

We strive to drive digital transformations (DX) in healthcare for patients, medical professionals, the government, local communities, and everyone in society.

Gakuho Fukushi

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CMIC Group contributes to innovation in the healthcare industry through its extensive network, originally established as a Contract Research Organization (CRO) for the development of pharmaceuticals. “harmo” , acquired from SONY in 2019, has evolved from a digital medication record service to a vaccination management app. Today, it has grown into one of the company’s key solutions for responding to pandemics, shaped by the experience of COVID-19.

Gakuho Fukushi, Chief Creative Officer of the CCO Lab. at CMIC HOLDINGS, shares the company’s commitment to healthcare DX.

Delivering greater relief and convenience in healthcare.

The harmo Medication Notebook was created by an engineer to solve problems he faced as a patient.

I realized the need for a digital prescription record after becoming ill and struggling to keep track of all the medications prescribed by different hospitals using paper records. I felt a strong need to manage my prescription data in a way that would allow me to access and present it easily in case of an emergency. After realizing that there must be many people with similar needs, I decided to develop the “harmo Medication Notebook” service using my engineering background. When most people hear the term “healthcare DX,” they probably think of improving operational efficiency for medical professionals. However, I believe it’s equally important to create services that empower patients—making it easier for them to manage their own healthcare information.

“harmo Medication Notebook” started with a patented technology that securely stores a patient’s private information on an IC card, with the prescription data saved on the cloud. For added convenience, patients can now also access the service via a smartphone app. In addition, the Ministry of Health, Labour

and Welfare has officially recognized “harmo Medication Notebook” as a digital medication record service that meets its guidelines. “harmo” enables patients to manage their own medication history, while hospitals and clinics can use the stored information to conduct examinations and issue prescriptions more efficiently. Since its launch in 2011, the service has grown to approximately 450,000 users across Japan.



Safely and securely managing patients’ information and their medication records

Applying the technology of “harmo Medication Notebook” to prevent vaccination errors.

Using the technology behind “harmo Medication Notebook,” CMIC began developing “harmo Vaccination Care” in 2019 to support a vaccination management for infants and toddlers. Babies 0-1 years old receive a lot of vaccinations within a short timeframe, and as a result, there have been reports of vaccinations being administered at incorrect intervals. Since managing vaccinations is not easy for both guardians and healthcare professionals, we conducted a trial of “harmo Vaccination Care” in the Kawasaki City, Kanagawa Prefecture, Japan. The trial involved 57,700 vaccination records, and successfully prevented 159 errors (as of January 30, 2025). “harmo” supports people of all ages, including individuals over 65, who receive multiple vaccines such as the pneumococcal vaccine. In addition, we launched “harmo Vaccination Care for

Healthcare Workers” to support more effective management of antibody status and vaccinations among medical professionals. The technology behind “harmo Vaccination Care” was also used to create “harmo Vaccination Care Coexisting with COVID-19” in response to the declaration of the state of emergency in 2020. “harmo Vaccination Care Coexisting with COVID-19 supported mass vaccination efforts by local governments, covering over two million people at nearly 200 venues, and helped prevent 73 errors. The technology was later used to develop the system called VICSA (Vaccination Information Check System at Airports), co-developed with GVE Ltd. This solution, which supports vaccination management using passports, is now listed in the WHO’s online catalog for governments.

◆Digitalized vaccination records that bring comfort and clarity to those who give and receive care

〈Paper vaccination records (Maternal and Child Health Handbook)〉



〈Digitalized vaccination records (harmo Vaccination Care)〉



CMIC Group strives to create new “seeds” to address social challenges.

I joined CMIC Group after leaving SONY, knowing that its connections with pharmaceutical companies, medical institutes, government agencies, and local governments would accelerate innovation in healthcare. I was able to play a part in founding harmo Co., Ltd. in 2021 and in launching “harmo Medication Notebook” and “harmo Vaccination Care” services that enabled CMIC Group to successfully develop new businesses during the COVID-19 pandemic. In 2023, as part of our initiative to create

new business “seeds” to address social challenges, we started a research and development (R&D) organization called CCO Lab. With our technology and creativity, we will strive to bring innovation to the healthcare industry by designing and providing new solutions to social issues.

Click below to visit the CCO Lab. website.
<https://cmic-ccolab.com/>