

2021 EDU-Port Research Project and related projects

"Development project for hygiene education and school health room system in Cambodia by Kagawa University"

Cambodia		Mi	nistry of Education, Youth and Spo	rts	University of Health Science
Japan	Tokushima University	Japan International Cooparatin Agency (JICA)	Ministry of Education, Culture, Science and Technology in Japan	Ministry of Health, Labo Welfare in Japan	ur and
2016					
		Visitting as JICA volunteer			
2017		IICA C			
2018		JICA Grassroots Technical Cooperation Project: "Building a School Health Room System in Cambodia"			
	Crowdfunding		2018-19	National Center for Globa	
2019		School health room system, school health text, toilet & hand-washing area	EDU-Port Japan Supported Project: "Development of Japanese style pre-service training model for nursing teachers based on school health system in Cambodia"	and Medicine, Bureau International Health Coop Japan.⁄ "School heal examination model proj	eration, lth
2020					MOUNT I CILL I I
2021				School health check, Online training	MOU:Memorandum of Understandin (dental, medicinee, nursing)
		National Poli	cy of School Health in Cam	bodia	
2022			2021-22 EDU-Port Japan Research Project: "Development project for hygiene education and school health room system in Cambodia by Kagawa University"		
2023			5,5.5.		
			Data management	J	



2017-20 JICA Grassroots Technical Cooperation Project "Building a School Health Room System in Cambodia"



香川大学 Kagawa University

- A citizen participation project under the Minutes of Meeting
- Training in Japan for 20 local school teachers and 5 administrative officers
- Seminars in Cambodia by Japanese experts
- University faculty members assigned to government tasks
- Follow-up by local Japanese and local staff
- 4 trips to Cambodia by the Vice President of Kagawa University
- A meeting with the Minister of Education of Cambodia, and visits to Japan by the Secretary of State of MoEYS and administrative officers in Cambodia

Output 1: School health textbook approved by Cambodia's Ministry of Health/ Ministry of Education, Youth and Sport



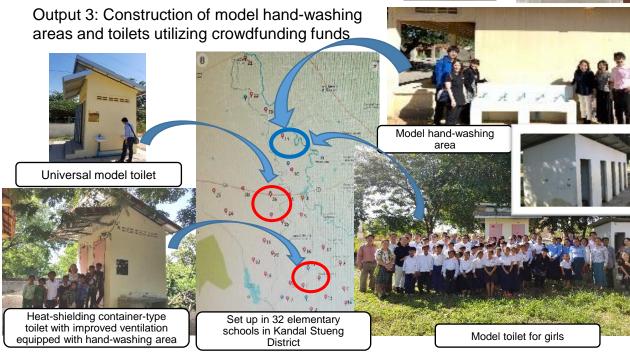




Originally developed school health textbook
(For teachers and children / Khmer version, English version)

Director of School Health Department, Ministry of Education Youth and Sport attends text working meeting





2018 EDU-Port Japan Supported Project (Kagawa University Faculty of Medicine 20th Anniversary Fund Project)

School health training in Japan to promote cooperation between Cambodia's

Ministry of Health and Ministry of Education, Youth and Sport

Visit to attached elementary school health room



Attached elementary school school lunch inspection



Deputy Director of School and Health Department. Ministry of Education. Youth and Sport of Cambodia, and Deputy Director of Preventive Medicine Department, Ministry of Health, visit the Director of the Faculty of Medicine



How to use hand-washing learning materials: Skill lab inspection



attached elementary school



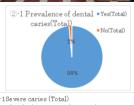
Public health lecture

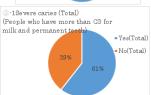
2019 EDU-Port Japan Supported Project (Medical technology international expansion

promotion project & JICA grassroots)

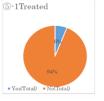
Dental and Internal Medicine Health Examination Model Project with cooperation among Ministry of Health, Ministry of Education, Youth and Sport, National University of Health Sciences (Faculty of Medicine, Faculty of Dentistry, Department of Nursing), Kandal Province Medical Bureau, Education Bureau, Kandal Stueng District Elementary School, and private Westline School











Cavities 98% **Serious cavities** 61% Treated teeth 5%

Dental plaque index 2: WS 25%, KS 1% Gingival index 2: WS 23%, KS 12%



EDU-Port

2019









Lectures for UHS doctors, school nurses, etc.



Medical examination at a private school in the capital



Doctor's medical examination



Exchange of opinions after activities

this training and promote a school health

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6years old

Significant difference of height and weight between 600 private elementary school students in Phnom Penh and 4,000 public elementary school students in suburbs

Significant difference of average BMI in each grade of 600 private elementary school students in Phnom Penh land 4.000 public elementary school students in suburbs.

Evaluation List of School Health Training in Japan (Japanese)

Q1: Training Evaluation Items Overall Evaluation Score Average (3.5/4.0)

Training Date	Training Content
	(1) Attached T Junior High School Inspection Training 1 - 2 - 3 - 4
2nd Day	(2) Attached T Elementary School Inspection Training
Feb. 19 (Tue)	(3) Attached T Elementary School Lunch Room Visit
	(4) Training for Teacher Training Course
	(5) Attached School for Children with Special Needs Inspection Training
3rd Day	(6) Health Committee Visit Training
Feb. 20 (Wed)	(7) Attached S Elementary School Inspection Training
	(8) Attached S Junior High School Inspection Training
	(9) Information exchange, facilities visit with nursing teacher and manager
	10) T City Health Center Visit
	11) T City Environmental Services Center Visit Health Center Services Visit (Low)
4th Day	(12) International Infectious Diseases Prevention Measures Lecture
Feb. 21 (Thu)	(13) Skill Lab Visit
	(14) Hand-washing Practical Training, AED
	(15) Curriculum Briefing, Nursing Education Practical Training Briefing
	License System Briefing
	(16) Role of Nursing Teachers in Education Committee Lecture
	(17) Health Management Center Visit
5th Day	(18) Hospital Visit (Pediatric Ward, Hospital School,
Feb. 22 (Fri)	Clean Room, Emergency Ward, etc.)
	(19) Dental Surgery Conditions in Japan and Cambodia
	(Lecture and Exchange of Opinions)
	20) Department of Nursing Summary Nursing Teacher Lecture and
6th Day Feb. 23 (Sat	

Open-ended questions Q2: Will you be able to put your training

experience at Kagawa University into use in

It is a good experience. To promote a school health teacher course at teacher training schools, we will gradually start with steps that are within reach. (We will include health subjects in the curriculum at teacher training schools.) We will advocate MoEYs leaders to recruit health room teachers. We can use the good aspects of Kagawa University in the context of Cambodia

Q3: Given the current situation of the school health system in Japan, what needs to be done in Cambodia?

Organizational management and a school health system that creates basic sanitation sanitary facilities, and health committees in schools while including them in teamwork are good for children's behavior and practices. The ministry is currently moving ahead with creating health education textbooks for children and they will be completed soon. Q4: Are you satisfied with this training It is a very good program. We will learn from

program in our country.

EDU-Port 2021

1. Ministry of Education, Youth and Sports

- 1) With the cooperation of UHS nursing teachers, measured the physique of children at model schools designated by MoEYS (May-July 2022)
- 2) Implement government data transfer (August-September 2022)

2. University of Health Science, Department of Nursing

- 1) Physical measurement training (Video and online meetings)
- 2) With the cooperation of MoEYS, measured the physique of children at model schools

2021 National Policy on School Health

5.5 Improve Safe, Inclusive, Comfortable and Friendly Learning Environment

- Promote the improvement of learning environment in all educational Institutions;
- Create a supportive environment for learners and educational personnel to promote behavioral change towards good health, well-being and comfort;



- Promote inspection and prevention of imports, displays or advertisements, and use of products that affect the health of learners and educational personnel;
- Promote technical solid waste management and separation in educational Institutions;
- Encourage the competition movement on "Clean School" through, for example, planting trees and building toilets;
- Prevent the use of tobacco and alcohol products in the workplace and on campuses of educational Institutions;
- Promote the installation of emergency equipment or warning signs and signs of dangers or other risks on school campuses and in community-based education services;
- Promote the installation of traffic signs as well as education on and dissemination of traffic laws to prevent traffic accidents;
- Promote education on and dissemination of information to prevent the traffic and distribution of illicit drugs in educational Institutions; and
- Promote the establishment of designated rooms or multi-purpose locations in schools for regular education and counseling on the impact of drug abuse, human trafficking and traffic accidents, for students from lower secondary to higher education levels.



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JICA Shikoku Center & Cambodia office



Ministry of Education, Youth and Sport & Ministry of Health

Ministry of Health

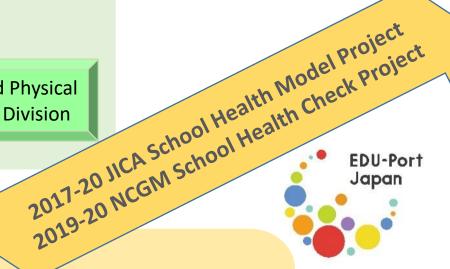




Kagawa **Prefecture**

Prefectural Board of Education

Health and Physical **Education Division**



Policy support

NCGM



School medical examination survey

Medical examination data

> Government centralized

management system



(agawa University

International

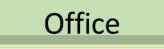
Faculty of Medicine school

School health academic area **Training of advanced education** researchers

MOU

National Health Science University

School of Medicine Faculty of Medical Technology

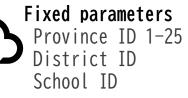


International office, General Affairs Section



EDU-Port 2021

School Health Data Management System in Cambodia -Trial phase image-



Province District/County





Variable parameters Measurement date

Personal parameters Personal ID













Support by UHS









Health examination of model schools

Measurement data

Sex Birthday Height Weight

Upper arm thickening width Waist circumference



Schools (regional cities)



Schools(countryside)

Calculated output data

Measurement date Individual data

Age, Gender, Average weight (a) Classification of obesity (100 x (weight-average weight by age and gender) / average weight by age and gender

Medical Examination Data Entry System

Completed to sign up

Completed

↓Tablet user interface for the data entry system

, lablet user interface for the data criting system

(1) Start the App → Sign up for your Google account

Procedure

Home screen

For details, please refer to "Sign Up for a Google Account" on page 28.



② Move to Setting screen → Read Setting Data file

For details, please refer to "Setting up directory information on Google Drive" on page 32.

Setting Data file name Input Phase

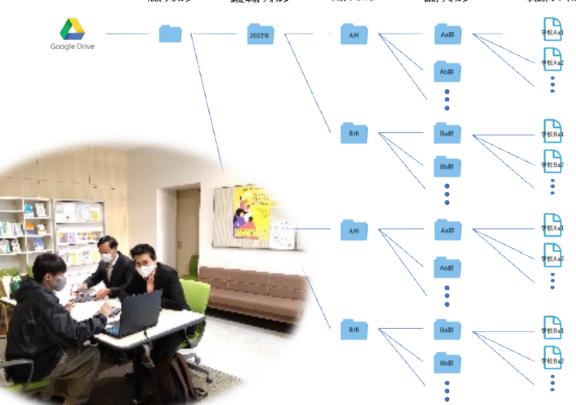


Setting screen

↓Data system structure

• Directory structure (view of recorded data)

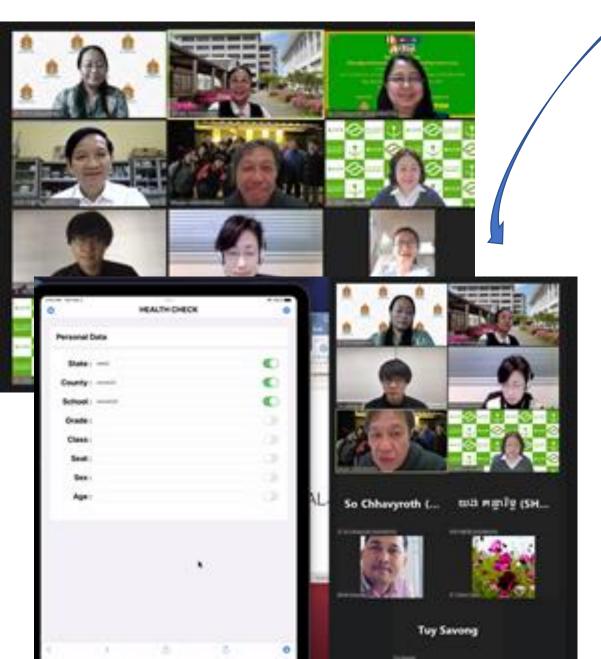
In the Drive, a directory structure by measurement year, state, county, and school is formed as shown in the figure below. The files are divided by school, and the health information of children is recorded for each school. For example, the file of School Aa1 in Aa County, State A in 2022 can be viewed by accessing MyDrive >> 2022 folder >> State A folder >> Aa County folder >> School Aa1 on Drive.





Online seminar, Training in Cambodia, and Training in Japan

FY2021 Online seminar



Government: Data entry system
Nursing university faculty members:
School health checkup procedures











↑ Children lining up for health checkups, local nursing teachers taking body measurements, school teachers keeping records

↑ Japanese teachers giving guidance





↑ Data entry into the system



↑ Measurement records

↑ Checking of the entered data

↑ Children lining up for health checkups





↑ An opinion exchange session at JICA



↑ The visitors looking around the school's health room



Gradually opening school health rooms from kindergarten to university using the Japanese model

The Cambodian government's autonomous activities

Under a Cambodian government ministerial notice, school health rooms and body measurement procedures have been introduced by members of the School Health Department of the Ministry of Education, Youth and Sports.



Measuring weight



Measuring height (1)



Measuring height (2)



Health room bed



Preparing a first aid kit (ice pack)



Learning how to transport an injured person



Health room teacher treating an injury



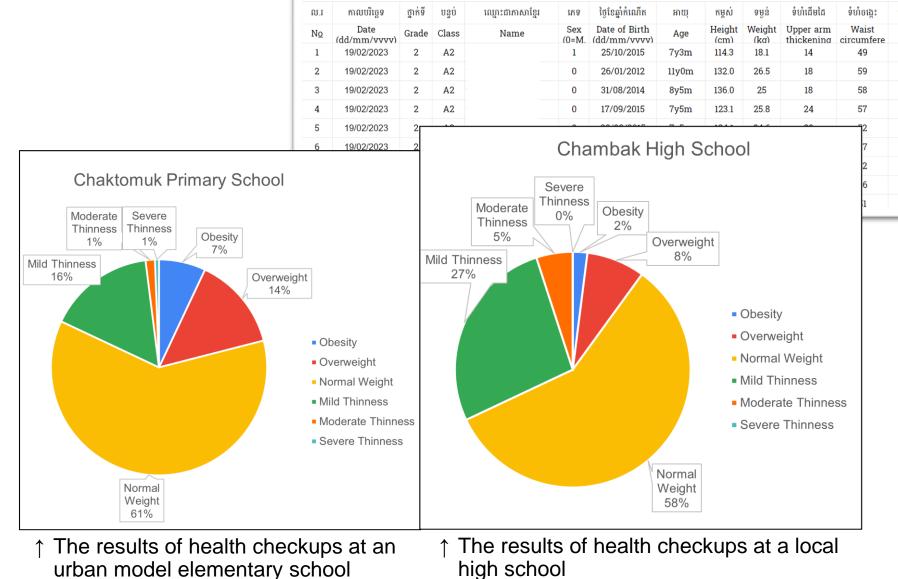
BLS training

Data management and analysis by the chief and staff members of the School Health Department



↑↓ Government officials visited the school for guidance.





ឈ្មោះសាលា ៖ សាលាបឋមសិក្សាចតុមុខ

Name of School: Chaktomuk Primary School

ព្រះរាជាណាចក្រកម្ពុជា

Kingdom of Cambodia ជាតិ សាសនា ព្រះមហាក្សត្រ

Nation Religion King

13.85

15.21

13.52

17.03 15.97

> 13.76 13.19

13.20

14.06

Summary

- Factors and secrets for successful results
- The key factor for success was to respect the Cambodian government's **policy intention**, and the secrets lied in forming **a bond** with the help of pro-Japanese key persons of the Cambodian government (such as former international students in Japan) and building a human relationship of trust with project partners.
- Suggestions for international cooperation in education
 Developing countries' governments seem disappointed that support projects by
 supporting countries tend to be suspended or discontinued when the subsidy
 period comes to an end. Support projects must have clear long-term goals
 (validity of policy) and project outcomes (evaluation items).
- EDU-Port is expected to: promote educational support as part of **peace diplomacy**; reflect the need for **government involvement** in export adjustments; include **organizations and members with various roles**; and contribute to the development of global human resources in Japan based on **educators' experiences**.