

Aktuelle Meldung

## New Digital Healthcare Report: What Germany Can Learn From Japan About Healthcare Digitisation

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Potsdam, Germany. Demographic decline is a key challenge for many countries and their health systems, including Germany and Japan. As one of the fastest aging nations, Japan has taken a new strategic approach. It created a new regulatory framework for a next-generation healthcare system where medical data and technology will be more usable. What can Germany learn from Japan's new strategy?

A new digital healthcare report by the Hasso Plattner Institute (HPI) compares the digital health ecosystems and developments in Japan and Germany and describes how digitisation of the health sector can lead to a sustainable healthcare system and open up new business opportunities at the same time. The report "Big Health Data, Big Health Opportunities" is authored by digital health expert Prof. Dr. Erwin Böttinger, head of the HPI Digital Health Center. The full report can be found here: <https://hpi.de/en/boettinger/publications.html>

In the last 60 years, the proportion of the world population aged 65 and above has almost doubled from 5 percent to over 9 percent. One-fifth of Japanese citizens are 70 years of age or older, putting the country at the forefront of demographic changes now facing many other developed countries including Germany. Taking this unprecedented situation as a transformative opportunity, the Government of Japan is working on creating a new patient-oriented healthcare system for generations to come. This report introduces key initiatives by the Government of Japan that include data and technological innovations to promote healthier lifestyles, as well as business opportunities for foreign companies with Japan in this new digital economy of an aging society.

Prof. Dr. Erwin Böttinger says: "Healthcare digitisation is the key to sustainability. Establishing a high-level strategic approach and centralized coordination is necessary for success. Japan's approach is a blueprint for many other soon-to-be super-aged societies. I am convinced that both, the Japanese and German healthcare system will benefit considerably from collaborations."

### **About the Hasso Plattner Institute**

The Hasso Plattner Institute (HPI) in Potsdam is Germany's university center of excellence for digital engineering, advancing research and education in IT systems engineering, data engineering, cyber security, entrepreneurship, and digital health. With its bachelor's and master's degree programs, the Faculty of Digital Engineering, established jointly by HPI and the University of Potsdam, offers innovative engineering- and application-oriented study programs. HPI consistently earns a top-notch place in the CHE University Ranking, and conducts research noted for its high standard of excellence in digital engineering, and concentrates on the research and development of user-oriented innovations for all areas of life. PhD candidates carry out research at the HPI Research School in Potsdam and its branches in Cape Town, Haifa, Nanjing and at the recently opened office in New York. The HPI School of Design Thinking is Europe's first innovation school for university students. With the groundbreaking, interdisciplinary HPI-Mount Sinai Digital Health Project, the Mount Sinai Health System and the HPI bring together leaders from healthcare, biomedical research, data sciences, artificial intelligence, and society, working together towards a shared goal to improve health and wellbeing.

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### **About the HPI Digital Health Center**

The HPI Digital Health Center (DHC) brings together individuals from health sciences, human sciences, data sciences, digital engineering and society with a shared goal to improve health and wellbeing. The Center assumes an open, inclusive network structure of researchers, projects and research institutions in order to empower patients and to transform healthcare with innovative digital health solutions. In March 2019, the Hasso Plattner Institute for Digital Health at Mount Sinai (HPIMS) was formed as the result of a cooperation agreement between the Mount Sinai Health System (MSHS) in New York City and the Hasso Plattner Institute (HPI). With HPIMS both institutions aim to develop digital health solutions that empower patients and healthcare providers and improve health and health outcomes. With world-class expertise and complementary resources in health care, data sciences and biomedical and digital engineering, the new HPIMS brings together experts with combined excellence in healthcare delivery, health sciences, biomedical and digital engineering, machine learning, and artificial intelligence to develop digital products with real-time predictive and preventive capabilities.

Homepage: [www.hpi.de/dhc](http://www.hpi.de/dhc) and <https://icahn.mssm.edu/research/hpims>

Twitter: [@HPI\\_health](https://twitter.com/HPI_health)

### **About Prof. Dr. med. Erwin Böttinger**

Erwin Böttinger is the director of the Digital Health Center at the Hasso Plattner Institute (HPI) in Potsdam, Germany, and director of the newly formed Hasso Plattner Institute for Digital Health at Mount Sinai in New York, USA. He holds dual academic appointments as chaired Professor for Digital Health - Personalized Medicine at the joint Digital Engineering Faculty of the HPI and University Potsdam, and as Professor of Medicine and Systems Pharmacology and Therapeutics at the Icahn School of Medicine at Mount Sinai, New York City. From November 2015 to July 2017 Erwin Böttinger was the CEO of the Berlin Institute of Health (BIH) where he played a key role in shaping its forward-looking strategy for 'Personalized Medicine - Advanced Therapies'. From 2005 to 2015, he served as founding director of the Charles Bronfman Institute for Personalized Medicine at the Icahn School of Medicine at Mount Sinai in New York, USA. Erwin Böttinger is a pioneer in ground-breaking implementations of personalized medicine and digital health in clinical practice. Homepage: [www.hpi.de/boettinger](http://www.hpi.de/boettinger)  
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