

May 12, 2026

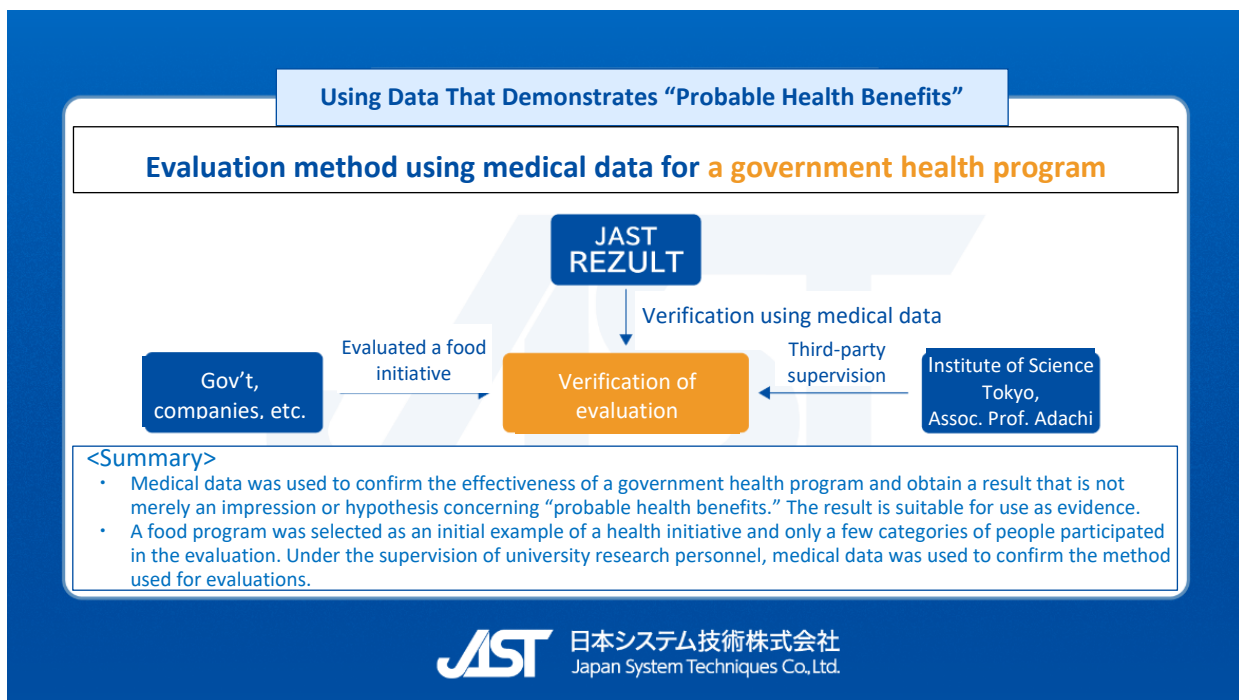
Japan System Techniques Co., Ltd.

Evaluation Method for a Government Health Program by Using Medical Data for Data That Demonstrates “Probable Health Benefits” - Local government food initiative effectiveness verified with third-party supervision -

Japan System Techniques Co., Ltd. (Head office: Kita-ku, Osaka; President and CEO: Taku Hirabayashi; JAST) has used medical data to confirm the effectiveness of a food program by a local government.

JAST used its REZULT^{*1} medical big data to analyze the program of a local government for the use of Kinmemai Rice^{*2} supplied by Toyo Rice Corporation. The method of using medical data for assessing the benefits of Kinmemai Rice was established by incorporating the ideas and proposals of Takahiro Adachi, Associate Professor of precision health course at the Institute of Biomedical Engineering of the Institute of Science Tokyo. Under the oversight of Associate Professor Takahiro Adachi, medical expenses and disease rates were examined before and after starting the consumption of Kinmemai Rice for test subjects in three groups: pregnant women, infants, and elementary and junior high school students. The goal was to obtain useful information based on medical data.

Caution was required when interpreting the results because of the small number of people who participated in the survey and the relative short length of the survey. Nevertheless, this project did succeed at yielding some significant information. Another announcement is planned concerning more thorough results of this analysis of the benefits of Kinmemai Rice as information is examined more.



■ **Background**

In recent years, local governments have been performing objective confirmations of the effectiveness of health initiatives as Japan’s declining and aging population, the rising cost of health care, and the increasing prevalence of lifestyle diseases become serious social problems. Information from these confirmations is needed to improve subsequent initiatives.

The use of evidence based policy-making (EBPM) is becoming increasingly widespread. However, there is a problem because local governments often do not have a method for third-party evaluations using medical data or even a single set of guidelines for verifying the effectiveness of programs.

JAST has considerable expertise concerning the use of medical big data acquired from activities with health insurers, pharmaceutical companies, universities and other organizations. By using this expertise, JAST has established a well-defined method for evaluating health programs of local governments.

■ **Features of this evaluation method**

• **Evaluation design that reflects the characteristics of the target group**

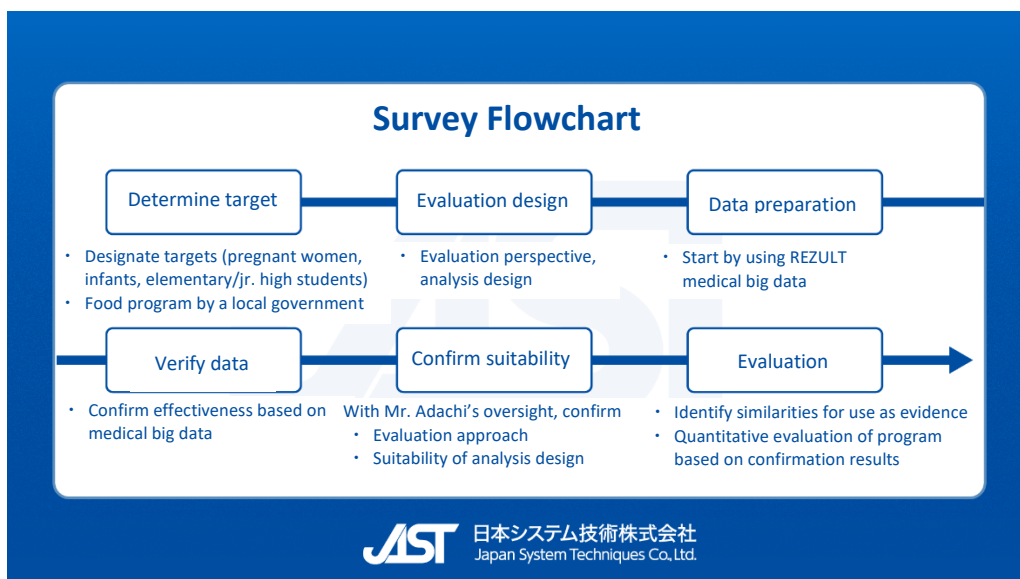
This evaluation has a design that allows switching with flexibility the key points of the evaluation. Methods can be designed to match the characteristics of each life stage of participants, such as pregnant women, infants, and elementary and junior high school students.

• **Suitability of the evaluation method was confirmed under the supervision of university research personnel**

With the oversight of Takahiro Adachi, Associate Professor of precision health course at the Institute of Biomedical Engineering of the Institute of Science Tokyo, a confirmation was performed concerning the basic concept and analysis design. The result is a clearly defined method for third-party evaluations using medical data. The purpose of Mr. Adachi’s supervision of this evaluation method was to incorporate proper knowledge due to his research activities concerning Kinmemai Rice.

• **Evaluation approach that enables horizontal use for evidence based policy-making (EBPM)**

This project was a verification for a specific food product. This is one example of the use of medical data combined with other information and elements to perform an evaluation. The purpose of this example is to support the belief that this methodology can be used for other health initiatives and local government programs, too.



■ Upcoming activities

This use of medical big data for the evaluation of a health program is not limited to use for business operations and R&D. The results of this project have demonstrated that medical data can be used as one method for identifying the benefits of health initiatives by companies and local governments.

When used broadly for many types of activities by companies and local governments, medical data can be the starting point for analysis and evaluation processes that also incorporate other information and elements. Consequently, this method is expected to be used for the advancement of EBPM and activities for making decisions based on data.

As activities continue, the goal is to identify programs and initiatives while increasing collaboration with companies, local governments, experts and other parties that are involved. There will also be studies for ways to use this evaluation method to create new forms of value and sustainable business models.

JAST is determined to use this method for utilizing medical data to provide a useful perspective that supports decision-making at companies and local governments. In addition, JAST wants to use medical data to play a role in solving social issues in the healthcare sector.

*1. REZULT platform

REZULT is one of the largest medical big databases in its category. The database covers health insurance invoice data for medical care and prescriptions, including the Diagnosis Procedure Combination (DPC: a comprehensive medical procedure payment evaluation system for acute inpatient care) of the Ministry of Health, Labour and Welfare. Invoice information is anonymous and used with the permission of health insurance organizations. The number of patients, medical expenses and other items can be aggregated based on gender, age, location of healthcare facilities and other parameters. REZULT data is a valuable resource for activities ranging from activities including verification of the effectiveness of these activities, research projects and marketing.

*2. Kinmemai Rice

Kinmemai rice is a flavorful and easily digested type of rice made using a processing technology of Toyo Rice. After processing, this rice still has all of the vitamins, minerals and other nutrients of brown rice.

*3. Takahiro Adachi, Associate Professor

Associate Professor, Precision Health Course, Institute of Biomedical Engineering, Institute of Science Tokyo

Associate Professor Takahiro Adachi specializes in the fields of immunology, functional food and precision health research. He has been performing research for many years concerning the evaluation of the health benefits of functional food products and concerning preventive medicine. Expertise also includes the use of partnerships of companies and academic institutions for the purpose of using this knowledge in society.

■About JAST



日本システム技術株式会社
Japan System Techniques Co., Ltd.

Japan System Techniques (JAST) is an IT company listed on the Tokyo Stock Exchange Prime Market that is not affiliated with any other company. JAST's goal is to become a problem-solving company recognized by everyone. Guided by the philosophy that "refining and upgrading the skills of people comes first ahead of everything else," JAST has many programs for the advancement of employees. JAST builds long-term relationships with customers based on trust by working closely with customers while providing one-stop support extending from defining requirements to the provision of maintenance services. Two major products are the GAKUEN series, an integration package system for universities, and the BankNeo, an information integration package for financial institutions. In the medical big data field, JAST sells the JMICS, an automatic inspection system for health insurance claims, the iBss, an insurers business support system for the digital transformation of insurance administrative processes and other products. Backed by growing businesses that originate with a dedication to helping solve social issues, JAST is dedicated to creating a sustainable society and increasing its corporate value.

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Established: March 26, 1973
Capital: 1,535 million yen
Employees: Consolidated 1,683 (as of March 31, 2026);
Non-consolidated 1,202 (as of March 31, 2026)
Fiscal year end: March
URL: <https://www.jast.jp/en/>

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