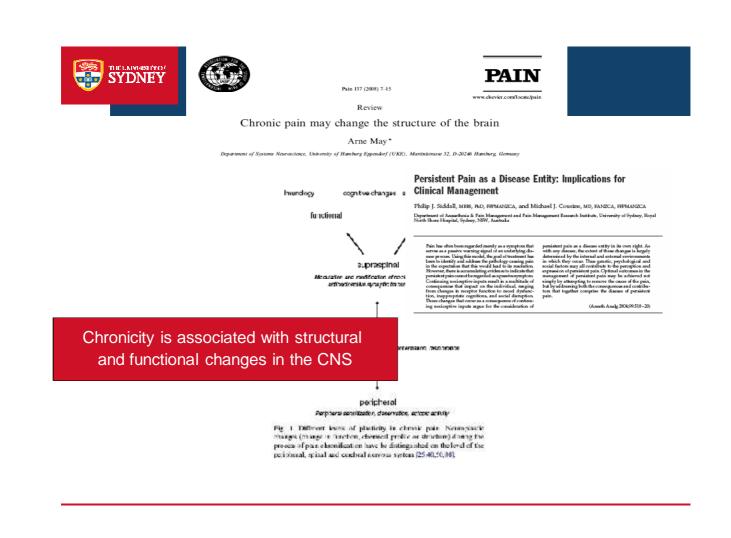


# 

### Overview of talk

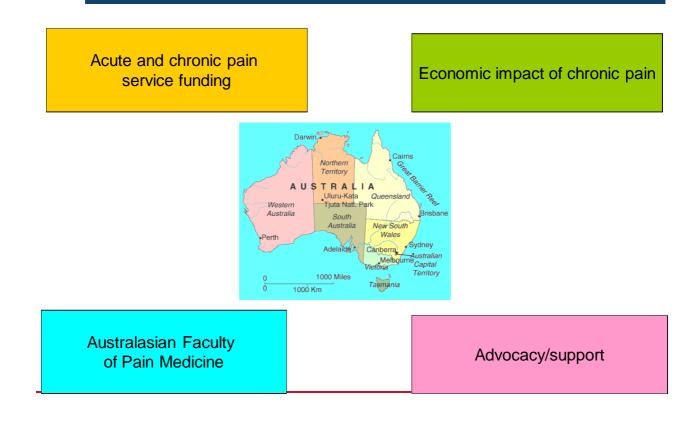
- recent evidence that helps define chronic pain as both a condition in its own right, and as a significant public health problem
- a population-focussed approach to managing the burden of chronic pain

barriers to progress





#### How can pain epidemiology help? - the Australian experience

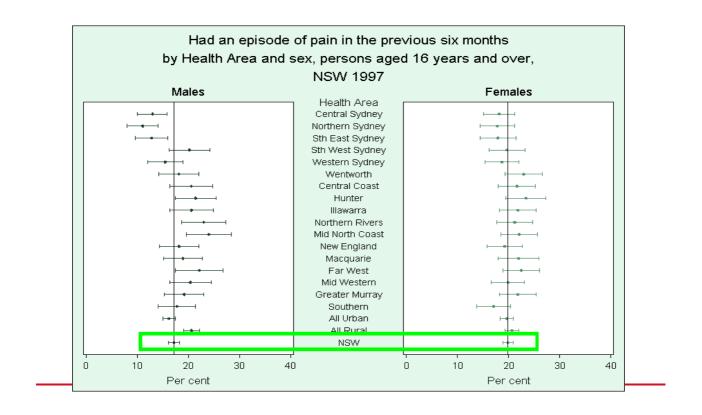




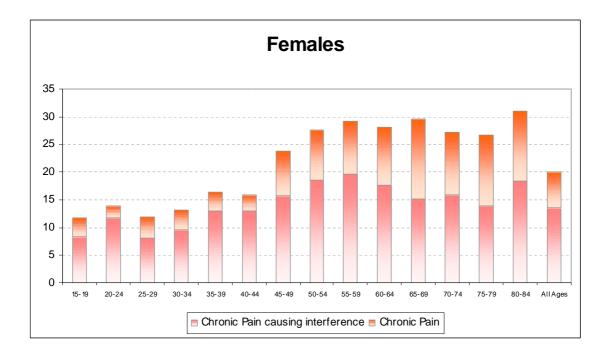
SYDNEY

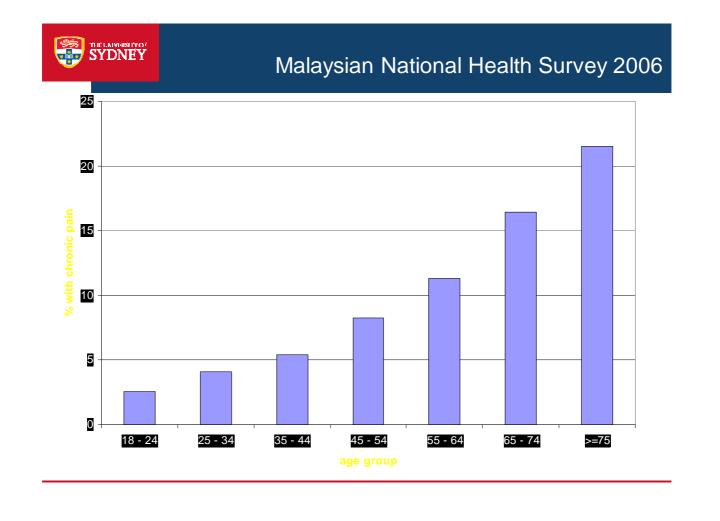
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# Putting the population back into pain research



NSW Health Survey - prevalence of chronic pain and painrelated disability, females (Blyth et al, Pain 2001)









- Based on a range of reports using the same methods of costing, chronic pain had the <u>third highest</u> level of health expenditure (\$34 billion per year)
- Chronic pain outranked cancer, depression, stroke, diabetes and asthma in costs



# Without this information

- Pain has little or no visibility as a health care problem
- It is very difficult for chronic pain to compete with other more 'established' conditions for limited health resources
- Areas of unmet need go unnoticed

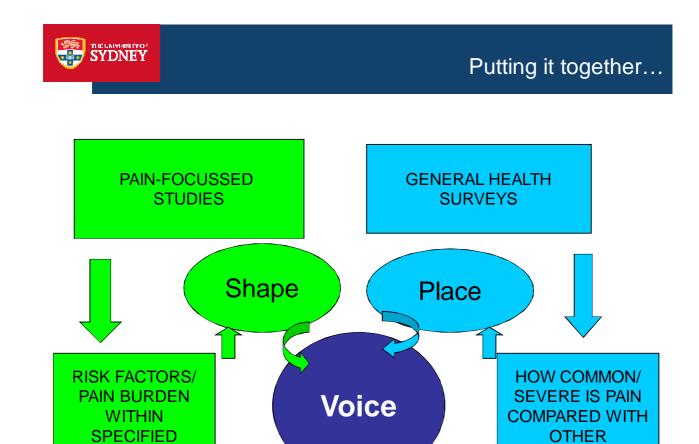


POPULATIONS

#### Giving pain a voice and a shape

**CONDITIONS?** 





# What is a public health problem?

### > Lots of it

- Costly to individuals (health, quality of life)
- > Expensive



### Overview of talk

- recent evidence that helps define chronic pain as both a condition in its own right, and as a significant public health problem
- a population-focussed approach to managing the burden of chronic pain

> barriers to progress

# What is a public health problem?

### Lots of it

- Costly to individuals (health, quality of life)
- > Expensive

- Population-level factors influence incidence and outcomes
- Strong 'social patterning'
- Acting at the level of individuals alone will NOT address the problem of population burden



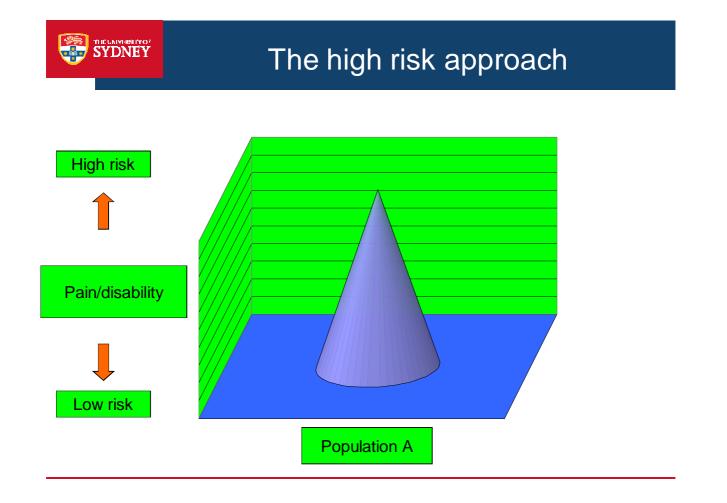
We need a multi-pronged approach...

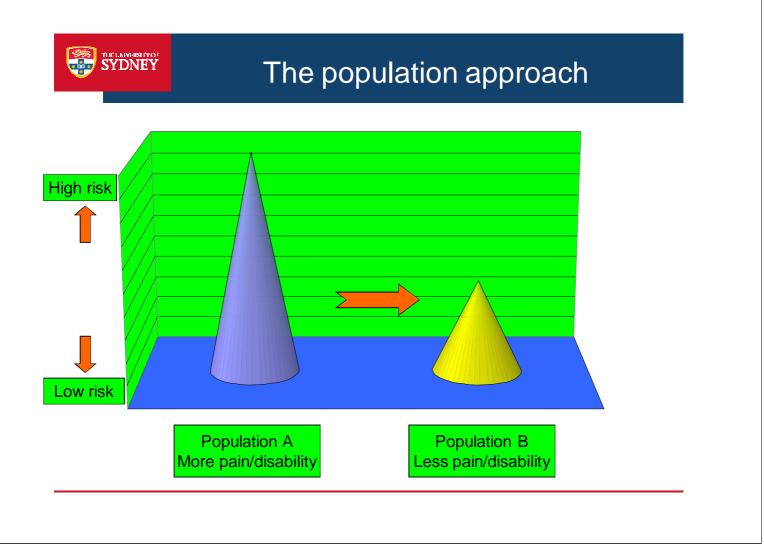
"...societal, lifestyle, and molecular explanations of disease are interconnected and mutually reinforcing, not stark alternatives locked in mortal Combat" Poole and Rothman J Epidemiol Community Health 1998

In other words, the biopsychosocial model!



- A high-risk individual approach to chronic pain will NOT succeed in reducing the problem at population level
- Important intervention targets will be overlooked if uniquely population-level risk factors are not identified
- We are not optimising our intervention strategies







## Thinking about risk factors





- Is there a threshold effect?
- What is the contribution of current vs. former pain?
- What is the contribution of childhood vs. adult-onset pain?
- What is the contribution of maximum pain versus duration of pain?
- At what level of pain does increased susceptibility to chronic pain begin?



# These questions are not new...

There are other examples of recently-emerging public health problems, for example overweight/obesity...



- Is there a threshold effect?
- What is the contribution of current vs. former obesity?
- What is the contribution of childhood vs. adult-onset weight?
- What is the contribution of maximum overweight versus duration of overweight?
- At what level of overweight does increased susceptibility to diabetes begin?



- Longitudinal studies show that chronic pain is dynamic over time
- Risk factors for getting chronic pain are not necessarily also risk factors for staying in chronic pain
- Risk exposures and pain experience are dynamic across the lifespan



# Early life exposures also track for musculoskeletal functioning in adulthood

doi:10.1093/rheumatology/kep213

Rheumatology 2009;48:1181–1182 Advance Access publication 20 July 2009

Editorial

Musculoskeletal health-how early does it start?

Fiona M. Blyth, Gareth T. Jones, and Gary J. Macfarlane **Musculoskeletal health—how early does it start?** Rheumatology Advance Access published on July 20, 2009 Rheumatology 2009 48: 1181-1182; doi:10.1093/rheumatology/kep213



# SYDNEY

### Overview of talk

- recent evidence that helps define chronic pain as both a condition in its own right, and as a significant public health problem
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#### barriers to progress



### Problems of competition:

>My disease is bigger than yours

>My disease is better-funded than yours



What we are up against

Problems of recognition:

- > How do we give pain a 'shape' like cancer?
- Symptom vs. condition debate
- Case definitions
- Unambiguous coding within the health system (e.g. ICD codes)
- Disease registries



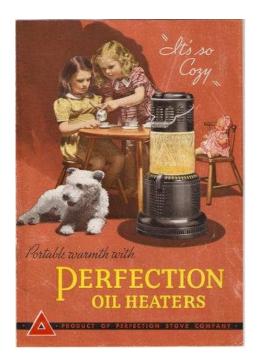
# How does pain relate to other health priority areas?

# Injury, musculoskeletal conditions, cancer, healthy ageing

Pain as a long-term outcome of injury is rarely recorded



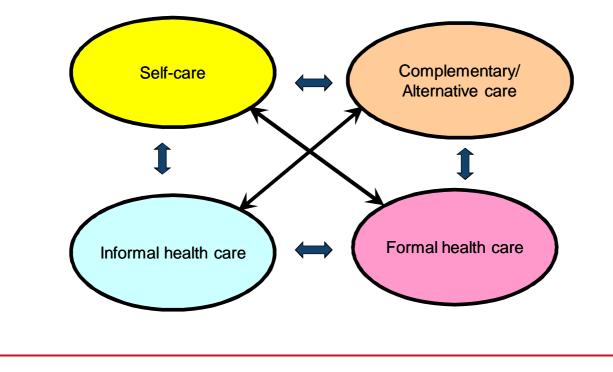
Models of care - the ideal world



- > Abundantly well-funded
- Targeted at welldefined groups with clear potential to benefit from interventions
- Have a 'whole of population focus'
- Underpinned by effective, evidencebased interventions



# Types of care used in the community







Disease burden now known: 1 in 5 people

Associated disability known

- > Financial costs of \$34 bn per year
- Chronic Pain increasingly seen as a disease entity
- BUT pain NOT on national radar
- Major changes to national health care system on the way

# NATIONAL PAIN SUMMIT – AUSTRALIA who was involved

- Led by ANZCA / AFPM, APS and Consumer groups ( Chronic Pain Australia & Consumer Health Forum)
- Inaugural supporters: PMRI and MBFF
- Grants from pharmaceutical, biotechnology and insurance companies
- More than 130 health & Consumer organisations
- Over 200 stakeholder participants
- Multidisciplinary input AND interdisciplinary input

- Steering Committee Meetings: Nov 08, Feb, Apr, June, Oct 09
- Working Groups: Models of Care, Primary Care, Evidence
- Leaders Meeting: ANZCA Sept 09
- Draft National Pain Management Strategy: launched Oct 09
- Summit: 11 March 2010

#### NATIONAL PAIN SUMMIT – AUSTRALIA activities

- > Reference Groups Acute, Cancer, Paediatrics, Geriatrics
- Consultation Industry
- Visits Canada, USA, UK Oct Nov 09
- Political advocacy Oct 09 March 10 & beyond
- Media program Oct 2009 March 10
- > Pain Summit March, 2010 Parliament House
- Next steps underway
- Montreal



#### DRAFT NATIONAL PAIN MANAGEMENT STRATEGY GOALS

- People in pain as a National Health Priority
- Knowledgeable, empowered and supported consumers
- Access to skilled professionals and evidencebased care
- Access to interdisciplinary care at all levels
- Quality improvement and evaluation
- Research agenda, adequate resources & translation to care

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## "If the world should blow itself up, the last audible voice would be that of an expert saying it can't be done"

Peter Ustinov