

PS 1.5

HARNESSING THE POWER OF DATA

| BACKGROUND

In today's AI-driven era, data holds unprecedented significance across numerous sectors, notably in healthcare. Without adequate data, the development and functionality of AI would be severely hindered. Therefore, it's evident that data serves as the foundational cornerstone for the progress of AI in healthcare.

Nonetheless, the complexity and abundance of health data per individual, coupled with the multifaceted dimensions of such data, present formidable challenges. Additionally, ensuring the security of these highly sensitive datasets remains a critical concern.

| OBJECTIVES

- To demonstrate the potential of using big data in health sector to strengthen health systems and achieve universal health coverage
- To identify challenges and possible solutions of big data development and management in health sector from technology standpoint
- To illustrate potential collaboration opportunities among stakeholders for the development and governance of big data within the healthcare sector



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Dr. Alvin B. Marcelo is a general and trauma surgeon by training who is currently chief medical information officer of the St. Luke's Medical Center and executive director of the Asia eHealth Information Network (www.aehin.org). Prior to this, he served as senior vice-president and chief information officer of the Philippine Health Insurance Corporation (PhilHealth). As the director of the University of the Philippines Manila National Telehealth Center and chief of the Medical Informatics Unit, Dr. Marcelo established the Master of Science in Health Informatics program and conducted local and international research in the field of eHealth and health information systems development. He took his postdoctoral fellowship in medical informatics at the National Library of Medicine in Bethesda, Maryland with research interests in telepathology, mobile computing, and bibliometric analysis of MEDLINE content. Dr Marcelo previously managed the International Open Source Network for ASEAN+3, a centre of excellence in free and/or open source software established by UNDP, and advises the Community Health Information Tracking System (or CHITS) , a Stockholm Challenge finalist in the health category in 2006. He is the Philippine representative to the Asia Pacific Association for Medical Informatics (APAMI) and the International Medical Informatics Association (IMIA). Dr Marcelo is certified in the governance of enterprise IT (CGEIT - www.isaca.org), The Open Group Architecture Framework (TOGAF - www.opengroup.org), and Archimate, and COBIT5 Foundation/Implementation.