

News Release Dated April 13, 2023

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Launch of Dashboard Using Medical Big Data

Japan System Techniques Co., Ltd. (JAST) has started providing at no cost a medical data dashboard that uses Tableau, a data visualization tool for progress with the digital transformation (DX) of the health care sector. The details are as per attached.

The earnings forecast to be announced on May 12, 2023 incorporates the effect of this matter on the results of operations for the fiscal year ending March 2024. An announcement will be made promptly if there is any additional information that should be disclosed.

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Japan System Techniques Co., Ltd.

Launch of Dashboard Using Medical Big Data

Japan System Techniques Co., Ltd. (JAST) has started providing at no cost a medical data dashboard that uses Tableau, a data visualization tool for progress with the digital transformation (DX) of the health care sector. The dashboard uses the JAST’s anonymous health insurance invoice data for about 8 million people (see note 1) and the REZULT medical big data platform, which uses medical examination data as the source.

Three categories of data are accessible using this dashboard: basic data, data using ICD10 (see note 2), and COVID-19 data. Visualization of each category is possible for individual prefectures of Japan. In addition, percentages based on gender and age as well as the number of patients in a month can be viewed. The dashboard supplies data in a simple manner, such as by showing data for a specific area by clicking the name of a prefecture.

■ **Medical data dashboard access URL**

JAST Lab HP: <https://www.jastlab.jast.jp/opendata/>

Tableau Public: <https://public.tableau.com/app/profile/jastlab>



Medical Data Dashboard

■ **Upcoming Activities**

The goal is to enable the use of this dashboard for joint research and co-creation DX programs by giving more people a sound understanding of the benefits of JAST’s medical big data. Furthermore, this dashboard can supply a broad array of data in addition to the information of the dashboard itself. JAST welcomes inquiries about ways to use the dashboard for the utilization of medical big data.

■ The Future Co-Creation Laboratory of JAST

The Future Co-Creation Laboratory of JAST is a medical big data business with the mission of using the digital transformation of health care backed by medical big data (invoice data, health check-up data and other data) to solve issues at healthcare facilities and insurance companies and organizations. This laboratory will continue to analyze information obtained from research activities in order to raise the value of JAST's data and create more ways to solve the issues of customers.

Operations of The Future Co-Creation Laboratory also contribute to accomplishing Sustainable Development Goals number three, good health and well-being, and nine, industry, innovation and infrastructure. These activities include the use of medical big data to enable people to stay healthy and the use of alliances with the academic sector for joint research and the development of products.



Note 1: Health insurance invoice data

When an individual receives a medical treatment covered by insurance, the healthcare institution sends an invoice listing the procedures and amounts due to the insurance company or organization. For medical and dental care, an invoice listing the procedures and amounts due is sent. For pharmacies, an invoice listing the drugs supplied and amounts due is sent. For nurses visiting individuals at home, an invoice listing home nursing care services and amounts due is sent. One invoice for each patient and individual healthcare institution is prepared every month. Invoices contain information about the reasons that individuals received medical care, the cost of the care and other items. JAST converts this information into a database for subsequent utilization.

Note 2: ICD10

ICD, which is short for International Statistical Classification of Diseases and Related Health Problems, is a classification system established by the World Health Organization (WHO) based on this organization's constitution. The purpose is to record, analyze and interpret systematically data about deaths and diseases from different countries and regions and different times. ICD-10 was adopted at the World Health Assembly held in 1990 and health data classifications in Japan currently use the 2013 version of ICD-10. More information is in the Disease, Injury and Death Statistics Category page of the Ministry of Health, Labour and Welfare website (<https://www.mhlw.go.jp/toukei/sippe/>).

■ Inquiries

The Future Co-Creation Laboratory, Japan System Techniques Co., Ltd.

Contact for more information (redirected to an external website): <https://www.jastlab.jast.jp/contact/>

Website of The Future Co-Creation Laboratory: <https://www.jastlab.jast.jp/>