

[View in your browser](#)

# AIHI Innovate

## Vol. 5 2019

[Subscribe to our mailing list](#) | [Follow us on Twitter](#)

In this issue...

[Christmas greetings](#)
[Highlights](#)
[Publications](#)
[Patient safety](#)

### Christmas greetings



With 2019 drawing to a close, we take this opportunity to wish you all a relaxing and safe holiday period.

We hope you enjoy this Christmas edition of our newsletter packed with suggestions to keep you up to date on the latest research.

At the Australian Institute of Health Innovation, we have had a very productive and insightful year. Amongst other achievements, our research has delivered new understandings of how aged care services can be managed more safely and kindly; we provided the evidence that prompted investment by the federal government into an injury prevention program for children; we created an international collaboration to shepherd the translation of artificial intelligence technologies into healthcare; and we continued to join forces with local, national and international governments and organisations to improve the quality and safety of healthcare for patients, families, clinicians, staff and the broader community.

We look forward to working with you in 2020.

Best wishes

Professors Jeffrey Braithwaite, Johanna Westbrook, Enrico Coiera

## Publication highlights 2019



We are ambitiously dedicated to providing you and the broader health and policy sector, including consumers, with evidence-based research to catalyse performance improvements in the health system. Collectively, we produced more than 230 peer-reviewed journal articles this year plus we contributed numerous conference presentations and other articles.

We selected the following publications as highlights as they either made an impact to improving the body of knowledge in a field, proved particularly revealing, or attracted high, broad-based interest.

You can see all AIHI publications on our [website](#), but here are our suggested holiday reads arranged by topic.

- Improving medication management
- Exploring artificial intelligence and machine learning
- Translating research into practice
- Understanding apps and social media influences
- Enhancing diagnosis
- Innovation in work practices
- Learning from health outcomes
- Assessing the quality of care

**Medication management**

**AI and machine learning**



### Duration of antipsychotic medication use by aged care facility residents with dementia.

Lind KE, Raban MZ, Georgiou A, Westbrook JI. *Alzheimer Disease and Associated Disorders*. 2019;33(4):331-338

[Read more highlight articles HERE](#)



### The last mile: where artificial intelligence meets reality.

Coiera E. *Journal of Medical Internet Research*. 2019; 8;21(11):1-4. e16323

[Read more highlight articles HERE](#)

## Translating research into practice



### Re-energising the way we manage change in healthcare: the case for Soft Systems Methodology and its application to evidence-based practice.

Augustsson H, Churrua K, Braithwaite J. *BMC Health Services Research* 2019; 19:666

[Read more highlight articles HERE](#)

## Apps and social media



### Safety concerns with consumer-facing mobile health applications and their consequences: a scoping review.

Akbar S, Coiera E, Magrabi F. *Journal of the American Medical Informatics Association: JAMIA*. 2019

[Read more highlight articles HERE](#)

## Health outcomes

## Quality of care



### Rethinking the public health model for injury prevention.

Mitchell R, Ryder T. *Injury Prevention*. 2019; Published Online First: 1 November 2019

[Read more highlight articles HERE](#)



### Quality of care for acute abdominal pain in children.

Zurynski Y, Churruca K, Arnolda G, Dalton S, Ting HP, Hibbert PD, Molloy C, Wiles LK, de Wet C, Braithwaite J. *BMJ Quality and Safety*. 2019

[Read more highlight articles HERE](#)

## Enhancing diagnosis



### Improving the Performance of Clinical Decision Support for Early Detection of Sepsis: A Retrospective Observational Cohort Study.

Li L, Rathnayake K, Green M, Fullick M, Shetty A, Walter S, Braithwaite J, Lander H, Westbrook JI. In Ohno-Machado L, Seroussi B, editors, *MEDINFO 2019: Health and Wellbeing e-Networks for All - Proceedings of the 17th World Congress on Medical and Health Informatics*. Amsterdam: IOS Press. 2019. p. 679-683. (Studies in Health Technology and Informatics).

[Read more highlight articles HERE](#)

## Innovation in work practices



### Visualising clinical work in the emergency department: Understanding interleaved patient management.

Walter SR, Raban MZ, Westbrook JI. *Applied Ergonomics*. 2019;79:45-53.

[Read more highlight articles HERE](#)

## Frontline patient safety







Drawing from experience as a surgeon and medical administrator, our colleague Dr Glendon Farrow has published a bedside handbook for patient safety. While primarily aimed at new professionals at the start of their careers in healthcare, there are gems of wisdom for everyone and we commend "Frontline Patient Safety," to you.

Visit our website [aihi.mq.edu.au](http://aihi.mq.edu.au)



**Prof Jeffrey Braithwaite**

Centre for Healthcare Resilience and Implementation Science (CHRIS)



**Prof Enrico Coiera**

Centre for Health Informatics (CHI)



**Prof Johanna Westbrook**

Centre for Health Systems and Safety Research (CHSSR)

The **Australian Institute of Health Innovation (AIHI)** at Macquarie University conducts world-class research with national and international research communities, governments, policymakers, providers of health services, managers, clinicians, patients and the community. Our work underpins health reforms and systems improvement, providing new tools, perspectives and evidence to help stakeholders who are interested in making the health system more effective, efficient and productive. Our overarching aim is to produce new, high quality research evidence to support change, prevention and improvement.

**AUSTRALIAN INSTITUTE OF HEALTH INNOVATION**

Macquarie University | ABN 90 952 801 237 | CRICOS Provider 00002J

[Contact Us](#) | [Privacy](#) | [Unsubscribe](#) | [More information](#) | [View in your browser](#)

**Disclaimer:** Information given is correct at the time of distribution but is subject to change without notice. The University has the right to alter the content or impose terms and conditions in relation to a program at any time.