



CoRE Scientific Conference 2024 Regulating the Future of Health

Converging Health Products & Services Regulation
for Access, Innovation & Sustainability

14 - 15 October 2024

INTRODUCTION

The 10th Anniversary CoRE Scientific Conference marks a milestone in our journey as we celebrate a decade of achievements while looking ahead at emerging issues in the evolving field of health regulation. This year's Conference carries the theme: "Regulating the Future of Health: Converging Products & Services Regulation for Access, Innovation & Sustainability".

Focusing on four pivotal and pertinent themes – Regulating Artificial Intelligence & Digital Health, Regulating Precision Medicine, Regulating for Disease Prevention, and Partnerships for Effective Regulation, the Conference is envisioned to be a platform for key decision makers and stakeholders in the regulatory ecosystem to connect, engage, network, and be furthered empowered.



Closing panel discussion featuring (from left to right): Prof John Chambers, Dr Andy Greenfield, Prof Mark McClellan, Prof John Lim, Prof James Kingsland, Dr Harvey Castro and A/Prof Raymond Chua

The conference closing session was moderated by Prof John Lim. The panel comprised all the session chairs, Dr Harvey Castro, Prof John Chambers, Prof James Kingsland, A/Prof Raymond Chua and Dr Andy Greenfield, together with the 2024 Sir Alasdair Breckenridge Lecturer, Prof Mark McClellan. The panel reflected on the four thematic sessions over the two days and highlighted the following key takeaways from the conference.

Charting the Path Forward: AI and Digital Health

The transformative potential of Artificial Intelligence (AI) in digital healthcare is vast, offering opportunities to enhance clinical decision-making, patient outcomes, and operational efficiencies. However, the successful integration of AI must be anchored in ethical

governance, collaborative partnerships, strategic regulation and having human intelligence as part of the process, to ensure that technological advancements serve the interests of both healthcare providers and patients.

Moving forward, the development and implementation of AI in healthcare must be driven by multidisciplinary collaboration among scientists, healthcare providers, regulators, and patients. By addressing issues such as bias in algorithms, data privacy, and accountability, stakeholders can establish a framework that ensures AI is used responsibly and equitably. Only through shared responsibility and coordinated action can AI's full potential be realized—creating a future where technology enhances, rather than diminishes, the human touch in healthcare.

Precision Medicine: Unlocking the Future of Personalized Healthcare



Prof Mark McClellan 2024 Sir Alasdair Breckenridge Lecturer delivered his views at the closing panel.

Precision medicine represents a paradigm shift in healthcare, moving from generalized treatment approaches to targeted, individualized therapies based on genomics, lifestyle, and environmental factors. However, realizing its full potential requires a holistic strategy that balances innovation with inclusivity, trust, and strong regulatory frameworks.

The success of precision medicine hinges on cross-sector collaboration among regulators,

healthcare professionals, researchers, and patients. Ultimately, precision medicine, which is here to stay, is not just a scientific advancement but a re-imagining of healthcare itself, that prioritizes efficacy, personalization, enablement of data sharing and advances in agile and innovative regulations. This is to help ensure that every individual receives the care best suited to their unique biological and genetic makeup.

Prevention as the Cornerstone of Healthy Ageing

The future of healthcare must be proactive rather than reactive, with prevention serving as a fundamental pillar of healthy ageing. As populations age and healthcare costs rise, shifting the focus from treatment to prevention will be essential in enhancing quality of life, reducing disease burden, and fostering resilient regulatory systems.

As global demographics continue to shift, the urgency to act has never been greater. By fostering multi-stakeholder collaboration among policymakers, healthcare providers, and communities, it is possible to create a future where ageing is not seen as a challenge, but as an opportunity for a healthier, more vibrant society.

Building Effective Regulatory Partnerships: A Unified Approach

As healthcare systems become increasingly globalized and technology-driven, regulatory frameworks must evolve to balance innovation with patient safety, efficiency with equity, and oversight with adaptability. Achieving this balance requires a unified approach to regulation, one that is inclusive, transparent, and responsive to emerging healthcare challenges and need for regulatory professional development.

Ultimately, the future of healthcare regulation is not just about rules and enforcement—it is about relationships, collaboration, and a shared commitment to improving lives. By working together, stakeholders can create a regulatory landscape that not only facilitates medical and technological progress but also ensures ethical, accessible, and high-quality healthcare for all.