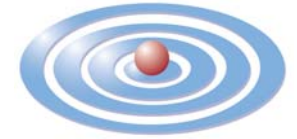


The Outcomes Calculator

An Innovative Tool in Measuring Health Outcomes

Mr. Mathew Prior
Ms. Leah Jeffries
Dr. Saravana Kumar



Who are we?

The Centre for Allied Health Evidence

(CAHE): A Collaborating Centre of the Joanna Briggs Institute

- First known Allied Health evidence centre
- Staff of 12
- Aiming to bridge the gap between research evidence and clinical practice, and encourage and stimulate collaboration between all stakeholders in health care

research
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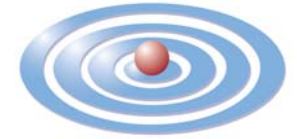
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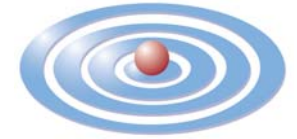
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How effective are our treatments?

- Research evidence varies
- Often unknown
- The example of LBP treatment
 - Gap between evidence and practice





Why do we need outcome measures?

- Demonstrate and reflect on the effectiveness of intervention
- Outcome measures provide standardised methods
- Commonly advocated in clinical guidelines

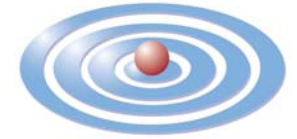




Outcomes? What outcomes?

- Depends on who you ask, and what you want to know...

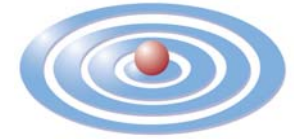




Patient outcomes

- Pain reduction
- Improved physical function
- Activity participation
- Return to pre-injury status

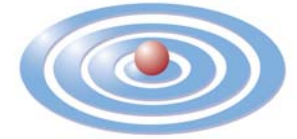




Therapist outcomes

- Decreased physical impairment
- Improved physical function
- Risk modification
- Patient satisfaction



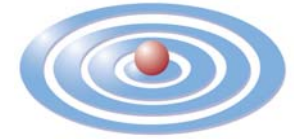


Employer outcomes

- Minimise cost – financial & productivity
- Return to pre-injury employment capacity

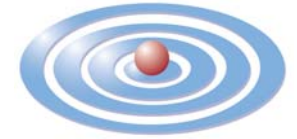
Funder outcomes

- Minimise costs
- Ensure low rate of recurrence



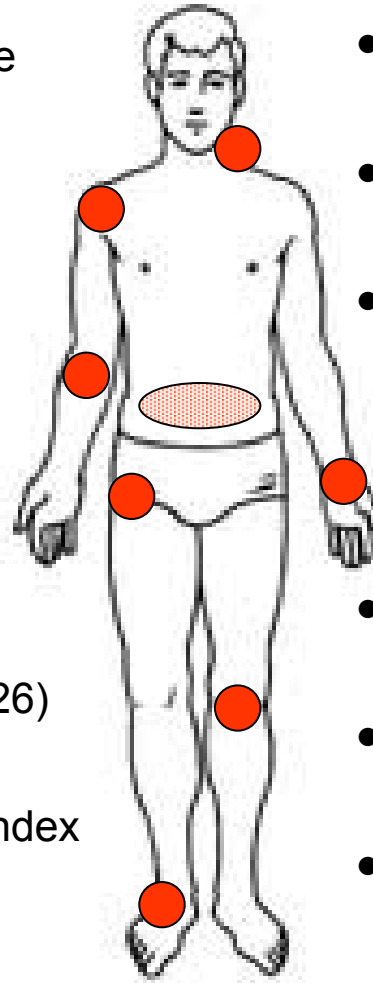
The Outcomes Calculator

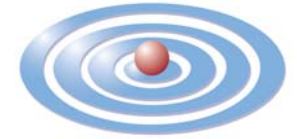
- **Aims to facilitate the use of standardised outcome measures in clinical practice to monitor change in patient status over time**
- Contains outcomes of sound psychometric properties
 - Stores and calculates outcome scores
 - Quick, simple to use



The Outcomes Calculator

- Generic Patient-Specific Scale
- Glasgow Pain Questionnaire
- Graded Chronic Pain Scale
- Oswestry Disability Index
- Roland-Morris Questionnaire
- Work-Related Disability (WL-26)
- Vernon Mior Neck Disability Index
- Pain Frequency/Intensity
- Pain Frequency/Intensity
- Whiplash Disability Questionnaire
- Neck Pain & Disability Scale
- Copenhagen Neck Functional Disability Scale
- Dizziness Handicap Inventory
- Migraine Disability Assessment
- Timed Up-and-Go

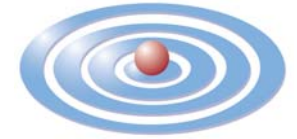




How to use

- However it best suits clinicians
 - Waiting room? In-session?
- Also captures demographic data
- Chart progress, then interpret





Users' Manual

- Background information on outcome measures
- Advice on how best to apply outcome measures to practice
- Summary of research evidence
 - Psychometric properties





Create A New Episode of Care:

Patient

New

Select

Smalls, Derek D. - b.3/08/1960

Initial Consultation

2/07/2007

Choose Fund Source

DVA / Military Compensation Scheme

Motor Accident

Private Health Insurance (Self)

Uninsured (Self)

Workers Compensation

Other: No Fund Source Specified



Specify Risk Factors:

- None
- Chronicity of Condition
- Heavy or Repetitive or Lowly Skilled Tasks
- Length of Time between Injury/Onset and Presentation at PT
- Multiple Areas of Pain
- Multiple Physical Problems at Presentation
- Potential for Behavioural/Emotional Issues
- Severity of Condition
- Other:

Specify Body Areas:

- Shoulder
- Hip
- Wrist
- General
- Knee
- Elbow
- Ankle
- Low Back
- Neck

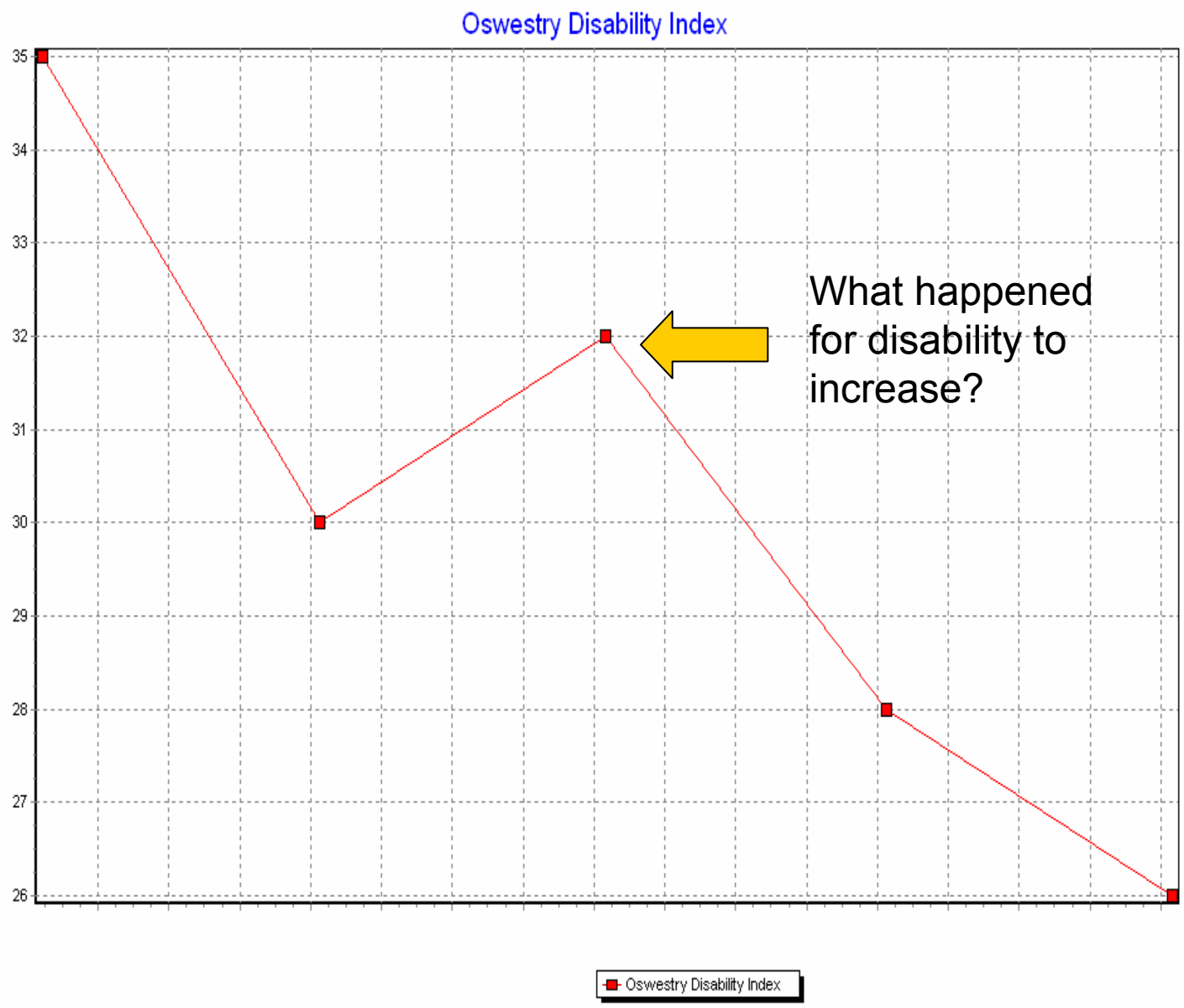


Item Selector
Oswestry Disability Index (Low Back) [v]
Print... Complete Close

Assessment
Make Assessment

Data Series
Oswestry Disability Index [v]

Measure	Value
Recorded Scores (#)	5
Baseline Score	35.0
Latest Score	26.0
Previous Score	28.0
Latest vs Baseline (%)	74.3
Latest vs Previous (%)	92.9





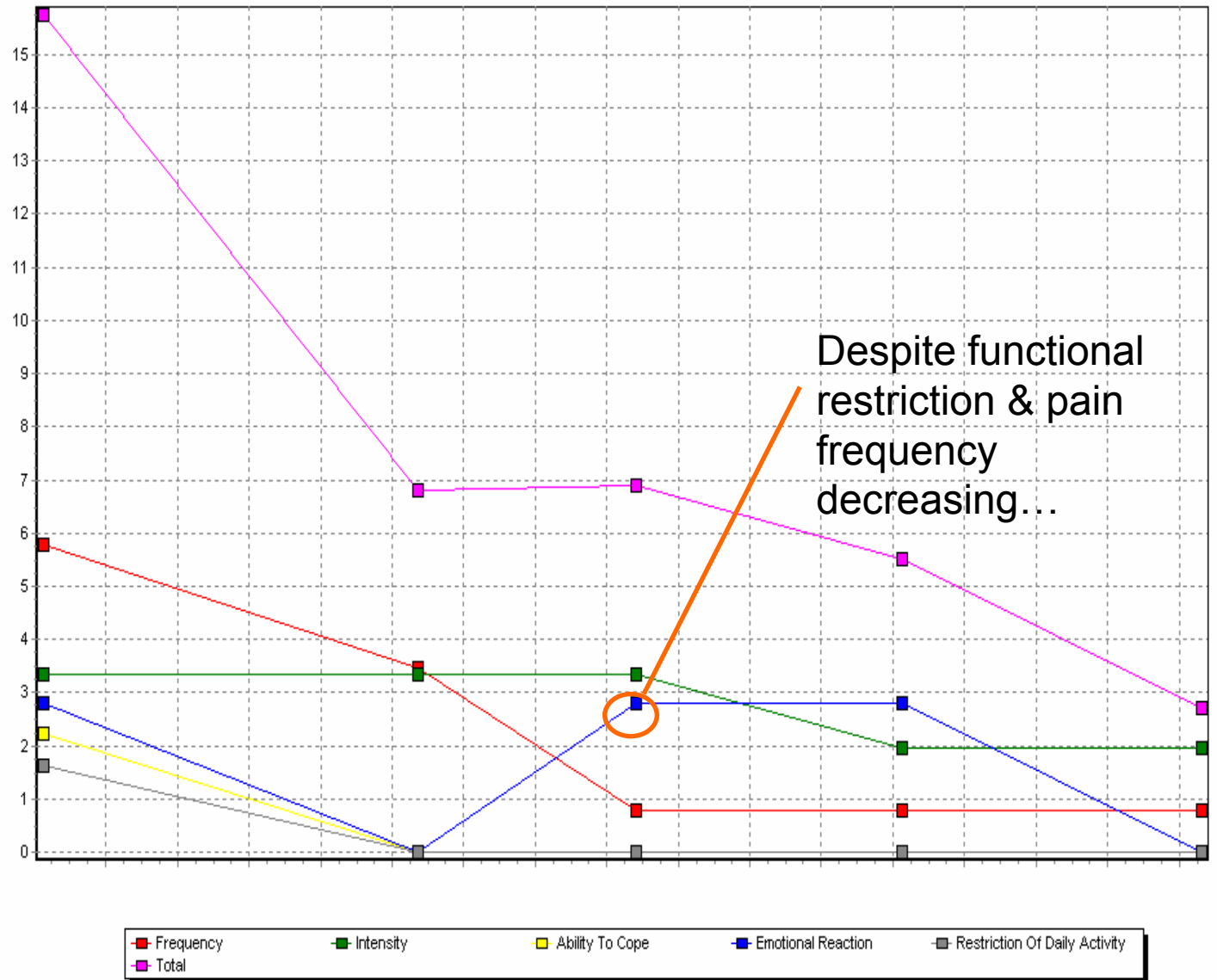
Item Selector
 Glasgow Pain Questionnaire (Low Back) [v]
 Print... Complete Close

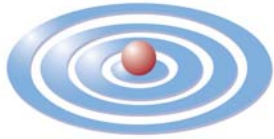
Assessment
 Make Assessment

Data Series
 Frequency [v]

Measure	Value
Recorded Scores (#)	5
Baseline Score	5.8
Latest Score	0.8
Previous Score	0.8
Latest vs Baseline (%)	13.3
Latest vs Previous (%)	100.0

Glasgow Pain Questionnaire





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Available Pairings		Selected Pairings	
Body Area	Outcomes Measure	Body Area	Outcomes Measure
Knee	Generic Patient-Specific Scale		
Knee	Glasgow Pain Questionnaire		
Knee	Graded Chronic Pain Scale		
Knee	ROM (Extension)		
Knee	ROM (Flexion)		

List of
outcome measures
for each
body area

Outcomes Calculator V2

System Data Patient Episode Therapist

Available Pairings		Selected Pairings	
Body Area	Outcomes Measure	Body Area	Outcomes Measure
Knee	Generic Patient-Specific Scale		
Knee	Glasgow Pain Questionnaire		
Knee	Graded Chronic Pain Scale		
Knee	RDM (Extension)		
Knee	RDM (Flexion)		

Generic Patient-Specific Scale

Activity 1: Running

Activity 2: Kicking

Activity 3: Tackling

Activity 4: Jumping

Activity 5: Direction change

OK Cancel

Create Occasion of Service

Service Details

Date: 10/07/2007 12:19:48 PM

Gap: 15

OK Cancel

< Prev Next > Cancel Finish

Increase the gap (days)
between measures

Outcomes Calculator V2

System Data Patient Episode Therapist

UniSA

Develop Query

Initial Consultation Before After Between
 Select All 10/07/2007 and 10/07/2007

Completion Date Before After Between
 Select All 10/07/2007 and 10/07/2007

Select Patient Select All Patient, Example A. - b.3/08/1973 (1)
 Select All

Select Body Area Select All Knee
 Add << Ankle Elbow General Hip Low Back Neck Shoulder
 Remove >>

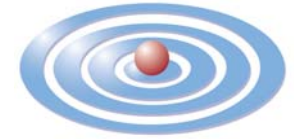
Select Outcomes Measure Select All Generic Patient-Specific Scale Graded Chronic Pain Scale
 Select All
 Add << Glasgow Pain Questionnaire Oswestry Disability Index Roland-Morris Questionnaire ROM (Abduction) ROM (Adduction) ROM (Dorsiflexion)
 Remove >>

OK Cancel Show

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Sort data by different features to export



The Outcomes Calculator,
software guide and user's manual
are available for free download at:

www.unisa.edu.au/cahe

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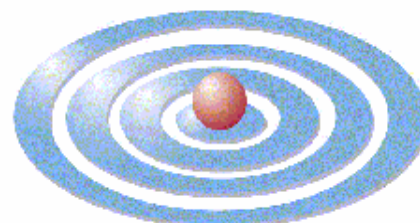
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Visit the new CAHE initiatives:

- [CAHE Allied Health News In Review](#)
- [DoHSA question and answer service for AH clinicians and managers](#)



The University of South Australia is home to the new Centre for Allied Health Evidence (CAHE), a collaborating centre of the Joanna Briggs Institute, and the first of its kind in the world.

CAHE provides essential resources for allied health workers, researchers, educators, clinicians, policy makers, administrators and patients, by providing a repository for evidence-based research in a range of areas from physiotherapy through to medical radiations. The centre provides a unique opportunity to produce evidence-based solutions to allied health problems and ensure that treatment strategies are based on the best evidence and research available.

By focussing on physiotherapy, occupational therapy, podiatry, complementary and alternative therapies, and medical radiation, CAHE will increase community and clinical awareness of the importance of these therapies in the whole health picture. Evidence-based research will provide a significant impact on allied health care by taking relevant, high quality, evidence-based research and ensuring it is widely disseminated.

For further information, contact Professor Karen Grimmer-Somers, Director, Centre for Allied Health Evidence.



Any questions?



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