

News Release Dated May 25, 2017

Company: Japan System Techniques Co., Ltd.
Representative: Takeaki Hirabayashi, President and CEO
Stock code: 4323, Tokyo Stock Exchange, Second Section
Contact: Noriaki Okado, Director and CFO
Tel: +81-6-4560-1000

JAST Starts Research Project Using Medical Big Data with Tokyo University

Japan System Techniques Co., Ltd. (JAST) has started a joint research project with the University of Tokyo Department of Healthcare Economics and Health Policy, which is part of the Graduate School of Medicine. Conducted with a research group led by Project Professor Tomoyuki Takura, the project uses medical big data accumulated by JAST that covers approximately one million people.

1. Summary

Since August 2010, JAST has been selling an automated electronic health insurance claims checking and analysis software called JMICS. JAST used its extensive and broad expertise involving ICT to create this innovative product for speedily and automatically processing the monthly invoices that health insurers receive from medical institutions. In April 2013, JAST started a big data business for health insurers. Centered on JMICS, the big data business has a larger range of solutions by incorporating health check-up information and other data from external sources, performing analysis and notification tasks, and providing other services.

With the participation of Professor Takura, this joint project will use the data covering about one million people in invoices submitted by medical institutions to health insurers. This information has been accumulated by JAST's JMICS health insurance claims checking and analysis software. The objective is to determine the causes for growth in medical expenses for the purposes of achieving a proper level of these expenses and helping people stay healthy. All information that identifies specific individuals will be removed from the medical billing data that is used for this project. Furthermore, health insurers (health insurance associations and local governments) have given their permission to use the insurance claim billing information.

The first stage of this project will be a study of individuals receiving dialysis. The study will determine how a government program to reduce patients' payments for dialysis and interventions to improve life styles influence the behavior of patients and the composition of medical care. To accomplish this, the research will perform analysis by using behavioral economics. In addition, useful information gained from this research may be used by JAST for the development of systems that utilize these new insights. By supplying these systems to health insurers and companies in the health care sector, JAST plans to help achieve the proper level of medical expenses for health insurers for all types of health insurance.

Medibrain Corporation (Head Office: Chuo-ku, Osaka; President: Takahiro Naka), a company that uses JMICS, will also cooperate with this joint research project by supplying data and assisting in other ways.

2. Profile of Researcher

(1) Affiliation	Department of Healthcare Economics and Health Policy Graduate School of Medicine, The University of Tokyo
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(2) Location	7-3-1,Hongo, Bunkyo-ku, Tokyo
(3) Position and name	Tomoyuki Takura, Ph.D., Project Professor
(4) Background	<p>Guest Professor, Graduate School of Medicine Faculty of Medicine, Osaka University (concurrent post)</p> <p>Part-time teacher, School of Engineering, The University of Tokyo (concurrent post)</p> <p>Part-time teacher, Graduate School of Health Management, Keio University (concurrent post)</p> <p>Part-time teacher, School of Medicine, Tokyo Women's Medical University (concurrent post)</p> <p>Professor Takura earned an undergraduate degree in engineering research at Hokkaido University in 1992 and completed work on a medical research degree at Tokyo Women's Medical University in 2006. Next were positions at the Tokyo University Faculty of Medicine, a foreign-affiliated management strategy firm, and the Healthcare Economics and Health Policy Department of Osaka University Graduate School of Medicine. He became a project professor of healthcare economics and health policy at Tokyo University Graduate School of Medicine in 2017.</p> <p>Due to his involvement in research involving the value of medical care, Professor Takura has been a health insurance examiner of the Ministry of Health, Labour and Welfare, participated in the international healthcare exchange program of the Ministry of Economy, Trade and Industry and the Healthcare Innovation Promotion Office of the Cabinet Office, and served as a counselor of the Japanese Society for Artificial Organs and Japanese Association of Cardiac Rehabilitation.</p>
(5) Website	http://plaza.umin.ac.jp/hehp/

3. Profile of Medibrain Corporation

(1) Company name	Medibrain Corporation
(2) Location	Uno Bld. 8F, 2-4-14, Tokuicho, Chuo-ku Osaka-shi, Osaka
(3) Representative	Takahiro Naka, President
(4) Main business	<p>1. Consultation services for achieving a proper level of medical expenses</p> <p>2. Services for providing proper medical care</p> <ul style="list-style-type: none"> - Insurance claims checking service - Checking of applications for judo therapy treatment expenses - Checking of applications for overseas healthcare expenses - Generic drug price difference notification service - Special medical examination and insurance support services - Operations involving health data - General worker temporary placement business (<i>Ha</i> 27-302081) and others
(5) Capital stock	11 million yen
(6) Established	April 1, 1991
(7) Employees	110
(8) Major clients	National Health Insurance, Welfare Public Assistance, Health Insurance Association, Extended Association for Medical Insurance System for the Elderly Aged 75 or Over, Mutual Aid Association, Japan Health Insurance Association
(9) Website	https://medi-brain.com/

4. Outlook

This matter will have only a negligible effect on consolidated financial results for the fiscal year ending March 31, 2018.

Name of our system service

Brand name: JMICS (JAST Medical Insurance Checking System) Service

Name in Japanese: JAST Iryou Hoken Tenken Bunseki System Service

JAST: abbreviation for Japan System Techniques Co., Ltd.