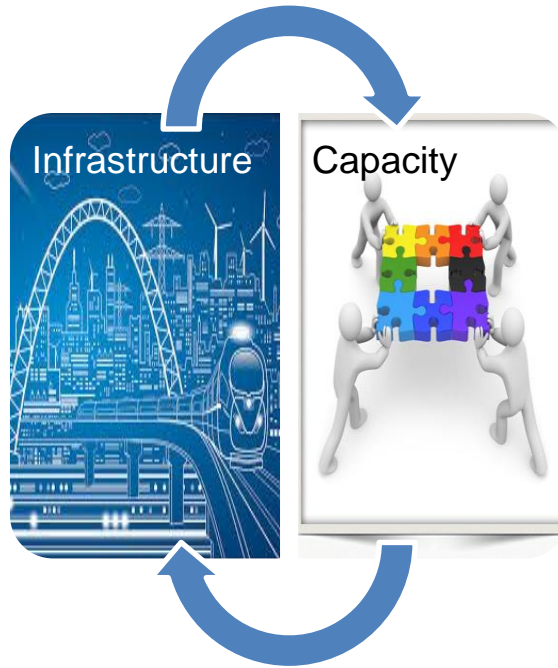


DEVELOPING
RESEARCH
INFRASTRUCTURE
AND CAPACITY IN
OSTEOPATHY

UTS:ARCCIM

CRITICAL METHODS, TRANSLATIONAL RESEARCH

PILLARS OF ADVANCEMENT THROUGH RESEARCH



BUILDING INFRASTRUCTURE

- There is an urgent need for initiatives that build upon a number of interrelated, distinct features:
 - a critical, non-partisan research approach;
 - adopt and build upon rigorous health and medical research methods and designs;
 - coordinated, broad and multidisciplinary in research focus;
 - be inclusive and research network building
 - facilitate and promote research networks where already established
 - encourage and grow networks and research activity elsewhere as necessary



PRACTICE-BASED RESEARCH NETWORK?

“A group of ambulatory practices devoted principally to the primary care of patients, and affiliated in their mission to investigate questions related to community-based practice and to improve the quality of primary care”

Davis et al (2012) J Healthcare Leadership 4:107-116

Formal collaborations between community-based practices and academic institutions

Produce research findings that are relevant to clinicians and more easily assimilated into everyday practice

Promotes both ‘bottom-up’ and ‘top-down’ research

Enables examination of a broad range of research questions and employment of diverse research methodologies

WHAT MAKES ARCCIM PBRN'S UNIQUE?

CAM PBRNs = 9

> Chiropractic = 5

> Osteopathic = 2

> Integrative medicine = 1

> Complementary medicine = 1

Total number of practitioner members

Bravenet (Integrative medicine) = 14

PRACI = 1043

ACORN = 1800 (36%)

ORION = 757 (48%)



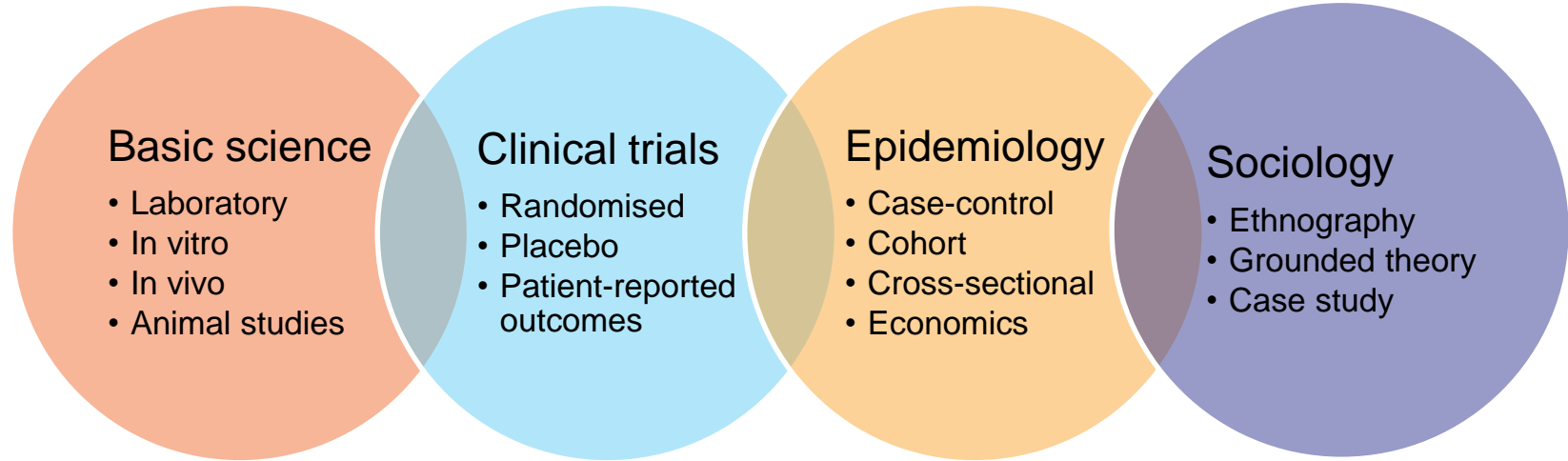
WHAT MAKES PRACI UNIQUE?



Substudy
design



DIVERSE RESEARCH APPROACHES



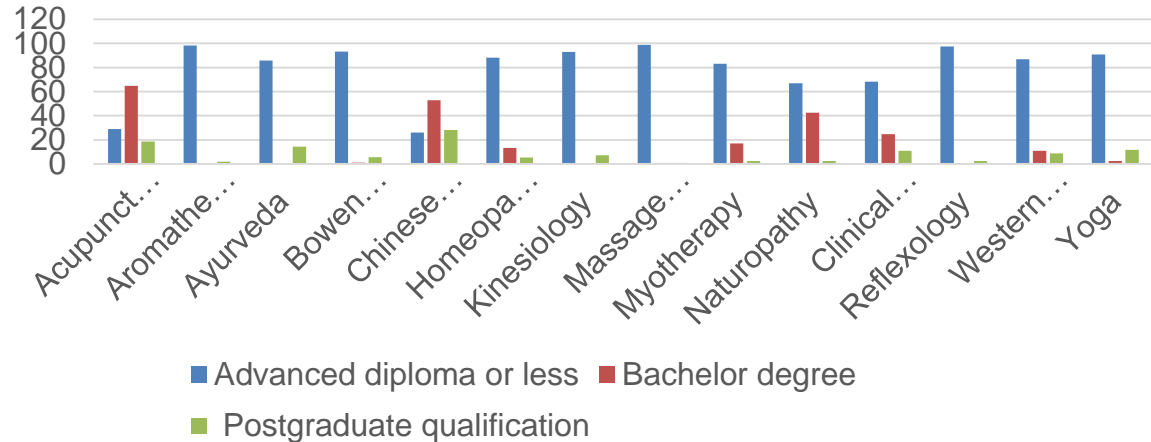
EXAMPLE: THE PRACTITIONER RESEARCH AND COLLABORATION INITIATIVE (PRACI)

- Age:

Less than 40 years old	25.0%
40-59 years old	59.4%
60 years old or greater	15.6%

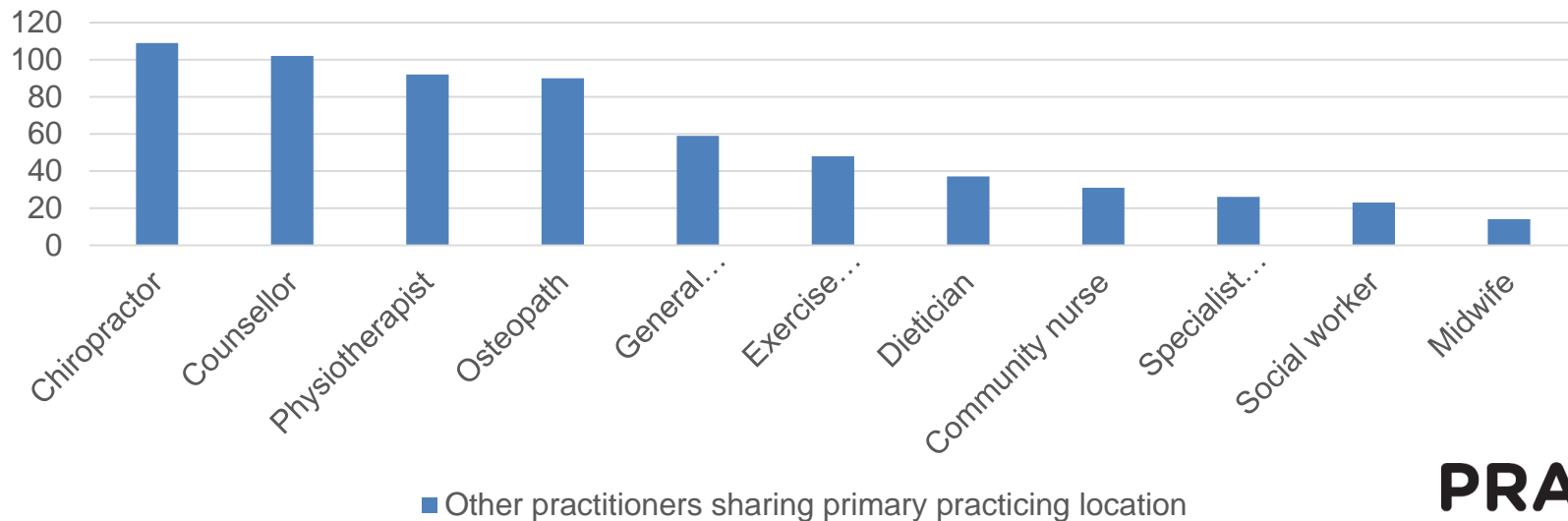
- Gender: 76.9% female

- Qualifications:

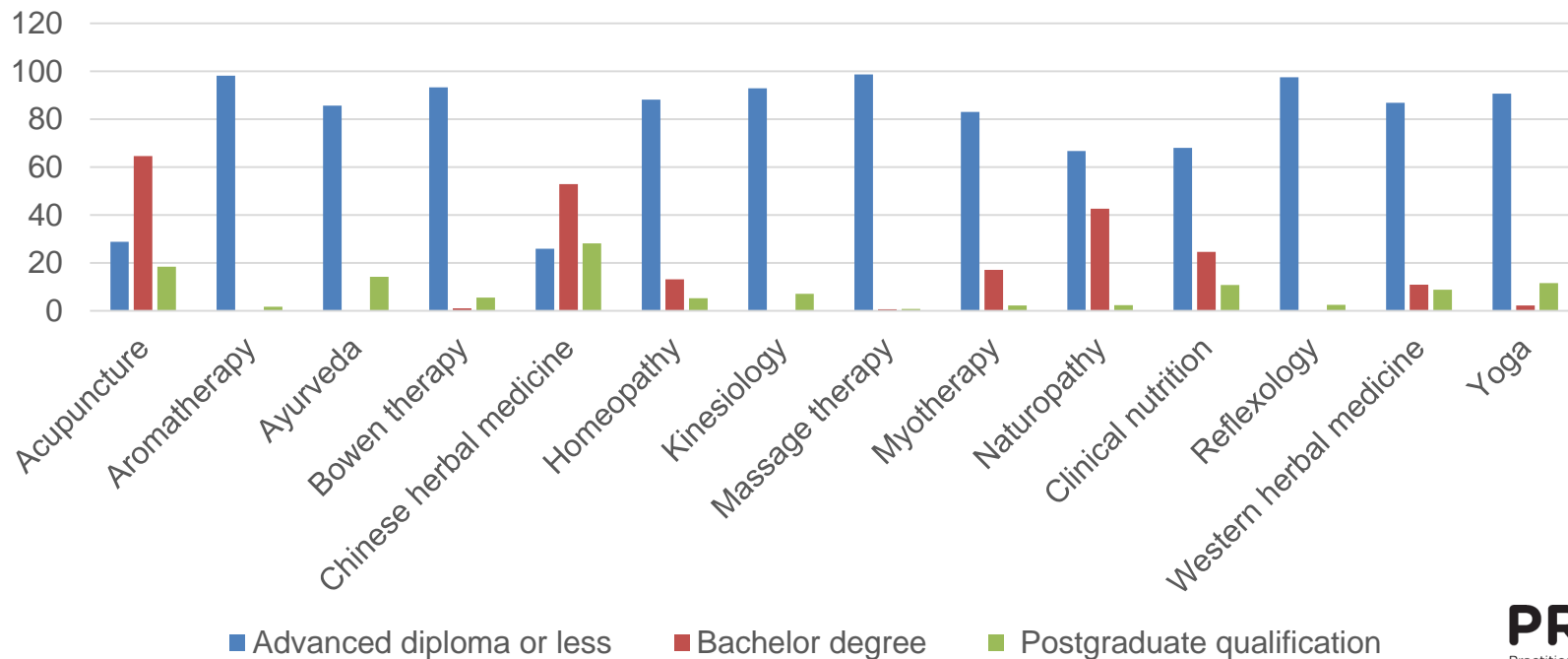


HEALTH SYSTEMS

Number of practitioners sharing their primary clinical practice with another profession (n=748)



WORKFORCE CAPACITY



HEALTH ECONOMICS

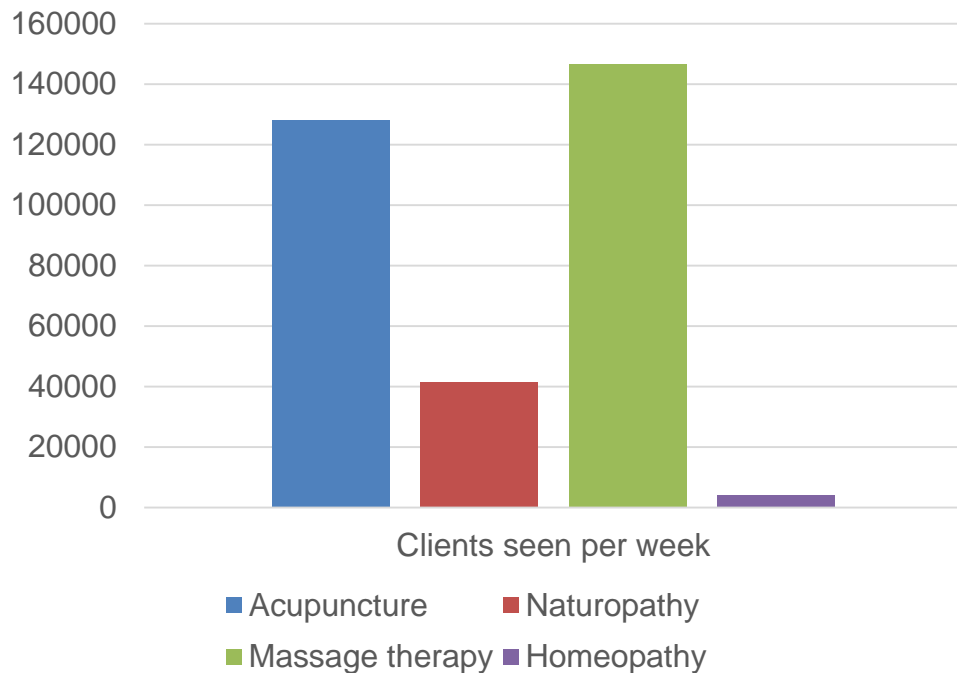
Average days per week working as CM practitioner	3.8 days
Average client hours worked per week	18.2 hours
Average clients seen per week	17.2
Average NEW clients seen per month	24.4
Average consultation fees per hour	\$84.80

Average weekly practice income: \$1543.36 per week (3.8 days)/\$80 254.72 p/a
Total estimated CM consultation income per annum: \$5.86 billion*
More than 40% increase in last 10 years**



*based on 69.2 million consultations reported by Xue et al (2007)
**based on \$4.13b "out of pocket" expenditure on CM reported by Xue et al (2007)

TOTAL HEALTH/ECONOMIC CONTRIBUTION



Total number of consultations per week:
320 411

Total number of consultations per year:
16 million

Total consultation fees paid per year:
AUD\$1.5 billion

PRACI SUBSTUDIES

1. Prevalence of use

- > An exploration of Complementary and Alternative Medicine use for the management of acute respiratory tract infections in children

2. Scope of health conditions treated

- > Medical conditions and symptoms presenting to practitioner of Complementary Medicine in Australia. A snapshot across CM modalities.

3. Managing national health priority areas

- > Treating people with arthritis in traditional Chinese medicine: an examination of the perceptions of traditional Chinese medicine practitioners.

4. Health promotion

- > The rationale, practices and knowledge of Australian naturopaths, Western herbal medicine practitioners and nutritionists associated with recommending gluten free diets: A national survey

5. Preventive medicine

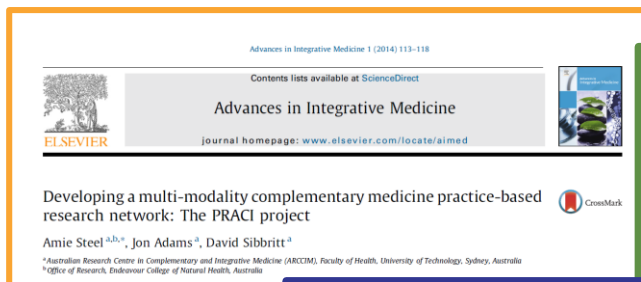
- > Exploring the contribution made by Australian Naturopaths to the management of individuals with cardiovascular disease and/or known cardiovascular disease risk factors

6. Clinical outcomes

- > Comparative effectiveness study of the clinical and cost outcomes on massage for the management of chronic low back pain in Australia

PUBLICATIONS

1. Steel, A., Sibbritt, D., Schloss, J., Wardle, J., Leach, M., Diezel, H., & Adams, J. (2017). An Overview of the Practitioner Research and Collaboration Initiative (PRACI): a practice-based research network for complementary medicine. *BMC Complementary and Alternative Medicine*, 17(1), 87.
2. Reid, R., & Steel, A. (2015). The importance of the PRACI project for grass roots complementary medicine practice: A call for practitioner involvement. *Australian Journal of Herbal Medicine*, 27(3), 101.
3. Steel, A., Adams, J., & Sibbritt, D. (2014). Developing a multi-modality complementary medicine practice-based research network: The PRACI project. *Advances in Integrative Medicine*, 1(3), 113-118.



Capacity Building: An International Research Leadership Program

Distinguished Professor Jon Adams

ARC Professorial Future Fellow

Distinguished Professor of Public Health, UTS

Director, Australian Research Centre in Complementary and Integrative Medicine

Senior Fellow, Oxford International Primary Care Research Leadership Program, University of Oxford, UK

National Convenor, Public Health Association of Australia Special Interest Group in 'Evidence, Research and Policy in Complementary Medicine'



Australian Government
Australian Research Council



Public Health Association
 AUSTRALIA



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 CRITICAL METHODS, TRANSLATIONAL RESEARCH



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**Pan American
 Health
 Organization**

*Regional Office of the
 World Health Organization*





Oxford International Primary Care Research Leadership Program



International CM Research Leadership Program

International Naturopathy Research Leadership Program



UTS:ARCCIM
INTERNATIONAL COMPLEMENTARY MEDICINE RESEARCH
LEADERSHIP AND CAPACITY BUILDING PROGRAM
2014



UTS:ARCCIM
CRITICAL METHODS, TRANSLATIONAL RESEARCH

Program Features

Competitive call and appointment (10-12 early career Fellows)

Annual residential

Mentoring and career development – challenges and opportunities

Methodology and project design skills

Expert masterclasses

Prestigious guest speakers

Collaboration on current databases, projects and papers

Social and cultural program

IMPACT AND OUTPUT



Co-ordinating capacity with infrastructure



Speeding up growth in evidence-base

3 yrs

110 papers

9 projects

4 promotions



International networking and collaborations



Facilitating development of individual careers, practice and wider profession



Strengthening bond and ties between research and practice



Ensuring retention, growth and sustainability

