

Sustainable Healthcare Systems through Digital Technologies

Seoul, Korea, 6-8 November 2018

Improving health is one of the top priorities in most countries' development agenda and health is also included in the United Nation's Sustainable Development Goals (SDGs). However, poor people often forgo necessary health services particularly in developing world, and they are trapped in severe financial consequences resulted from ill health. Elderly people suffer more without adequate pension or health insurance in most developing countries. The rapid aging population worsens the situation due to the increasing health care spending.

Asian Development Bank (ADB) recently approved its new corporate Strategy 2030 which sets the course for ADB to respond effectively to the region's changing needs. Under Strategy 2030, ADB will sustain its efforts to eradicate extreme poverty and expand its vision to achieve a prosperous, inclusive, resilient, and sustainable Asia and the Pacific. Health sector development is one of key operational priorities under the Strategy 2030. ADB will support its developing member countries to achieve better health for all as well as other service delivery in social sectors for those in need.

Experiences from developed countries show that achieving universal health access did not happen overnight but took decades to reach their current state. They required public investments in infrastructure, enabling environment such as legislative instruments prioritizing sanitation, proper institutional arrangements, and coordination mechanisms among stakeholders, and innovative financing mechanisms such as PPP. The technology advance has also helped facilitating better health planning, management, and service delivery.

For example, South Korea has achieved the Universal Health Coverage (UHC) in 1989 within a relatively short period of time after the National Health Insurance (NHI) scheme officially started from 1977. S. Korea now ranks the first for healthcare access among OECD countries, the healthcare quality has been evaluated as the world's best, and the healthcare system ranks at the 4th for its efficiency around the world. The use of digital technologies has contributed to these achievements.

Digital technologies are opening vast opportunities for people to connect, trade, and access services that are currently not available. In health, digital technologies have a great potential to improve access to health services for people in remote and rural areas for better planning and management functions based big data, and to enhance education for health professions and field workers.

With this background, ADB and Korea Health Industry Development Institute (KHIDI) co-

organize a workshop on “Sustainable Healthcare Systems through Digital Technologies” to learn Korean experiences in health sector focusing on ‘public health service’, ‘health professions education’ and ‘national health information system’ from the perspective of digital technologies on 6-7 November 2018 in Seoul, S. Korea. The participants will learn from Korean experiences in health sector development through site visits as well as interactive discussion sessions. It is expected that around 30 participants from governments, health sector organizations from developing countries in Asia will join the program in addition to ADB staffs directly related to ADB’s operations in the health sector. A tentative program of the workshop is attached.

* KHIDI is a government-affiliated institution under the Ministry of Health and Welfare, which performs professional and systematic support to develop domestic health industry and enhance health services.

Agenda

Day 1: Public Health Service

- Session 1. Setting the Context
- Session 2. Public Health System
- Session 3. Innovations for Public Health
- Site Visit 1. Public Health Center

Day 2: Health Professions Education

- Session 4. Hospital Building and Management
- Session 5. Health Professional Education
- Site Visit 2. Teaching Hospital (Health professions education)

Day 3: National Health Information System

- Session 6. National Health Database
- Site Visit 3. Health ICT Center and System
- Session 7. Group Discussion
- * The country presentations will be prepared

Tentative Program

Day 1: Public Health			
Venue	Time	Program/Speaker	
Grand Salon	08:30-09:00	Registration and arrival tea and coffee	
	09:00-09:20	Opening and Welcoming Remarks <ul style="list-style-type: none"> - Opening Remarks (by MOHW) - Welcoming Remarks (by KHIDI) - Congratulatory Remarks by Patrick L. Osewe, Chief Health Sector, ADB 	
	09:20-09:30	Group Photo & Coffee Break	
	09:30--09:40	Brief workshop overview & Introducing speakers <ul style="list-style-type: none"> - Hyewon Jung, KHIDI - 	
	Session 1. Setting the Context		
	09:40-10:00	Key Challenges and Opportunities for Health Sector Development <ul style="list-style-type: none"> - Wonseok Seo, Professor, Yonsei Hospital 	
	10:00-10:20	Emerging Strategies to Address Health Care Challenges in Asia and Pacific <ul style="list-style-type: none"> - Patrick L. Osewe, Chief Health Sector, ADB 	
	10:20-10:40	Coffee break	
	Session 2. Public Health System		
	10:40-11:00	Health Financing for Universal Healthcare <ul style="list-style-type: none"> - Soonman Kwon 	
	11:00-11:20	Public Health and Communicable Diseases Control in Policy Sector <ul style="list-style-type: none"> - Jaeyoung Han, Celltrion 	
	11:20-11;40	Introduction of the ADB Pipeline projects <ul style="list-style-type: none"> - Mongolia (presented by - Altantuya Jigjidsuren, MNRM/ADB) 	
	11:40-12:00	Question and Discussion	
	12:00-13:00	Lunch	
	Session 3. Innovations for Public Health		
	13:00-13:20	Digital technologies for public health: focusing on maternal and child health Jungwon Rhu, Hillserion	

	13:20-13:40	E-Health and telemedicine for remote areas (challenges and opportunities for developing world) - Dr. Sang Chul Yoon, National Medical Center
	13:40-13:55	Cases in E-Health and telemedicine for remote areas - Jongtae Lee, ACK
	13:55-14:15	Mobile Hospital - Mingyu Lee. POSCO Daewoo
	14:15-14:35	Introduction of the ADB Pipeline projects - Sri Lanka (presented by Dr. Manoj Dissanayake, Medical Officer, Ministry of Health)
	14:35-14:55	Question and Discussion
	15:00-18:00	Site Visit 1. Songpa-gu Public Health Center in S. Korea
	18:00 -	Dinner hosted by KHIDI Business Meetings: Enlarging networks between companies and participants

Day 2: Health Professions Education		
Venue	Time	Program
Grand Salon	Session 4. Hospital Building and Management	
	09:00-09:20	Hospital design and building - Wonseok Lee, Aum and Lee Architects
	09:20-09:40	Smart-technology based Hospital Management and operations - Saeho Jun, Hyundai IT
	09:40-10:00	Introduction of the ADB Pipeline projects - Bhutan (presented by - Mr. Garab Dorji, ICT Chief, EPIS project, Ministry of Health) - Armenia (presented by Mr. Hayk Sayadyan, MOH)
	10:00-10:20	Questions and Discussion (on Session 4.'s Agenda)
	10:20-10:40	Coffee Break
	Session 5. Health Professions Education	
	10:40-11:00	Education in medical colleges (curriculum, laboratories, ICT in education) - Shin Ki Ahn, Professor, Yonsei University Health System
	11:00-11:20	Medical license and certificate system for health professions (ICT based examination) - Seungyong Shin, Chairman of technical & business advisory board, NSDevil co.,Ltd.

	11:20-11:40	Case presentation on Training for Overseas Health Professions - Dr. Jongmin Lee, Kyungpook National University Hospital
	11:40-12:00	Case presentation 'Medical equipment maintenance consulting in Viet Nam - Dr. Hyeonseon Park, Inha University Hospital
	12:00-12:30	Introduction of the ADB Pipeline projects - Viet Nam (Ngo Q. Vinh, VRM/ADB) - Uzbekistan (Farida Alijonovna Djumabaeva, URM/ADB)
	12:30-13:00	Questions and Discussion (on Session 5.'s Agenda)
	13:00-14:00	Lunch
Yonsei Hospital	14:00-17:00	Site Visit 2. Yonsei Severance Hospital and Medical college - Yonsei Severance Hospital, Medical college - Short Conference

Day 3: National Health Information System

Venue	Time	Program
Science Park Insight Hall	Session 6. National Health Database	
	10:00-10:10	Welcoming Remarks - Jae Sung Lee, LG CNS - Un Yeol Jung, LG CNS
	10:10-10:40	Introduction and Implementation Strategy of Health Insurance to Realize Universal Health Care (UHC) - Hong Rok Moon, LG CNS
	10:40-11:00	Case Presentation – Bahrain NHID Project Case - Hyuk Oh, LG CNS
	11:00-11:30	Questions & Answers
	11:30-12:30	Lunch
	12:30-13:30	Travel to Hotel
Namsan Room 1	13:30-14:00	Standards and Interoperability - Laying the Foundations for Digital Health Systems. - Kirthi Ramesh, Social Development Specialist, SDCC, ADB
	14:00-16:00	Group Discussion and Presentation
	16:00-16:30	Wrap up and Closing