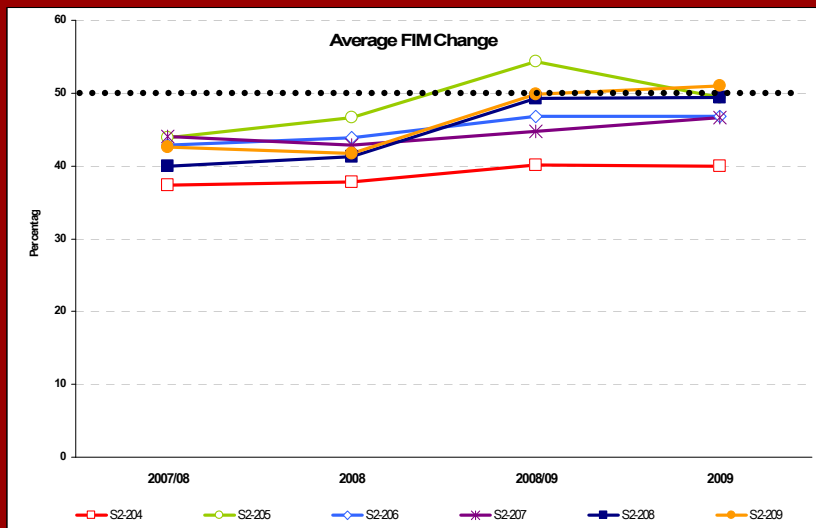
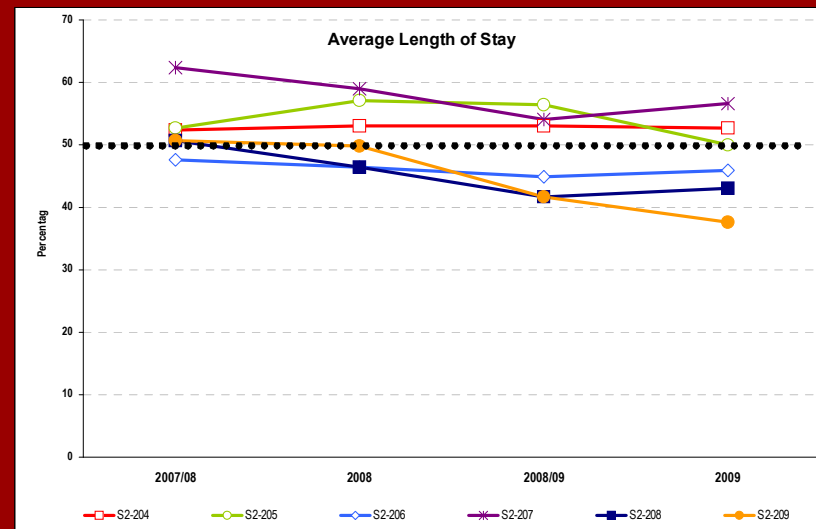
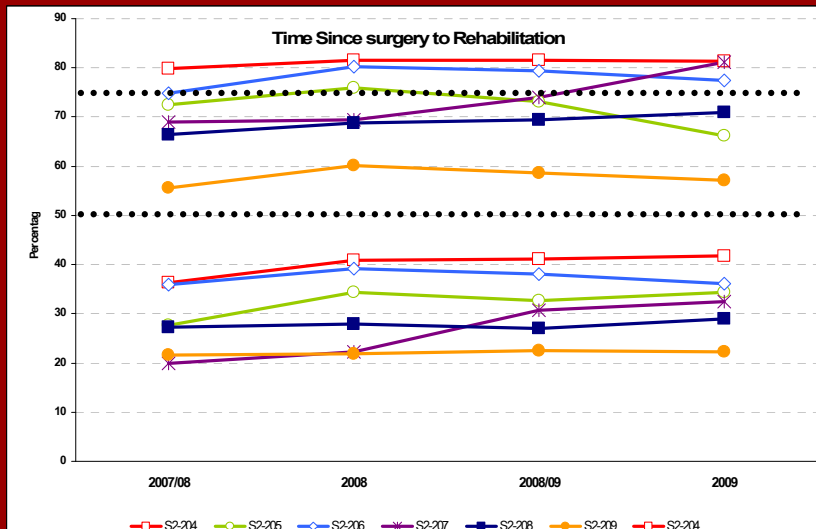
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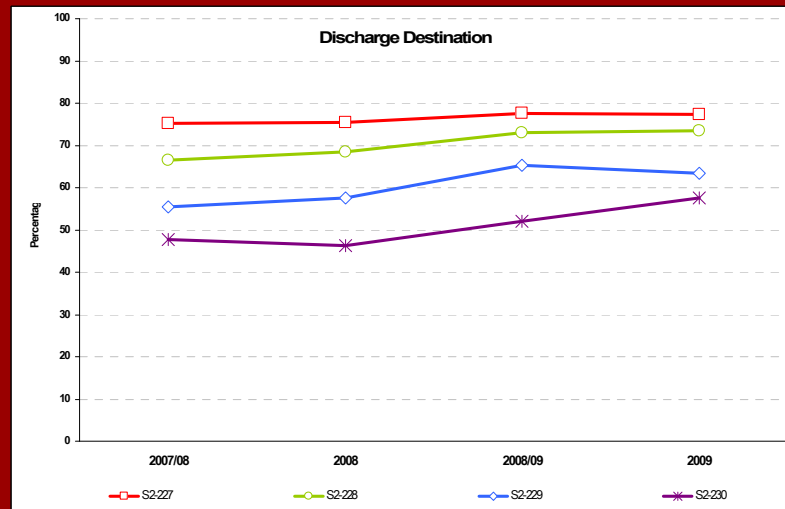
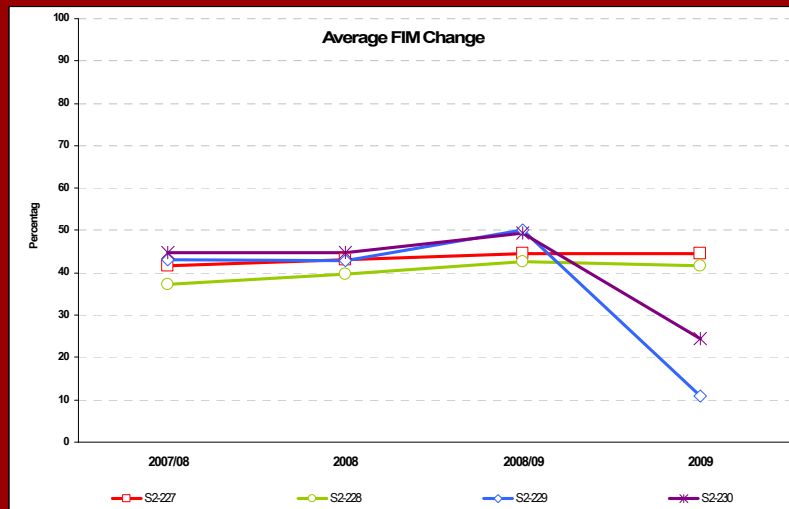
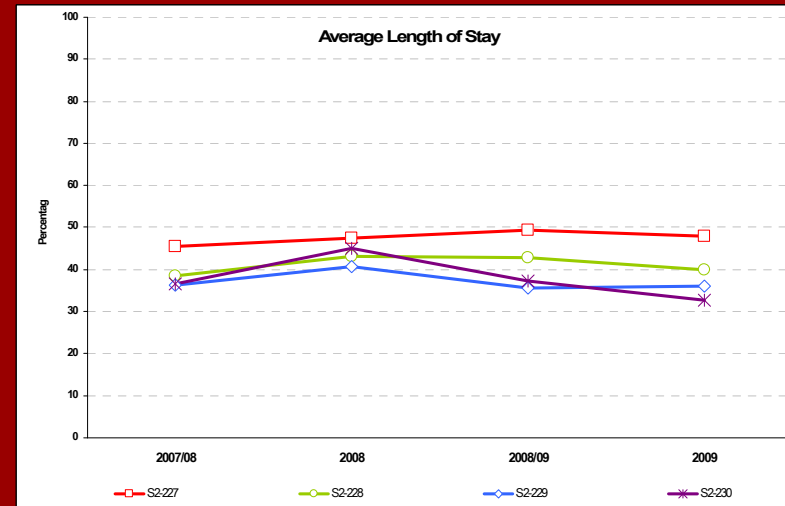
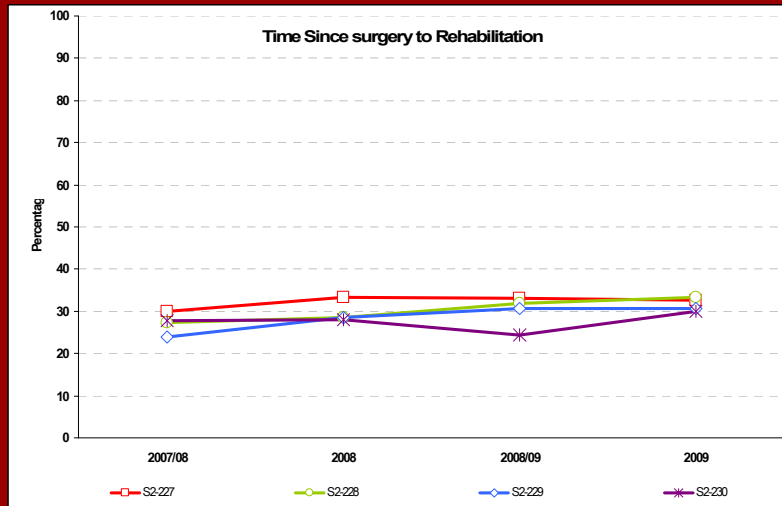
Comparison of Outcome Measures Between Australia and NZ



Achievement Against Stroke Outcome Targets



Achievement Against #NOF Outcome Targets



And next ...

- National Rehab Strategy
- Amputee workshop
- Follow up #NOF and Stroke workshops
- Ambulatory dataset rollout
- Data access protocol
- Paediatric rehab dataset development

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AROC Contact Details

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