# 7 Workshop on AI in Smart Healthcare

**Date: 19 June - 2 July, 2024**
**Application deadline: 13 May , 2024**

**∗Invitation required:** Through the R.O.C (Taiwan) embassies, representative offices or Taiwan technical missions.

**3 GOOD HEALTH AND WELL-BEING**

**10 REDUCED INEQUALITIES**

**TAIWAN ICDF**

## Overview

This workshop showcases Taiwan's advances in smart healthcare and AI-assisted precision medicine. According to WHO report in 2020, the global healthcare workforce is overworked and under-resourced, which could be overcome through greater technology integration. For example, Taiwan's advanced medical and ICT industries have pioneered new healthcare technologies to reduce costs, increase efficiency, and improve the quality of care. Additionally, medical AI has seen significant growth in recent year, especially in precision medicine where physicians use AI analyses in clinical pathology and radiology. By completing this workshop, participants will gain practical insights to implement in their home countries.

## Objectives

- Improve capacity to use smart healthcare technology to support medical decision-making and optimize operational processes.
- Introduce situations where AI can assist in the interpretation of medical images, serving as an adjunct to physicians .

# Contents

- **Smart Hospitals and Digital Medical Administration:** IoT integration into healthcare has spurred telemedicine, enhancing service efficiency in remote areas. This workshop showcases medical IoT, which streamlines administrative tasks using electronic records, health information systems, and automated logistics.
- **Using AI Technology to Enhance Precision Medicine:** The workshop explores precision medicine's role in diagnosis and risk reduction, featuring AI-aided systems used in chest X-ray analysis, cardiovascular risk models, and AR systems for spinal surgery.
- The program aligns with the International Medical, will visit "Health & Care Expo," exploring smart medical device trends and digital healthcare technology applications.

# Issues this workshop will address

- How can technology improve the administrative efficiency of medical institutions and reduce costs?
- How can AI support physician diagnoses, and what are the legal considerations?

# Who may apply

- **Background:** Mid-to-high level officials from Ministries of Health and Welfare, managers of medical institutions, and members of non-governmental or international organizations
- **Fields of Expertise:** Health and wellness, social welfare, medical care, and smart healthcare industry

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