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வெளிநாட்டு வளங்கள் திணைக்களம்

## Department of External Resources

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நிதி, பொருளாதார உறுதிப்படுத்துகை மற்றும் தேசியக் கொள்கைகள் அமைச்சு  
செயலகம் (3 ஆம் மாடி), த. பெ. இல. 277, கொழும்பு 00100, இலங்கை

Ministry of Finance, Economic Stabilization and National Policies  
The Secretariat (3<sup>rd</sup> Floor), P.O. Box 277, Colombo 00100, Sri Lanka

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මගේ අංකය  
எனது இல  
My No

TA/ADB/S/15/23

මගේ අංකය  
உமது இல  
Your No

දිනය  
திகதி  
Date

21 April 2023

**VERY URGENT**

Secretary / Ministry of Public Administration, Home Affairs, Provincial Councils and Local Government  
✓ Secretary / Ministry of Health

Attn: Officer In-Charge Foreign Trainings

Dear Sir,

### ADB: Workshop and Training on Use of Digital Technology to Improve Health Financing Business Processes in July 2023, Seoul, Republic of Korea

We are writing with reference to the e-mail dated 19<sup>th</sup> April 2023 sent by the ADB Sri Lanka Resident Mission on the above caption.

Accordingly, the Asian Development Bank (ADB) has invited nominations from the eligible Government officials for the above programme. The Programme Details are enclosed. (Attachment I)

We would highly appreciate, if you could submit nominations, according to the Invitation letter, to the Department of External Resources (ERD) with following documents;

- I. Nomination letter (from the relevant Ministry)
- II. Duly filled ERD form (Can be downloaded from [www.erd.gov.lk](http://www.erd.gov.lk))
- III. A Copy of the Passport
- IV. CV

The programme will be conducted in two phases, online-5 weeks and in-person (in Korea)-1 week. A limited number of applicants will be selected for the in person programme based on the online participation. ADB will cover the cost of participation. Applicants are strongly requested to read the programme details carefully and register as early as possible via the following link.

- <https://forms.gle/4DUqC8owWGDhkxhTA>

Please note that only the duly completed ERD Form received by ERD before 28<sup>th</sup> April 2023, with the line Ministry covering letter and other relevant documents as stipulated above, will be processed.

Your cooperation in this regard will be greatly appreciated.

Yours faithfully,

Udeni Udugahapattuwa  
Additional Director General  
for Director General

Copy to: Chief Secretaries, All Provincial Councils }

Pl. send applications with your recommendations through the relevant line Ministry.

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பணிப்பாளர் நாயகம்  
Director General

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ADB

SRI LANKA RESIDENT MISSION



18 April 2023

Mr. Ajith Abeysekera,  
Director General,  
Department of External Resources,  
Ministry of Finance, Economic Stabilization and National Policies,  
Colombo, Sri Lanka.

Dear Mr. Abeysekera,

**Request for Nomination of Participants  
Workshop and Training on Use of Digital Technology to Improve Health Financing  
Business Processes in July 2023, Seoul, Republic of Korea**

We are pleased to inform you that ADB, in partnership with institutions from the Republic of Korea, is offering a free e-learning course on **Use of Digital Technology to Improve Health Financing Business Processes**. As you are aware, digitalization of health sector activities has great potential to deliver greater efficiency, effectiveness, and transparency, and allow institutions to serve their beneficiaries better. ADB is excited to support ongoing digital health efforts in our developing member countries, which is a cornerstone of our Strategy 2030 Health Sector Directional Guide.

Participants completing the e-learning course will also be able to nominate themselves for an in-person workshop and training in Seoul, Republic of Korea in July 2023, for which costs will be covered by ADB. The initial selection of participants for the in-person workshop from among those completing the e-learning and self-nominating, will be proposed by ADB and confirmed through the usual channels with government counterparts.

We request you to share the attached brochure with your teams, which has the information on how interested staff from relevant institutions can register themselves for the e-learning course providing their CV and employment details, as well as indicate their interest in the in-person workshop. You may also share the following link to the Google form: <https://forms.gle/4DUqC8owWGDhkxhTA>

In case of any questions about the course, the selection procedure, and logistical arrangements, please feel free to reach out to Mr. Saro Tsaturyan (consultant, ADB [stsaturyan.consultant@adb.org](mailto:stsaturyan.consultant@adb.org)) and Jae K. Kim, Health Specialist ([jkim@adb.org](mailto:jkim@adb.org)).

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DD/e

We look forward to the participation of officials from Sri Lanka in this training and hope it will be of great utility to your work.

Thank you,

Sincerely,

  
Chen Chen  
Country Director





## Hybrid Training in Use of Digital Technology to Improve Health Financing Business Processes:

April to July 2023

Application  
deadline:

April 28

### COURSE INTRODUCTION

#### What is the purpose?

Developing countries in Asia and the Pacific are making urgent efforts to achieve universal health coverage (UHC) and the increase in coverage and capacity of government-supported health financing schemes or national health insurance (NHI) is key to this endeavor. Such financing schemes need to make investments in staff capacity, processes, and technology to achieve their mission to collect revenue and purchase appropriate care for their beneficiaries efficiently and effectively. The Asian Development Bank (ADB) is contracting the National Health Insurance Service (NHIS) and Ewha Womans University (Ewha) of the Republic of Korea to provide a hybrid training course for staff from NHIs in its developing member countries.

#### Who should join?

This course has been designed for personnel working on strategy, policy, information systems, and expenditure-linked decision-making in health financing or health insurance organizations as well as departments of ministries of health, who will be able to apply knowledge on digital technology and use of data in the management of their schemes. Participants can self-enroll for the E-learning online course with the provision of necessary credentials. To attend the in-person workshop in Korea, participants must complete the E-learning modules with a passing grade and have a nomination as well as written support of their employer.

#### What does the training contain?

- Practical elements to improve claims management, benefit design, and use of big data and automation in health financing and/or health insurance.
- Features an online E-learning course and 1-week Knowledge Sharing Workshop in the Republic of Korea, delivered by Ewha Womans University (Ewha) and NHIS, respectively.
- From the participants completing the E-learning course, 20 trainees will be chosen for the in-person workshop based on their participation rate, grades, and discussion scores. If any of the selected participants are unable to complete the formalities to attend the workshop in time, other participants from the shortlist beyond the top 20 will be invited to attend.
- The course content includes overview and examples from the national healthcare system in Korea, including innovations in use of digital technology in insurance systems.

#### E-learning course

Ewha Womans University

E-Class Platform (Online)

- 2023 April-May / complete over 5 weeks
- 5 Modules/10 Lectures/1 Discussion
- Participants: up to 100

Online Course Certificate

#### Knowledge Sharing Workshop

National Health Insurance Service

In Korea (Wonju & Seoul)

- 2023 July / 1 week
- 8 Field visits/ 5 Lectures/ 1 Discussion
- Participants: 20

Offline Certificate



## What are the learning objectives?

By the end of the course, participants will have:

- enhanced knowledge of the use of data and information technology in health insurance, and
- practical skills in how to apply advanced digital technology for specific business processes.

Also, they will gain knowledge of use cases of technology in health insurance from Korea in these areas that they can build on for their own insurance systems.

## Funding for the course participation.

All costs for participants will be covered by the ADB, including costs of instruction, online and offline materials, medical insurance, accommodation in Korea, per diem, air fare, and visa.

## What are the application requirements?

Candidates for the E-learning must demonstrate their eligibility by meeting either an academic or professional requirement. Candidates will also need to meet an English language requirement. The following are the aspects of the desired applicant profile:

- **National of an ADB developing member country:** see the list of countries on the ADB website at <https://www.adb.org/countries/main>
- **Academic requirements:** At least an associate or a bachelor's degree from a university in the field of public health, health administration, health economics, or equivalent.
- **Professional experience:** Minimum of three years' work experience related to health insurance or health financing. Intermediate or higher-level of experience in an Asia and the Pacific NHI system management is desirable.
- **Recommended English-language skills:** Intermediate level of English, sufficient for interactions with English speakers (equivalent to B1, IELTS 4.0-5.0 and TOEIC 550-780).

## How to apply?

Applicants should register at:  
<https://forms.gle/4DUqC8owWGDhkxhTA>

(or please scan the QR code)  
and upload the following documents in MS Word or PDF. Sign-in to google account may be needed:



### 1. For the E-learning course:

- Curriculum vitae (CV)
- Scan of valid employee ID card or equivalent (as proof of employment in the ministry of health, health financing scheme, or health insurer)

### 2. For the in-country workshop (if selected):

- A letter of support from the employer stating the person is has been nominated and is available to attend the 1-week workshop in the Republic of Korea

## How will participants be selected?

A three-step selection process will guarantee fair and equal opportunities for all applicants.

- **Step 1:** NHIS and Ewha will review the list of self-enrolled and registered applicants for the E-learning course against the course selection criteria to invite participants who meet the professional and educational requirements.
- **Step 2:** Upon completion of the E-learning course, the Course Advisory Committee will make a final evaluation to short-list 20 participants, plus a waiting list of 10 participants for the in-country workshop.
- **Step 3:** Based on this evaluation, ADB and NHIS will jointly notify the participants for the country workshop.

**Applications for E-learning close on April 28, 2023.**



## Part 1: E-learning Course

Total of 5 modules to be completed in 5 weeks, with 10 lectures & 1 group discussion\*

\* The schedule might be modified in terms of module length and the lecturers are subject to change.

### Module 1: Introduction

- Overview of digital solutions for generating sustainable value through healthcare decision making
- Korean innovations in member and provider management and alignment with social protection systems, as well as benefit and utilization review

No.	Topics	Lecturer	Time (min)
1	Program Overview	NHIS/Yanghee Kim Ewha/Hyekyeong Kim	30
2	Overview of National Health Insurance System of Korea, including the use of IT in financial management, the national health information system, and the role of HIRA	NHIS/Yanghee Kim	30

### Module 2: Improving Provider Reimbursement

- Claims management and automation including pharmacy benefit management
- Use of technology to investigate and resolve claims-related fraud, waste and other inefficiency

No.	Topics	Lecturer	Time (min)
3	Automated Claims Processing with Artificial Intelligence	Ewha (Lecturer TBD)	30
4	Claims Adjudication – fraud and audit control	NHIS/Hansang Kim	30

### Module 3: Benefit Design

- Using health technology assessment to evaluate high cost interventions, pharmaceutical products, and diagnostic tests in order to make evidence-based benefit design decisions

No.	Topics	Lecturer	Time (min)
5	Health Technology Assessment and its role in decision-making	Ewha/Jeonghoon Ahn	30

## E-learning Course (continued)

### Module 4: Digital Technology in Healthcare

- Converting routine data generation into decision-ready information
- Further applications of automation, including using machine learning for healthcare processes

No.	Topics	Lecturer	Time (min)
6	Healthcare Big Data	Ewha/Sungvogue Ahn	30
7	Machine Learning in Healthcare: Theory and Application	Ewha/Hyunsup Shin (TBC)	30
8	NCD management using ICT	Ewha/Hyekyeong Kim	30

### Module 5: Issues on Digital Transformation

- Acquiring and implementing technology as an insurer: key decisions
- Protecting consumer data, and other critical business processes from intrusion

No.	Topics	Lecturer	Time (min)
9	Assessing the benefits and risks of buy/build/partner for digital solutions	Ewha (Lecturer TBD)	30
10	Regulatory considerations on data and cyber security	Ewha (Lecturer TBD)	30

### Group Discussion / Evaluation

No.	Topics	Lecturer	Time (min)
11	Group Discussion	Ewha/NHIS and participants	30

Ewha: Ewha Womans University, HIRA: Health Insurance Review and Assessment Service, NCD: Non-communicable disease, ICT: Information and Communications Technology, TBD: To be determined, TBC: to be confirmed, NHIS: National Health Insurance Service



## Part 2: Knowledge Sharing Workshop

Total 8 field visits with 5 lectures and 1 discussion over 5 days\*

\* The schedule might be modified in terms of field visits and the lecturers are subject to change.

### Tentative Schedule (early July 2023)

Date	Contents
Day 1	Lecture 1: <b>Fraud Detection and Audit Control Systems</b>
	Discussion Session 1 <ul style="list-style-type: none"> <li>Introducing digital transformation: experiences of NHI schemes and healthcare systems from participants' countries</li> <li>Discussion: major digitalization challenges and how to address these issues</li> </ul>
Day 2	Field Visit 1: <b>NHIS Ilsan Hospital</b>
	Field Visit 2: <b>IT-related Healthcare Venture Company in Seoul</b>
Day 3	Lecture 2: <b>The Role and Utilization of Big Data in an NHI system</b>
	Field Visit 3: <b>NHIS Data Center Tour</b>
	Field Visit 4: <b>HIRA Data Center Tour</b>
Day 4	Field Visit 5: <b>KHIS Visit</b>
	Lecture 3: <b>Korean EMR certification system</b>
	Field Visit 6: <b>Healthcare Venture Company in Seoul</b>
Day 5	Field Visit 7: <b>Ewha University Campus Tour</b>
	Lecture 4: <b>Health Crisis Prediction System using Satellites</b>
	Field Visit 8: <b>Healthcare Sector Meta-verse Experience Center</b>
	Lecture 5: <b>Adopting the Meta-verse in Training Health Professionals</b>

NHIS: National Health Insurance Service, IT: Information Technology, HIRA: Health Insurance Review and Assessment Service, KHIS: Korea Health Information Service, EMR: Electronic Medical Record



### **What support is available during and after completion of the E-learning course?**

To access the E-learning course, participants will use the *Ewha E-class platform*. The participant will be able to download the lecture materials, take the lectures, and save their lecture/progress in case they are unable to finish the module in one session.

Also, participants, lecturers, and managers can exchange information and queries by using the platform's Q&A bulletin board.

Recorded lecture files, lecture notes, and additional reading materials will be uploaded through this online platform, and the participant will be able to download the notes and materials in PDF. The lectures are also available to the trainee at any time during the course, but they cannot download the recorded lecture files.

Quizzes and other evaluations will also be made available through this platform.

### **How will participants be evaluated?**

Participants are expected to view all elements of the course and to complete required quizzes. There may be homework assignments and there will be an end-of-course discussion.

Based on their participation rate and scores of quizzes, assignments, and discussion scores, the top 20 participants will have the opportunity to participate in the workshop, as long as they have submitted their nomination form/letter of employer support.

All participants will be requested to provide evaluation and feedback on each module/instructor.

### **What will participants receive at the end of the course?**

Two certificates will be issued: for participation in the E-learning course and the workshop by EWhA and NHIS.

### **Who is delivering the training?**

The training will be delivered by researchers and staff from NHIS and Ewha Womans university.

### **Contacts:**

ADB: Saro Tsaturyan ([stsaturyan\\_consultant@adb.org](mailto:stsaturyan_consultant@adb.org))

Ewha: Jiye Kim, Research Associate ([ydgkgk@naver.com](mailto:ydgkgk@naver.com))

NHIS: Dr. Yanghee Kim ([emily111@nhis.or.kr](mailto:emily111@nhis.or.kr))

