

US-JAPAN HBD EAST Think Tank Meeting 2023





~日米産官学による医療機器規制調和会議~

U.S. and Japan medical device regulatory Harmonization by Doing (HBD) initiative

下機連 「一般社団法人 日本医療機器産業連合会 JFMDA The Japan Federation of Medical Devices Associations

What should be considered for global harmonization of medical device development through HBD activity?

An overview of the global situation surrounding medical devices

Fumiaki Ikeno, M.D.

Program Director (U.S) Japan Biodesign, Stanford biodesign Program, Stanford University

Co-Director of Asia, SPARK Global, Stanford SPARK, Stanford University

Researcher, Division of Cardiology, School of Medicine, Stanford University

Faculty of Japan Reach, CARE (Center for Asian Health Research and Education), Stanford University

Chief Medical Officer, MedVenture Partners, Inc

COI

MedVenture Partners, Inc (I serve as a board member) invests to Sono Motion

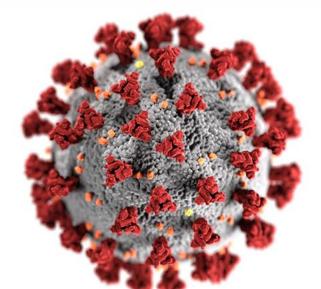








Meca Godzilla



Pandemic















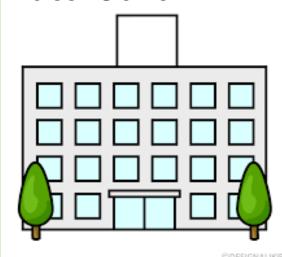








Virtual Hospital Medically Home Remote Care





Is paradigm shift of healthcare happening in the USA?

Most healthcare consultations took place in physical healthcare facilities, such as hospitals, clinics, and doctor's offices.



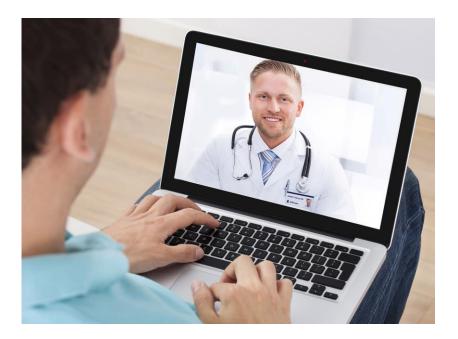
Telemedicine was often used for minor consultations or in rural areas with limited access to healthcare services.



AFTER

Telehealth and Telemedicine

The pandemic accelerated the adoption of telehealth and telemedicine services. Virtual consultations became more common for routine healthcare needs, allowing patients to access care remotely.



AFTER



Digital Health Tools

The use of digital health tools, including mobile health apps and wearable devices, surged. These tools help individuals monitor their health and communicate with healthcare providers.



AFTER





Remote Monitoring

Remote patient monitoring devices, such as wearable sensors and remote diagnostic tools, gained popularity for managing chronic conditions and tracking vital signs.



AFTER

精神科



Mental Health Awareness

The pandemic has raised awareness about the importance of mental health, both for patients and healthcare providers. Mental health services and resources have become more readily available and destigmatized.





AFTER

Cyber and Data Securities

Cyber and data security are of utmost importance in the medical and healthcare industry, given the sensitive and confidential nature of patient information and the critical role technology plays in healthcare delivery.



10¢k | 858882736

AFTER

Healthcare Policy Changes

Governments and healthcare organizations have implemented new policies and regulations to address the challenges posed by the pandemic, such as remote work for healthcare professionals, changes in reimbursement models for telehealth, and pandemic preparedness planning.



Centralized Clinical Trial



AFTER

Dx of Clinical Trial





Centralized Clinical Trial

All trial activity conducted at the clinical research site



Hybrid Clinical Trial

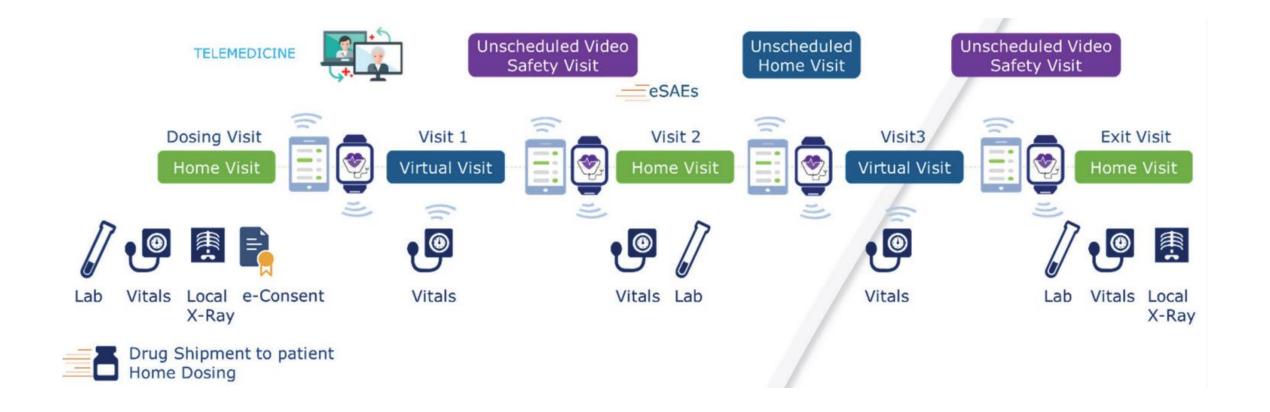
A combination of trial activity conducted at the clinical research site & participant's home



Decentralized Clinical Trial

All trial activity conducted at home/virtually. Medicine & supplies delivered directly to participants





The care of hospital, the comfort of home







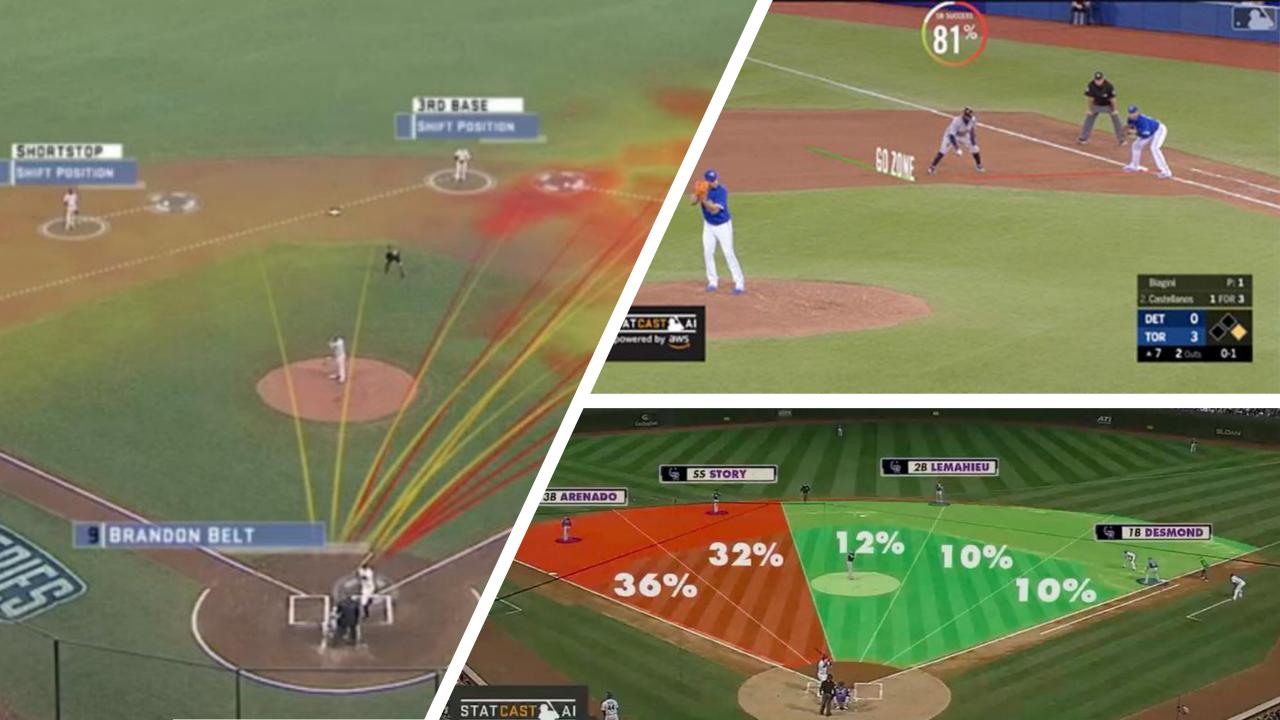
Find out more: gmhospitalathome.co.uk















"Taxi without Taxi Driver"

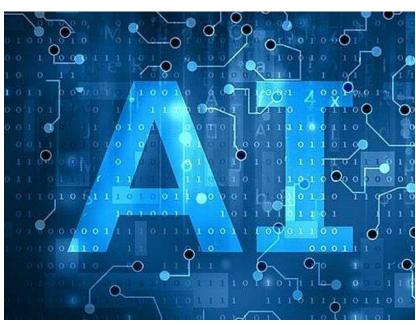
Waymo's robotaxis are now available to tens of thousands of people across all of San Francisco





ROBOTIC SURGERY











VALUE BASED CARE







