

# HEALTH PROFESSIONALS RESEARCH EDUCATION PROGRAM –

## Session 4: RESEARCH SUPPORT SERVICES



12.30 – 2.00pm Friday 9 November 2018  
John Hunter Hospital – Small Lecture Theatre [6067]



# VIDEO CONFERENCE ETIQUETTE

- This Education session is being **recorded**
- If you are joining us from a remote location – **WELCOME**
- May I ask you to complete login – then **MUTE YOUR MICROPHONE**

## ACKNOWLEDGEMENT OF COUNTRY

We acknowledge and pay respect to the **Awabakal People**,  
traditional custodians of the land on which  
the John Hunter Hospital is situated  
and also acknowledge and pay respect to other  
Aboriginal and Torres Strait Islander nations from which our  
students, researchers, staff and community are drawn



Agenda	Speaker
<b>HMRI Clinical Research Design and Statistics (CReDITSS)</b>	Chris Oldmeadow, Director and Senior Statistician, HMRI
<b>HMRI Health Economics</b>	Andrew Searles, Health Economist, HMRI
<b>HNE Health Library services</b>	Angela Smith, Liaison Librarian/Research Support
<b>HNELHD Health Research Translation Centre</b>	John Wiggers, Director, HTRC
<b>UON Research Advantage Program</b>	Jo Dixon, Manager Research Advantage Program, UON
<b>Questions and Close</b>	

# HMRI CReDITSS

## **SPEAKER:** Doctor Chris Oldmeadow

Director and Senior Statistician, HMRI Clinical Research Design and Statistics (CReDITSS) and  
Conjoint Senior Lecturer, School of Medicine and Public Health , Faculty of Health and Medicine UON



**Health**  
Hunter New England  
Local Health District



# CReDITSS

Clinical Research Design, Information Technology, Statistical Services

**Chris Oldmeadow**, Associate Director

9<sup>th</sup> November 2018

In partnership with our community



**Health**  
Hunter New England  
Local Health District

# CReDITSS: People

- Associate Director: Chris Oldmeadow

- Statisticians

Kerrin Palazzi

Alix Hall

Lucy Leigh

Matthew Clapham

Jack Faulkner

Tiffany Evans

Simon Chiu

Jean Ball

Carl Holder

- Bioinformaticians

Carlos Riveros

Francia Jimenez-Fuentes

- Epidemiologist

John Attia

- Business Administration Manager: Michelle Gillam

# When CReDITSS Can Help

*“To consult the statistician after an experiment is finished is often merely to ask him to conduct a post mortem examination. He can perhaps say what the experiment died of.”*

Ronald Fisher



# When we can help

## **Pre Study**

- Study design and sample size calculations for grant applications or protocols
- REDCap database development / data quality assurance
- Randomisation (online)

## **During Study**

- Data monitoring committee
- Interim analyses

## **Post Study**

- Statistical analyses
- Reporting / manuscript help

## **Other Areas**

- Problem solving for existing studies / general methodological advice on pitfalls, latest methods

# Areas of Expertise

Clinical trial design and analysis

Pilot studies

Causal analyses

Longitudinal / cohort studies

Diagnostic / predictive studies

Administrative data analyses

Biomarker and bioinformatics

# What you can expect

Initial meeting: asking questions about your research question

Discuss data

Propose analysis plan

Timeframes / deadlines

Analysis and report

Post report support

# **Some Success Metrics**

**~ \$20 million in successful grant applications 2017-2018**

**~ 100 publications – almost 50% are in A or A\* journals**

**2018 Health and Research Innovation: “High-flow Oxygen for Bronchiolitis”**



## Contact Us

Contact Michelle Gillam via email:  
[michelle.gillam@hmri.org.au](mailto:michelle.gillam@hmri.org.au)  
or via phone +61 (2) 4042 0500

In partnership with our community



Health  
Hunter New England  
Local Health District

# HMRI Health Economics

**SPEAKER:** Professor Andrew Searles

*Health Economist, HMRI Health Economics and  
School of Medicine and Public Health, Faculty of Health and Medicine UON*



**Health**  
Hunter New England  
Local Health District

---

# HMRI Health Research Economics

Applied health economics is available in our network

---

**Andrew Searles**

9 November 2018



<https://hmri.org.au/research-project-support/health-research-economists>

In partnership with our community



Health  
Hunter New England  
Local Health District

# OBJECTIVES

---

A brief overview of :

- Health economics and value in health care
- Different types of economic evaluations
- A new type of evaluation – budget impact
- How to contact us



# What is Health Economics?

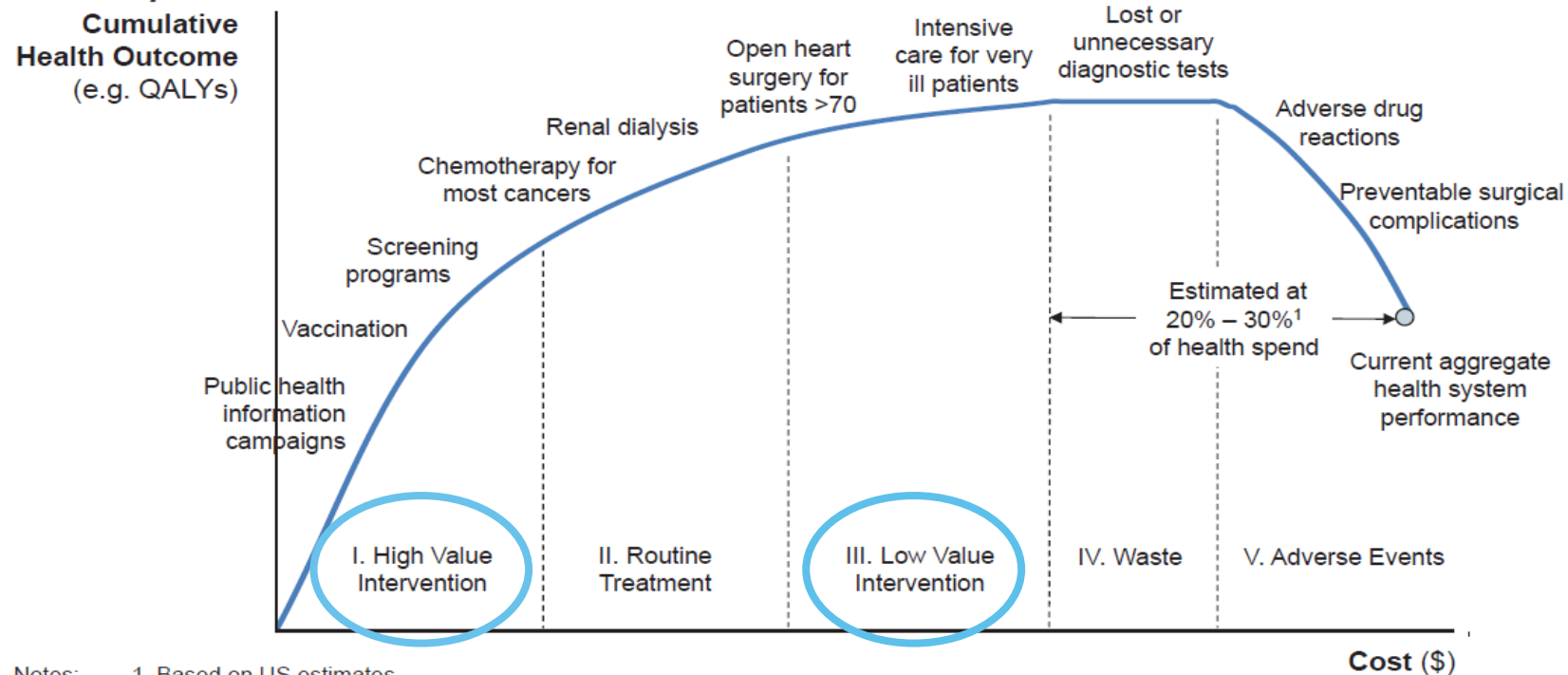
---

- Economics is concerned with the allocation of scarce resources
- Health economics is about determining the value of health services, procedures and treatments
- “Is this new thing worth doing compared with other things that would use the same resources?”
- **Efficiency & Affordability:** both essential when understanding ‘value’

# Why is value important?

About 20% of the \$170 billion spent annually on health is wasted (Productivity Commission, 2012)

## Health System Performance

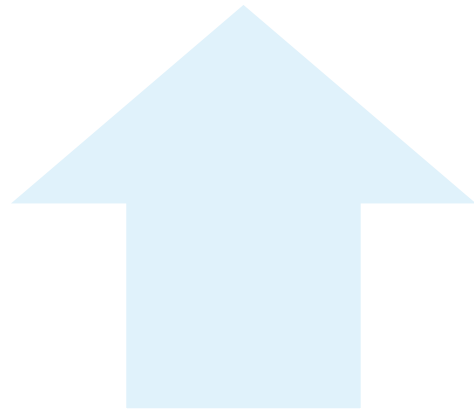


Notes: 1. Based on US estimates

# Why measure?

## The benefit of evaluation

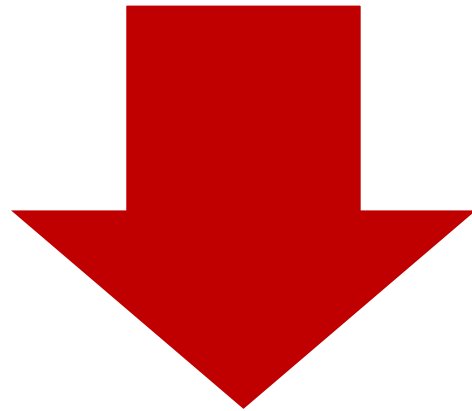
---



### High value care

Compared to alternatives, the initiative is cost-effective

Delivers desired outcome at a cost the community can afford ... value for money



### Low value care

Compared to alternatives, the initiative offers little or no benefit, may even cause harm. Do not introduce / if currently being used, disinvest

# How to choose?

---

Q.... How do you determine whether to introduce or stop using a model of care/procedure/intervention etc?

A... Economic evaluation

# Economic evaluation

---

- Different types of analyses
- Why perspective is important
- Choosing evaluation outcomes that make sense to decision makers

# Types of analyses

---

- Costing studies
- Cost effectiveness analysis (CEA)
- Cost utility analysis (CUA)
- Cost consequence analysis (CCA)
- Cost benefit analysis (CBA)

**And, in development ...**

- Budget Impact Statements (BIS)



# Perspective

---

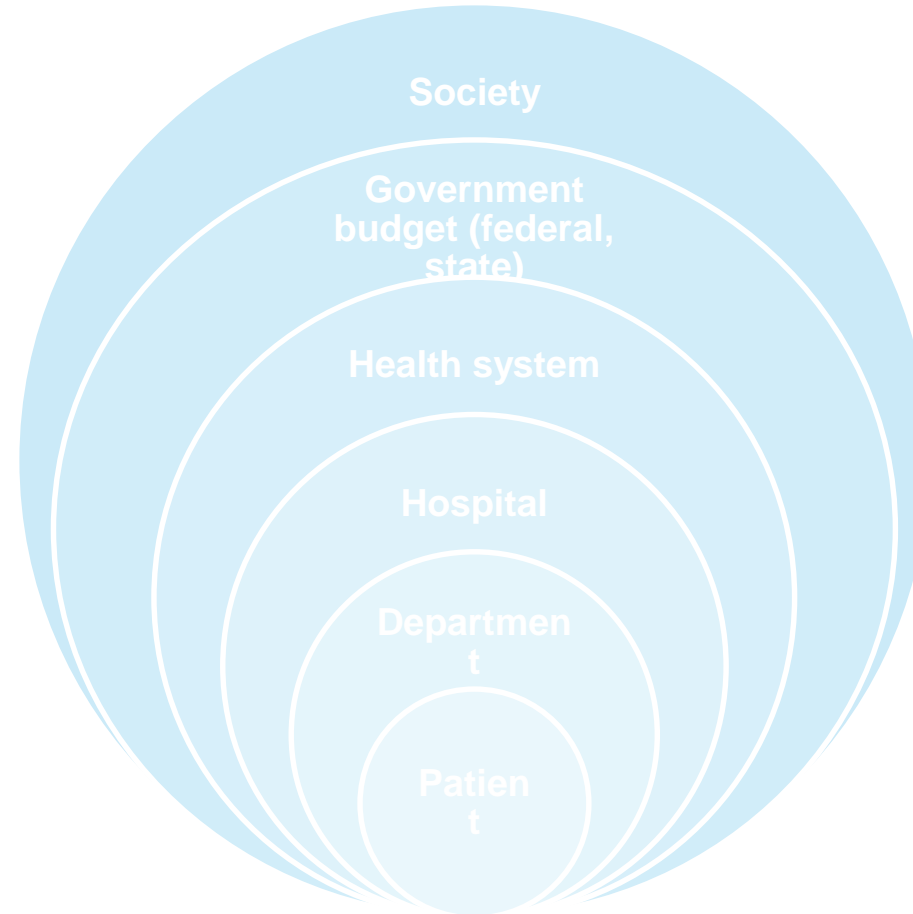
- Whose money (resources)?
- For whose benefit (health and wellbeing)?
- Who should decide?



# Perspective in healthcare

---

- Whose money?
- Whose health?
- Who should make the decisions?





# Costing studies

---

- No outcome measure, only costs accounted for  
e.g. analysis of the comparative costs of alternative treatments or health care programmes
- **Perspective** determines which costs are included
- Common to all forms of economic evaluation

# Cost effectiveness analysis

---

- Evaluates the costs and outcomes of two or more interventions where there is a single main outcome of interest (e.g. per cent reduction in BMI)
- Measured in natural units
- **Perspective** determines the costs / outcome to be included
- Comparisons limited
- Interpretation of economic outcome can be challenging

# Cost utility analysis

---

- Same as CEA except...
- Outcome reported as cost per QALY
- QALY is a summary measure that includes the impact of both quantity and quality of life
- Utility score is recorded between 1 (perfect health) and 0 (death)
- Allows comparison across different health or disease states
- **Perspective** determines which costs are included

# Cost consequence analysis

---

- Presents costs alongside a range of outcomes associated with a particular intervention/program
- **Perspective** determines which costs and benefits are included
- Provides a broader and richer source of economic information increasingly needed by health decision makers

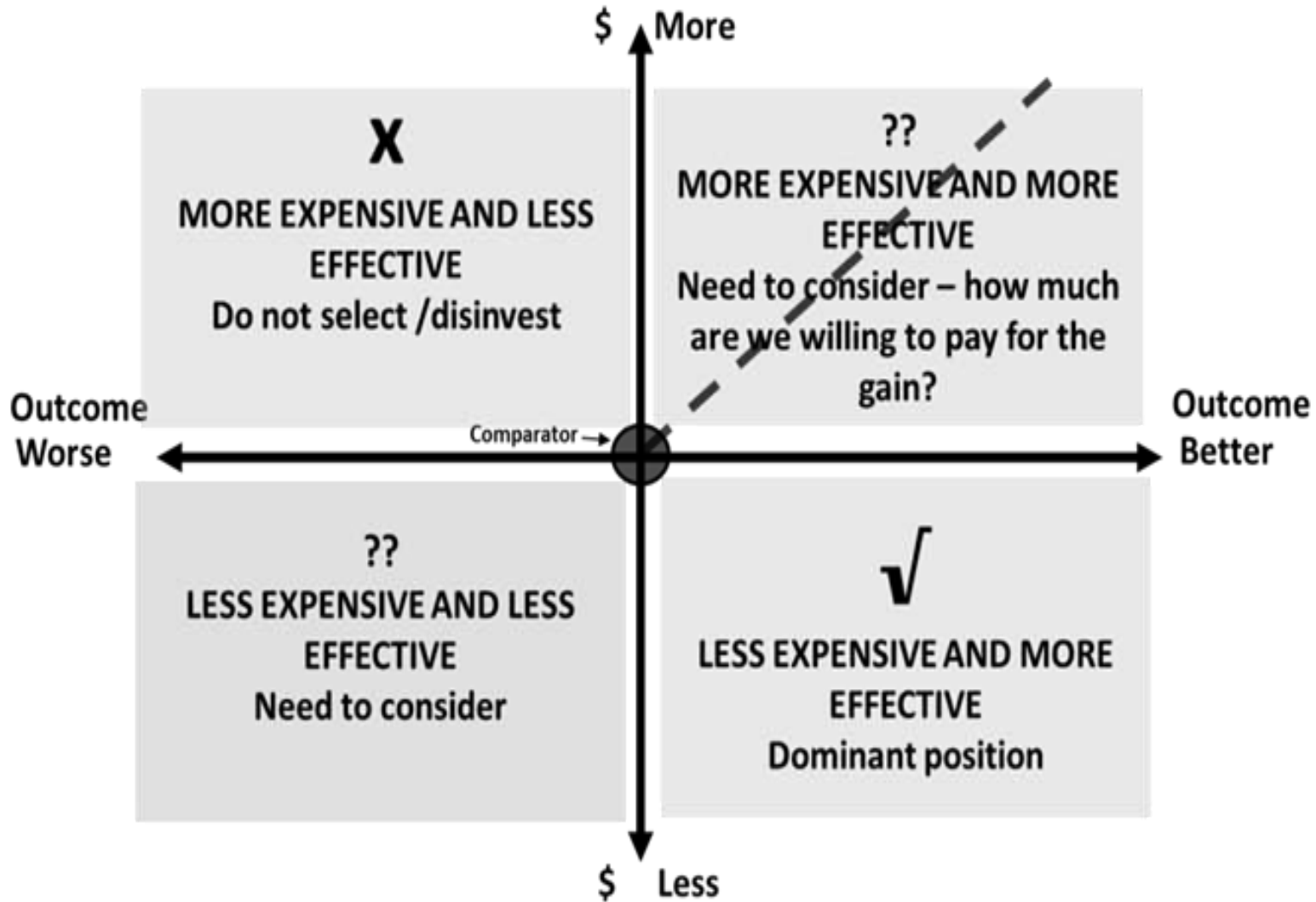
e.g. comparing costs and consequences of different models of care across a care pathway in an observational study

# Cost benefit analysis

---

- Places monetary valuation on health outcomes
- Measures the monetary value of any health benefits gained by the patient, as well as the value to society of any consequences or outcomes (e.g. ability to participate in paid employment/reduced productivity losses, reduced health services utilisation, reduced crime, etc.). Societal perspective recommended.
- Monetary value of benefits compared to costs of obtaining benefits, expressed as a cost-benefit ratio or return on investment
- **Perspective** determines which costs and benefits are included

# Evaluation summary



# Budget Impact Statement

---

- Economic evaluations tells us about efficiency (is this a good use of the health dollar?)
- Efficiency is not the same as affordability. An intervention might be cost-effective but not affordable if the health service is in deficit
- BIS assesses the financial consequence on the provider (department, hospital, LHD, state, etc.) of providing the intervention
- Considers additional costs and cost savings (accounting measures)
- Specifically designed for decision-makers in healthcare
- **Perspective** determines which costs and benefits are included

# Health economics & your research

---

- **HMRI Health Research Economics**

Contact: Michelle Gillam (02) 4042 0500  
Michelle.Gillam@hmri.org.au  
hmri.org.au

- **How we work with you**

Face to face meeting / phone or video call / or over coffee  
Work with you on your project (hence 'applied')  
Develop an appropriate economic evaluation  
Write up for grants  
Estimated budget if grant successful

- **Cost recovery**

Grant writing – no charge  
Build in cost component for health economics (i.e. a line item in your grant's budget)



# QUESTIONS?

# HNE Health Library Services

**SPEAKER:** Ms Angela Smith

*Liaison Librarian/Research Support, HNE*

**SPEAKER:** Mr Steve Mears

*District Library Manager, HNE*



**Health**  
Hunter New England  
Local Health District



Health  
Hunter New England  
Local Health District

# Why? When ? What ?



HNE HEALTH  
LIBRARIES  
linking evidence with practice

# About the Library Service

## Staff

- 13.4 FTEs

## Locations:

- John Hunter
- Calvary Mater
- Maitland
- Tamworth
- Armidale
- Taree

# Why have a Librarian/Informationist as part of your research team?

**'knowledge is the enemy of disease ...  
the application of what we **know already**  
will have a bigger impact on health and  
disease than any drug or technology  
likely to be introduced in the next  
decade' ...**

Sir Muir Gray, the Chief Knowledge Officer of the NHS (UK)  
*From knowledge to health in the 21st century: aligning  
library/knowledge service to core NHS business*, press release, 29  
February 2008



'knowledge is the enemy of disease ...  
the application of what we know already  
will have a bigger impact on health and  
disease than any drug or technology  
likely to be introduced in the next  
decade' ...

Sir Muir Gray, the  
*From knowledge  
library/knowledge  
February 2008*

... it takes an average of 17 years  
for research evidence to reach  
clinical practice

Morris ZS, Wooding S, Grant J. The answer is 17 years,  
what is the question: understanding time lags in  
translational research. **J R Soc Med.** 2011  
Dec;104(12):510-20.



'knowledge is the enemy of disease ...  
the application of what we know already  
will have a bigger impact on health and  
disease than any drug or technology  
likely to be introduced in the next  
decade' ...

Sir Muir Gray, the  
*From knowledge  
library/knowledge  
February 2008*

... up to 30% of all expenditure in  
R&D is wasted on redeveloping  
existing inventions.

The European Commission. **Why researchers should  
care about patents; 2007**

(K)

lease, 29





'knowledge is the enemy of disease ...  
the application of what we know already  
will have a bigger impact on health and  
disease than any drug or technology  
likely to be introduced in the next  
decade' ...

Sir Muir Gray, the  
*From knowledge  
library/knowledge*  
February 2008

... estimated in 2009 that 85% of  
research funding was being  
avoidably wasted across the  
entire biomedical research range

Chalmers I, Glasziou P. Avoidable waste in the  
production and reporting of research evidence. **Lancet.**  
2009 Jul 4;374(9683):86-9.

(K)  
lease, 29



'knowledge is the enemy of disease ...  
the application of what we know already  
will have a bigger impact on health and  
disease than any drug or technology  
likely to be introduced in the next  
decade' ...

- Low priority questions addressed
- Important outcomes are not assessed
- Over 50% of studies are designed without reference to systematic reviews of existing evidence

Moher D, Glasziou P, Chalmers I, Nasser M, Bossuyt PM, Korevaar DA, Graham ID, Ravaud P, Boutron I. Increasing value and reducing waste in biomedical research: who's listening? Lancet. 2016 Apr 9;387(10027):1573-86.



'knowledge is the enemy of disease ...  
the application of what we know already  
will have a bigger impact on health and  
disease than any drug or technology  
likely to be introduced in the next  
decade' ...

Sir Muir Gray, the  
*From knowledge  
library/knowledge  
February 2008*

perform a systematic review of  
all available evidence before  
planning a study

Moher D, Glasziou P, Chalmers I, Nasser M, Bossuyt PM,  
Korevaar DA, Graham ID, Ravaud P, Boutron I.  
Increasing value and reducing waste in biomedical  
research: who's listening? Lancet. 2016 Apr  
9;387(10027):1573-86.



'knowledge is the enemy of disease ...  
the application of what we **know already**  
will have a bigger impact on health and  
disease than any **drug or technology**  
likely to be introduced in the next  
decade' ...

Sir Mu  
From k  
library,  
Februa

The basis for every sound review is a well  
designed and conducted search of the  
evidence.

ase, 29

Metzendorf MI, Featherstone RM. Ensuring quality as the basis of  
evidence synthesis: leveraging information specialists' knowledge, skills,  
and expertise. Cochrane Database Syst Rev. 2018 Sep 13;4:ED000125.



'knowledge is the enemy of disease ...  
the application of what we know already  
will have a bigger impact on health and  
disease than any drug or technology  
likely to be introduced in the next  
decade' ...

Sir Muir Gray  
*From knowledge to  
library/knowledge*  
February 2000

An evaluation of 272 systematic  
reviews in 25 high-impact journals  
showed that only 35% provided a  
partly reproducible search strategy

Koffel, Jonathan B., and Melissa L. Rethlefsen. "Reproducibility of search strategies is poor in systematic reviews published in high-impact pediatrics, cardiology and surgery journals: a cross-sectional study." *PloS one* 11.9 (2016): e0163309.



# Complexity of the Information Environment

- Information overload -  
Medline has approximately 27 million citations
- In addition a variety of health science databases with different interfaces and vocabulary need to be searched
- Alternative search strategy designs and approaches are required to capture unpublished studies and 'grey' literature.
- The hard to search topics continue to grow as clinicians, policy makers and patients require answers to complex health care questions.

'knowledge is the enemy of disease ...  
the application of what we know already  
will have a bigger impact on health and  
disease than any drug or technology  
likely to be introduced in the next  
decade' ...

Sir Muir Gray, the  
*From knowledge  
library/knowledge  
February 2008*

... There are now 75 trials, and 11  
systematic reviews of trials, per  
day and a plateau in growth has  
not yet been reached ...

Bastian H, Glasziou P, Chalmers I. Seventy-five trials and  
eleven systematic reviews a day: how will we ever keep  
up? *PLoS Med.* 2010 Sep 21;7(9):e1000326



'knowledge is the enemy of disease ...  
the application of what we know already  
will have a bigger impact on health and  
disease than any drug or technology  
likely to be introduced in the next  
decade' ...

Sir Muir Gray, the  
*From knowledge  
library/knowledge*  
February 2008

... a quarter of systematic reviews  
need updating within two years  
of publication ... 15% need  
updating within a year ...  
7% were out of date by the time  
they were published ...

Shojania KG, Sampson M, Ansari MT, Ji J, Doucette S,  
Moher D. How quickly do systematic reviews go out of  
date? A survival analysis. **Ann Intern Med.** 2007 Aug  
21;147(4):224-33.



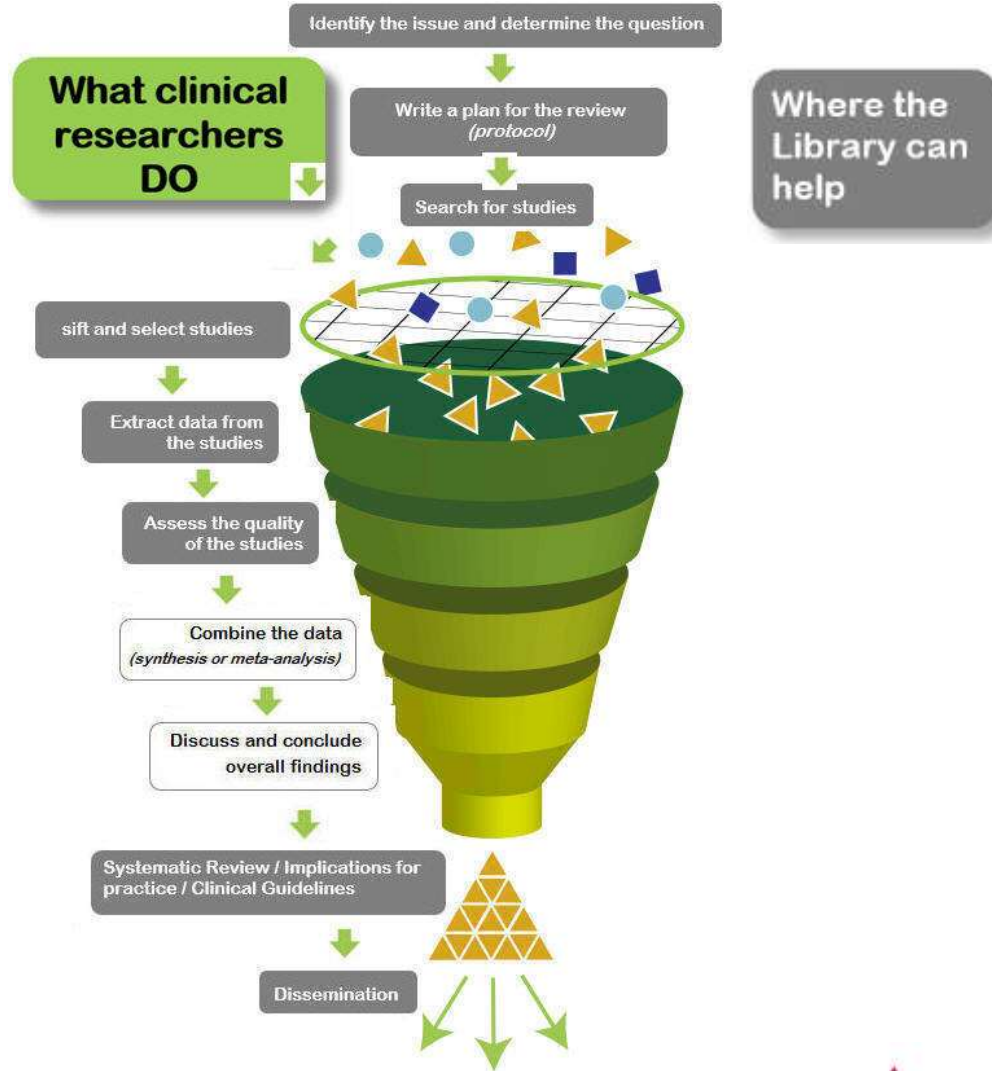


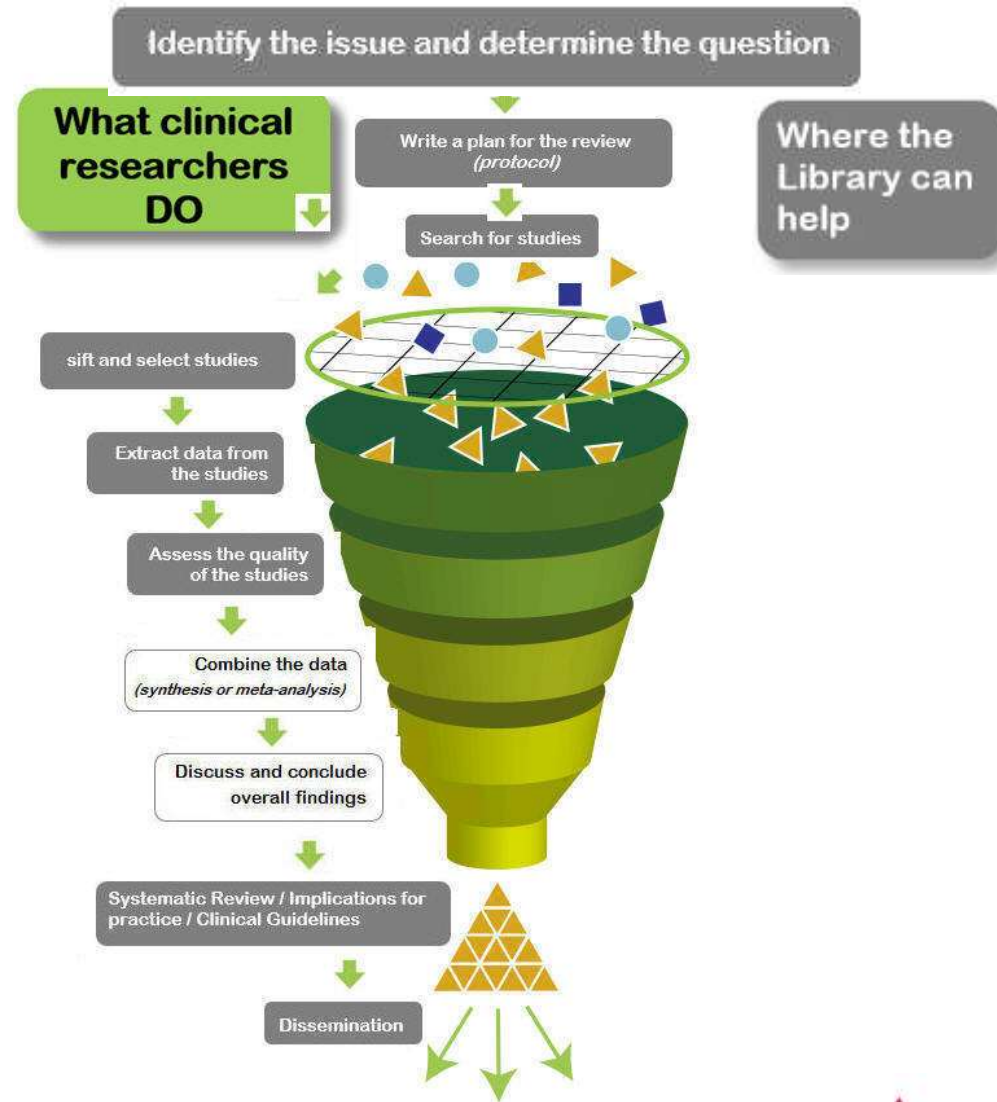
# Research Support Service

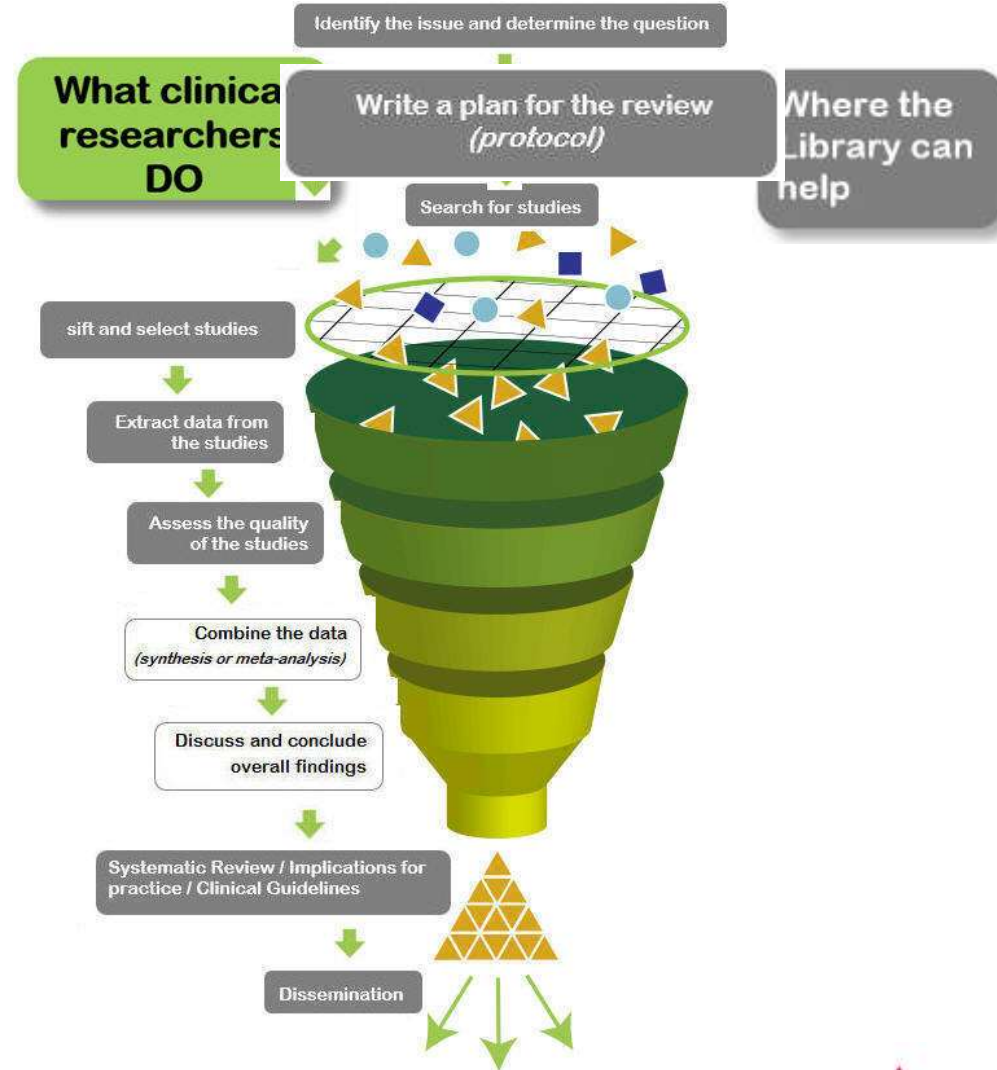
What do we do?

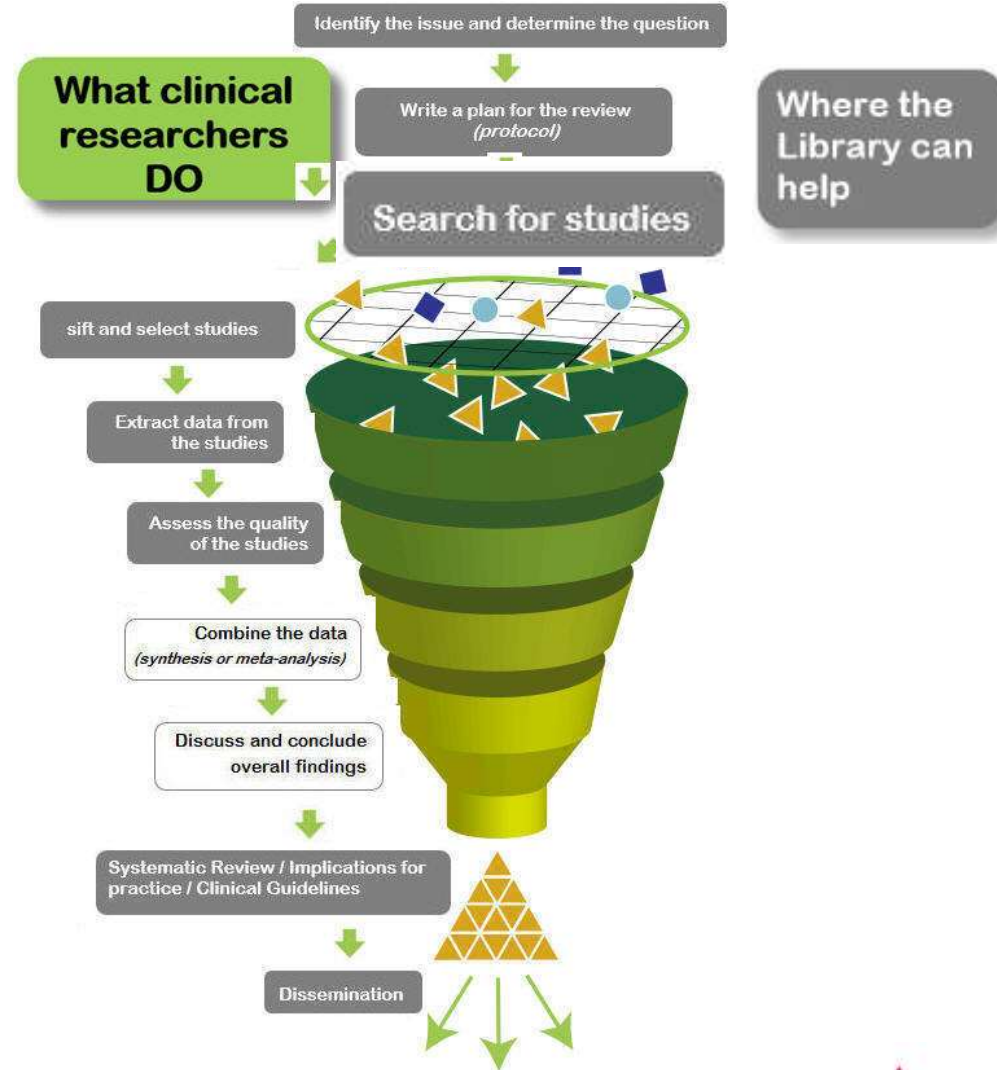
## The Library supports research and adds value in a variety of ways:

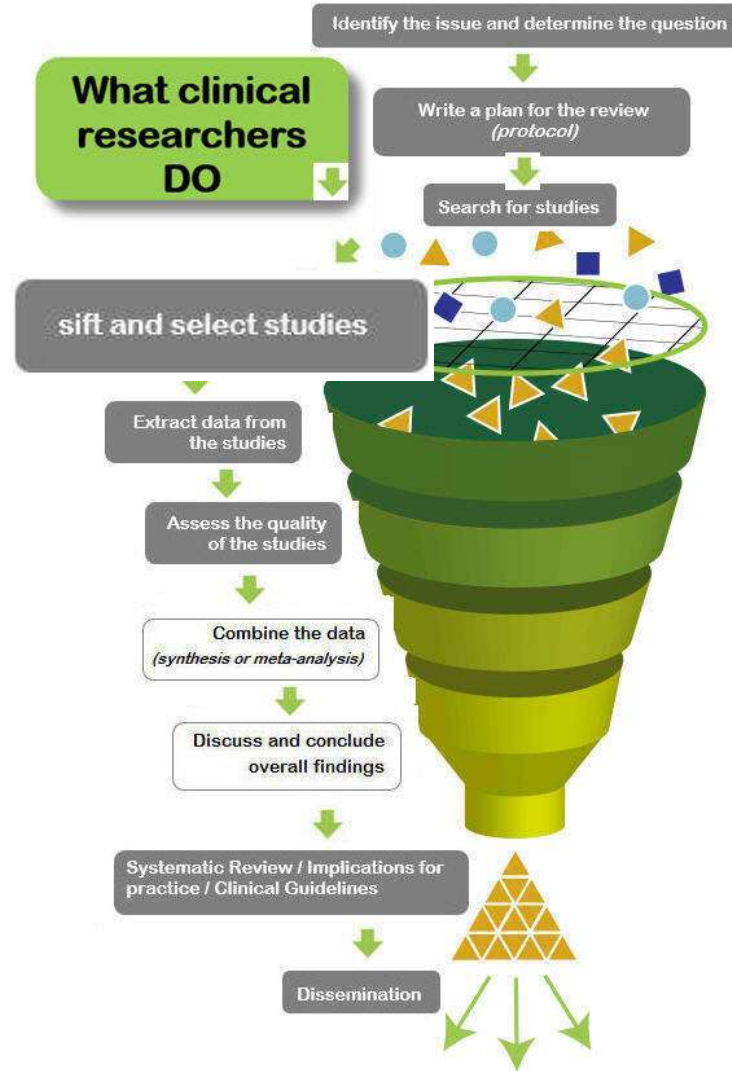
- Develop a research question that is clear, focused and related to the topic of interest
- Identify existing systematic reviews on a topic.
- Recommend appropriate databases.
- Review existing search strategies.
- Develop search strategies for each database.
- Execute searches across multiple databases.
- Document search strategies.
- Deduplicate and provide citations in Endnote.
- Provide assistance and advise with screening records, e.g. using Covidence
- Assist with locating full-text articles.
- Provide a narrative of the search methodology, including PRISMA flow charts.
- Contribute to the manuscript/report as a co-author





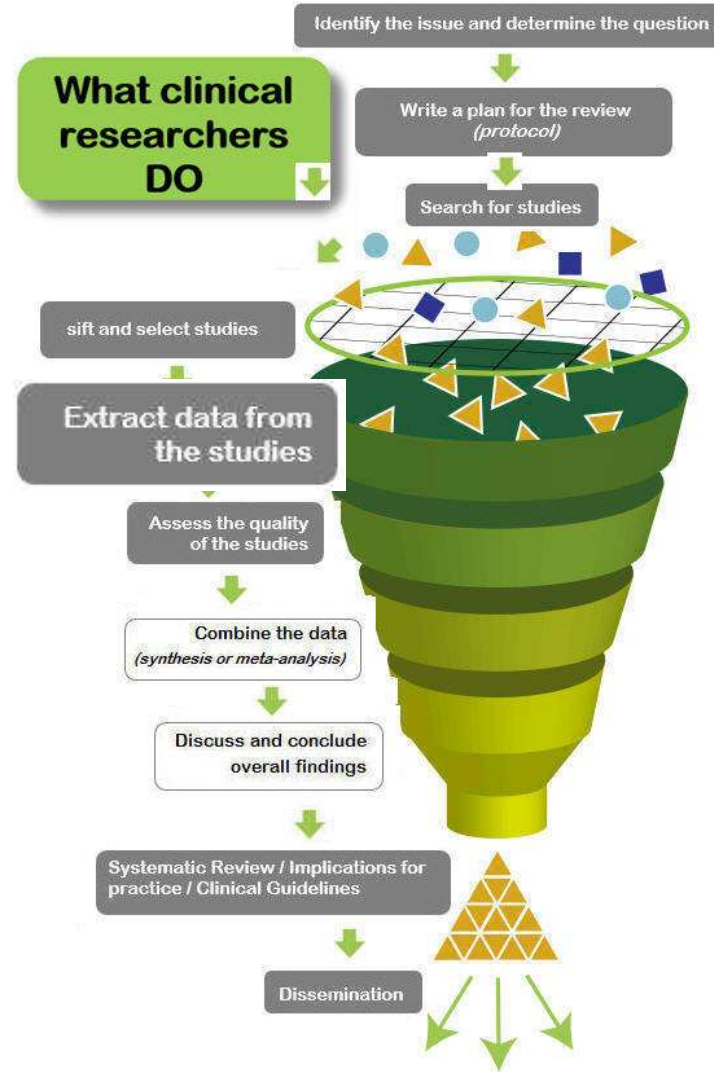






Where the Library can help

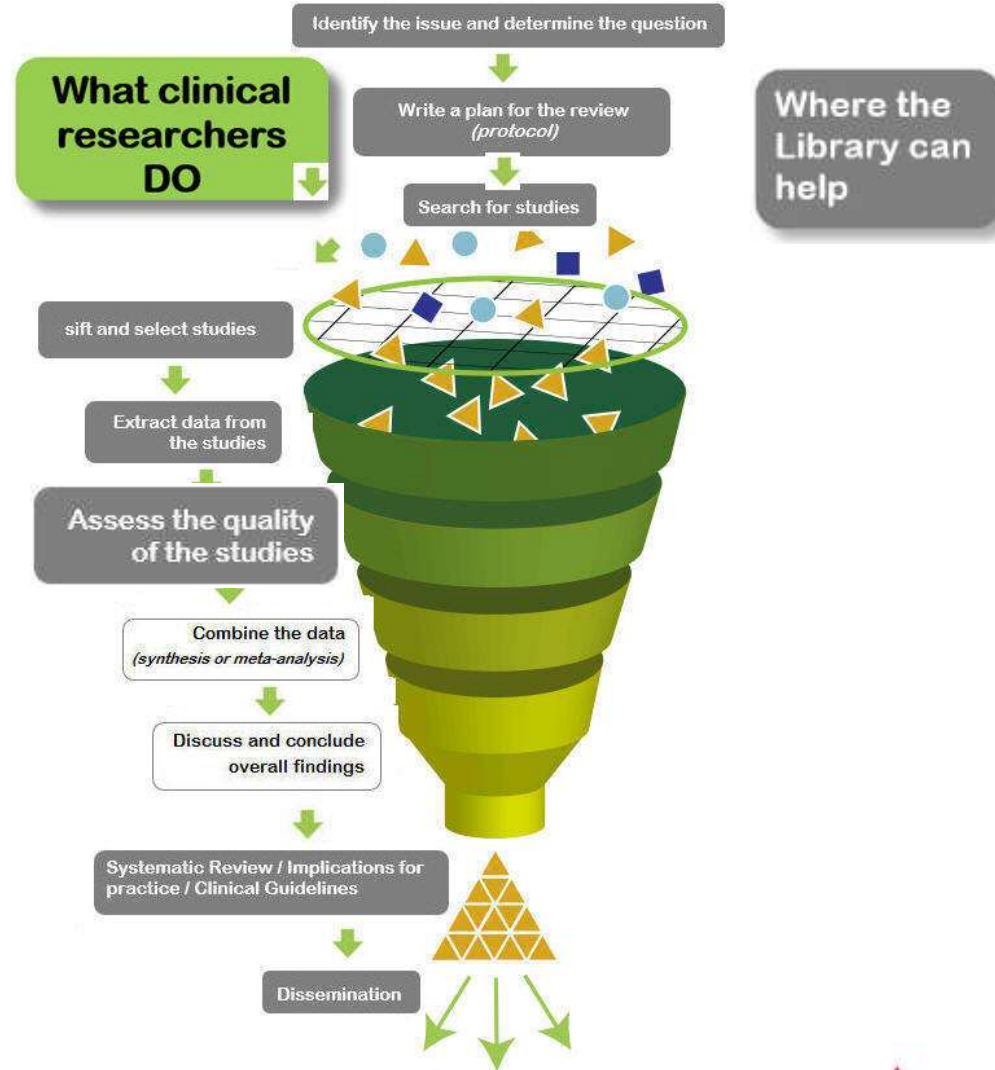


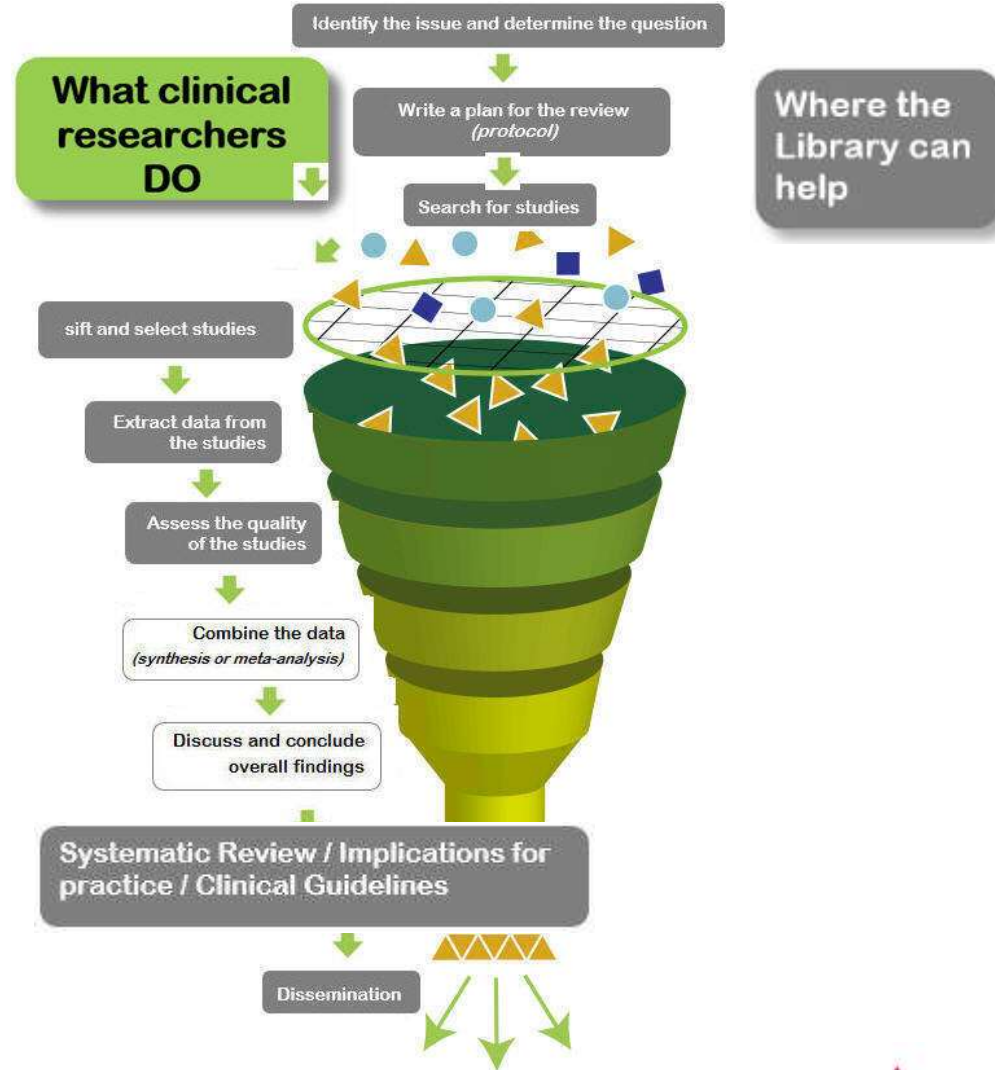


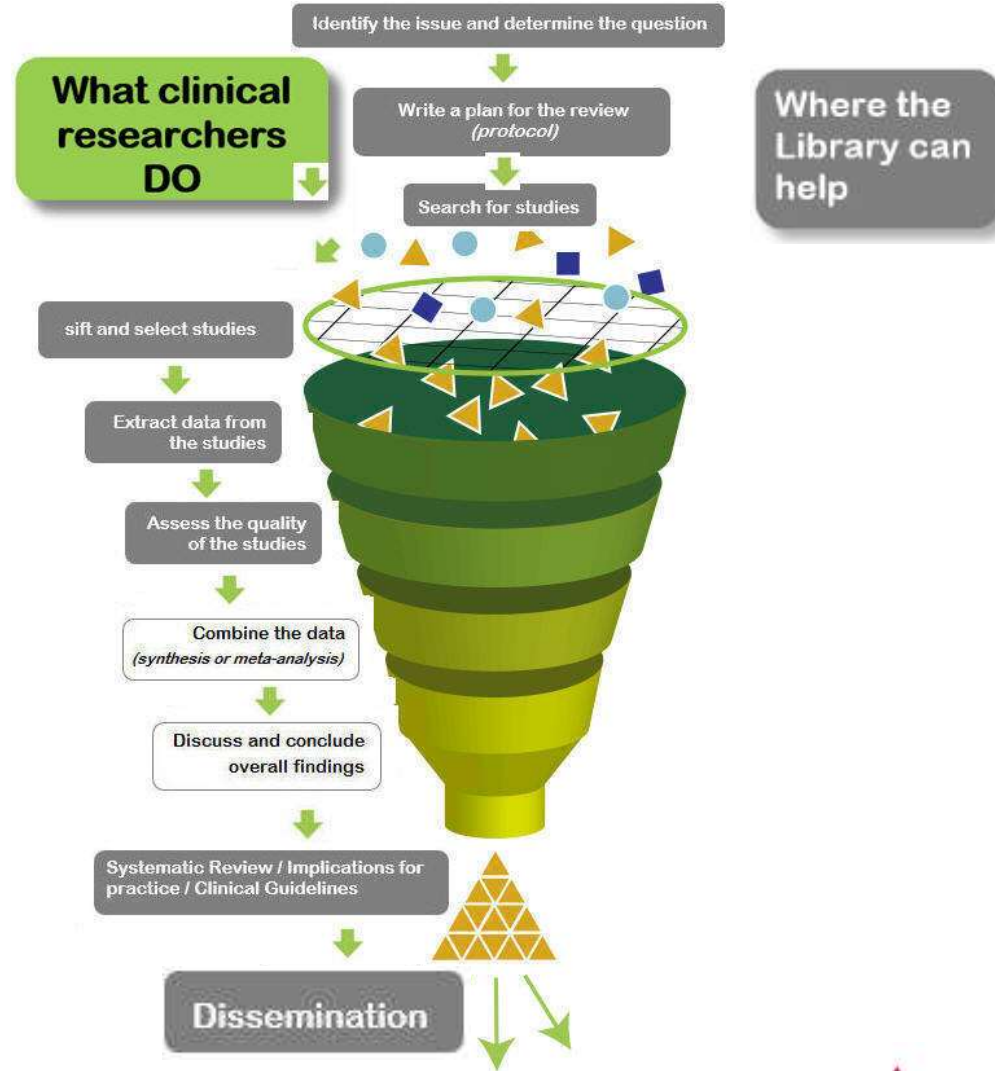
**What clinical researchers DO**

**Where the Library can help**









‘ It is no longer the physical space of the library, nor the digital equivalent, but the value added by the librarians that make the difference ‘

Bakker, Suzanne. 2012. ‘Health library and information professionals in Europe’, in Changing roles and contexts for health library and information professionals, edited by Alison Brettle and Christine Urquhart. Facet Publishing, 2012, p8-14.

'knowledge is the enemy of disease ...  
the application of what we know already  
will have a bigger impact on health and  
disease than any drug or technology  
likely to be introduced in the next  
decade'

Sir Muir (1998)  
*From knowledge to  
library/knowledge*  
February 1998

Compared with other methodologists  
information specialists fly under the radar.  
Evidence shows that information specialists  
skills remain under utilised.

Metzendorf MI, Featherstone RM. Ensuring quality as the basis of  
evidence synthesis: leveraging information specialists' knowledge,  
skills, and expertise. Cochrane Database Syst Rev. 2018 Sep  
13;4:ED000125.

29



'knowledge is the enemy of disease ...  
the application of what we know already  
will have a bigger impact on health and  
disease than any drug or technology  
likely to be introduced in the next  
decade'

Sir Muir Gray  
*From knowledge to  
library/knowledge*  
February 2018

Information specialists are key partners in  
the effort to enhance (translate) evidence  
use for patients, health professionals, and  
policy makers

Metzendorf MI, Featherstone RM. Ensuring quality as the basis of  
evidence synthesis: leveraging information specialists' knowledge,  
skills, and expertise. Cochrane Database Syst Rev. 2018 Sep  
13;4:ED000125.



We look forward to hearing  
from you and being part of your  
research team

**Steve Mears** Director HNE Health Libraries

[Steve.mears@hnehealth.nsw.gov.au](mailto:Steve.mears@hnehealth.nsw.gov.au)

X13777

**Angela Smith** Research Support Librarian HNE Health Libraries

[Angela.smith@hnehealth.nsw.gov.au](mailto:Angela.smith@hnehealth.nsw.gov.au)

X13988

[www.hnehealthlibraries.com.au](http://www.hnehealthlibraries.com.au)

# HNELHD Health Research & Translation Centre

**SPEAKER:** Prof John Wiggers



**Health**  
Hunter New England  
Local Health District





**Health**  
Hunter New England  
Local Health District



# HPREP # 4 Research Support Services

Kristy Morris / John Wiggers

9 November 2018

Manager, HNELHD Health Research and Translation Centre



# Acknowledgment of Country



**Health**  
Hunter New England  
Local Health District



**Vision:** The health and wellbeing of HNELHD patients and community is enhanced through the conduct of health and medical research and the translation of research evidence into high quality and effective health service delivery

# Aims:



1. To strengthen HNELHD systems and processes that **enable the conduct** of health and medical research undertaken, commissioned, supported and/or to be utilised by the Health District.
2. To strengthen HNELHD systems and processes that **enable the translation** of research evidence into routine clinical practice across the Health District through priority driven innovation and quality improvement initiatives



Who are we:

- established in 2016
- committed to supporting high quality health and medical research
- and the translation of evidence into everyday clinical practice
- accountable for the delivery HNELHD Health Research and Translation Plan 2018-2021



## **What don't we do:**

- manage research projects, staff, budget etc
- conduct research projects

## **What do we do:**

- support and facilitate research
- build research support systems
  - HNE Research Innovation Portal

# HNE Research Innovation Portal



## Research Innovation Portal

Search...

HOMEGRANTS & SCHOLARSHIPSMAKE IT HAPPENWORK TOGETHERSHARE KNOWLEDGEBE RECOGNISEDABOUT US

### Want to improve health and wellbeing in our community and transform the health system?


Get ready to take your great idea from dream into action.

Find resources that support innovation and research.


Find staff who can help you

Develop the skills to lead change.


Connect with people who can help.




Know about  
**Grants & Scholarships**




Resources to  
**Make it Happen**




**Work Together**




What's done  
**Share Knowledge**




Congratulations  
**Be Recognised**




ACI




Bureau of Health Information




CLINICAL EXCELLENCE COMMISSION



HETI




HMRI



COAP

Hosted By



Health  
Hunter New England  
Local Health District

<http://www.hnehealth.nsw.gov.au/working-together/Pages/Home.aspx>

## Make It Happen Overview

- › Develop Research Skills
- › Training Opportunities
- › Accessing Data
- › Resources for Doctors
- › Service Redesign and Evaluation
- › Capture Patient & Carer Experience
- › ACHS Improvement Academy

## Research Support

- › Research & Translation Centre
- › Research Ethics and Governance
- › Research Ethics
- › Research Governance
- › HNE Health's Research Plan
- › Health Research Authority-Guidance

## Hunter New England Health LHD

- › Improvement Grants
- › Clinical Research Fellowships
- › Who to Contact for Support

## Nursing & Midwifery Research Centre (NMRC)

- › Supports, Resources and
- › News and Events



## Make It Happen Overview

- › Develop Research Skills
- › Training Opportunities
- › Accessing Data
- › Resources for Doctors
- › Service Redesign and Evaluation
- › Capture Patient & Carer Experience
- › ACHS Improvement Academy

## Research Support

- › Research & Translation Centre
- › Research Ethics and Governance
- › Research Ethics
- › Research Governance
- › HNE Health's Research Plan
- › Health Research Authority-Guidance

## Hunter New England Health LHD

- › Improvement Grants
- › Clinical Research Fellowships
- › Who to Contact for Support

## Nursing & Midwifery Research Centre (NMRC)

Supports, Resources and

› News and Events



Grant Funding Opportunities  
(HRTC Run)

Grant Funding Opportunities  
(External)

Education (HNELHD)

Education (External)

Awards (HNELHD)

Awards (External)

Resources

Our Partners

## Hunter New England Local Health District Health Research and Translation Centre

### How can we support you?

Check out our [grant funding opportunities](#)

Learn more through our [Health Professionals Research Education Program](#)

Develop skills for [writing grant applications](#)

[Access resources and training](#) to enhance research practice

Be recognised - apply for an award

### About the HRTC



Health Research and Translation  
Centre

## Grant Funding Opportunities (HNELHD)

The HNELHD Health Research and Translation Centre supports applicants to develop quality submissions for a range of grant funding opportunities.

### HNELHD Grants

[HNELHD Clinical and Health Service Research Fellowships](#)

[HNELHD Improvement Grants](#)

### External grants supported by HNELHD processes

[Translational Research Grants Scheme \(TRGS\)](#)

[Medical Research Futures Fund \(MRFF\)](#)

[Rural Research Capacity Building program](#)

[Click here to view other external grant funding opportunities](#)



**Health**  
Hunter New England  
Local Health District



## Clinical & Health Service Research Fellowships

- [2016 Fellowship Winners](#)
- [2017 Fellowship Winners](#)



## Round 3 : 2019 Clinical and Health Service Research Fellowships (For funding 1st July 2019-30th June 2022)

*Formally known as Clinical Research Fellowships*

### Building a Platform for Translational Research in Partnership with the University of Newcastle

In recognising that evidenced-based healthcare and improved patient outcomes are intrinsically linked to translating clinical research into healthcare policy and practice, HNE Health in collaboration with its partner, the University Of Newcastle (UON), are providing an opportunity to support health professionals to undertake clinical and health service research.

Round 3 of the Clinical & Health Service Research Fellowship Scheme will commence in July 2019 and responds to the HNE Local Health District's Strategic plan to; position for the future by facilitating multidisciplinary innovation, education and research.

### Key Documents & Resources

- [Information Session - Recorded presentation 24 October 2018](#)
- [Guidelines for Applicants](#)
- [Application Form](#)



## Improvement Grants & HNEKidshealth Improvement Grants (formerly Innovation Scholarships)

Formerly known as the Innovation Scholarships, HNE Partnerships, Innovation and Research Unit & HNEKidshealth Children, Young People and Families are pleased to again support work across our health services by making available grant funding that focusses on improvement projects that help accomplish the **Triple Aim**. The Triple Aim is a framework that describes an approach to optimising health system performance by focusing on three goals simultaneously:



Grant Funding Opportunities  
(HRTC Run)

Grant Funding Opportunities  
(External)

Education (HNELHD)

Education (External)

Awards (HNELHD)

Awards (External)

Resources

Our Partners

## Hunter New England Local Health District Health Research and Translation Centre

### How can we support you?

Check out our [grant funding opportunities](#)

Learn more through our [Health Professionals Research Education Program](#)

Develop skills for [writing grant applications](#)

[Access resources and training](#) to enhance research practice

Be recognised - apply for an award

### About the HRTC

## Grant Funding Opportunities (External)

Grant Name	HNELHD Process*	Funding Available	Closing Date	More Information & Apply
Bupa Foundation Grants Program	No	Total of \$1m	2018 closed	<a href="#">click here</a>
Heart Foundation Research Funding	No	various categories	various	<a href="#">click here</a>
Cardiovascular Disease Clinician Scientist Grants	Yes	\$250K	14/11/18	<a href="#">click here</a>
Translational Research Grants Scheme	Yes	\$8m	2018 closed	<a href="#">click here</a>
Medical Research Futures Fund	Yes	\$6.1m	2018 closed	<a href="#">click here</a>
Rural Research Capacity Building Program	Yes		Opens March 2019	<a href="#">click here</a>

\*HNELHD Process means where the HNELHD has an internal process in place to support the application to the funding opportunity. For example, you as the applicant complete the application process, ensuring all endorsement from relevant management and executive and send to the HRTC which will seek Chief Executive endorsement and submission is completed by the HRTC on behalf of HNELHD.

To add your grant funding opportunity here please email the above information to [HNELHD-RSDO@hnehealth.nsw.gov.au](mailto:HNELHD-RSDO@hnehealth.nsw.gov.au)



[HOME](#)[GRANTS & SCHOLARSHIPS](#)[MAKE IT HAPPEN](#)[WORK TOGETHER](#)[SHARE KNOWLEDGE](#)[BE RECOGNISED](#)[ABOUT US](#)

Grant Funding Opportunities  
(HRTC Run)

Grant Funding Opportunities  
(External)

Education (HNELHD)

Education (External)

Awards (HNELHD)

Awards (External)

Resources

Our Partners

## Hunter New England Local Health District Health Research and Translation Centre

### How can we support you?

Check out our [grant funding opportunities](#)

Learn more through our [Health Professionals Research Education Program](#)

Develop skills for [writing grant applications](#)

[Access resources and training](#) to enhance research practice

Be recognised - apply for an award

### About the HRTC







## Health Professionals Research Education Program (HPREP)

The HRTC in partnership with the University of Newcastle's Research Advantage program deliver free education sessions designed to provide information and practical advice for Clinician Researchers, Clinicians and Managers.

Every session is available via video-conference and live streaming as well as recorded for future viewing.

### 2018 Program

#01 NSW HEALTH TRANSLATIONAL RESEARCH GRANT SCHEME

#02 IMPLEMENTATION SCIENCE/KNOWLEDGE TRANSLATION

#03 IMPROVING THE APPROPRIATENESS AND BENEFIT OF RESEARCH WITH ABORIGINAL PEOPLE

#04 RESEARCH SUPPORT SERVICES

[Access 2018 Recordings through the HNELHD Library.](#)

### 2019 Program

Friday 15 March

Friday 14 June

Friday 31 August

Friday 8 November



**Health**  
Hunter New England  
Local Health District



## Information Sessions (applying for grant funding and awards)

The HRTC supports applicants to develop quality submissions for grants and awards run by HNELHD.

Medical Research Futures Fund (MRFF) - March 2018

Translational Research Grants Scheme (TRGS) - 2018

HNELHD Clinical & Health Service Research Fellowships & HNELHD Improvement Grants - October 2018



### Ongoing

#### Research Advantage Program

The University Of Newcastle's Research Advantage program aims to connect and empower by providing a range of events and support resources.

#### HMRI Seminar Series

HMRI hosts and facilitates a wide range of research seminars, workshops, training sessions, trade displays and events to support the work of Hunter researchers. The preeminent event is the **HMRI Seminar Series** - featuring national and international research and industry leaders at HMRI.

### Non-Ongoing

<b>November 2018</b>		
<b>Session</b>	<b>Date</b>	<b>Register/Link</b>
Optimising OCS use in severe asthma in the era of biologic agents	15 November 2018	<a href="#">click here</a>
Systematic Review Searching Workshop	28 November 2018	<a href="#">click here</a>
Calvary Mater Inaugural Research Speed Networking Event	30 November 2018	<a href="#">click here</a>
<b>December 2018</b>		

To add your relevant education opportunity here please send the above details to [HNELHD-RSDO@hnehealth.nsw.gov.au](mailto:HNELHD-RSDO@hnehealth.nsw.gov.au)

[HOME](#)[GRANTS & SCHOLARSHIPS](#)[MAKE IT HAPPEN](#)[WORK TOGETHER](#)[SHARE KNOWLEDGE](#)[BE RECOGNISED](#)[ABOUT US](#)

[Grant Funding Opportunities  
\(HRTC Run\)](#)

[Grant Funding Opportunities  
\(External\)](#)

[Education \(HNELHD\)](#)

[Education \(External\)](#)

[Awards \(HNELHD\)](#)

[Awards \(External\)](#)

[Resources](#)

[Our Partners](#)

## Hunter New England Local Health District Health Research and Translation Centre

### How can we support you?

Check out our [grant funding opportunities](#)

Learn more through our [Health Professionals Research Education Program](#)

Develop skills for [writing grant applications](#)

[Access resources and training](#) to enhance research practice

Be recognised - apply for an award

### About the HRTC





HNE Excellence Awards

Achievement Awards

High Value Health Care Awards

- Patients as Partners
- Delivering Integrated Care
- Patient Safety First
- Keeping People Healthy
- Supporting our People
- A Safe and Healthy Workplace
- Health Research and Innovation
- Excellence in the Provision of Mental Health Services

Past Excellence Awards & winners

## High Value Health Care Awards

Health Research and Translation Centre coordinates the application and assessment process for the High value Health Care Awards.

The High Value Health Care Awards reinforces our focus on High Value Health Care and ensures we recognise work that accomplishes the Triple Aim of meeting population health needs at the highest quality and lowest cost per capita. Select a category for full details.

- Patients as Partners
- Delivering Integrated Care
- Patient Safety First
- Keeping People Healthy
- Supporting our People
- A Safe and Healthy Workplace
- Health Research and Innovation
- Excellence in the Provision of Mental Health Services

## Application process and resources

In early 2019 the HRTC will present 'What makes a good application' to support potential applicants to develop their submission aligning with the assessment criteria. Stay tuned for more information.

### Resources:

- High Value Health Care Awards submission template
- 2018 NSW Health Awards Guidelines
- How to prepare a submission for the HVHC Awards PowerPoint
- Tips for writing HVHC Award submission

***IMPORTANT NOTICE: Applications exceeding word limit will not be processed for judging***

## Key dates TBA

Nominations for Excellence Awards open	2019 TBA
Nominations for Excellence Awards close	2019 TBA
Announce the finalists for all categories	2019 TBA
2019 Excellence Awards Night	2019 TBA

[HOME](#)[GRANTS & SCHOLARSHIPS](#)[MAKE IT HAPPEN](#)[WORK TOGETHER](#)[SHARE KNOWLEDGE](#)[BE RECOGNISED](#)[ABOUT US](#)

Grant Funding Opportunities  
(HRTC Run)

Grant Funding Opportunities  
(External)

Education (HNELHD)

Education (External)

Awards (HNELHD)

Awards (External)

Resources

Our Partners

## Hunter New England Local Health District Health Research and Translation Centre

### How can we support you?

Check out our [grant funding opportunities](#)

Learn more through our [Health Professionals Research Education Program](#)

Develop skills for [writing grant applications](#)

[Access resources and training](#) to enhance research practice

Be recognised - apply for an award

### About the HRTC





### **NSW Agency for Clinical Innovation – Innovation Award**

The Agency for Clinical Innovation (ACI) are the primary Agency for promoting innovation and engaging clinicians in design and implementation of new models of care to drive continuous improvement in the way care is provided in the NSW Health System.

In 2014, ACI introduced an '*Innovation Award*' to reward innovation and capture models of care which have potential for broader rural application.

**Nominations shortlisted for the award are undertaken at the discretion of the LHD, and incorporated within existing judging processes currently utilized and driven by HNELHD.**

### **NSW Health Awards**

The HRTC coordinates the submission of HNELHD applications to the NSW Health Awards. Generally, the winners of each local HVHC award are submitted to the corresponding NSW Health award.

**Contact HRTC, NSW Health Awards Local Liaison Officer for more information.**

[HNELHD-RSDO@hnehealth.nsw.gov.au](mailto:HNELHD-RSDO@hnehealth.nsw.gov.au)

### **NSW Premiers Awards**

The NSW Premiers Awards for Public Service recognise excellence in the delivery of public services to the NSW community by the public sector, not-for-profit organisations and private businesses. The award categories have changed from year to year to respond to government priorities.

**The HRTC manages submission of entries from HNELHD, which are generally selected from the winners of the HVHC awards.**

### **Australian Council on Healthcare Standards Quality Improvement Awards**

The [ACHS Quality Improvement Awards](#) acknowledge healthcare organisations that achieve excellence and innovation in clinical care, organisation-wide practice, service delivery and performance measurement.

[Access resources to help you with submitting an entry to the awards.](#)

### **NSW Premiers Awards for Outstanding Cancer Research**





Grant Funding Opportunities  
(HRTC Run)

Grant Funding Opportunities  
(External)

Education (HNELHD)

Education (External)

Awards (HNELHD)

Awards (External)

Resources

Our Partners

## Hunter New England Local Health District Health Research and Translation Centre

### How can we support you?

Check out our [grant funding opportunities](#)

Learn more through our [Health Professionals Research Education Program](#)

Develop skills for [writing grant applications](#)

[Access resources and training](#) to enhance research practice

Be recognised - apply for an award

### About the HRTC



## Writing grant applications

### Preparing a Grant Application

Grants and awards are competitive and include rigorous selection criteria that are generally reviewed by an independent assessment panel. In order to make sure you put forward the best application possible here are some useful resources to support you in this process.

[General resources to support you preparing a grant application](#)

#### Grants Hub Resources

##### Seeking Executive Approval (HNELHD)

For most funding applications HNELHD requires management and executive approval indicating support for the application to be submitted and (dependent on the funding application) for the project to be translated into practice post the project's completion.

The following approval template should be used where this is a requirement.

[Brief Approval Template](#)

##### Funding Agreement Template (HNELHD)

For any funds that are to be transferred from HNELHD to the University of Newcastle or Hunter Medical Research Institute the following Funding Agreement approval checklist and template are to be used.

[HNELHD Approval template](#)

[Funding Agreement Template](#)

## Access Training

There are various training opportunities within HNELHD and externally that can support you to develop your research career.

[Training Opportunities](#)

## HNE Health Libraries

HNE Health Libraries provide a range of services to assist and support the research, teaching and information needs of all Hunter New England Local Health Districts staff and affiliated health professionals. The network is made up of seven libraries located in hospitals at Armidale, Belmont, John Hunter, Maitland, Mater, Tamworth, and Taree.



**Subject:** Endorsement Request – *(enter name of funding Scheme)*
**Date:** *Day Month Year*
**Author:** *Full name, Position, Department/Unit/Service*
**SITUATION**

Seeking endorsement for the submission of the following expression of interest (EOI)/grant funding proposal to the *(enter name of funding Scheme)*

**Project:**
**Lead Investigator:**
**HNELHD site (if applicable):**
**Funding Requested:** \$ *(GST Exclusive)*
**BACKGROUND**

*Add relevant information to provide the endorser with a clear understanding of what the purpose of the scheme is and how your application aligns.*

*E.g. The NSW Cardiovascular Research Capacity Building Grants Program aims to increase the number of high-quality cardiovascular researchers in NSW and increase the national and international competitiveness of cardiovascular researchers in NSW. A total of \$6 million is available for the inaugural funding round.*

**ASSESSMENT**

- What benefit will this have to HNELHD patients?  
*For example: Improved access to...Enhance clinical care...Improved outcomes...*
- What impact will the research have on HNE staff?  
*Consider time, resources, practice improvements, capacity building.*
- Has this research been to ethics?  
*Yes (add ethics approval number) / Ethics approval will be sought (delete as applicable)*
- Does the HNELHD executive team responsible for approving this project need to be aware of any potential risks?  
*List any risks related to the conduct of the research and any mitigation strategies*

**RECOMMENDATIONS**

- That the appropriate Managers listed in Appendix 2 endorse the submission (in the order that is listed in Appendix 2), taking into consideration resources and impact on services
- That the Executive Director endorses the submission of the EOI in Appendix 2, then forwards to *enter your email* by COB *enter date*

**Appendix 1:** Summary of Research Project

**Appendix 2:** HNELHD Approvals required for submission of research project application

**Attachment 1:** Copy of application – not for circulation outside of approval chain *(please attach a copy of the full application you will be submitting).*
**Appendix 1: Summary of Research Project** *(Please complete)*

<b>Name of CI</b>	
<b>Name of Project</b>	
<b>Host Organisation</b>	
<b>HNE Staff member role</b>	<i>List names and roles</i>
<b>HNELHD in-kind Contribution</b>	
<b>HNELHD Budget Request</b>	\$
<b>Total Project Budget Requested over how many years</b>	\$ <i>(GST exclusive)</i> over <b>X</b> years
<b>Lay Summary of Project</b>	

**Appendix 2: HNELHD Executive Approval in principal to submit research project application**

Please note that a written or typed statement of endorsement is required by each approver along with signature of approval committing to sustainability to implement the findings should the project be successful.

<b>Service Manager Endorsement:</b>	
<b>Name:</b>	
<b>Position:</b>	
<i>Statement of approval/commitment</i>	
<b>Signature:</b>	<b>Date:</b> <i>__/__/__</i>
<b>General Manager Endorsement:</b>	
<b>Name:</b>	
<b>Position:</b>	
<i>Statement of approval/commitment</i>	
<b>Signature:</b>	<b>Date:</b> <i>__/__/__</i>
<b>Executive Director Endorsement:</b>	
<b>Name:</b>	
<b>Position:</b>	
<i>Statement of approval/commitment</i>	
<b>Signature:</b>	<b>Date:</b> <i>__/__/__</i>



### Writing grant applications

#### Preparing a Grant Application

Grants and awards are competitive and include rigorous selection criteria that are generally reviewed by an independent assessment panel. In order to make sure you put forward the best application possible here are some useful resources to support you in this process.

[General resources to support you preparing a grant application](#)

[Grants Hub Resources](#)

#### Seeking Executive Approval (HNELHD)

For most funding applications HNELHD requires management and executive approval indicating support for the application to be submitted and (dependent on the funding application) for the project to be translated into practice post the project's completion.

The following approval template should be used where this is a requirement.

[Brief Approval Template](#)

#### Funding Agreement Template (HNELHD)

For any funds that are to be transferred from HNELHD to the University of Newcastle or Hunter Medical Research Institute the following Funding Agreement approval checklist and template are to be used.

[HNELHD Approval template](#)

[Funding Agreement Template](#)

### Access Training

There are various training opportunities within HNELHD and externally that can support you to develop your research career.

[Training Opportunities](#)

### HNE Health Libraries

HNE Health Libraries provide a range of services to assist and support the research, teaching and information needs of all Hunter New England Local Health Districts staff and affiliated health professionals. The network is made up of seven libraries located in hospitals at Armidale, Belmont, John Hunter, Maitland, Mater, Tamworth, and Taree.

## FUNDING AGREEMENT (for provision of funding to the University of Newcastle & HMRI).

This is an agreement between the Recipient and Hunter New England Local Health District as identified below.

DETAILS	
<b>Agreement Reference.</b>	<b>Name:</b> <b>Number:</b>
<b>Recipient of funds.</b>	<b>Name:</b> University of Newcastle <b>ABN:</b> 15 736 576 735 <b>Contact Person:</b> Dr Paula Jones <b>Address:</b> University Drive Callaghan <b>Tel:</b> +61 2 4921 7733 <b>Mobile:</b> <b>Email:</b> <a href="mailto:research-grants@newcastle.edu.au">research-grants@newcastle.edu.au</a>
<b>Principal:</b> Hunter New England Local Health District.  ABN: 63 598 010 203	<b>Facility:</b> <b>Unit:</b> <b>Contact Person:</b> <b>Tel:</b> <b>Mobile:</b> <b>Email:</b>
TERMS	
<b>Agreed Payment Amount.</b> ( <u>excl GST</u> ).	\$XXXX (excl. GST) payable in 4 instalments on a quarterly basis as follows;
<b>Commencement Date.</b>	
<b>Term of this Agreement.</b> ( <i>cannot exceed 1 year</i> )	The term of this Agreement is set out below: Funded from: Funded to: Renewal terms (optional): additional years is entered into.
<b>Cessation/Termination.</b>	In the event of termination of research surplus funds are to be returned to HNE Health.

## FUNDING AGREEMENT

<u>Purpose of this funding.</u>	
<b>Supporting Documents forming part of this agreement.</b> ( <i>A copy of all documents must be attached</i> )	
<b>Special Conditions.</b>	
<b>Conflict.</b>	In the event on any inconsistency between this agreement and the supporting documents, this agreement prevails
SIGNING (executed as an agreement)	
Signed for and on behalf of the Recipient by:	Signed for and on behalf of the Hunter New England Local Health District by:
..... Signatory	..... <u>Signatory</u>
..... Print name and position of signatory	..... Print name and position of signatory
..... Date	..... <u>Date:</u>

[HNELHD-RSDO@hnehealth.nsw.gov.au](mailto:HNELHD-RSDO@hnehealth.nsw.gov.au)

# Research Advantage Program

**SPEAKER:** Ms Jo Dixon

*Manager - Research Advantage Program UON*



**Health**  
Hunter New England  
Local Health District



RESEARCH  
ADVANTAGE

# RESEARCH ADVANTAGE PROGRAM



# VISION

- Comprehensive career development pathway at each stage of the academic research career
- Future proof researcher capacity by building their research capabilities, profile and reputation in the research sector.
- Program of support for researchers to:
  - ❖ deliver competitive, high quality research
  - ❖ collaborate with national and global partners
  - ❖ develop as international research leaders



# AIMS

To foster the development of an engaged research community, empowering academics at all career levels to reach their full potential.

- A research orientation program
- Support and direction to connect with a suitable research sponsor
- Multi-disciplinary networking opportunities
- High-quality ongoing professional educational learning opportunities
- Research related capability development opportunities

# EMCR *Connect and Empower* Network

Supports researchers through:

- Interactive professional / career development sessions
- Opportunities for networking and collaborations
- Peer-to-peer support
- Hot Topics
- Know your Research Environment sessions  
*[Four events [2016] and Seven events [2017]]*

**Seven events delivered in 2018 - Register via *Discover***

## ECR Connect and Empower Network Dates for 2018

Date	Topic	Speakers/Presenters
Tues 20 March	Flash Mentoring	X10 Senior UON Academics
Mon 7 May	Peer-to-Peer DECRA	Facilitators x 2 ECR's Presenters x1 ECR & x1MCR
Thurs 21 Jun	Table of Wisdom: <i>The ECR Journey [STEMM focus]</i>	Facilitators x2 ECR's, x1 MCR & x1 Level E
Mon 30 July	Academic Kindness	Facilitators x2 ECR's
Thurs 6 Sept	Table of Wisdom: <i>The ECR Journey [CABLE focus]</i>	Facilitators x2 ECR's, x1 MCR & x1 Level E
Wed 3 October	Polish Your Online Profile	Facilitators x3
Tues 20 November	Diversify Your Thinking	Facilitators x1 ECR & 1 x MCR

**20180704 - Additional Session**  
**Networking with Confidence**  
**Dr Peter Kelly**

# Grant Accelerator Program

The grant accelerator program will offers opportunities to learn and / or advance:

- Grant writing skills
- Research project management principles

And access to:

- UON Academy of Reviewers

Expert researchers will review and guide the development of grant applications for major grant rounds, providing tactical feedback and advice to applicants.

- Grant incubator workshops

Incubator style workshops to support the development of fresh ideas for grant opportunities and collaborations, in a group-facilitated environment.

**2017 - 14 learning opportunities provided**

**2018 - 14 learning opportunities scheduled**

# Grant Accelerator Program – Learning opportunities

Topic	2018
<i>NHMRC 2018 Grant Rounds</i>	<i>Thurs 25 JAN</i>
<b>Session 1: Pre Grant Writing Circle</b>	<i>Fri 18 MAY</i>
<b>Session 2: How to respond to Reviewer comments: Rejoinder and Rebuttal preparation</b>	<i>Thurs 31 MAY</i>
<b>Session 3: Rejected Grants: Next Steps</b>	<i>Mon 18 JUN</i>
<b>Session 4: NHMRC Partnerships &amp; Centres of Research Excellence (CRE)</b>	<i>Tues 10 JULY</i>
<b>Session 5: NHMRC new schemes update</b>	<i>Tues 18 SEPT</i>
<b>*Session 6: Pre Grant Writing Circle [Callaghan]</b>	<i>Thurs 23 AUG</i>
<b>Session 7: Impact &amp; Engagement</b>	<i>Tues 11 SEPT</i>
<b>Session 8: Track Record and ROPE – ARC</b>	<i>Mon 24 SEPT</i>
<b>Session 9: Preparing Budgets</b>	<i>Wed 10 OCT</i>
<b>Session 10: Writing with impact &amp; finesse the first page of a Grant proposal</b>	<i>Wed 17 OCT</i>
<b>Session 11: What's new and Lessons learnt for inclusion in the 2019 ARC Grant Rounds</b>	<i>Mon 12 NOV</i>
<b>Session 12: SAPPHIRE SYSTEM</b>	<i>FEB 2019</i>
<b>Session 13: New NHMRC Investigator Grant – Case studies [Caves Theatre, HMRI]</b>	<i>Tues 20 NOV</i>
<b>Session 14: ARC DECRA Application</b>	<i>Wed 5 DEC</i>

# Innovation with Industry Scheme

**Aim:** to improve its collaboration with industry and promote high quality research that will drive innovation. This Scheme will:

- Facilitate collaborations between industry and researchers
- Foster partnerships through supported engagement
- Incubator-style interactive workshops
- Entrepreneur and Innovation boot camps
- Industry-Mentor partnerships

**2017 – Two introductory learning opportunities provided**

**2018 – Nine learning / networking opportunities to be provided**

IWI - Topic	2018
<b>Session 1: Cooperative Research Centre Projects (CRC-Ps) grants</b> [ATC 210]	4.00 – 5.30pm Wednesday 14 FEB 2018
<b>Session 2: ARC Linkage Projects</b> [ATC 210]	4.00 – 5.30pm Wednesday 21 MAR 2018
<b>Session 3: Research translation &amp; commercialisation – Australian Biotech Industry</b> [NewSpace: X502 – Collaborate Teal]	10.00 – 11.30am Thursday 19 April 2018
<b>Session 4: Join the dots - Better Health, Healthcare and Treatment - Global Impact Cluster</b> [Prof. Mark Flynn] [I2N Hunter Street Hub]	4.00 – 6.00pm Wednesday 23 May 2018
<b>Session 5: Innovation Connections Grants</b> [Treehouse, Callaghan Campus]	4.00 – 5.30pm Thursday 28 June 2018
<b>Session 6: ARC Hubs and Centres</b> [ATC 210, Callaghan Campus]	3.00 – 4.00pm Wednesday 1 August 2018
<b>Session 7: Information 101: NIER &amp; GIC Energy, Resources, Food and Water</b> Prof. Alan Broadfoot] [NIER]	2.00 – 3.30pm Tuesday 28 August 2018
<b>Session 8: Defence Funding &amp; Networking Opportunities</b> [I2N Williamtown Hub]	11.00am – 12.30pm Tuesday 25 September 2018
<b>Session 9: Finding Industry Funding Opportunities</b> Presented by Tim Cotter – AusIndustry Newcastle Regional Office [I2N Hunter Street Hub]	11.00am – 12.30pm Tuesday 13 November 18

# Health Professionals Research Education Program [HPREP]



The University of Newcastle [via Research Advantage] in collaboration with Hunter New England Local Health District will deliver the *Health Professionals Research Education Program*

A series of health specific presentations/seminars have been developed to run from March to November in 2018 - providing information and practical advice for our **Clinician Researchers, Clinicians, Conjoints and Managers.**

Session	Day	Topic
1	Friday 16 March	<b>NSW Health Translational Research Grant Scheme (TRGS)</b>
2	Friday 15 June	<b>Implementation Science / Knowledge Transfer</b>
3	Friday 31 August	<b>Appropriateness and Benefit of Research with Aboriginal People</b>
4	Friday 9 November	<b>Research Support Services</b>



# Health Professionals Research Education Program [HPREP]



Draft 2019 Program

Session	Date	Topics to be advised
1	Friday 15 March	HNE Staff: Subscribe to HNE-RSDO mailing list for notifications  UON staff: <a href="http://www.newcastle.edu.au/ra">www.newcastle.edu.au/ra</a> for updates
2	Friday 14 June	
3	Friday 30 August	
4	Friday 8 November	

**Contact:** [Research\\_Advantage@newcastle.edu.au](mailto:Research_Advantage@newcastle.edu.au)

**Visit the Research Advantage website:** [www.newcastle.edu.au/ra](http://www.newcastle.edu.au/ra)

<https://www.newcastle.edu.au/research-and-innovation/resources/research-advantage>

## **Multimedia Resources:**

<https://www.newcastle.edu.au/research-and-innovation/resources/research-advantage>

<https://www.newcastle.edu.au/research-and-innovation/resources/special-initiatives/multimedia-resources2>

# Q&A

# WHAT'S NEXT in 2018



**Grant Accelerator Program: Session #11: What's new and Lessons Learnt in the 2019 ARC Grant Rounds.** *1:30 – 3:00pm Monday 12 November 2018 [ATC 210, Callaghan Campus]*

**Innovation with Industry: Session #9: Finding Industry Opportunities.**  
*11.00am – 1:00pm Tuesday 13 November 2018. [I2N Hub Hunter Street Newcastle]*

**EMCR Connect & Empower: Session #7: Diversify Your Thinking.**  
*9:30 – 11:00am Tuesday 20 November 2018 [HB15 – Hunter Building, Callaghan Campus]*

**Grant Accelerator Program: Session #13: NHMRC Investigator Grants – case study writing.**  
*12noon – 1:30pm Tuesday 20 November 2018 [HMRI – Caves Theatre]*

**Grant Accelerator Program: Session #14: ARC DECRA Workshop**  
*9:00am – 12noon Wednesday 5 December 2018 [ATC 210, Callaghan Campus]*

**Health Professionals Research Education Program:** *2019 diary dates*  
**Friday 15 March**  
**Friday 14 June**  
**Friday 30 August**  
**Friday 8 November**