

Responding to the Changing Regulatory Landscape in Asia – HSA's perspective

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International Symposium for Asia Regulatory Coordination ~Memoriam for Establishment of PMDA Asia Office~



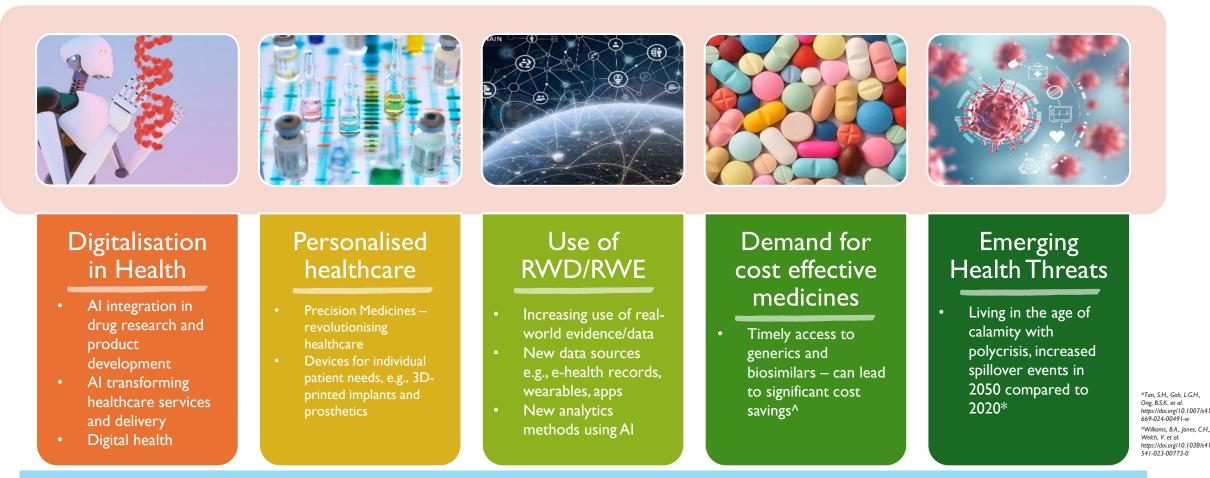


Overview

- Evolving Healthcare Landscape and Regulatory Challenges
- Lessons from COVID-19 Pandemic
- Principles to address Regulatory Challenges:
 - Balancing innovation and safety
 - Leveraging technology
 - Enhancing supply chain resilience
 - Engagement and collaboration with stakeholders

Evolving Healthcare Landscape and Regulatory Challenges





Regulatory Challenges: Gatekeeper and Enabler Roles, Gaps in Knowledge and Capacity, Increasing Product and Supply Chain Complexity

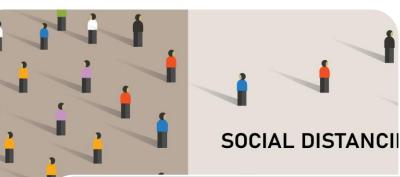
Lessons from COVID-19 Pandemic





Pre pandemic

- Traditional approval pathways
- Less flexibility in regulatory approaches
- Relatively slow trial recruitment in Asia
- Regulations governing telemedicine and digital health solutions were relatively limited



Post pandemic

- Accelerated approval processes
- Agile and adaptive approaches to regulation and its requirements
- Enhanced regional/international trial networking
- Enhanced focus on Digital platforms and services
- Strengthen supply chain resilience
- Expanded collaboration

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Principles to address Regulatory Challenges



Fundamental of health products regulation remains unchanged – benefits of health product must outweigh expected harms, based on sound scientific principles

Balancing innovation and safety

- Establish **future proof, risk-based, fit for purpose** regulatory framework to facilitate innovation, such as for Cell, Tissue and Gene Therapy Products
- Incorporate real-world data and evidence as part of benefit-risk assessment for regulatory approvals
- Robust post market surveillance
- **Patient centricity** e.g. a focus on aging populations
- **Collaborate** regionally/globally including convergence, reliance and worksharing in view of limited regulatory & industry resources

Principles to address Regulatory Challenges





Use **technology** to facilitate regulation

- Use of large data sets such as electronic health records, national immunisation registry to enable faster and better regulatory decision making
- Leveraging technologies such as Blockchain to streamline workflow while assuring authenticity & verification
- Automation of processes e.g., use of Robotic process automation (RPA), AI and machine learning



Resilience in Health Products Supply

- National preparedness for new emerging infectious health threats:
 - National coordinating body
 - Assure access to critical vaccines e.g. through end-to-end manufacturing capabilities and capacity
 - Vaccine lot release and biologics testing
- Partnering WHO in enabling reliance and capability building e.g. WHO Listed Authority Framework, South-East Asia's mRNA Consortia for mRNA Technology Transfer Programme

Boosting MRCTs in Asia Establishment of Japan-led network ARISE's strategic framework for partnership and collaboration

- - Value clinical trials in developing of novel therapeutics and healthcare benefits
 - ASEAN, with its diverse and sizeable population, is an important region to conduct clinical trials

Bach Mai Hospital

University of Indonesia



ARO Alliance for ASEAN & East Asia (ARISE)

Mahidol University

on Clinica Research Cooperation Investigatomitiated Trials ecrin with Japanese Cooperation with Research Strategy HULTI-REGION organizations global clinical CLINICAL TRIALS Capacity Development Pindo research networks PAPPs **Regulatory Consultation** Quality Management ARISE Accelerate in Asia Health Diplomacy CRIGH Research collaboration with Asian countries Establishment of NCGM offices in Asia Philippine office, Thai office, Faculty of Indonesia office Vietnam office, University of Philippines Medicine Siriraj Hospital

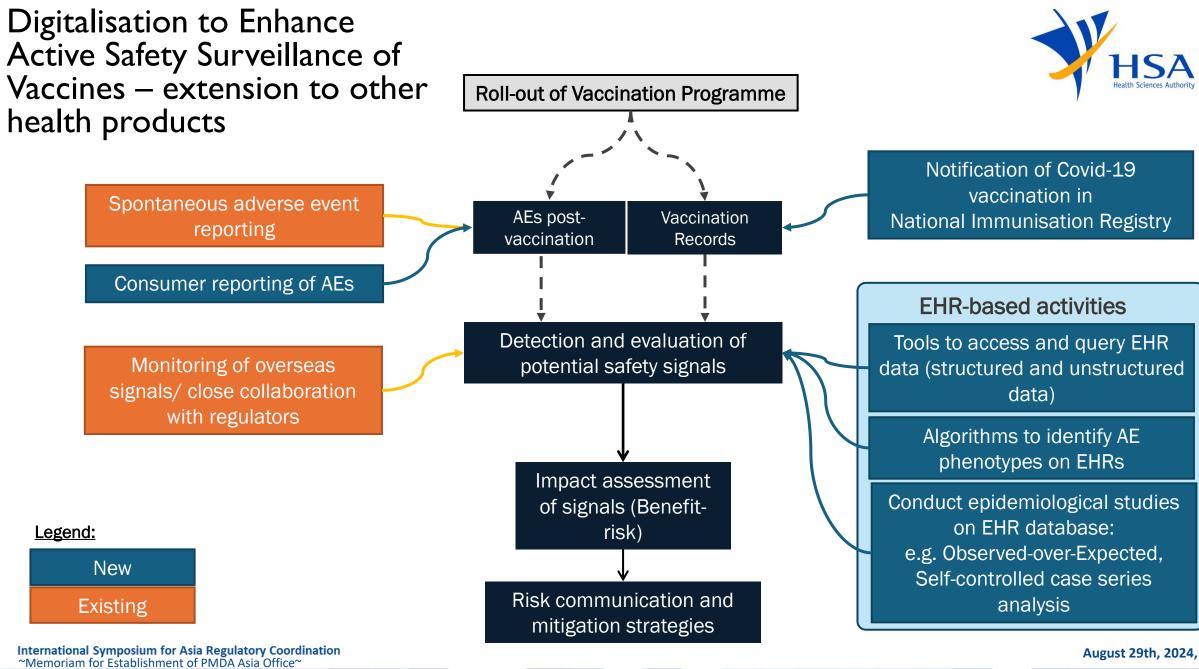
Manila

ARISE Members (Kick off mtg 9th Dec, 2021)

- Potential to better integrate ASEAN as a key CT region to foster impactful collaborations in innovative therapeutics and significant diseases in Asia
- Facilitates understanding of local context and addressing respective countries interests with better engagement and learning from each other

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Forging Ahead in Harnessing Collaboration



- Fostering open dialogues and collaboration among Asian regulators on regulatory science, capacity building, facilitated pathways etc. e.g., Asian Network Meeting platform
- Promoting regulatory convergence and reliance among Asian regulators e.g. regional harmonisation platforms such as ASEAN- Japan Comprehensive Strategic Partnership, APEC RHSC
- Leveraging existing platforms and frameworks such as ASEAN Pharmaceutical Regulatory Policy and ASEAN Pharmaceutical Regulatory Framework for furtherance of work



Rank you