

Official side event

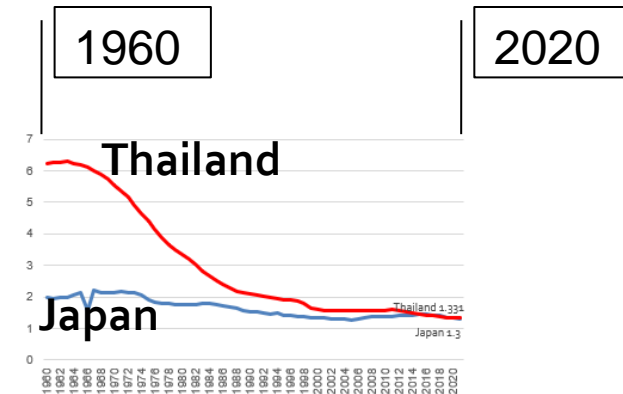
**“Shaping Sustainable Aging Through Digital
Innovation in Asia-Pacific Countries”**

***JICA perspective on sustainable aging
through digital innovation with a focus on
cooperation and innovative approach***

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23 April 2024***

Japan and Thailand's aging situations

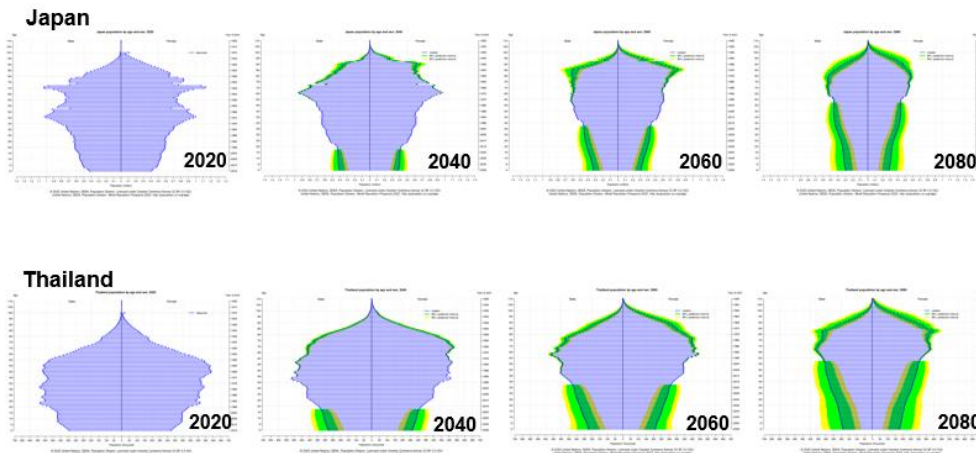
	Japan	Thailand
Total Population (2021)	125.71 million	66.17 million
Aging Population (2021)	36.19 million	13.35 million
Percentage to total population	28.8% (aged 65 and above)	19.6% (aged 60 and above)
Status as of 2021	Super-aged society (aged 65 above 20%)	Aged society



Fertility rate in Thailand is rapidly decrease and become as same as Japan's one.

Sources: Japan's Annual Report on the Aging Society (2021)
NSO Aging Population Survey in Thailand (2021)

Population Pyramid



- Rich experiences (both success and challenges) on the elderly/aging society issues to be shared for knowledge co-creation of both countries
- Long and continuous cooperation makes positive difference



Community based Care



Long-term Care



Seamless Care

C-TOP

2007 - 2011

To establish the model of community-based care service, through its pilot activities for improving QOL (quality of life).



L-TOP

2013 - 2017

Policy recommendations on the long-term care for the elderly are accepted by the relevant ministries and organizations



S-TOP

2017 - 2022

Toward the nationwide expansion, community-based models are developed for the **seamless provision of medical, rehabilitative, social and life-support services** for elderly persons.



➤ A multi-layered approach is important for addressing aging



Networking among Local Govs. etc. 2022 - 2025

This project **establishes a network** of organizations from both nations to foster mutual learning at **LGs and local community levels**. Notable outcomes include **dementia cafes, senior citizen day care centers, and dementia supporter training**.



Volunteer Dispatch to elderly care organs.

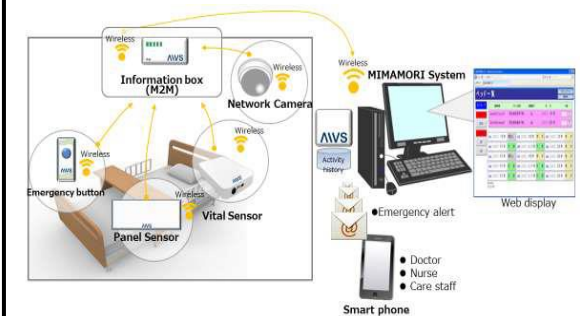
Support and exchange knowledge in taking care of elderly people including **Elderly Care, Public Health, and nutritionists**.



Private Sector Engagement

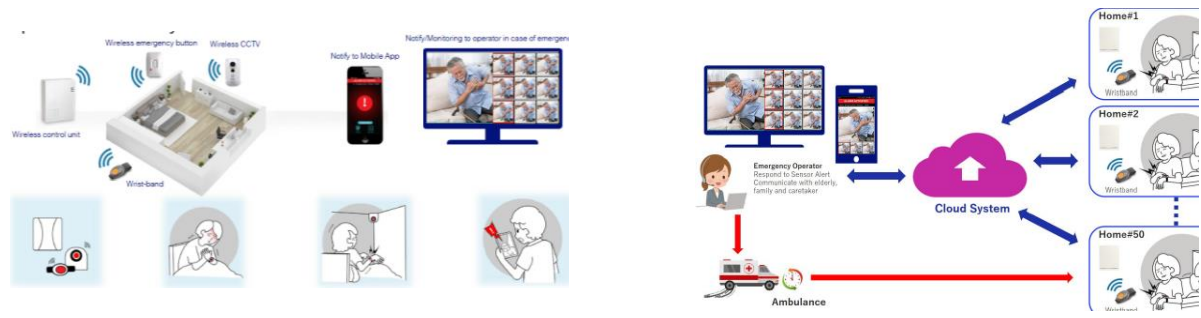
Case Study : 2016 MIMAMORI system

This ICT technology uses **sensors to detect the movements of the patients who require nursing care, and also notifies the nurses, care workers and family members**.



Private Sector Engagement with Innovative technologies

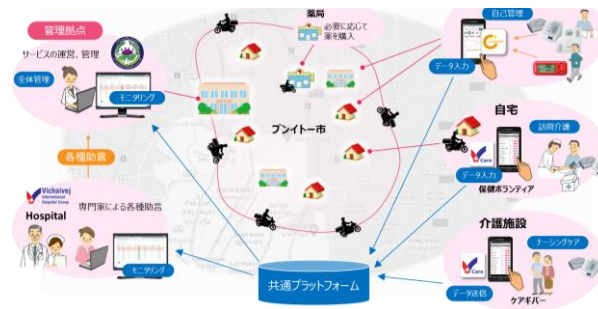
Monitoring Robot (Digital Platform for health care data monitoring)



Beds & Wheel chair



Healthcare Software & App (data platform)



Exercise package



自立体カトレーニング [1日15分、週1回、3ヶ月間。今日から始める、簡単筋トレ]

▼ STEP1 基本コース [約7分] これだけでも効果があります!

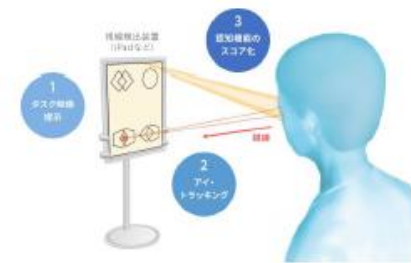
- 1 呼吸器強化 30s
- 2 アームアップ 5s
- 3 足上げ 30s
- 4 背筋強化 30s
- 5 柔軟性 5s
- 6 内股 10s
- 7 呼吸器強化 30s

▼ STEP2 筋トレコース [約7分] ここまで続けられるとよいですね!

- 1 呼吸器強化 30s
- 2 アームアップ 10s
- 3 足上げ 10s
- 4 背筋強化 30s
- 5 柔軟性 5s
- 6 内股 10s
- 7 呼吸器強化 30s

Medical/Dental Supplies

Software & App(2) - Dementia test



Matching Framework of Collaboration

Overall Goal
Healthy aging of the elderly people

Supply-Side by Private Sector (Solutions)

Private Companies

Products/Technology	Services	Knowledge
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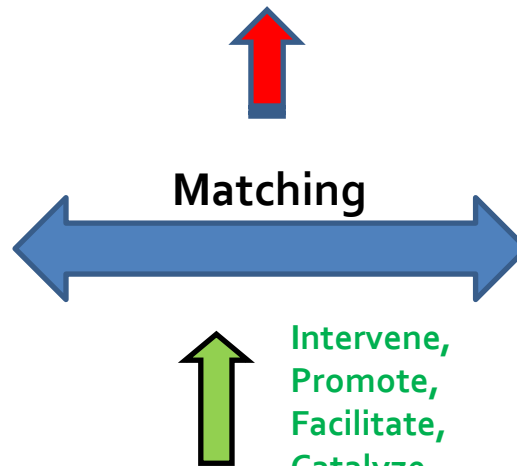
- Equipment (Wheelchair, Beds, etc.)
- Robot, Sensor, Camera, etc.
- Exercise solution
- Nutrition/Food Solution
- Anti-Dementia Solution

Demand-Side (Needs)

Elderly Care Service Facilities

Public Sec.	Private Sec.
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- Staying Facilities
- Visiting Facilities
- Home Care



JICA (Sovereign/Public)

JICA Technical Cooperation

Rich experiences (both success and challenges) on the elderly aging supply issues to be shared for knowledge generation of both countries.
Long and continuous cooperation enable positive difference.

Community Based Care	Long-term Care	Geriatrics Care
<p>C-TOP 2007-2011</p> <p>To establish the medical community-based care system through the public-private partnership (PPP) model, we supported the elderly care service organizations.</p>	<p>L-TOP 2010-2017</p> <p>Policy recommendations on the long-term care for the elderly are supported by the elderly care service organizations and organizations.</p>	<p>S-TOP 2017-2022</p> <p>Toward the nationwide expansion, community-based models are essential for the elderly care service. We supported the elderly care service organizations.</p>

JICA Multi-layered approach

A multi-layered approach is important for addressing aging.

Networking among Local Gov. etc. 2013-2018	Volunteer Dispatch to elderly care organs.	Private Sector Engagement
<p>This project established a network of organizations from both sides to foster mutual learning of JICA and local government levels. Visible outcomes include demand-side, leader officer dog more activities, and domestic cooperation including:</p>	<p>Project and exchange knowledge in taking care of elderly people including: Elderly Care, Public Health, and Life-support.</p>	<p>Case Study: MINDRE system 2014</p> <p>The ICT technology system, we shared the information, we can see the working status, and the results, the working time, and family members.</p>

DX to Improve Well-being for All

- Aiming for a resilient society
- ensuring people's safety,
- diverse opportunities
- and well-being
- with digital technology.

JICA will support building a better society through utilizing digital technology and data.

While establishing bases of ICT with human resource development and industry creation, we will contribute to create a free and safe cyberspace.

DX: Digital Transformation

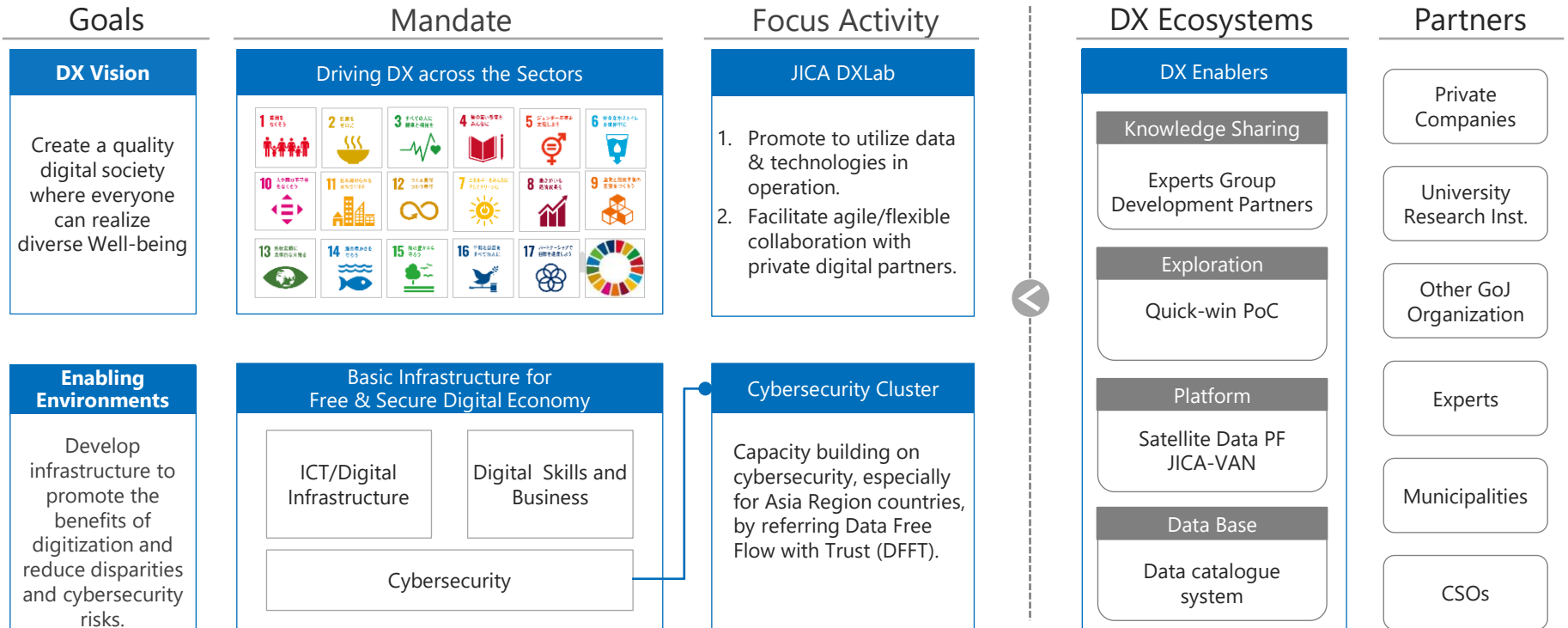


JICA is supporting developing countries to help achieve the Sustainable Development Goals (SDGs).

Cover Photo — Children are learning to use laptops at a school in Kenya.

Photo : Bartosz Hadyniak/Getty Images

JICA DX Team, as an internal advisory, spearheads the digital transformation initiative in cooperation with SDGs and Regional Projects. STI/ICT team leads ICT Infrastructure development, cybersecurity, Digital Skills.



DXLab is an initiative to open up 1,500+ ODA projects and initiatives globally to partners with innovative digital technologies, in an effort to promote quick and flexible co-creation for creating impacts.

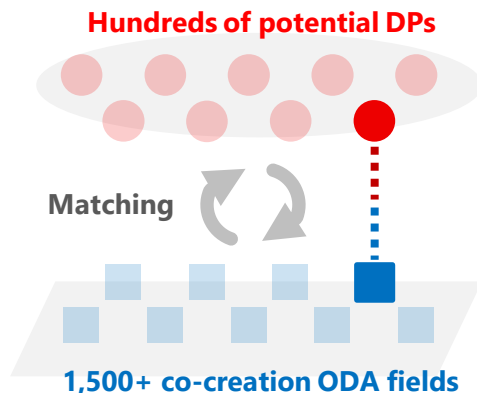
Unlock ODA and JICA network

Open up ODA projects to leverage digital solutions and unleash opportunity for co-creating with digital partners



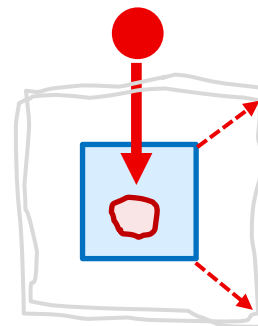
Open Sourcing of Digital Partners

Match with digital partners that provide solutions for identified challenges



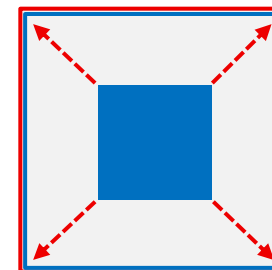
Implement PoC for Validation

Design, implement and evaluate the PoC for validating the solutions



Deploy Solution in ODA++

Deploy the validated solution within the ODA project for creating impacts

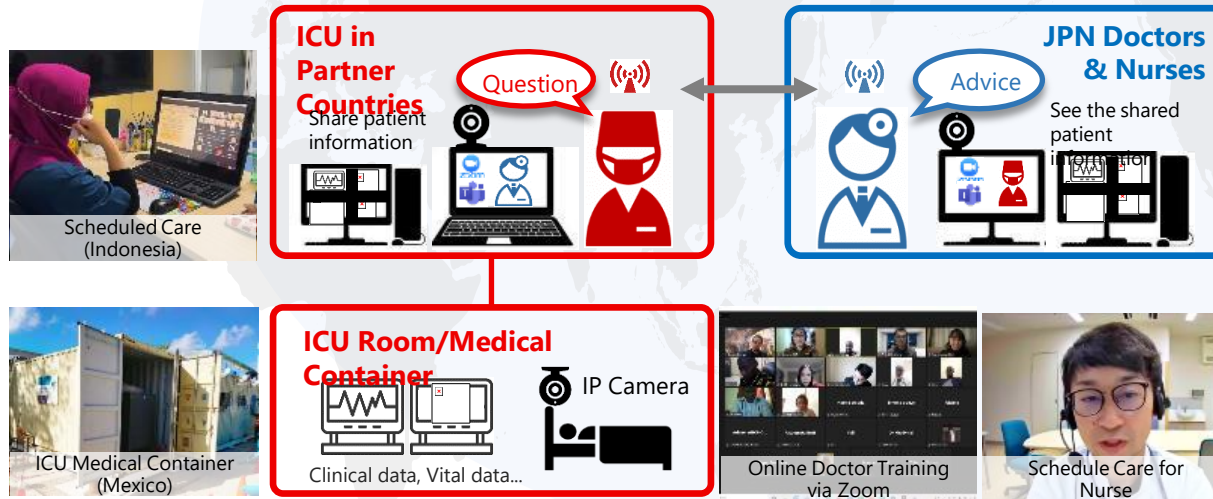


Health: Telemedicine ICU for COVID-19

- Remote technical assistance for [12 partner countries](#)
- [Telemedicine \(tele-consultation and tele-education\)](#) for ICU hospitals that play a critical role in intensive care against the COVID-19 pandemic
- [Connect Japanese medical professionals](#) with ICU physicians and nurses in the partner countries
- Medical equipment and ICU facility also provided
- So far, **684 doctors and nurses** have been engaged in telemedicine



Project Design



Main Activities

- 1 Online Training**
Basic trainings on skills and knowledge in intensive care
- 2 Case Conferences**
Discussion on previous cases to learn how to manage among participants
- 3 Scheduled Care**
Tele-consultation on actual clinical cases with real time patient info sharing

- Rich experiences (both success and challenges) on the elderly/aging society issues to be shared for knowledge co-creation of both countries
- Long and continuous cooperation makes positive difference
- A multi-layered approach is important for addressing aging
- Matching framework of collaboration between Needs and Solutions.
- Digital innovation is an important role for promoting quick and flexible co-creation for creating impacts.