A wealth of knowledge at MedInfo

On behalf of the Board, Fellows and Members of the Australasian Institute of Digital Health, I warmly welcome you to MedInfo 2023. This is a rare opportunity to connect with your peers from more than 50 countries, sharing challenges and celebrating successes as we all strive to advance the frontiers of healthcare delivery in the digital age. Our theme - "the future is accessible" - focuses on the need to create an environment where data can be unlocked from silos, enabling patients and consumers to be at the centre of their own healthcare. The brightest minds in digital health are coming to Sydney, and there are hundreds of future-thinking stories to be told at MedInfo23. Just as you bring your own experiences to share, we are certain you will leave inspired and energised to take a wealth of new knowledge home.

We would like to acknowledge the International Medical Informatics Association for its tireless support and commitment to MedInfo, and give special thanks to the many volunteers who have worked with us to bring this important congress to life in Australia.

It is a great pleasure to welcome you to MedInfo 2023. We are thrilled to be able to gather the international community together once again after a long 4 years of dealing with the COVID-19 pandemic and thank the Australasian Institute of Digital Health for hosting our biennial conference in the beautiful city of Sydney.

Under the theme of "the future is accessible", MedInfo once again builds on a long tradition of sharing pioneering informatics research and insights to the ongoing efforts of digital health around the world. A special acknowledgement goes to the Scientific Program Committee led by Dr Paula Otero and Dr Philip Scott, Proceedings chair Dr Jen Bichel-Findlay, our esteemed track chairs, scientific reviewers, and editors, who have together provided the congress with a stellar program along with the opportunities to learn, engage and connect with you all and wish everyone a successful MedInfo.

I am particularly honoured to be co-chairing this prestigious event in my hometown of Sydney. As a city that is at the forefront of innovation and progress, I believe Sydney is the perfect place to host MedInfo. As co-chair, I am committed to ensuring the congress provides a platform for meaningful discussion and collaboration among the world’s leading experts in digital health.

MedInfo will address a range of key digital health issues, with a focus on the role of technology in delivering safer, equitable and sustainable health services to patients. Artificial intelligence (AI) is a major focus, as health systems worldwide look for ways to safely and effectively harness AI technologies to improve patient outcomes, enhance efficiency and reduce costs. Climate change and its impact on health system sustainability will also be high on the agenda, with discussions about how digital health solutions can help to reduce emissions and mitigate the effects of a changing environment on healthcare delivery.

I look forward to welcoming colleagues from around the world and to showcasing Australia’s dynamic and diverse digital health community. Together, we will work towards finding solutions to some of the most pressing digital health issues of our time, and creating a brighter future for healthcare for all.

I am thrilled to welcome the global informatics community to Sydney for MedInfo 2023, jointly hosted by the Australasian Institute of Digital Health and the International Medical Informatics Association.

The first MedInfo was hosted in 1974 in Stockholm. Almost fifty years on, the field has come so far and today it represents one of the most dynamic, interdisciplinary, transformational sectors of healthcare. The MedInfo23 program is a testament to that and a celebration of the diversity in our field.

We often focus on the technological innovations that incrementally advance specialist care in high-resource settings. But the true power of digital health comes in its ability to scale care – to bring quality healthcare into new areas, be it remote island communities, remote and disconnected island of a patient’s own home. This is what the conference’s theme – “THE FUTURE IS ACCESSIBLE” – means to me.
DOWNLOAD THE CONFERENCE APP

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**CXIO Leadership** INVITE ONLY

**ROOM CA.8** SATURDAY 8 JULY

8.30am Registration and arrival
9.00am Introductions, purpose, and overview of the sessions Adj Prof Richard Royle Chair, CXIO Leadership Stream (AU)
9.15am Setting the scene: The healthcare and digital health landscape: Trends and challenges David Kementor Digital Health Holdings (AU)
9.45am Developing and leading strategies Leaun Hyde Mater Health Qld (AU)
10.30am Morning tea
11.00am Digital health maturity: Outcomes and success measure Andrew Pearson HMSS (AU)
11.45am Change management vs. workforce readiness for digital health Greg Moran Australasian Institute of Digital Health (AU)
12.30pm Lunch
1.15pm Cloud adoption and usage: An international overview Sue McCarthy AWS (AU)
1.55pm Digital transformation case study Patricia Liebke Telstra Health (AU)
2.45pm Afternoon tea
3.15pm Digital transformation case study Prof Wonchul Cha & Prof Poong-Lyul Rhee Samsung Medical Centre (KR)
4.00pm Summarise and close for the day Adj Prof Richard Royle Chair, CXIO Leadership Stream (AU)
4.45pm Session close

**ROOM C4.10** SATURDAY 8 JULY

9.00am Welcome & introductions Daniel McCabe Department of Health and Aged Care (AU), Prof Rachel Dunscombe Global Advisor & Chair of the Forum (UK)
9.15am Setting the Scene: Global perspective David Roberts Global Health Leader (UK)
10.30am Morning tea
11.00am Building trust and confidence in healthcare: what are consumers looking for? Liz Salmi Citizen Scientist and Patient Informatics (US)
Dr Louise Schaper Australasian Institute of Digital Health (AU)
11.20am Building trust and confidence in healthcare Prof Trush Williams FIDH University Chair of ADH Trust Expert Advisory Group (AU)
A/Prof Paul Cooper Deakin University & ADH Trust Expert Advisory Group (AU)
12.30pm Lunch
1.15pm Changing business models of healthcare Prof Rachel Dunscombe Chair International Policy Forum (UK)
Leigh Donohue Chief of Data & Digital Telus Ora Health (NZ)
2.45pm Afternoon tea
3.15pm The role of digital in addressing the global workforce crisis Dr Monica Troujillo AIDH Board Director & Workforce Expert Advisory Group Member (AU)
Dr Louise Schaper Australasian Institute of Digital Health (AU)
4.15pm Global Digital Health Partnership Global Digital Health Model Security Notice (MSN)
Lisa Lewis Person Office for the National Coordinator for Health IT (US)
Aisha Hasan Head of Global Health IT, Office of the National Coordinator for Health IT (US)
4.55pm Bringing it together Prof Rachel Dunscombe Chair International Policy Forum (UK)
5.15pm Close

**ROOM C4.11** SUNDAY 9 JULY

Come together with other streams: International Policy Forum & Standards and Interoperability Masterclass

**ROOM C4.10** SATURDAY 8 JULY

9.00am Welcome & introductions Kate Enril Standards & Interoperability Chair (AU), Prof Trish Williams AIDH Standards & Interoperability Chair (AU), Adj Prof Richard Royle Chair CXIO Leadership Chair (AU), Prof Rachel Dunscombe International Policy Forum Chair (UK)
9.05am International Patient Summary Aisha Hasan Head of Global Health IT, Office of the National Coordinator for Health IT (US), Herko Coomans Netherlands representative to the Global Digital Health Partnership (NL), Peter Jordan HL7 International (RE), Rob Haussam FIDH Team Member (US)
9.45am PANEL Towards an open and sustainable community process for standards development Reuben Daniels HL7 Australia (AU), Kate Enril HL7 Australia (AU), Greg Moran CDIO Leadership Chair (AU), Graham Grieve Founder of FHIR (AU), Diego Kaminker HL7 International (AR), J/Prof David Rowlands Digital Health Leadership Australasia (AU), Jeremy Sullivan Department of Health and Aged Care (AU)
10.30am Morning tea

**ROOM CA.6** Return to CXIO room

11.00am Developing high performance teams Bard Pongpajao Evoor Health Digital (AU)
11.45am Interacting with your Board of Directors Bettina McMahons Health Direct Australia (AU)
12.30pm Lunch

**ROOM C4.11** SUNDAY 9 JULY

Come together with other streams: CXIO Leadership & Standards and Interoperability Masterclass

9.00am Welcome & introductions Kate Enril Standards & Interoperability Chair (AU), Prof Trish Williams AIDH Standards & Interoperability Chair (AU), Adj Prof Richard Royle Chair CXIO Leadership Chair (AU), Prof Rachel Dunscombe International Policy Forum Chair (UK)
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10.30am Morning tea

**ROOM C4.10** Return to IFP room with IFP attendees only

11.00am International Patient Summary: Reflections and Policy Implications Herko Coomans Netherlands rep to the G2HP (NL)
12.30pm Lunch

**ROOM C4.10** Return to IFP room with IFP attendees only

11.00am International Patient Summary: Reflections and Policy Implications Herko Coomans Netherlands rep to the G2HP (NL)
12.30pm Lunch

**ROOM C3.5** MONDAY 10 JULY

8.30am Morning plenary - Darling Harbour Theatre
9.00am Morning tea
11.00am Risk Management, Data Protection, Cyber security John Borch Chief Information Security Officer, Australian Digital Health Agency (AU)
12.00pm Summary and wrap-up of CXIO Leadership session - Next steps, Value of the sessions Adj Prof Richard Royle Chair, CXIO Leadership Stream (AU)
12.30pm Lunch and Innovation Expo

**ROOM CA.10** INVITE ONLY

9.00am Welcome & introductionsSimply register as an individual to receive regular updates!

**ROOM C4.11** SUNDAY 9 JULY

Come together with other streams: CXIO Leadership & Standards and Interoperability Masterclass

9.00am Welcome & introductions Kate Enril Standards & Interoperability Chair (AU), Prof Trish Williams AIDH Standards & Interoperability Chair (AU), Adj Prof Richard Royle Chair CXIO Leadership Chair (AU), Prof Rachel Dunscombe International Policy Forum Chair (UK)
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10.30am Morning tea

**ROOM C4.10** Return to IFP room with IFP attendees only

11.00am International Patient Summary: Reflections and Policy Implications Herko Coomans Netherlands rep to the G2HP (NL)
12.30pm Lunch

**ROOM C4.10** Return to IFP room with IFP attendees only

11.00am International Patient Summary: Reflections and Policy Implications Herko Coomans Netherlands rep to the G2HP (NL)
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<tr>
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<th>Session Title</th>
<th>Location</th>
<th>Chair(s)</th>
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<tr>
<td>9.00am</td>
<td>C4.1</td>
<td>Hands-on natural language processing for clinical informatics in Python</td>
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<td>Hannah Eyre (University of Utah), Alec Chapman (University of Utah), Patrick Alba (University of Utah), Scott L. BuVell (Department of Veterans Affairs)</td>
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<tr>
<td>9.40am</td>
<td>C4.2</td>
<td>From healthcare data to process analytics</td>
<td></td>
<td>Dr. Abel Armas-Cervantes, Prof. A/Prof. Daniel Capurro, Dr. Eric Rojas</td>
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<tr>
<td>10.30am</td>
<td>C4.3</td>
<td>Looking at real-world evidence studies: Making informed decisions to participate in participatory research</td>
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<td>Dr. Guy Tsafnat (Evidentli)</td>
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<tr>
<td>11.00am</td>
<td>C4.4</td>
<td>Considering real-world evidence studies: Making informed decisions to participate</td>
<td></td>
<td>Alhva Segal (Centre for Health Analytics, Royal Children's Hospital), Peter Summers (Centre for Health Analytics), Alice Vokoboboyk (Centre for Health Analytics), Dr. James Scandel (Centre for Health Analytics)</td>
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<tr>
<td>11.40am</td>
<td>C4.5</td>
<td>Kickstarting digital health intervention uptake: How implementation science can help improve engagement</td>
<td></td>
<td>Dr. Alana Delafontaine (Australian e-Health Research Centre), A/Prof. Joy Parkinson (Australian e-Health Research Centre), Dr. Craig Kuziemsky (McGill University), Dr. Ross Koppel (University at Buffalo), Dr. Valentina Lichtner (University of Leeds)</td>
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<tr>
<td>12.30pm</td>
<td>C4.6</td>
<td>Designing education to foster learning health systems</td>
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<td>Prof. Gretchen Piatt (University of Michigan Medical School), Dr. Caren Stalburg (University of Michigan Medical School), Dr. Sathana Dushyanthen (The University of Melbourne), Dr. Kayley Lyons (The University of Melbourne)</td>
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*Program schedule correct at time of printing. For updated information please view the conference app.*
9.00am WORKSHOP Making accessible futures: bring function and disability into the informatics conversation
Dr Denis Newman-Griffins University of Sheffield (UK) Gillian Morar Hunter Medical Research Institute (AL)

9.30am CHAIR Dr Michael Bainbridge FAIDH CHIA
Dr Frank Lin FAIDH CHIA
Dr Nadish Kariyawasam
CHAIR of Biomedical Informatics (US)
Dr Susan Fenton UTHealth School Research Institute (AU)

9.40am WORKSHOP Global health informatics
Dr Shashi Gogia Society for Assistance to Children in Difficult Situations (IN)

9.50am WORKSHOP New innovative design principles for involvement of frail and impaired older people in development and implementation of health technology
Lars Kayser University of Copenhagen (DK) Emilie Kauffeldt Wegner University of Copenhagen (DK)

9.55am TUTORIAL ISO 21700 for pre visit clinical assessment
Dr Shashi Gogia Society for Assistance to Children in Difficult Situations (IN)

10.00am WORKSHOP Will artificial intelligence in healthcare bring about a Gutenberg moment? Revolutionising the industry?
Daiibor Ivkovic Accenture (AL)

10.30am Morning tea

10.45am PANEL DISCUSSION
CHAIR Sudip Kundu Prof Rachel Dunscombe Kate Ebrill FAIDH CHIA, Prof Trish Williams FAIDH

11.00am WORKSHOP Inclusion of digital health in the International Standard Classification of Occupations: Developing an international submission
Prof Keryn Butler-Henderson FAIMAH RAND University (AL)
Dr Susan Fenton UThealth School of Biomedical Informatics (US)

11.15am WORKSHOP Investing in the digital health capabilities of the allied health professional sector
Melissa Anderson eHealth Queensland (AL) Michael Hasking ANZAC eHealth Big Picture Medical (AL)

11.20am TUTORIAL ICIO I for accident & emergency informatics and one digital health Prof Thomas Desserno Peter L. Reichert Institute for Medical Informatics (F) RIE (DE)

11.30am WORKSHOP Re-imagining a health future
Dr Frank Lin FAIDH CHIA

11.45am TUTORIAL Conducting clinical informatics survey research: Scientific methods and applications
Dr Gregory L Alexander Columbia University (US) Melodie Hobenstark Columbia University School of Nursing (US)

12.00pm Lunch

11.45am PROGRAMME CORRECTION: TUTORIAL "ISO 21700 for pre visit clinical assessment" moved to 9.30am

11.55am INVITE ONLY

12.30pm Lunch
1.15pm  Panel
How to create good stories for serious games in healthcare: Deconstructing storytelling through Liquid Game
Dr Kevin Yap
Singapore General Hospital (SG)
Michael Liem
La Trobe University (AU)
Neville Board
Centre for Digital Transformation of Health
The University of Melbourne,
Dr Olivia Metcalf
MITRE (US)
CITRIS Health - UC Berkeley (US)
Dr Scott McGrath
Communities
Challenges for medically underserved communities
Dr Scott McGrath
CTRS Health - UC Berkeley (US)
Dr Katherine Kim
MITRE (US)
Dr Olivia Metcalf
The University of Melbourne, Centre for Digital Transformation of Health (AU)

2.05pm  Panel
Remote patient monitoring: Promises and challenges for medically underserved communities
Dr Scott McGrath
CTRS Health - UC Berkeley (US)
Prof Farah Magrabi
Macquarie University (AU)
Dr Robab Abdolkhani
RMIT University (AU)
Dr Nina Rahimi-Ardabili
Centre for Health Informatics, Macquarie University (AU)
Prof Linda Bird
Healthdirect Australia (AU)

2.45pm  Afternoon tea

3.15pm  Panel
Balancing clinical decision support with practitioner judgement to improve consumer access to treatment
Bettina McMahon
Healthdirect Australia (AU)
Dr Charlotte Hoke
RACP (AU)
Dr Bronwyn Morrish
Amith Shetty
Australian Department of Health and Aged Care (AU)

3.15pm  Panel
Harnessing artificial intelligence to improve patient safety
Dr Ying Wang
Macquarie University (AU)
Dr Yang Gong
University of Texas Health Science Center at Houston (US)
Dr Zeo E.V. Wang
St. Lukes International University (JP)
Prof Farah Magrabi
Macquarie University (AU)
Prof Tom Snelling
University of Sydney (AU)
Prof Jim Buttery
Melbourne Children’s Campus (AU)

3.15pm  Panel
HV case surveillance implementation experience: Information system use cases in Botswana, Ethiopia, and Zimbabwe
Saro Abraham
Ethiopia Public Health Institute (ET)
Dr Getinet Lenjiso
Centers for Disease Control and Prevention (ET)
Judith Novak
Ministry of Health Botswana (BW)
Thu-Ha Dinh
Centers for Disease Control and Prevention (US)
James Kariuki
Centers for Disease Control and Prevention (US)

3.45pm  Tutorial
Accessing the power of SNOMED CT’s query language
Dr Linda Bird
BirdBird Enterprises Pty Ltd (AU)

3.45pm  Panel
Informatics and new vaccine implementation: Monitoring confidence, effectiveness and safety, and responding
Prof Jim Buttery
The University of Melbourne (AU)
Prof Tom Snelling
The University of Sydney (AU)
Prof Julie Leadsham
University of Sydney (AU)
Prof Adam Dunn
University of Sydney (AU)
Prof Allen Cheng
Monash Health and Monash University (AU)

3.45pm  Panel
Blending the digital divide in healthcare: An Australian story
Jo Hunter
Monash Health (AU)
Anjali Dhulia
Monash Health (AU)
A/Prof Suong Le
Monash Health (AU)
Neville Board
Department of Health Victoria (AU)
Edurado Vom
Planet Innovation (AU)
Dr Nic Woods
Microsoft Health (AU)

4.05pm  Panel
Innovating for quality outcomes in the US, Australia, and UK: Success, sustainability, and scope
Melissa Anderson
eHealth Queensland (AU)
Prof Wendy Chapman
The University of Melbourne, Centre for Digital Transformation of Health (AU)
Dr Adela Grando
UI Health (US)
Dr Anwar Jebran
UI Health (US)

4.05pm  Panel
Ensuring the quality and safety of telehealth services using standards, guidelines and best practice
Dr Alan Taylor
Flinders University (AU)
Dr Najib Al-Shoraby
MJA (AU)
Catherine Chronaki
HL7 Europe (BE)
Dr Shaikh Gopia
Society for Assistance of Telemedicine and Healthcare Informatics (IN)
Dr Oommen John
Bill and Melinda Gates Foundation (IN)
Dr Sheila John
Sarkara Nethralaya (IN)

4.45pm  Concludes
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<tr>
<td>1.15pm</td>
<td>C3.3</td>
<td>Person-centred care comes first</td>
<td>ROOM C4.9 C4.10 C4.11 C3.3</td>
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<td>1.30pm</td>
<td>C3.3</td>
<td>A pharmacist-assisted personalised mobile health intervention to promote physical activity among type 2 diabetes patients</td>
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<td>2.00pm</td>
<td>PANEL</td>
<td>Genomic data sharing: Balancing connectivity, insight and consumer control</td>
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<td>3.15pm</td>
<td>PANEL</td>
<td>Collaboratively navigating the complexities of co-design to deliver a clinically integrated model of care</td>
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<td>3.30pm</td>
<td>PANEL</td>
<td>Re-thinking patient-centred, connected care</td>
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<td>4.45pm</td>
<td>Concludes</td>
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**DAY 1 SATURDAY 8 JULY 2023**

*Program schedule correct at time of printing. For updated information please view the conference app.*
9.00am Simulating telemedicine: neuro-reconstruction and social determinants; A novel instructional approach to health system competencies
Dr Blake Lesselroth
University of Oklahoma (US)

9.30am Teaching module to train students for preoperatively predicting lung changes in MRI
Zhejiang Laboratory (CN)
Dr Yan Zhu

9.40am Developing a framework for the design and deployment of virtual reality (VR) in clinical education
Western Sydney Local Health District (AU)

9.45am Emergency department demand and the first year of the COVID-19 pandemic
University of South Australia (AU)
Dr Sanjulpal Khanna

9.50am National trial overview: Towards accessible and patient centered healthcare
Ditte Weber Aalborg University (DN)

9.10am Gesture detection using computer vision
Jiangsu University (CN)

9.10am Developing a framework for the design and deployment of virtual reality (VR) in clinical education
Western Sydney Local Health District (AU)

9.10am Developing a framework for the design and deployment of virtual reality (VR) in clinical education
Western Sydney Local Health District (AU)

9.20am Teleendoscopy: Simulating hybrid workflows for teledentistry
The University of Melbourne (AU)
Dr Sophie Jones

9.20am Teleendoscopy: Simulating hybrid workflows for teledentistry
The University of Melbourne (AU)
Dr Sophie Jones

9.25am RESILIENCE FOR HEALTHCARE WORKERS AT THE EPIDEMIOLOGICAL FRONTLINE: A SYSTEMATIC REVIEW
The University of Sydney (AU)
Dr Tania Cogliati

9.35am Using deep learning to retrospectively identify patients with early detection of multiple sclerosis
University of Wisconsin - Madison (US)
Dr Shuai Hu

9.40am Explaining artificial intelligence for deep-learning based classification of cystic fibrosis lung changes in MRI
Friedemann Ringwald

9.45am Explaining artificial intelligence for deep-learning based classification of cystic fibrosis lung changes in MRI
Friedemann Ringwald

9.50am Explaining artificial intelligence for deep-learning based classification of cystic fibrosis lung changes in MRI
Friedemann Ringwald

9.55am Explaining artificial intelligence for deep-learning based classification of cystic fibrosis lung changes in MRI
Friedemann Ringwald

10.05am Exploring the geospatial relationship between COVID-19 positivity and income in mixed urban-rural population
University of Missouri (US)

10.10am Exploring the geospatial relationship between COVID-19 positivity and income in mixed urban-rural population
University of Missouri (US)

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University of Missouri (US)

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University of Missouri (US)
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<tr>
<td>11.00am</td>
<td>PANEL</td>
<td>Herding cats in pandemic times</td>
<td>Dr Ming-Yuan Chih</td>
<td>University of Sydney (AU)</td>
<td>Dr Liliana Laranjo</td>
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<tr>
<td>11.30am</td>
<td>PANEL</td>
<td>Survey of potential disparity issues among minority stroke survivors in Central Brooklyn</td>
<td>Dr A/Prof Khin Than Win</td>
<td>University of Auckland (NZ)</td>
<td>Dr Karen Day</td>
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<tr>
<td>11.40am</td>
<td>PANEL</td>
<td>Discovering social determinants of health risk factors for peripheral morbidity through real world data</td>
<td>Dr Nishan Silva</td>
<td>CHAIR</td>
<td>Dr Peter Embi AFAIDH</td>
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<tr>
<td>11.50am</td>
<td>PANEL</td>
<td>Measuring associations between community-level social determinants of health and bariatric surgery weight loss outcomes</td>
<td>A/Prof Helen Monkman</td>
<td>University of Wollongong (AU)</td>
<td>Dr Karen Day</td>
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<tr>
<td>12.00pm</td>
<td>PANEL</td>
<td>Demonstrating digital health clinical competence in practice: A method for developing workable professional activities</td>
<td>Dr Daniel Vreeman</td>
<td>HL7 International (US)</td>
<td>Dr Stephen Grannan</td>
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<tr>
<td>12.30pm</td>
<td>Lunch</td>
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**OFFICIAL CONFERENCE OPENING**

3.30pm Welcome to Country **Brendan Kerin** Representative - Metropolitan Local Aboriginal Land Council (AU)

3.45pm Welcome by the Conference Co-Chairs
- **Dr Martin Seneviratne** Clinician Scientist, Google Health (UK) (@martin_sen)
- **Farah Magrabi** FAIDH Professor of Biomedical & Health Informatics, Macquarie University (AU) (@FarahMagrabi)

3.55pm Welcome by Vice President, MedInfo, IMIA **Dr Najeeb Al-Shorbaji** (@nshorbaji)

4.00pm Getting ready for Open Everything
- **Liz Salmi** Citizen Scientist and Patient Informatician (US) (@TheLizArmy)

4.20pm Generative AI: Why all the fuss?
- **Prof Toby Walsh** Chief Scientist, UNSW, AI Institute (AU) (@TobyWalsh)

4.40pm Pae Ora (Healthy Future) Health reform in Aotearoa
- **Leigh Donohue** Chief of Data and Digital, Te Whatu Ora (Health NZ) (NZ)

5.00pm Address by MedInfo Scientific and Industry Program Co-Chairs
- **Dr Paula Geter** (AR) (@paulagc) and **Dr Philip Scott** (UK) Scientific Program Co-Chairs
- **Kate Ebrill** (AU) (@KateEbrill) and **Greg Moran** (AU) Industry Program Co-Chairs

5.15pm Address by AIDH Chair & IMIA President
- **Bettina McMahon** Chair, Australasian Institute of Digital Health (AU) (@b3tt1n4)
- **Prof Yu-Chuan (Jack) Li** President, International Medical Informatics Association (TW) (@jiu468)

**MONDAY OPENING PLENARY - Future business models of healthcare**

3.30pm Address from the Assistant Minister Health and Aged Care
- The Hon Ged Kearney MP Assistant Minister Health and Aged Care, Australian Government (AU) (@gedkearney)

3.45pm Future of health trendspotting
- **Jessica DaMessa** Executive Producer & Host, WIT Health - What’s The Future, Health? (US) (@jessaramassa)

3.55pm The power to reshape the health ecosystem by embracing open platforms at scale: The Catalanian decision
- **Dr Jordi Piera Jiménez** Director of the Digital Health Strategy for Catalonia, Catalan Health Service (ES) (@jpieraj)

4.00pm Barriers, opportunities and solutions for digital health uptake in the MedTech sector
- **Ian Burgess** CEO, Medical Technology Association of Australia (AU)

4.15pm It’s time to upgrade healthcare: A fireside chat with technology leaders
- **Dr Karen DeSalvo** Chief Health Officer, Google Health (US) (@KDeSalvo)
- **Dr Louise Schaper** (AU) CEO, Australasian Institute of Digital Health (AU) (@louise_schaper)

4.30pm Make the most of MedInfo Down Under
- **Prof Farah Magrabi** (AU) Professor of Biomedical & Health Informatics, Macquarie University (AU) (@FarahMagrabi)
- **Dr Martin Seneviratne** Clinician Scientist, Google Health (UK) (@martin_sen)

5.00pm Address by MedInfo Scientific and Industry Program Co-Chairs
- **Dr Paula Otero** (AR) (@paulaocastilla5) and **Dr Philip Scott** (UK) Scientific Program Co-Chairs
- **Kate Ebrill** (AU) and **Greg Moran** (AU) Industry Program Co-Chairs

5.15pm Address by AIDH Chair & IMIA President
- **Bettina McMahon** Chair, Australasian Institute of Digital Health (AU) (@b3tt1n4)
- **Prof Yu-Chuan (Jack) Li** President, International Medical Informatics Association (TW) (@jiu468)

5.30pm Program concludes

7.00pm IMIA & AIDH Dinner (Invite only)
**DAY 3  MONDAY 10 JULY 2023**

**Program schedule correct at time of printing. For updated information please view the conference app.**
<table>
<thead>
<tr>
<th>ROOM</th>
<th>CA4</th>
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<tbody>
<tr>
<td>10.00am</td>
<td><strong>Panel: Regulation vs. innovation in health information technology markets</strong></td>
<td><strong>Panel: Ethical artificial intelligence (AI) in healthcare: Challenges and opportunities</strong></td>
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<td><strong>Chair:</strong></td>
<td>Dr. Mohammed Hossain</td>
<td>A/Prof. Anton Gradisek</td>
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<tr>
<td><strong>Panelists:</strong></td>
<td>Dr. Polina Kukhareva, University of Utah, USA</td>
<td>Prof. Farah Magrabi, Macquarie University, Australia</td>
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<td></td>
<td>Prof. Philip Scott, University of Wales Trinity Saint David, UK</td>
<td>Dr. Zoë S.Y. Wong, St. Luke’s International University, Japan</td>
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<tr>
<td>11.05am</td>
<td>Virtual nursing care through a pandemic and beyond</td>
<td>Collaboration in action: Can community Wi-Fi help to close the gap in remote Aboriginal health?</td>
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<tr>
<td><strong>Chair:</strong></td>
<td>Dr. Hweyoung Cho, University of Florida, USA</td>
<td>Marianne St Clair, Simband Health (AU)</td>
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<td></td>
<td>Dr. Michelle Honey, The University of Auckland, NZ</td>
<td>A/Prof. Laura-Maria Peltomäki, Tampere University of Technology, Finland</td>
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<td>11.50am</td>
<td>Dr. A/Prof. Elizabeth Dwyer, University of Manchester, UK</td>
<td>Dr. Sarah Pearson, University of Melbourne, Australia</td>
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<td>12.00pm</td>
<td>Digital MedTech: Bridging the Gap</td>
<td>Transforming community care: Remote and virtual AT LAST!</td>
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<td>Prof. Yu-Chuan (Jack) Li, Taipei Medical University, Taiwan</td>
<td>Sarah Pearson, South Metropolitan Health Service (AU)</td>
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<td>12.15pm</td>
<td>Q&amp;A</td>
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<td>ROOM</td>
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<td>CA1</td>
<td>Towards automated evaluation of patient centered care: Assessing the potential of electronic health records. Hanna von Gerich</td>
<td>Development of integrated data quality management system for observational medical outcomes. partnership common data model Seol Whan Oh</td>
<td>Accurate dosing weighing: When the needle really matters. Dr Swaminathand Kandaswamy</td>
<td>Effective clinical management of COVID-19 based on structured clinical knowledge and process pathways. Prof Satoko Tsu</td>
</tr>
<tr>
<td>CA2</td>
<td>Exploration of the voice of the patient in learning health systems: A socio-technical perspective Sonja Cassidy</td>
<td>Interdisciplinary learning health system approaches to respond to public vaccine safety concerns. Dr Gerardo Luis Dimagula Mardoch Children’s Research Institute</td>
<td>Fighting the same battles on a new battleground: Embedding technologies in a virtual care environment Dr Adoela Banghoj Aydelote University of Sydney</td>
<td>Towards an environmentally robust speech assistant system for public health. Prof Zhengzhuui Zhang Zhejiang Laboratory</td>
</tr>
<tr>
<td>CA3</td>
<td>Equitable machine learning for healthcare: a case study Dr John Farenden Bryan Macdonald</td>
<td>Implementation of HIV case based surveillance using standards-based health information exchange in Rwanda Dr Tom Glueck Centers for Disease Control and Prevention</td>
<td>Artificial Intelligence approach for dengue early warning system Anu Fusi, DEA Universitas Gadjah Mada</td>
<td>Identifying determinants of survival disparities in multiple myeloma patients using Electronic Health Record data Wanting Cui University of Utah</td>
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<tr>
<td>C4.2</td>
<td>Fertility-related conversations into the context of COVID-19 and vaccinations. Christopher Palmer Murdoch Children’s Research Institute</td>
<td>TAVN: Translate Align Extract Normals, a multilingual extraction tool for medical texts Dr Antoine Neurez National Institute for Research in Digital Science and Technology</td>
<td>Predicting medical event occurrence using medical insurance claims big data Hiromasa Yoshimoto Toh University of Tokyo</td>
<td>Development of a natural language processing system to identify clinical documentation of electronic cigarette use. Patrick Alb</td>
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<td>C4.3</td>
<td>Exploring the voice of the patient in learning health systems: A socio-technical perspective Sonja Cassidy</td>
<td>Towards a patient-centered design of a cancer telehealth system Dr Irene Pavrina Oncid School of Medicine at Mount Sinai</td>
<td>Pneumococcal vaccination lowers the risk of Alzheimer’s disease. A study utilising the IMM</td>
<td>Influence of context in transformer-based medication relation extraction</td>
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3.45pm Afternoon tea and Innovation Expo

4.00pm Workshop: A role for AI in healthcare

4.10pm Strategies for change

4.20pm Tech delivering value

4.30pm Digital health innovation

MONDAY CLOSING PLENARY - Future business models of healthcare

4.20pm The Future is Accessible! The inclusion of disabled people and disability and function data in health records

4.35pm It’s about will, not skill. The importance of a growth mindset for successful transformational change

5.20pm It’s time to upgrade healthcare: A fireside chat with technology leaders

5.45pm Welcome reception - sponsored by Accenture held in the Innovation Expo

*Program subject to change. Please visit the conference app for the most up-to-date information.*
TUESDAY 11 JULY 2023

**TUESDAY OPENING PLENARY - Leadership and Change**

**8.30am**
Our not-so-unique but personal story of life in the Maze (a.k.a. the healthcare system)
Sari McKinnon (AU) & Ashley McKinnon (AU) @ashmck73

Leading large scale change: Learning from “positive deviants”
Prof Helen Bevan Leader of Large Scale Change, NHS Horizons (UK) @helenbevan

Projects to transformation: The digital health inflection point
Prof Alain Labrique Director, Digital Health and Innovation, World Health Organization (CH) @alalabri

Transforming healthcare in Indonesia
Agus Rachmanto Deputy Chief of Digital Transformation Office, Ministry of Health (ID) @gurachmanto

**8.50am**
Morning tea and Innovation Expo

**9.00am**
Deloitte breakfast: invite only
Modernisation of healthcare through micro-transformations: Giving clinical time back to clinicians
Cameron Douglas-Savage Deloitte (AU), Sandip Kumar Gold Coast Hospital and Health Service (AU), Luke Busby Deloitte (AU)

Orio Health breakfast: invite only
Disrupting Healthtech: Canada’s innovative approach to reimagining the Health Information Exchange between their Clinicians; and a Digital Front Door for their consumers; unifying healthcare across the province
Stephen Stopyan (AU), Anne O’Hanlon (NZ), Carey Campbell CHIA

**9.30am**
Speed Networking Facilitated by Chris Jordan Australasian Institute of Digital Health (AU)
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Location</th>
<th>Chair</th>
<th>Co-Chairs</th>
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<tbody>
<tr>
<td>10:40am</td>
<td>PANEL Expanding information accessibility: Syntetic data</td>
<td>Room C4.4</td>
<td>Dr Rae Donovan</td>
<td>FAIDH CHIA</td>
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<td></td>
<td>Development of ward visitor management system in the COVID-19 pandemic</td>
<td>Room C4.5</td>
<td>Michaela Christina Neff</td>
<td>University Hospital Frankfurt (DE)</td>
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<td>Match Patients to Accelerate Clinical Trials (IMPACT): Enabling technology for oncology clinical trial workflow</td>
<td>Room C4.6</td>
<td>Dr Nihan Do</td>
<td>Boston VA Healthcare System (US)</td>
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<td>End-users’ perceived engagement with clinical dashboards: A rapid review</td>
<td>Room C4.7</td>
<td>Dr Christian Martin</td>
<td>Mayo Clinic (US)</td>
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<tr>
<td>12.15pm</td>
<td>Lunch &amp; poster display - Innovation Expo</td>
<td>Room C4.8</td>
<td>Julie Li</td>
<td>Macquarie University (AU)</td>
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**DIGITAL POSTERS**

- Global advances in digital health
- Human, organisational and social aspects
- Information and knowledge management
- Quality, safety and outcomes
- Human, organisational and social aspects
- Information and knowledge management
- Digital posters: Sponsored by Dedaibus
10.40am Co-designing clinical information systems: Framework and lessons from the ground
Ali Besito
OMICS (AU)

The Queensland digital sepsis journey: Using machine learning to predict sepsis in adults
Dr Paul Lane
Queensland Health (AU)

WORKSHOP FHIR-powered analytics for clinical decision support
John Grimes
Australian e-Health Research Centre, CSIRO (AU)
Dr Sanalja Khanna
Australian e-Health Research Centre, CSIRO (AU)

The future of patient-centred chronic disease care: Pro-active and multidiagnostic, with better outcomes
George Charalambous
Carne Tomnene (AU)

WORKSHOP FHIR-powered analytics for clinical decision support

10.55am Co-designed antenatal care: Empowering public health clinicians to accelerate digital transformation
Dr Julia Dalton
MUM Northern Aboriginal Birthing Program & POPA Project Manager

SAFE65 GP: Using general practice data to validate maternal changes as potential vaccine safety signal
Dr Ashwarya Shetty
Munich Children's Research Institute (AU)

Enabling interoperability in legacy healthcare systems
Roli Karp
Fluffy Spider Technologies (AU)

11.10am Designing for interaction and implementation: A case study on a clinical-decision-support-tool for sepsis
Dr Philip Gough
The University of Sydney (AU)

SKOTMACH: A novel population level spatiotemporal ecological approach to understanding impact of common respiratory viruses
Prof Jim Buttery
CMA
The University of Melbourne (AU)

11.25am WORKSHOP Demystifying digital health development: A no code blueprint for creating apps successfully
Leon Young & Ryan Miller
Cognits (AU)

Improved prediction of outcomes in preterm infants
Dr Alex Pagnoni
Australian e-Health Research Centre, CSIRO (AU)

How innovative remote care can successfully support healthcare - COMARCH case studies
Bob Verbruggen
Carnatch

11.40pm

12.15pm Lunch & poster display - Innovation Expo

12.20pm IMIA Working Group meeting: Student and Emerging Professionals

12.20pm Working Group Meetings during lunch break

ROOM C4.2 Accident and Emergency Informatics
ROOM C4.3 Language and Meaning in Biomedicine
ROOM C4.4 Teliahealth
ROOM C4.5 Technology Assessment & Quality Development in Health Informatics
ROOM C4.6 Dental Informatics
ROOM C4.7 Open Source Health Informatics
ROOM C4.8 APAM 3rd General Assembly
ROOM C4.9 Primary Care
ROOM C4.10 Health Informatics for Development
ROOM C4.11 Participatory Health and Social Media
ROOM C3.3 Student and Emerging Professionals

12.20pm Digital posters

12.20pm Digital posters

12.20pm Digital posters

12.20pm Digital posters

* Catering available in exhibition hall
1.50pm	**PANEL**

Key concepts for managing risk and quality in telehealth services

- **Dr Alan Taylor**
  Finders University (AU)

Consent management system on patient-generated health data

- **Petra Rodine**
  Norwegian Centre for E-Health Research (NO)

Modelling planned vs actual start time to control the efficiency of surgery

- **Dr Sandeep Khanna**
  Australian e-Health Research Centre, CSIRO (AU)

WORKSHOP

Writing for publication in biomedical informatics journals

- **Heiman de Fatima Marin**
  University of San Francisco (US)

WORKSHOP

Leading transformational change

- **Prof Helen Bevan**
  English NHS (UK)

2.00pm

2.20pm

**PANEL**

Interoperability is a process: The current state and future directions of patients’ online record access

- **Dr Carol Hollin**
  Victorian Legal (AU)

Community of interoperability: A big bang: Prognostic approach to achieving interoperability

- **Dr Alvin Marcelis**
  St. Luke’s Medical Center (PH)

WORKSHOP

Triage in the ICU using a partitioned, sequential, deep time series analysis

- **Dr Michael Shapira**
  Tel Aviv Sourasky Medical Center (IL)

WORKSHOP

Leading transformational change

- **Prof Helen Bevan**
  English NHS (UK)

2.10pm

Design of HL7 FHIR profiles for pathology reports integrated with pathology images

- **A/Prof Chung-Yen Lien**
  National Taipei University of Nursing & Health Sciences (TW)

Defining the boundaries of psychiatric and medical knowledge: Applying cartographic principles to self-organising maps

- **Dr Andrew Amos**
  Queensland Health (AU)

Visualising healthcare process variability

- **A/Prof Daniel Capurro**
  The University of Melbourne (AU)

2.20pm

Interoperability is a process: The data sharing framework

- **Hauke Hund**
  Heilbronn University of Applied Sciences (DE)

WORKSHOP

Visualising variation in the real-world clinical delivery of chemotherapy protocols

- **Dr Georgina Kennedy**
  Ingham Institute (AU)

2.30pm

Structural queries to AQL: Querying OpenEHR data leveraging a FHIR-based infrastructure for federated health data

- **Lorenzo Rosennau**
  University Lübeck (DE)

WORKSHOP

Developing robust clinical text deep learning models: A 'dumbness' approach

- **Dr Tuyong Wu**
  Australian e-Health Research Centre, CSIRO (AU)

2.40pm

**PANEL**

Current state and future directions of patients’ online record access

- **Dr Carol Hollin**
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WORKSHOP

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2.50pm

Interoperability in the wild: A comparison of real-world electronic C-CDA documents from two sources

- **Prof Brian Dixon**
  Faribanks School of Public Health (AU)

Graph representation learning-based fixed-length clinical feature vector generation from heterogeneous medical records

- **Prof Tomohiro Seki**
  The University of Tokyo Hospital (JP)

3.00pm

A hemodynamics mortality prediction model based on active contrastive learning

- **Dr Yu Wang**
  Zhejiang LUB (CN)

3.20pm

Afternoon tea and Innovation Expo

**ROOMS**

- C4.5: Quality and safety outcomes
- C4.6: Information and knowledge management
- C4.7: Health data science and artificial intelligence
- C4.8: Human, organisational and social aspects
- C4.9: Leading transformational change

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- C4.9: Leading transformational change

**1.50pm**

Early findings from Victoria’s Vaccine Safety Health Link (VSHL)

- **Dr Louise Schaper**
  Australian Institute of Digital Health (AU)

Andrew Griffiths

The Federation for Health Informatics Professionals (JPN)

Before the results

Lessons learnt from implementing ‘Smarter-Safer Homes’ in the homes of older adults

- **Katie Packer**
  Australian e-Health Research Centre, CSIRO (AU)

Reducing preventable harm to patients using a digital platform: A tool for clinicians and coders

- **Chiara Todaro**
  Beaumont (AU)

3.20pm

Afternoon tea and Innovation Expo

**ROOMS**

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**TUESDAY CLOSING PLENARY - Leadership and Change**

**4.00pm** Building digital health workforce capability across the GCC
Dr Osama El Hassan Coordinator, GCC Taskforce on Workforce Development in Digital Healthcare (AE) @canimani

**4.20pm** Climate change and health: A public health emergency but you can make a difference
Prof Nicholas Talley AC Distinguished Laureate Professor, University of Newcastle (AU) @Prof_NickTalley

**4.40pm** PANEL
Can digital health rise to the challenge of climate change?

PANEL 1:00 Prof Enrico Coiera FAIM Professor of Medical Informatics and Director, Centre for Health Informatics at Macquarie University (AU) @EnricoCoiera
Prof Emerita Lesley Hughes Distinguished Professor of Biology and Pro Vice-Chancellor, Macquarie University (AU)
Distinguished Laureate Prof Nicholas Talley AC University of Newcastle (AU) @Prof_NickTalley
Prof Farah Magrabi FAIM Professor of Biomedical & Health Informatics, Macquarie University (AU) @FarahMagrabi
Dr Mubaraka Ibrahim Acting Chief Information Officer, Emirates Health Services (AE)

**5.30pm** Program concludes

**6.30pm** MedInfo Gala Spectacular: Priscilla’s Desert Disco

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**WEDNESDAY OPENING PLENARY - Connecting Health**

**9.00am** The varieties of healthcare experience: Pluralism, informatics, and consumer empowerment
A/Prof Brian Chapman Patient Representative and A/Prof of Health & Biomedical Informatics, The University of Melbourne (AU) @chapmanbe

**9.20am** In a world with more data liquidity do we need poetry or precepts?
Grahame Grieve FAIM Principal, Health Intersections (AU) @GrahameGrieve

**9.40am** The public health case for AI and open source data for rapid epidemic intelligence
Prof Rana Macintyre Head Biocare Program, University of NSW (AU) @globalbiosec

**10.00am** Strengthening Medicare and beyond: Unlocking health information to empower consumers and advance healthcare reform
Amanda Cattermole FAIM Chief Executive Officer, Australian Digital Health Agency (AU) @AuDigitalHealth
Daniel McCabe First Assistant Secretary Medicare Benefits and Digital Health, Australian Department of Health and Aged Care (AU) @healthgovau

**ROOM C4.8 9.00am to 10.25am 513 WORKSHOP Making digital health equity a practical reality**

**9.00am to 10.25am 513 WORKSHOP Making digital health equity a practical reality**

**Dr Kara Burns** The University of Melbourne, Centre for Digital Transformation of Health (AU)
**Dr Mahima Kalla** The University of Melbourne, Centre for Digital Transformation of Health (AU)
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<th>Quality and safety outcomes</th>
<th>Health data science and artificial intelligence</th>
<th>Information and knowledge management</th>
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<td>CA 4</td>
<td>Dr. Timothy Fadlouine</td>
<td>Catherine Kadri</td>
<td>Dr. Rana Al-Atti</td>
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<tr>
<td>11.10am</td>
<td>Effect of the COVID-19 lockdown on patient evaluation of usability of telemedicine</td>
<td>Dr Paula Otero</td>
<td>Hospital Italiano de Buenos Aires (AR)</td>
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<tr>
<td>11.20am</td>
<td>Effectiveness, costs and satisfaction of telemedicine</td>
<td>Review of the current state</td>
<td>Dr Paula Otero</td>
<td>Hospital Italiano de Buenos Aires (AR)</td>
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<tr>
<td>11.30am</td>
<td>Assessing the safety of a national decision support system for a national helpline</td>
<td>Dr Nina Hwang</td>
<td>HealthDirect Australia (AU)</td>
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<td>11.40am</td>
<td>Feasibility of “symptom discovery”, a longitudinal and comprehensive data collection tool during COVID-19</td>
<td>Dr Katherine Kim</td>
<td>MITRE (US)</td>
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<tr>
<td>11.50am</td>
<td>Applying team science to multidisciplinary digital health learning: Lessons from the wearable clinic</td>
<td>Prof Neil Perk</td>
<td>University of Manchester (UK)</td>
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<td>12.00pm</td>
<td>Real-world effectiveness of lung cancer screening using deep learning-based cost-effective prediction</td>
<td>Dr Jiang Bian</td>
<td>University of Wollongong (AU)</td>
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<td>12.10pm</td>
<td>A human-centered approach to measuring the impact of evidence-based online resources</td>
<td>Dr Maria Alejandra Pinero de Plaza</td>
<td>Flinders University (AU)</td>
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<td>12.20pm</td>
<td>Patients’ use of telemedicine mobile app during COVID-19 restrictions</td>
<td>Abdulmonem Alabulmumin</td>
<td>University of Wollongong (AU)</td>
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<td>12.45pm</td>
<td>Lunch and Innovation Expo</td>
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</table>
WEDNESDAY CLOSING PLENARY - Connecting Health

2.05pm PANEL Interoperability is a team sport
   Facilitator:
   - Dr Daniel Vreeman Chair-elect, Joint Initiative Council for Global Health Informatics Standardisation (US) @djvreeman
   - Heathier Grain FAIDH Cameron ISO TC215 (AU) @heathergrain
   - Dr W. Ed Hammond Director, Duke Center for Health Informatics, Representing HL7 International (US) @duke_hammond
   - Don Sweete CEO, SNOMED International (UK) @snomedco
   - Dr Eza Hafeza Director of Terminology Operations and Services, Regenstrief Institute (US)
   - Dr Ngai Tseung Cheung FAIDH Head of Information Technology & Health Informatics, Hong Kong Hospital Authority, Representing the Global Digital Health Partnership (HK)

2.50pm Awards Best Papers & Best Student Papers
   Dr Paula Otroo (AR) @paulaocastilla5 and Dr Philip Scott (UK) Scientific Program Co-Chairs

3.10pm Awardees: Dr Yu-Chuan (Jack) Li IMIA President (TW) @jiaok88

3.15pm MedInfo Gavel hand over
   Bettina McMahon FAIDH Board Chair, Australasian Institute of Digital Health (AU) @b3tt1n4

3.20pm Conference Close from the MedInfo 2023 Co-Chairs
   Prof Farah Magrabi FAIDH Professor of Biomedical & Health Informatics, Macquarie University (AU) @farah_magrabi
   Dr Martin Seneviratne Clinician Scientist, Google Health (AU) @martin_sen

3.30pm Conference concludes

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- **ROOM**
  - CA 8: State of the Nation
  - CA 9: Keeping the data safe
  - CA 10: Implementation successes
  - CA 11: Enabling workforces
  - CA 12: Solving healthcare’s pressing challenges

- **Q&A**

- **11.10am**
  - PANEL State of the Nation: A discussion with Australian State & Territory Leaders
    - Chair: Greg Moran CHIA
    - Panelists:
      - WA Health (AU): Dr Lisa Lenzner
      - NT Health (AU): Dr John Lambert NT Health (AU)
      - VIC Health: Dr Peter Croll eHealth NSW (AU)
      - QLD Health: Dr Tanya Kelly eHealth Queensland (AU)

- **11.25am**
  - PANELISTS
    - Sandra Cook ACT Health (AU)
    - Neville Board SA Department of Health, Victoria (AU)

- **11.40am**
  - Dr Zoran Bolovich eHealth NSW (AU)
  - Dr Tanya Kelly eHealth Queensland (AU)

- **11.55am**
  - Dr John Lambert NT Health (AU)
  - Anthony Lencsar WA Health (AU)

- **12.10pm**
  - Don’t be alarmed! Dr David Pare Olinqua (AU)

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**DAY 5 WEDNESDAY 12 JULY 2023**

**Morning**

**10.00am**

**Room:**

- **CA 8**
  - State of the Nation
- **CA 9**
  - Keeping the data safe
- **CA 10**
  - Implementation successes
- **CA 11**
  - Enabling workforces
- **CA 12**
  - Solving healthcare’s pressing challenges

**Time:**

- **10.00am**
  - PANEL State of the Nation: A discussion with Australian State & Territory Leaders
    - Chair: Greg Moran
    - Panelists:
      - WA Health (AU): Dr Lisa Lenzner
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      - QLD Health: Dr Tanya Kelly eHealth Queensland (AU)

**Time:**

- **10.45am**
  - Dr Zoran Bolovich eHealth NSW (AU)
  - Dr Tanya Kelly eHealth Queensland (AU)

**Time:**

- **11.00am**
  - Dr John Lambert NT Health (AU)
  - Anthony Lencsar WA Health (AU)

**Time:**

- **11.45am**
  - Don’t be alarmed! Dr David Pare Olinqua (AU)

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<th>POSTER TITLE</th>
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<tr>
<td>Exploring nurse’s use of digital nursing technology</td>
<td>Alec Chapman</td>
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<tr>
<td>Data-driven retrospective electronic frailty index using operational data of aged care homes</td>
<td>Junhyuk Chang (US)</td>
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<tr>
<td>Clinical implementation of an AI early warning system algorithm: Lessons learned</td>
<td>Dr Pedro Caraballo (KR)</td>
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<tr>
<td>A de-identification model for Korean clinical notes: Using deep learning models</td>
<td>Jiyang Cho (KR)</td>
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<tr>
<td>A linguistic analysis examining the impact of COVID-19 on pneumonia diagnosis and disease models</td>
<td>Alec Chapman (US)</td>
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<tr>
<td>Decision support system detecting patients at risk of prolonged QT and associated mortality</td>
<td>Dr Pedro Caraballo (KR)</td>
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<tr>
<td>Data-driven retrospective electronic frailty index using operational data of aged care homes</td>
<td>Prof Lawrence Cavendon (AU)</td>
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<tr>
<td>Feasibility of applying the OMOP common data model to traditional Eastern Asian medicine dataset</td>
<td>Dr Granne Butler (HK) (AU)</td>
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<tr>
<td>Towards an integrated vaccine safety dataverse: SAFEPVC</td>
<td>Prof Jim Buttery (HK) (AU)</td>
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<tr>
<td>Uncovering variations in clinical notes for NLP modeling</td>
<td>A/Prof Daniel Capurro (AUS)</td>
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<tr>
<td>A whole of system solution for integrated diabetes management through digital healthcare</td>
<td>Deepak Bixial (AU)</td>
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<tr>
<td>An NLP framework for the extraction of concept measurements from radiology and pathology notes</td>
<td>Annie Bowles (US)</td>
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<tr>
<td>Visualising findings in the co-design of telepractice for the disability community</td>
<td>Cloe Benz (AU)</td>
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<tr>
<td>Machine learning model to extract malfunction data from nursing notes</td>
<td>Mohammad Alkhalaf (AU)</td>
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<tr>
<td>Development of clinical decision support system in hospital information system</td>
<td>Prof Ye Seul Bae (KR)</td>
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<tr>
<td>Patients’ experiences of demanded access to online health records</td>
<td>Annika Bärkäis (SE)</td>
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<tr>
<td>Reflections on working with a peer researcher in telepractice co-design</td>
<td>Cloe Benz (AU)</td>
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<tr>
<td>A hybrid ED: Embedding emergency telehealth in Australia’s bricks and mortar</td>
<td>Dr Audra Gedmitsina (AU)</td>
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<td>Analysis of self-sampling policy change in a national screening program</td>
<td>Prof Dorota Gertig (AT)</td>
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<td>Real-time FIRH</td>
<td>Dr Shashi Gogia (IN)</td>
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<td>Study of cross-sector health care quality indicators based on claims data</td>
<td>Prof Walter Gall (AT)</td>
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<tr>
<td>Predictive model for readmission using home healthcare notes and OMOP-CD</td>
<td>Sujin Gan (KR)</td>
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<tr>
<td>Process and the electronic health record: Challenges and difficulties faced when creating an EHR quality dashboard</td>
<td>Dr Kerendra Hail (IN)</td>
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<td>User-centered data display for clinicians to diagnose and manage hypertension</td>
<td>Dr Yang Gong (JP)</td>
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<td>Upgrading private health we-fi systems to enable virtual connected care</td>
<td>Colette Grice (AU)</td>
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<tr>
<td>Building new user interfaces for SNOMED-CT expression constraint language</td>
<td>John Grimes (AU)</td>
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<tr>
<td>Federated data sharing: Implementing passports for controlling access to analytic query APIs</td>
<td>John Grimes (AU)</td>
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<td>Adolescents’ and young adults’ experiences of offense from reading their health records online</td>
<td>Joseph Hagström (SE)</td>
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<tr>
<td>Activities and the electronic health record: Challenges and difficulties faced when creating an EHR quality dashboard</td>
<td>Dr Jacky Han (AU)</td>
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<tr>
<td>Clinical satisfaction results from implementing a jurisdiction wide digital health record</td>
<td>Dr Rebecca Hendry (IN)</td>
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<tr>
<td>Developing an appendectomy surgical pathway ontology (APOCO)</td>
<td>Nadeshda Hiliga (IN)</td>
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<tr>
<td>Targeted patient-led scheduling</td>
<td>Tim Ho (AU)</td>
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<tr>
<td>The technical implementation of the NCCN decision support SmartApps: A qualitative analysis</td>
<td>Mollie Hobensack (US)</td>
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<tr>
<td>A hybrid physical-digital simulation laboratory to expedite context-aware design and usability testing in digital health</td>
<td>Dr Kit Hockval (IN)</td>
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<tr>
<td>A high-flop: Informed consent for operation, procedure and treatment in digital journey</td>
<td>Veronica Hung (AUS) (HK)</td>
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<tr>
<td>CLIP Clinic: A digital health learning journey</td>
<td>Carmen Luz Ibarra (CL)</td>
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<tr>
<td>Electronic prescribing incident management: A sustainable plan for the future</td>
<td>Vicki Ibrahim (IN)</td>
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<td>Interprofessional documentation: Where is everyone?</td>
<td>Graham Iker (US)</td>
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<td>Educational needs assessment for family caregivers of dementia patients</td>
<td>Dr Eunyong Lim (KR)</td>
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<td>Performance of the electronic health record: Challenges and difficulties faced when creating an EHR quality dashboard</td>
<td>Dr David Ireland (AU)</td>
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<td>Implementing tap-to-witness technology in the electronic medical record</td>
<td>Dr Rebecca Jedwab (US)</td>
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<td>Evaluation of the proposed Arden Syntax v3.0 to represent query data mappings using FHIR</td>
<td>Prof Robert Jenders (US)</td>
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<td>Predicted body composition against COVID-19: A potential digital health strategy</td>
<td>Seongpyn Jeong (KR)</td>
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<tr>
<td>Literature on ontologies applied in clinical decision support systems demonstrates global collaborations</td>
<td>Dr Xia Jing (US)</td>
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<tr>
<td>Implementing the international consensus guideline for anticoagulant drug dosing in clinical practice</td>
<td>Aisling Kelly (UK)</td>
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<td>Defining the standard of the terminology of the mechanical ventilation data in Japan</td>
<td>Saito Kenich (JP)</td>
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<tr>
<td>Leading better value care</td>
<td>Dr Fahad Khan (AU)</td>
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<tr>
<td>First, engage your doctors: Effectively leveraging technology for an improved clinician experience</td>
<td>David Kim (AU)</td>
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<td>A new method for identifying patient movement ability and patient-staff assistance using real-time location system</td>
<td>Dong Won Kim (KR)</td>
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<tr>
<td>Adverse drug event characteristics in South Korea based on a nationwide adverse event reporting system</td>
<td>Dr Grace Kim (KR)</td>
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<tr>
<td>Traffic exposure and breast cancer mortality by area of residence: Incorporating clinical and socioeconomic data</td>
<td>Prof Hye Jung Kim (KR)</td>
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<tr>
<td>Current status of SNO-MED-CT national extensions and terminology managements</td>
<td>Seo Joon Kim (KR)</td>
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<tr>
<td>Designing medication-related profiles for Japanese ePrescriptions with HL7 FHIR</td>
<td>Dr Shinji Kobayashi (JP)</td>
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<tr>
<td>Panoramic radiography generation and image reconstruction from lateral vector using generative adversarial network</td>
<td>Dr Kazuma Kokomoto (JP)</td>
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<tr>
<td>Implementation of a multilingual electronic medical questionnaire: For use inside or outside the hospital</td>
<td>Dr Shozo Konishi (JP)</td>
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<td>Ensemble learning method for in-hospital cardiac arrest prediction</td>
<td>Dr Ja Hyung Koo (KR)</td>
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<tr>
<td>Providing practical knowledge and skills to handle real world data? Lessons learned from 'MedRWD' program</td>
<td>Dr Kazumi Kabota (JP)</td>
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<tr>
<td>McBb A model management system based on FHIR for clinical decision support</td>
<td>Zhe-Ming Kun (TW)</td>
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<tr>
<td>Augmenting impact through partnerships: Scaling a public hospital's virtual outpatient clinic service</td>
<td>Cathie LeBriere (AU)</td>
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<tr>
<td>Building data pipelines: Improving the flow of cancer data at the Cancer Institute NSW</td>
<td>Sheena Lawrence (AU)</td>
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<td>Development of a cloud-based electronic Nursing Record System (EHR) for nursing student practice</td>
<td>Dongkyun Lee (KR)</td>
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<td>A international standard RND database designed: Taiwan experience</td>
<td>Dr Hsiao-An Lee (TW)</td>
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<td>Prediction model the workplace violence in the emergency department based on the machine learning</td>
<td>Hyoung Bok Lee (KR)</td>
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<td>Is the fast track safe? A safety evaluation of the COVID-19 drugs with real-world data</td>
<td>Dr Kiyohisa Lee (KR)</td>
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<td>Exploring the knowledge structure and trends for severe COVID-19 risk factors using text network analysis</td>
<td>Prof Soo-Kyung Lee (KR)</td>
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<td>Electronic health record system usability scale: Construction and validation</td>
<td>Dr Jianbo Lei (CN)</td>
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<td>Cancer PROMs implementing and sustaining PROMs across NSW cancer services</td>
<td>Sandra Leon (AU)</td>
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<td>Cancer PROMs: Addressing what matters most to Aboriginal people</td>
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<td>Cancer PROMs: Creating equity for culturally and linguistically diverse communities</td>
<td>Sandra Leon (AU)</td>
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<td>A FHR-native informatics platform</td>
<td>Dr Hugo Leroux-Fahs (AU)</td>
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<td>Moderate-to-vigorous physical activity changes with the risk of SARS-CoV-2 Infection: A 6.3 million cohort study</td>
<td>Yo Hwan Lim (KR)</td>
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<td>Combining real-time data sharing &amp; patient tracking labs to create a centralised operational control centre</td>
<td>Jessica Litihothides (AU)</td>
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<td>Putting patients with long-term conditions at the centre of their healthcare journey</td>
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<td>Tackling the elective backlog with a blueprint for remote assessment clinics</td>
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<td>Tackling transfers of care and stranded patients by identifying opportunities to reduce length of stay</td>
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<td>Implementation of OHDSI research framework in Chinese Cardiovascular Association</td>
<td>Dr Chao Liu (CN)</td>
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<td>Telemedicine and COVID-19 pandemic: Experiences of Western China Hospital</td>
<td>Professor Jiulin Li (CN)</td>
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<td>Topical-EHR: A new-open-source EHR for research purposes</td>
<td>Dr Eugene Lubarsky (AU)</td>
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<td>Visit-to-visit blood pressure variability and cardiovascular disease: Comparation among realworld and clinical trial data</td>
<td>Mihetka Lukitsasani (AU)</td>
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<tr>
<td>Mental health monitoring: Design concept of a smartphone application</td>
<td>Dr Samaneh Madadian Fard (NZ)</td>
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<td>Pandemic management - health data and public health surveillance</td>
<td>Dr Samaneh Madadian Fard (NZ)</td>
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<td>Improved access, productivity and UX with identity and access management (IDAM)</td>
<td>Ian Manovel (AU)</td>
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<td>Accelerating quality in Australian aged care based on a reliable data foundation</td>
<td>Jennifer Marks (US)</td>
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<td>Clinical solutions design governance: The value of design working groups</td>
<td>Dr Carlo Matasande (AU)</td>
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<td>Collaborative product discovery in health informatics: Are we building the right thing?</td>
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<td>Enhancing clinical safety and cancer patient experience through comprehensive eLearning on central venous access devices</td>
<td>Lisa McLean (AU)</td>
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<td>Improving accessibility of continuing professional development for oncology health professionals through the evQ Education app</td>
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<td>User-led learning preferences to inform rapid learning online education supporting evidence-based best practice in oncology</td>
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<td>Automated diabetic retinopathy diagnosis for improved clinical decision support</td>
<td>Maryam Mehdizadeh (AU)</td>
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<td>PAICS future perspective: A revolution in healthcare industry</td>
<td>Dr Sushil Meher (IN)</td>
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<td>High accuracy open-source clinical data identification: The ClinicDEd solution</td>
<td>Dr Stephanne Meystre (NL)</td>
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<td>Digital health consent: For better interoperability and consumer control</td>
<td>Dr Zoran Mikulevic (AU)</td>
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<td>Gamified smartphone app interventions on behaviour and metabolic profile in patients at risk of cardiovascular disease</td>
<td>Sayan Mitra (AU)</td>
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<td>Optimal transport system for acute ischaemic stroke patients: A cost-effectiveness analysis</td>
<td>Dr Yasuhiro Morii (JP)</td>
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<td>A co-designed, community-driven, Australian virtual clinical registry</td>
<td>A/Prof Erin Morton (AU)</td>
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<td>The economics of medication safety: A cost-benefits analysis framework for evaluating an electronic medication system</td>
<td>Dr Virginia Mumford (AU)</td>
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<td>Effect of push-pull HEPA filters on air age in a dental treatment room</td>
<td>Erika Nambu (JP)</td>
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<td>Patient-centric healthcare is dead - what do we do now?</td>
<td>Dr Shainal Nathan (AUD)</td>
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<td>Clinical experiences of working with patient-generated health data in primary care</td>
<td>Noushin Nazarian (AU)</td>
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<td>Kenya leveraging clinical information systems (CIS), machine-learning (ML) to reduce treatment interventions for PLHVs</td>
<td>Margaret Naksha (KH)</td>
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<td>A narrative review of sociodemographic disparities in relation to PEHR access</td>
<td>Luke Newbiggin (AU)</td>
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<td>Building semantic search for clinical terminology</td>
<td>Dr Hao Ngi (AU)</td>
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<td>Deep learning based automation of AIMT modeling</td>
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<td>Accuracy evaluation of an estimation system for dental treatment sites by using image recognition</td>
<td>Dr Shinkaro Nishimoto (JP)</td>
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<td>Driving patient-centred, value-based care in colorectal cancer: a cloud-based patient-reported outcome measures (PRoM) program</td>
<td>Deanna Norgrove (NZ)</td>
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<td>Improving lung cancer chemotherapy surveillance through digital patient-reported outcome (PRoM) program</td>
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<td>A reproducible model based on clinical test for predicting suicidal behaviour</td>
<td>Dr Jihai Oberi (US)</td>
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<td>REDS telehealth to remote Indigenous communities</td>
<td>Dr Meg O'Connell (AU)</td>
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<td>Test extinction and standardisation system development for pathological records in the Korea Biobank Network</td>
<td>Seol Whan Oh (KR)</td>
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<td>Feasibility of embedding a randomised clinical trial into EHR for patients admitted to an ICU</td>
<td>Haustine Patt Panganiban (AU)</td>
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<td>Establishment of new prediction model for incidence of dementia in patients with type 2 diabetes</td>
<td>Thanh Phuc Phan (TH)</td>
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<td>Objective Smartwatch indices of affective switching: A pilot study in premenstrual dysphoric disorder</td>
<td>Dr Julianna Frim LS</td>
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<td>Automated feature selection from medical literature</td>
<td>Dr Alberto Purupara (IE)</td>
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<td>When the national directory and national telehealth service collaborate to support vulnerable communities</td>
<td>Kate Rend (NZ)</td>
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<td>Clinical safety at the forefront of developing software</td>
<td>Dr Tim Ross (AU)</td>
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<td>Designing a digital health solution: A platform for automated surveillance of fungal infection</td>
<td>Dr Vida Rizzo (AU)</td>
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<td>Digital patient pathways help ease elective surgery workflows by supporting recovery and reform programs</td>
<td>Ken Saman (AU)</td>
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<td>Elective surgery optimisation: From waiting list to recovery in the community</td>
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<td>Regional health network use e-pathways to overcome information gaps in healthcare</td>
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<td>The Queen Elizabeth Hospital uses digital patient pathways to reduce endoscopic patient wait times by 7%</td>
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<td>Animate retrieval pipeline in a medical data integration center: Using elasticsearch and deep-learning</td>
<td>Prof Bjorn Schreier (DE)</td>
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<td>HL7 &amp; DICOM: Structural medical data retrieval and analytics with elasticsearch</td>
<td>Prof Bjorn Schreier (DE)</td>
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<td>Implementation of digital health ethics: Starting with adoption of European ethical principles for digital health</td>
<td>Prof Brigitte Seroussi (FR)</td>
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<td>X-GART: Towards an explainable AI platform to study interruption in cancer radiation therapy</td>
<td>Dr Arash Shaban-nejad (US)</td>
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<td>Expanding technology-enabled nurse-delivered chronic disease care: EXTEND</td>
<td>Dr Ryan Shaw (US)</td>
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<td>Yuki Shiroto (JP)</td>
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<td>Evaluating informatics competencies requirements for hospital nurse managers in Japan</td>
<td>Dr Sachiko Shobuzawa (JP)</td>
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<td>Dr Ge Shi (CN)</td>
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<td>Patient satisfaction on telehealth services used in urban Sri Lankan settings, during the COVID-19 pandemic</td>
<td>Dr Nishan Silva Fagan (AU)</td>
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The AIDH was very pleased to commission this beautiful artwork which forms the bedrock of the Medinfo 2023 branding.

About the Artist and the Artwork

Craig (Wiradjuri/Kamilaroi)

“All Roads Lead Home to Country” 2021, acrylic on canvas.

“A story about me travelling, taking different roads to get back to Country, so I can see the sun rise again at my favourite place under my tree.”

About The Torch

This artwork was created through The Torch. The Torch is a not-for-profit organisation that provides art, cultural and arts industry support to First Nations people currently in, or recently released, from Victorian prisons. Their aim is to reduce the rate of reoffending by encouraging the exploration of identity and culture through art.

Find out more and see new artwork

www.thetorch.org.au

Your chance to own the original painting

We are offering the opportunity to purchase ‘All Roads Lead Home to Country’.

To participate in the silent auction, stop by the AIDH Booth to find out more and to place a bid.

Proceeds made from the silent auction will be donated to The Torch.

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Australia has a new groundbreaking healthcare AI and data event! AI.Care brings together people, ideas and advanced technologies to improve health outcomes through advancing data-driven healthcare.

Join us to unlock invaluable insights, forge collaborative partnerships, and gain a competitive edge as we collectively advance data-driven healthcare.

9-10 NOVEMBER 2023, RYDGES MELBOURNE

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Come visit the NSW Health exhibition space:

- eHealth NSW: Harnessing digital technology to deliver better patient care
  - Digital Academy
  - Enterprise Data Lake
  - MedSync

- Future Health: Guiding the next decade of health care in NSW
  - Digitally enabled wound model of care
  - Single Digital Patient Record
  - Virtual Care Strategy

- Elevating the Human Experience
  - All of Us: a guide to engaging consumers, carers and communities
  - NSW Digital Baby Book
  - Patient Reported Measures
  - Zara’s Journey

Sponsorship and exhibition opportunities open now for both events

To find out more about eHealth NSW: www.ehealth.nsw.gov.au
MedTAIPEI 2025 Info
The 20th World Congress on Medical and Health Informatics
9-13 AUGUST 2025

Important Dates:
- Submission System Opened: 01 Apr. 2024
- Paper/Poster Submission Deadline: 04 Dec. 2024
- Registration Deadline for Presenting Author: 20 Apr. 2025
- Early Bird Registration Deadline: 20 Apr. 2025
- Regular Registration Deadline: 08 Aug. 2025
- On-Site Registration: 09-13 Aug. 2025

Venue:
- Taipei International Convention Center

Come to visit the MedInfo 2025 booth NO. 76 and get free registration opportunity.

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