Online

Knowledge Co-Creation Program (Group and Region Focus)

JFY 2022 GENERAL INFORMATION ON

Improvement of Community Health and Medical Systems with

Telemedicine Services Including Pre-post COVID-19

2022 年度課題別研修　遠隔医療による地域保健医療体制の改善−コロナ禍以前からの経験を活かして−

Photo Quated: https://www.kagawa-u.ac.jp/files/4816/1759/7078/SDGs_vol33_English.pdf

Course Period (Online):

January 12ᵗʰ – February 13ᵗʰ, 2023

*In the context of the COVID-19 pandemic, please note that there is a possibility that the course period shall be changed,

shortened, or the course itself will be cancelled.

How can we establish Resilient and Inclusive Community Health and Medical Care System with Industry-Government-Academia partnership?

Gain insight to an essence of Local health care system specialized for telemedicine service and its planning and implementation through involvement of various types of actors with practical approach and promotion in rural areas. Formulate your action plan with experts of telemedicine service and international participants.

Outline

Although Kagawa prefecture is the smallest prefecture in Japan, it has remote areas such as 24 small scattered islands and mountainous area and has developed the most advanced telemedicine service in Japan.

Improvement of health and medical system in such remote area in Kagawa prefecture was the most important issue for years. Therefore Kagawa prefectural government, basic autonomous bodies, Kagawa university and private companies organized partnership for development of Telemedicine Service (Electronic Health Record System among public/private clinics and hospitals, Improvement of access for medical service by ICT service etc.) combined with improved community health   service.

This course consists of various type of lectures, site visit and discussions in order to understand telemedicine service with local community health through practical knowledge and examples of Kagawa prefecture.

All sessions are carried out in English and ONLINE. The period of the program is from January 12th to February 13th, 2023.

Course Capacity is basically 22 participants for 11 countries.

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JICA Knowledge Co-Creation Program (KCCP)' as a New Start

In the Development Cooperation Charter which was released from the Japanese Cabinet on February 2015, it is clearly pointed out that "In its development cooperation, Japan has maintained the spirit of jointly creating things that suit partner countries while respecting ownership, intentions and intrinsic characteristics of the country concerned based on a field-oriented approach through dialogue and collaboration. It has also maintained the approach of building reciprocal relationships with developing countries in which both sides learn from each other and grow and develop together." We believe that this 'Knowledge Co-Creation Program' will serve as a center of mutual learning process.

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For What?

Background

Although Kagawa prefecture is the smallest prefecture in Japan, it has remote areas such as 24 small scattered islands and mountainous areas and has developed the most advanced telemedicine service in Japan.

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Objectives

The objective is to acquire necessary measures and knowledge aiming at improvement of community health systems with utilizing telemedicine services through effective partnership with industry-government-academia organizations.

Action Plan for adopting telemedicine service and improvement of community health systems in responsible regions will be developed.

To Whom?

Job Areas and Organizations

This program is designed for

1) <u>Central or local governments (division of hospital service management)</u>

   Administrative officer in charge of telemedicine in the hospital service management division of health ministry or equivalent.

2) <u>Tertiary and secondary hospitals in regional level</u>

   Person in charge of telemedicine at hospitals or equivalent. If he/she is not at managerial position, at least 10 years' clinical experiences will be necessary.

*Counterpart organizations of JICA project is prioritized.

The applying organization with the best intention to utilize the opportunity of this program will be highly valued in the selection.

Targeted Countries

Brazil, Bhutan, Cabo Verde, Dominican Republic, Fiji, Iran, Jordan, Namibia, North Macedonia, Senegal, Sierra Leone

Participants who have successfully completed the program will be awarded a certificate by JICA.

When?

Online Program Period

From January 12, 2023
to February 13, 2023

As one day (2hours/day) a weekly basis, we'll connect online (Real time) on zoom. For other days, on-demand program or individual assignment will be provided.

*Participants are requested to set up PC and IT environment for the course for preparation of emergency situation (Lockdown etc), it will be better to secure PC and internet connection in your home just in case.

Where?

Place

This course is organized by the JICA Shikoku Center and the program will be held online by Kagawa University. For the online program, you will receive essential reading materials for your self-study at your office or home.

JICA Shikoku Center

Kagawa University

How?

How to Learn

- On-demand Lectures
- Real Time Discussions
- Online Q&A Session
- Online Presentations
- Real Time and Online Interactions
- Online Site Visit and Workshop

Watch Listen Experience Chat Discuss Present

Language

English

Commitment to the SDGs

SUSTAINABLE DEVELOPMENT GOALS

3 GOOD HEALTH AND WELL-BEING

5 GENDER EQUALITY

17 PARTNERSHIPS FOR THE GOALS

Program Structure

<Tentative Schedule>

Program (Duration*)	Contents
Section 1 (1 week)	- 【On-demand】 Orientation (Kagawa Univ and JICA) - 【Realtime】 Inception Report Presentation by each participant - 【On-demand &Realtime】 Several lectures** + 【Online Chat】 Q/A + Comments - 【Realtime】 Additional lectures +Discussion Medical Informatics and Telemedicine Network in Japan, etc.

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Section 2 (1 week+α)	【On-demand &Realtime】 Outline of Perinatal and Neonatal Care in Japan, Development and Global Expansion of Perinatal Management System and Mobile CTG, Development of Wearable Fetal Monitor "iCTG," Telemedicine and Unmanned Drone Demonstration Experiment (Lecture→Chat→Online Discussion)
Section 3 (1 week+α)	- 【On-demand &Realtime】 ICT Telemedicine for Perinatal Care in Asian counties, Development of diagnostic equipment of atrial fibrillation connected with ICT (K-mix), Special Topics in Kagawa (Rare Sugar Research, etc.) - 【Presentation】 Action Plan (Preparation+Presentation) - 【Realtime】 Feedback session and Closing Ceremony

* Basically 60-90 minutes/day. Including 1-2 day off /section in weekdays.

Instructors

Prof. Kazuhiro Hara

Kagawa University

Faculty of Medicine, Department of Medical Informatics

Message: Greetings from Kagawa University. Graduated from the Faculty of Medicine, The University of Tokyo in 1970. Mainly engaged in the development of ME equipment in the field of obstetrics and gynecology, especially delivery monitoring equipment, and the development and clinical application of ultrasonic diagnostic equipment. Studied abroad at the Department of Obstetrics and Gynecology at Heidelberg University in Germany as a scholarship student of the Alexander von Humboldt Foundation. In 2003, Professor, Department of Medical Informatics, Kagawa University Hospital. From 2009, Emeritus Professor. I hope this program will provide you with a great opportunity to develop your country and career.

Prof. Masaaki Tokuda

Kagawa University

Former Vice President, Faculty of Medicine, Department of Pharmaco-Bio-Informatics

Message: I have coordinated various Industry-Government-Academia collaboration projects domestically and internationally. I would like to introduce some good practices such as tele-medicine and rare sugar projects both of which have already been widely implemented in many countries. I am happy to share our knowledge and skills with you.

Course Leader

Prof. Kenji Wada

Kagawa University

Faculty of Medicine, Department of Chemistry for Medicine

Message: Dear all, I will act as a course leader of the present Knowledge Co-Creation Program. The importance of telemedicine has been significantly recognized during the COVID-19 pandemic. Kagawa has developed a cutting-edge medical ICT system, telediagnosis apparatuses, and improved community health situations in the corporation through the industry-government-academia partnerships, including Kagawa University. We are confident that our achievement will be effective in the post-COVID regime in your country.

Program Officer in JICA

Yohei Funakoshi

Assistant Director, Japan International Cooperation Agency (JICA) Shikoku Center

Message: Hello dear all, I'm in charge of this program management in JICA Shikoku. The most meaningful knowledge and experience is the interaction with other participants. Let's develop our new horizon together for a sustainable and developable way of Local Community Health with telemedicine!

Kyoko Yoneda

Program Officer, Office for COVID-19 Response, Human Development Department, JICA HQ

Message: Telemedicine has been attracting attention in recent years and is regarded as a viable prospect to provide better healthcare services. We are delighted to offer you this future-oriented program with Kagawa university that has a great deal of experiences in telemedicine in Kagawa prefecture. I hope this program will be an accelerator that brings your country sensible ideas and solutions to improve people's health.

Key information of the course

1. Course Objective:

To acquire necessary measures and knowledge aiming at the improvement of community health systems by utilizing telemedicine services through effective partnerships with industry-government-academia organizations.

To Formulate Action Plan for adopting telemedicine service and improvement of community health systems in the responsible regions.

2. Overall Goal:

To promote the improvement of participants' Local Health System with Telemedicine Service and spread to other regions and their national level for achieving SDGs for every country by strengthening their capacities in the implementation of their project in each country.

3. Expected Module Output and Contents:

This program consists of the following components.

Module	Expected Module Output	Methodology
(1)	To identify issues in local community health systems, adopt telemedicine services, and establish medical organizations' cooperation in each country.	Presentation Discussion
(2)	To understand the basic concept, policy-making, and cooperation with stakeholders of telemedicine service in the community health systems.	Lecture Site visit (video) Discussion
(3)	To grasp key points of good examples, remaining issues in Japan, and the important factors for safety measurements and management method of telemedicine service.	Lecture Site visit (video) Discussion
(4)	To elaborate an action plan to be taken through the course participation.	Presentation Discussion

\<Structure of the program\>

Topic outline (subject to minor changes)

Module	Contents
Preparatory Works	Prepare an Inception Report on community health systems and telemedicine services in your home country, analyzing the current situation, issues, policies, and future plan.
(1)	Inception report presentation and discussion based on possible solutions to challenges in the telemedicine service and community health system.
(2)	Discussion for better cooperation among medical health facilities in the regions and with remote areas.
(3)	Lectures on a transition of adaptation of telemedicine service in Japan and lessons learned.
(4)	Lectures of Kagawa prefecture's model project.
(5)	Online Site Visit/Discussion: 1) Management of medical and health organization: efficient management system, development of the human resources, budgetary measures etc. 2) Mutual cooperation with the government, medical facilities, and universities for better telemedicine service and community health.
(6)	Online Site Visit/Discussion: Latest projects in Kagawa and neighboring prefectures including telemedicine, transportation of medicines using drones, and online delivery management using a mobile fetal monitor.
(7)	Action Plan formulation and presentation
Others	Program orientation
	Action plan presentation
	Evaluation meeting/ Closing ceremony
Follow-up	Hold presentation sessions to disseminate the knowledge gained from the course.
	Finalize action plan
	Implement Action Plan and prepare an implementation report

4. Follow-up Cooperation by JICA:

In this program, JICA might extend follow-up support to participating organizations that intend to develop the result of the program further. Please note that the support shall be extended selectively based on proposals from the participating organizations.

Further Information:
http://www.jica.go.jp/english/our_work/types_of_assistance/tech/follow/alumni/association_support.html

Eligibility and Procedures

1. Expectations from the Participating Organizations

(1) This program is designed primarily for organizations that intend to address specific issues or problems identified in their operation. Participating organizations are expected to use the project for those specific purposes.

(2) This program is enriched with contents and facilitation schemes specially developed in collaboration with relevant prominent organizations in Japan. These special features enable this course to meet specific requirements of applying organizations and effectively facilitate them toward solutions for the issues and problems.

2. Nominee Qualifications

Applying organizations are expected to select nominees who meet the following qualifications.

(1) Essential Qualifications

1) Officially nominated by his / her own government.

2) Current Duties: (a) or (b) *A pair from each current duty is expected from one country.

   (a) Central or local governments (division of hospital service management) administrative officer in charge of telemedicine in the hospital service management division of health ministry or equivalent.

   (b) Tertiary and secondary hospitals at the regional level person in charge of telemedicine at hospitals or the equivalent.

3) Experience:

   For (a) ：have practical experience of more than Five (5) years as an official administrator in the Ministry of Health or ~~and~~ related organization .

   For (b) : If he/she is not in a managerial position, at least Ten (10) years of clinical experience will be necessary.

4) Educational Background: be a graduate of the university.

5) Language: have ~~a~~ competent command of spoken and written English

6) Health: must be in good health, both physically and mentally, to participate in the Online Program (we may request you to participate in online real time sessions in the early morning or nighttime as well). Pregnant applicants are not recommended to apply due to the potential risk of health and life issues for mother and fetus.

7) IT environment: Stable and Hi-Speed internet, PC (at least 3GB of vacancy),

a web camera, and a microphone are essential for your participation. This program will be delivered by Google Classroom, Zoom, and Youtube. If you have any concerns, please ask the JICA office.

(2) Recommended Qualifications

1) Age: between the ages of thirty (30) and fifty (50) years, in principle.
2) Gender Equality and Women's Empowerment: Women are encouraged to apply for the program. JICA makes a commitment to promote gender equality and women's empowerment, providing equal opportunity for all applicants regardless of sexual orientation and gender identity.

3. Required Documents for Application

(1) **Application Form:** The Application Form is available at **the JICA office (or the Embassy of Japan)**

  * If you have any difficulties/disabilities which require assistance, please specify necessary assistances in the Medical History (1-(d)) of the application form. It may allow us (people concerned in this course) to prepare better logistics or alternatives.

(2) **Photocopy of Passport:** to be submitted with the application form if you possess your passport for re-confirmation of your data in the form.

  *Photocopy should include the followings: Name, Date of birth, Nationality, Sex, Passport number and Expire date.

(3) **Nominee's English Score Sheet**: to be submitted with the Application Form. If you have any official documentation of English ability (e.g., TOEFL, TOEIC, IELTS) just for reference.

(4) **Inception Report**: to be submitted with the Application Form. Fill in Attachment of the General Information, and submit it along with the Application Form. Inception Report is very useful for us to get information about the applicant and his/her country. Hence, **basically, we would not examine the application form without Inception Report appropriately prepared.**

■Power Point presentation data based on Inception Report

  Only accepted applicants are required to prepare power point data for short presentation during early part of this course to introduce himself/herself and share experiences or challenges among participants.

4. Procedures for Application and Selection

(1) Submission of the Application Documents[13]

Closing date for applications: **Please inquire to the JICA office (or the Embassy of Japan).**

（After receiving applications, the JICA office (or the Embassy of Japan) will send them to **the JICA Shikoku Center in JAPAN** by **December 2th, 2022**）

(2) Selection[14]

After receiving the documents through proper channels from your government, the JICA office (or the embassy of Japan) will conduct screenings, and then forward the documents to the JICA Center in Japan. Selection will be made by the JICA Center in consultation with concerned organizations in Japan. ***The applying organization with the best intention to utilize the opportunity of this program will be highly valued in the selection***. Qualifications of applicants who belong to the military or other military-related organizations and/or who are enlisted in the military will be examined by the Government of Japan on a case-by-case basis, consistent with the Development Cooperation Charter of Japan, taking into consideration their duties, positions in the organization, and other relevant information in a comprehensive manner.

(3) Notice of Acceptance

Notification of results will be made by the JICA office (or the Embassy of Japan) not later than **December 16th, 2022**

5. Conditions for Attendance

The participants of KCCP are required
(1) to strictly adhere to the program schedule (Basically 1-2 hours per day).
(2) not to change the program topics.
(3) to observe the rules and regulations of the JICA's copyright (We may request you some written oath for your usage of video and online contents/materials etc.)

Administrative Arrangements

1. Organizer (JICA Center in Japan)

(1) **Name**: JICA Shikoku

(2) **Contact:** Mr. Yohei FUNAKOSHI (Funakoshi.Yohei@jica.go.jp)

2. Implementing Partner

(1) **Name**: Kagawa University

(2) **URL:** https://www.kagawa-u.ac.jp/en/

3. Allowance and related supports

JICA overseas office may arrange for hotel or meeting room in the JICA office for those who cannot secure appropriate IT environment for our course participation. Detail supports (including transport, allowance) will depend on each country. Please refer to our office in charge of your country.

4. Expenses

Preparation of necessary equipment and IT environment should be covered by participants themselves in principle. No per-diem or other allowance for the course. If you have any difficulty of the expense, please ask JICA office before your application.

Other Information

Facebook

We post the KCCP articles on our Facebook (JICA SHIKOKU), written by Japanese and English, so please check and "like" us on the Facebook!

https://m.facebook.com/jicashikoku/about

Map of Japan

Annex

Preliminary Activity

To read the following documents stored in web site in advance.

(1) JICA Information (Sector overviews)

・JICA Activities in Health Sector (including Health System Strengthening)

  [JICA Activities | Our Work | JICA](#)

・JICA Global Agenda No.6 Health

  [agenda_01.pdf (jica.go.jp)](#)

・(JICA-Net Library) Medical Care System in Japan

  [[JICA-Net Library]Health Medical Care System in Japan Second Edition - YouTube](#)

・(JICA-Net Library) The Okinawan experience in the sector of health system" series1

  [[JICA-Net Library]"The Okinawan experience in the sector of health system" series1 Title 1 - YouTube](#)

(2) Related Websites

・Kagawa University   https://www.kagawa-u.ac.jp/en/

  - Faculty of Medicine : https://www.med.kagawa-u.ac.jp/english/international-contribution-and-exchange/

  - YouTube Channel : https://www.youtube.com/playlist?list=PLU1xEO2-olHRygOo7zGPy4oqxZ2cNiBXt

・Melody International: https://www.melodyi.net/

・Introduction Movies of iCTG: https://www.youtube.com/watch?v=XkmdUrhQoa8

  https://www.youtube.com/watch?v=mICQsarsSTo

  https://www.youtube.com/watch?v=RLIDRFL_cfA

Inception Report

Applicants to the program are required to submit Inception Report in the format below together with the application forms. This report will be used as reference in the selection of the program's participants. Therefore, this report must be completed. Any HANDWRITTEN or INCOMPLETE report will be DISQUALIFIED. The report should be within 6 pages.

1.Applicant's Information

1. Name	[Family] [First] [Middle]
--Nationality	
--Contact	Tel. Fax.
	Email address
2. Name of Organization	
3. Your professional Status	
--Your duties in charge（Please itemize）	
--Your relationship with JICA volunteers and/or the other JICA's activities, if any	
4. Organization Chart (Mark your position)	Please attach the organization chart.

2.Current situation in your country

(1) Basic information about your country and applicants' region regarding improving community health and medical systems with telemedicine services (including the responsible ministry and organization and government's/municipality's policy related to these issues).

(2) Expected role of your organization and department on these issues and Government's/municipality's policy related to these issues.

(3) Your (personal) engagement and position regarding obstacles to these issues.

(4) Needs for telemedicine services in your country (in rural and city areas)

(5) Any concerns about telemedicine services.

(6) Remark (special needs in your region e.g.)

For Your Reference

JICA and Capacity Development

The key concept underpinning JICA operations since its establishment in 1974 has been the conviction that "capacity development" is central to the socioeconomic development of any country, regardless of the specific operational scheme one may be undertaking, i.e. expert assignments, development projects, development study projects, training programs, JOCV programs, etc.

Within this wide range of programs, Training Programs have long occupied an important place in JICA operations. Conducted in Japan, they provide partner countries with opportunities to acquire practical knowledge accumulated in Japanese society. Participants dispatched by partner countries might find useful knowledge and re-create their own knowledge for enhancement of their own capacity or that of the organization and society to which they belong.

About 460 pre-organized programs cover a wide range of professional fields, ranging from education, health, infrastructure, energy, trade and finance, to agriculture, rural development, gender mainstreaming, and environmental protection. A variety of programs and are being customized to address the specific needs of different target organizations, such as policy-making organizations, service provision organizations, as well as research and academic institutions. Some programs are organized to target a certain group of countries with similar developmental challenges.

Japanese Development Experience

Japan was the first non-Western country to successfully modernize its society and industrialize its economy. At the core of this process, which started more than 140 years ago, was the *"adopt and adapt"* concept by which a wide range of appropriate skills and knowledge have been imported from developed countries; these skills and knowledge have been adapted and/or improved using local skills, knowledge and initiatives. They finally became internalized in Japanese society to suit its local needs and conditions.

From engineering technology to production management methods, most of the know-how that has enabled Japan to become what it is today has emanated from this "*adoption and adaptation*" process, which, of course, has been accompanied by countless failures and errors behind the success stories. We presume that such experiences, both successful and unsuccessful,

will be useful to our partners who are trying to address the challenges currently faced by developing countries.

However, it is rather challenging to share with our partners this whole body of Japan's developmental experience. This difficulty has to do, in part, with the challenge of explaining a body of "tacit knowledge," a type of knowledge that cannot fully be expressed in words or numbers. Adding to this difficulty are the social and cultural systems of Japan that vastly differ from those of other Western industrialized countries, and hence still remain unfamiliar to many partner countries. Simply stated, coming to Japan might be one way of overcoming such a cultural gap.

JICA, therefore, would like to invite as many leaders of partner countries as possible to come and visit us, to mingle with the Japanese people, and witness the advantages as well as the disadvantages of Japanese systems, so that integration of their findings might help them reach their developmental objectives.

CORRESPONDENCE

For enquiries and further information, please contact the JICA office or the Embassy of Japan.

Further, address correspondence to:

JICA Shikoku Center (JICA SHIKOKU)

Address: First Floor, Kagawa Sanyu Bldg.,3 Kajiya-machi, Takamatsu City, Kagawa
760-0028, Japan

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