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Thailand creates 5G innovative systems for intelligent medical information

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It is the first comprehensive development of the country's Big Data Health Information Platform



The Faculty of Engineering, Mahidol University in Thailand cooperated with Information and Communication Technology Center, Permanent Secretary Office, Ministry of Public Health, Faculty of Engineering and the Faculty of Medicine, Naresuan University and Chanwanich Co., Ltd. to create an Intelligent Medical Information and Full-Service System.

This project has been promoted under the research and development program of the Office of National Broadcasting and Telecommunications Commission (NBTC).

The 5G innovative systems for intelligent medical information in Thailand (Thailand Health Data Space) has been developed in order to use technology and innovation to enhance the health system in all its dimensions.

This includes transmitting information across the hospital, diagnosis, treatment, follow-up, rehabilitation, allowing doctors to treat emergencies, saving the patient's life in time, patients receiving good health services in all areas of the country, reducing the healthcare system congestion, to medical personnel being able to provide efficient services along with promoting and protecting the health of Thai people.

It is the first comprehensive development of the country's Big Data Health Information Platform.

The plan is divided into 3 phases:

• Phase 1- Development of Big Data Infrastructure, Medical Informatics, and the THDS Sandbox test sample in the target hospital;

• Phase 2- Development of a system to be able to link health information with the hospital network to cover the whole country;

• Phase 3- Linking health information to services and health tech partner organizations that allow patients access to their health information.