

## University and Faculty Research Centres Annual Report 2022 Institute for Evidence-Based Healthcare

The Institute for Evidence-Based Healthcare (IEBH) delivers world-class research, engagement and training that serves as a national and international resource for scholars, clinicians, system leaders, patients, and families in the implementation of evidence-based healthcare. The effective integration of research into practice contributes to the health and healthcare of Australians, influences health policy, improves global health outcomes, and enhances Bond University's reputation as Australia's leading private, independent, not-for-profit University.

### IEBH Mission Statement

We aim to improve healthcare by better understanding the causes of, and solutions to, gaps between research evidence and its application in practice.

#### To achieve this, we:

- Undertake research that more closely aligns evidence and patient care.
- Support and extend collaborations between clinicians and health researchers to achieve higher value care.
- Enable patients and families to make evidence-informed health decisions that are congruent with their values and preferences.
- Lead and facilitate the teaching and learning of evidence-based practice.
- Develop young researchers for research programs in sustainable health care.

To deliver these aims, we will generate new research evidence on four big, neglected problems in healthcare.



**Antibiotic resistance:** which currently leads to over 30,000 avoidable deaths per year in both Europe and the USA, threatening elective surgery, and a resurgence of the bacterial diseases of the 19th century.



**Overdiagnosis:** which has led to massive increase in the apparent prevalence of many diseases through definition change and overdetection, causing harm and rising healthcare costs.



**Neglected non-pharmaceutical treatments:** which are often as effective and as safe, or safer than their pharmaceutical cousins, but are poorly described, poorly “marketed”, and therefore, little used.



**Waste in Medical Research:** is estimated to cost > \$100 billion per year from avoidable design flaws, non-publication and poor reporting, resulting in >85% avoidable waste.

## IEBH Directors Report for 2022

The impact of the Institute’s research has been steadily increasing in part enabled by the contract research being done for organisations such as WHO (report on COVID19 platform trials), the National Heart Foundation (CVD absolute risk), the Department of Health (MBS health assessment items review), and the NSW Agency for Clinical Innovation (methods to prioritize and implement work on evidence practice gaps). Other notable impacts are the support for Gold Coast Health with Journal Clubs during the pandemic with strong endorsement from Queensland Chief Medical Officer, John Gerard, and the growing usage of the Systematic Review Accelerator tools.

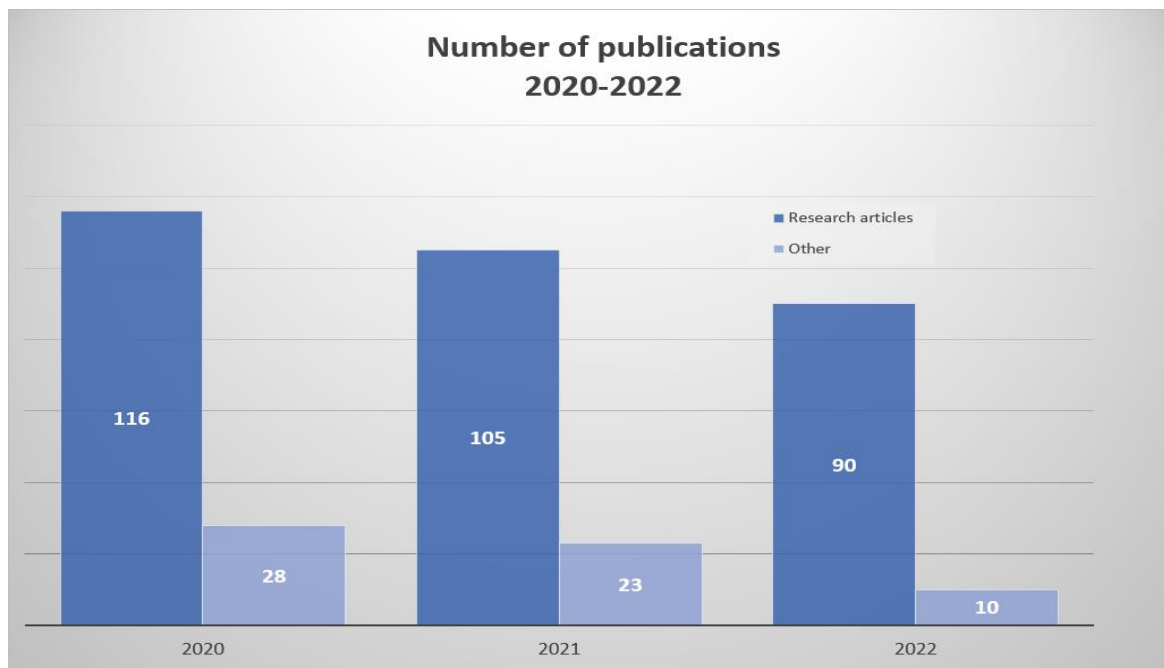
The two-week systematic reviews have developed extremely well, and now has it's own webpage: <https://iebh.bond.edu.au/education-services/2-week-systematic-reviews-2weeks/>

We have now completed almost twenty "2 week" reviews with new types and greater complexity. Several groups have expressed interest in learning or using, e.g., NSW ACI, SA Hospital Research Foundation, GCUH, and the methods have been successfully transferred to Griffith’s NHMRC Centre for Research Excellence (in wound management).

Finally, we recently published the results of a factorial randomised controlled trial involving audit & feedback letters to 3,819 high-requesting GPs. The reduction in imaging represents an estimated 36,158 fewer diagnostic imaging tests at 12 months (\$3-4Million saving), O’Connor DA, Glasziou P, Maher C, Albarqouni L, et al. Effect of an individualized audit and feedback intervention on rates of musculoskeletal diagnostic imaging requests by Australian general practitioners: A cluster randomized clinical trial. JAMA 2022; Sept 6:850-860)

Prof Paul Glasziou  
Director, Institute for Evidence-Based Healthcare

## Publications last 3 years



## Top Publications

1. O'Connor, D. A., **Glasziou, P.**, Maher, C. G., McCaffery, K. J., Schram, D., Maguire, B., Ma, R., Billot, L., Gorelik, A., Traeger, A.C., Albarqouni, L., Checketts, J., Vyas, P., Clark, B. & Buchbinder, R. (2022). Effect of an Individualized Audit and Feedback Intervention on Rates of Musculoskeletal Diagnostic Imaging Requests by Australian General Practitioners: A Randomized Clinical Trial. *JAMA*, 328(9), 850-860.
2. **Pathirana, T.**, Sequeira, R., **Del Mar, C.**, Dickinson, J. A., Armstrong, B. K., Bell, K. J., & **Glasziou, P.** (2022). Trends in Prostate Specific Antigen (PSA) testing and prostate cancer incidence and mortality in Australia: A critical analysis. *Cancer Epidemiology*, 77, 102093.
3. **Del Mar, C.**, **Hoffmann, T.**, & **Bakhit, M.** (2022). How can general practitioners reduce antibiotic prescribing in collaboration with their patients? *Australian Journal of General Practice*, 51, 24-30.
4. **Glasziou, P.**, Dartnell, J., Biezen, R., Morgan, M., & Manski-Nankervis, J. A. (2022). Antibiotic stewardship. *Australian Journal of General Practice*, 51(1/2), 15-20.
5. O'Keeffe, M., Ferreira, G. E., Harris, I. A., Darlow, B., Buchbinder, R., Traeger, A. C., Zadro, J. R., Herbert, R. D., **Thomas, R.**, Belton, J. & Maher, C. G. Effect of diagnostic labelling on management intentions for non-specific low back pain: a randomised scenario-based experiment. *European Journal of Pain*, 26(7), 1532-1545.

6. **Scott, A. M., Bakhit, M., Greenwood, H., Cardona, M., Clark, J., Krzyzaniak, N., Peiris, R., & Glasziou, P. P.** (2022). Real-Time Telehealth Versus Face-to-Face management for Patients with PTSD in Primary Care: A systematic review and meta-analysis. *Journal of Clinical Psychiatry*, 83(4), [21r14143].

7. **Greenwood, H., Krzyzaniak, N., Peiris, R., Clark, J., Scott, A. M., Cardona, M., Griffith, R., & Glasziou, P.** (2022). Telehealth Versus Face-to-face Psychotherapy for Less Common Mental Health Conditions: Systematic Review and Meta-analysis of Randomized Controlled Trials. *JMIR Mental Health*, 9(3), e31780.

8. **Cardona, M., Craig, L., Jones, M., Byambasuren, O., Obucina, M., Hattingh, L., Clark, J., Glasziou, P. & Hoffmann, T.** (2022). Guideline Adherence As An Indicator of the Extent of Antithrombotic Overuse and Underuse: A Systematic Review. *Global heart*, 17(1).

## Institute Grants and Funding

### NHMRC Investigator grants

- Investigator Leadership Fellowship: Professor Paul Glasziou AO – Neglected Problems in Health Care: \$2,701,595.00 (1/1/2020-31/12/2024)
- Investigator Research Fellowship: Prof Tammy Hoffmann OAM - Using shared decision making to improve the appropriateness of healthcare for individuals and the system: \$649,175 (1/1/2019—31/3/2025)
- NHMRC Investigator Emerging Leadership Grant (5 years) - Dr. Loai Albarqouni: Optimising the uptake of effective underused non-drug evidence-based interventions in primary care: \$650,740 (1/01/2022- 31/12/2026)

### NHMRC Centres for Research Excellence

- Wiser Healthcare: Better value for all Australians: \$2,500,000 (3/1/2022 - 31/12/2026) in collaboration with University of Sydney (lead investigator), Monash University and University of Wollongong
- Wiser Woundcare: Investing in High Volume, High Risk Woundcare Centre of Research Excellence: \$2,500,000 (1/1/2021 - 31/12/2025)
- Centre of Research Excellence in Minimising Antibiotic Resistance in the Community (CRE-MARC): \$2,499,728 (27/11/2018 - 31/10/2024)
- CREDiH: Centre for Research Excellence in Digital Health: \$2,498,649 (5/2/2018 - 31/10/2022)

## NHMRC Project Grants

- Physical activity coaching for adults with physical disabilities: a pragmatic randomised controlled trial: \$1,371,184 (10/7/2018 - 31/12/2022)
- Partnership Centre: Partnership Centre for Health System Sustainability; \$5,250,00 (1/7/2017 - 31/07/2023)

## Highlights & Milestones

### Awards

- Professor Paul Glasziou AO: VC Award for Research Excellence; Clarivate Highly Cited Researcher (5th yr running)
- Professor Tammy Hoffmann OAM: Scopus - Highly Commended Researcher of Excellence in Women in Research Award
- Assistant Professor. Loai Albarqouni: Lisa Schwartz Prize at Preventing Overdiagnosis Conference, Ottawa
- Assistant Professor Paulina Stehlik: Gold Coast Health Research Showcase Lightning Talk Presentation Award
- Justin Clark: VC Top Professional Award for Outstanding Service
- PhD student Hannah Greenwood: HBPRCA Presentation Winner
- PhD student Eman Abukmail: ICCH2022 Poster Winner
- PhD student Kwame Boaitey: HSM/MD & HDR Student Research Conference Best Oral Presenter

### Other Activities

- 10 external contracts commissioned for: The Agency for Clinical Innovation, The Heart Foundation, World Health Organisation (WHO), The Department of Health, Medical Research Future Fund (MRFF)
- National Wiser Healthcare meeting (September)
- Hosted 4 GoldNet Research events (2 online journal clubs, 2 face-to-face networking events)
  - Systematic Review Accelerator: continues to increase with 70,538 sessions (up 75.2% from 2021) and 307,355 page views (up 46.7% from 2021)
- Facilitated 3 COVID19 Journal Clubs for the Gold Coast Hospital (all via zoom)
- Facilitated 10 Journal Clubs for the IEBH research team (face-to-face as well as via zoom)
- Facilitated 20 workshops (face-to-face as well as via zoom) for 587 attendees

- Ambassador for World EBHC Day, 20 October 2022
- PhD Graduation: Thanya Pathirana
- New PhD student: Hannah Greenwood

## IEBH Staff, HDR Students and Collaborators

Staff	HDR Students	Our Partners
<b>Professors</b> Paul Glasziou AO David Henry Tammy Hoffmann OAM <b>Associate Professors</b> Rae Thomas Mark Jones Magnolia Cardona <b>Assistant Professors</b> Ray Moynihan Sharon Sanders Anna Scott Loai Albarqouni Paulina Stehlik Chrissy Erueti <b>Postdoctoral Research Fellows</b> Mina Bakhit Oyuka Byambasuren Natalia Krzyzaniak <b>Research Assistants</b> Hannah Greenwood Libby Gibson Emma Baillie Alexander Davidson Madeleen van der Merwe Tiffany Atkins Caroline Dowsett <b>Research Automaton Support</b> Matt Carter Connor Forbes Tian Liang <b>Information Specialists</b> Liz Dooley Justin Clark <b>Research Administration</b> Melanie Vermeulen Iris Gerke  <b>Adjuncts</b> Adjunct Assoc Prof Elaine Beller Adjunct Assoc Prof Claudia Dobler Adjunct Assoc Prof Sue Phillips Adjunct Assistant Prof Zoe Michaleff	Eman Abukmail Michelle Guppy Sujeewa Palagama Elaine Beller Justin Clark Leila Cusack Christoph Schnelle Rebecca Sims Ann Bryant Rhonda Morton Dominique Jones Kwame Peprah Boaitey Hannah Greenwood	Wisser Healthcare Cochrane Australia ISEHC GoldNet Research The Centre for Evidence-Based Medicine, University of Oxford EQUATOR AusRn ANZGrin REWARD Alliance The University of Sydney University of Wollongong Monash University The University of Queensland Macquarie University Therapeutic Guidelines Gold Coast Health Australian Research Council Queensland Government Education Queensland NHMRC Queensland Regional Health Collaborative The Sax Institute BESSI Behavioural, Environmental, Social and Systems Interventions (for pandemic preparedness)

# IEBH Advisory Board Minutes (Meeting 1, 2022)

**Date:** April 21st, 2022

**Time:** 1pm to 3pm

**Venue:** Zoom

**Attendees:** Dr Peter Brooks (Chair),

Professor Paul Glasziou, Professor Virginia Barbour, Andrew Calder, Jessica Toleman, Chrissy Erueti

## Summary of Actions

Action #	To do	Who
1	Contact Daniel Abrahams from Bond Transformer Hub. May be able to give IEBH some recommendations on commercialisation, subscription models	PG/IEBH rep
2	Meet with Catherine Marks re setting up IEBH Philanthropic Plan similar to that of Clem Jones plan	PG/NZ
3	Circulate to AB the document that goes to the Institute Review Team	CE
4	Change Risk Register 1. Medium 2. Very High	CE
5	Draft letter to Keitha re critical situation of IEBH Staff, Peter to Draft on Behalf of AB then PG and NZ to discuss with Keitha	PB/PG/NZ

1. **Apologies:** Catherine Marks, Nick Zwar, Greg Mullins

**Consideration of agenda:** Agreed.

Added, Introduction and welcome to Jessica Toleman to the Advisory Board

Jessica is the Director for Non-Admitted Reform Program, Healthcare Purchasing and System Performance Division (HPSP).

Jessica is an Experienced Clinical Coordinator with a demonstrated history of working in the hospital & health care industry. Skilled in Oncology, Healthcare Information Technology (HIT), Pharmacy, Medication Therapy Management, and Healthcare Management. Strong professional with a Master of Health Administration focused in Health Services Administration.

2. **Minutes and action items from meeting held September 23rd, 2021:**

Edit to Action 1 Change from Keith O'Neil to Keith McNeil then Approved.

### Discussion

- Action 2 Deferred – contact Cathy Foley after election
- Action 4 Hold – will not get in touch with Nous at this stage as contract work is progressing well and we are at capacity

- Action 5 Hold – this will be investigated later in the year as the EBP unit is currently developing EBP 2.0. Once this is completed can then look at micro credentialling

### 3. IEBH Director Report

Tabled and discussed.

#### **Finance update**

Tabled and discussed in Director's report

#### Discussion

- SR 2 weeker going very well – currently looking at models of subscription to the tools. Andrew suggested contacting the transformer hub staff (Daniel Abrahams Transformer Director), as they have experience in commercialisation. Also, Christin Moro has had contact with the transformer hub - Paul will liaise with Christian and set up meeting with Daniel
- Andrew commended the IEBH team on the diversification of funding that has been achieved. It was put into the strategic plan three years ago and IEBH has done what was asked and worked hard towards achieving that funding mix.

#### **Philanthropic and Contract Funding**

Distributed and discussed in Directors Report

#### Discussion

- Andrew mentioned Clem Jones have had a philanthropic plan put in place with assistance from Catherine Marks office. Recommended action – set up a meeting with Catherine, Nick and Paul to see if IEBH can have something similar.

#### **IEBH Review**

Terms of Reference Distributed and discussed

#### Discussion

- Review team David Butler (Translation QLD), Sally Redman (SAX Institute), Sharon Straus (University of Toronto)
- First meeting of panel end of May 2022. IEBH currently getting all the documents together to go to panel in two weeks' time
- Timeline May to July (final report and recommendation end of July)
- AB members have all offered to be available to the review panel as needed either individually or as a group. Paul will advise what the panel require



- AB member would like the documents that go to the review panel circulated to them

#### 4. Risk Register

Risk Register to be circulated at every meeting for review

Advised AB of Ray Moynihan resignation as of 31 May 2022 (may return in 6 months but unsure)

Advised of Rae Thomas reduction to .5

This is as well as two post doc who resigned from IEBH in the last 6 months Zoe Micheleff and Natalia Kryzaniak

AB members feel a letter be written as this is a critical staffing situation, could the university underwrite positions, give more security to staff? Concern is that more staff may leave.

Action Peter to draft letter and discuss with Paul and Nick next week

Action – change Risk register 1. Medium 2. Very High

#### 5. Environmental Scanning

- A lot of work going on in the open access area (GB)
- Change of executive Kim Terry (New Zealand) (GB)
- Governments national manufacturing priority will change the research direction for Bond and will impact greatly on funding (AC)
- Formula for grant block funding will change and will impact Bond (AC)
- ERA submission due next year, new FoR codes will impact Bond, IEBH needs to be aware of the change (AC)
- Several changes to staffing at QL Health (JT)
- A lot of work being done in the space of continuity of care, working with GPs (JT)

#### Other Business

Nothing further

**Next meeting**

October 6<sup>th</sup>, 2022, 10-12

## IEBH Advisory Board Minutes (Meeting 2, 2022)

**Date:** October 6th, 2022

**Time:** 10 am to 12pm

**Venue:** Zoom

**Attendees:** Dr Peter Brooks (Chair),

Professor Paul Glasziou, Professor Nick Zwar, Professor Virginia Barbour, Greg Mullins, Andrew Calder, Jessica Toleman, Liz Fisher, Chrissy Erueti

MINUTES		ACTION
<b>1. Welcome and apologies</b>	Welcome Liz Fisher Apologies from Catherine Marks	
<b>2. Approval of the previous minutes and action</b>	Confirmed. <ul style="list-style-type: none"> <li>• Action 1/3/4/5 completed</li> <li>• Action 2 Meet with Catherine Marks re setting up IEBH Philanthropic Plan (still to action)</li> <li>• Deferred Action September meeting – contact Cathy Foley after election – no longer relevant (removed)</li> <li>• Amend – correction to name spelling – Kim Tairi</li> </ul>	NZ/PG
<b>3. IEBH Director Report</b>	Refer to Attachment for full report, tabled and discussed  <b>Finance update</b> <ul style="list-style-type: none"> <li>• Long term funding uncertain, next few years appear stable</li> <li>• AB Chair congratulated IEBH on continuing to work towards the diversification of the funding streams</li> <li>• Need to increase the grant funding for 2023/2024</li> <li>• IEBH team meeting will discuss strategy for 2023 to be ready for larger grants in 2024</li> </ul> <b>Philanthropic and Contract Funding</b> <ul style="list-style-type: none"> <li>• Increased contract work</li> <li>• Repeat contract business e.g., ACI, DoH, as IEBH builds good partnerships, organisations are coming directly to IEBH</li> <li>• Further work needed on philanthropic funding plan</li> </ul> <b>IEBH Review Update</b> <ul style="list-style-type: none"> <li>• Received the report this week</li> <li>• Planning half day with IEBH team to review recommendations</li> <li>• Will engage a facilitator for the meeting</li> </ul>	

	<p><b>Commercialisation</b></p> <ul style="list-style-type: none"> <li>• Andrew Maxwell/ Chatsworth Associates engaged to development commercialisation plan</li> <li>• Andrew Maxwell to lead the transaction</li> <li>• Dr Sue Abhary is the project manager.</li> </ul> <p><b>Deputy Director</b></p> <ul style="list-style-type: none"> <li>• DD advertising closed 6<sup>th</sup> October</li> <li>• Shortlisting and interviewing over next two weeks</li> <li>• This recruitment round has very good candidates</li> <li>• Working towards commencement of DD early 2023</li> </ul>	
<p><b>4. Standing Items - Risk Register/Risk Management</b></p>	<p>Refer to Attachment</p> <ul style="list-style-type: none"> <li>• No changes</li> </ul>	
<p><b>5. Environmental Scanning</b></p>	<p><b>NPS</b></p> <ul style="list-style-type: none"> <li>• Widespread concerns have been flagged nationally about the demise of NPS</li> <li>• Will impact on our antimicrobial stewardship work</li> <li>• AusGrin group has written to Mark Butler about concerns</li> <li>• Paul to follow with Mark Butler</li> <li>• Greg identified as a possible opportunity for IEBH to step into this space</li> <li>• May know more after the October budget</li> <li>• Take offline for discussion, opportunities (NZ/GB/GM)</li> </ul> <p><b>Workshops</b></p> <ul style="list-style-type: none"> <li>• Greg asked if IEBH could roll out more workshops or journal clubs to increase funding in this space</li> <li>• Nick suggested micro credentialing as an avenue, Bond micro credentialing unit very good support to help with this</li> <li>• Paul identified possible micro credentialing to look at for Automation workshops or the registrars training</li> </ul> <p><b>Tweed Valley</b></p> <ul style="list-style-type: none"> <li>• Nick mentioned new Tweed Valley Hospital collaboration, with conjoint appointments</li> <li>• Discussion are still being carried out re the Research space, could be an opportunity like the GCUnit conjoint. But this will be down the track</li> </ul> <p><b>Philanthropy</b></p> <ul style="list-style-type: none"> <li>• Liz mentioned to explore the Ian Potter Foundation</li> </ul> <p><b>OA</b></p> <ul style="list-style-type: none"> <li>• Ginny – OA side of things the NHMRC policy is now out</li> <li>• All grant submissions need to look closely the APC costs, these are massive costs, so need to look at the OA options</li> <li>• Andrew agreed, the APC cost for the university is substantial and cannot be sustained</li> </ul>	<p>PG</p> <p>PG</p> <p>PG/CE</p>

	<ul style="list-style-type: none"> <li>• Bond Library is looking at all publisher agreements, trying to negotiate better discounts</li> </ul> <p><b>GP Crisis</b></p> <ul style="list-style-type: none"> <li>• Nick noted GP crisis summit was on, the GP Health of Nation 2022 document to be circulated</li> <li>• Jessica noted the reduction of GP recruitment has impact on hospital services</li> <li>• More work is being done in the virtual care space</li> <li>• Looking also at other disciplines e.g., how can a pharmacy support a virtual care model</li> <li>• Recommended Paul talks with Colleen Jen, Deputy Director General Queensland Health</li> </ul>	CE          PG
--	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------

**Next meeting**    **April 18<sup>th</sup>, 2023, 9am – 11am**