Real Time
Medi Check

Safe Vaccination Platform

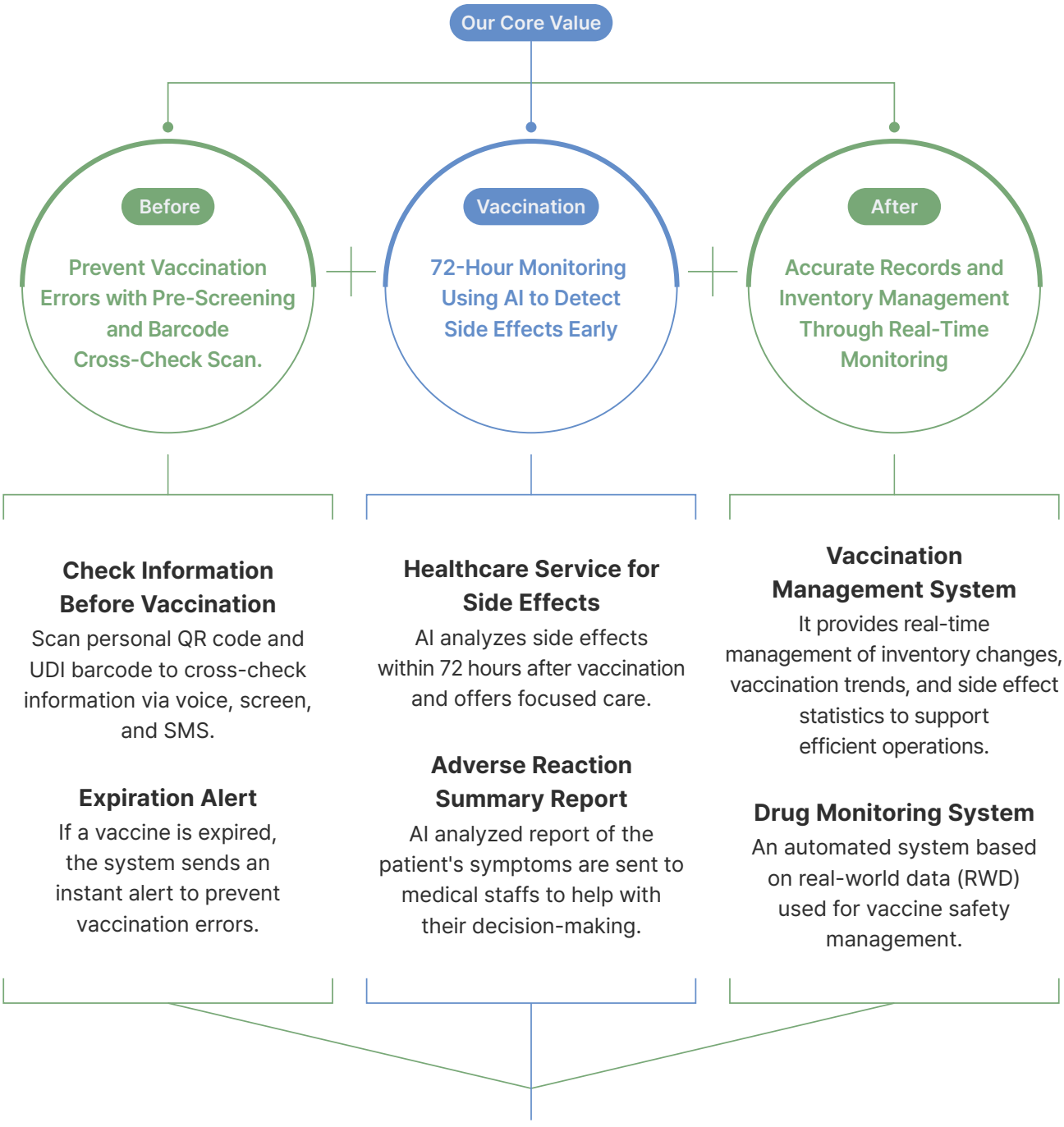
A Vaccine Safety Network Built on RealWorld Data

BR_RTMC_2025_001_eng

Vision

Protecting Every Patient Through a Vaccine Safety Network Built on Real-World Data

Using Digital Technology to Create a Safer and More Sustainable Cycle of Healthcare



We Are Building a Sustainable Vaccination System through Digital Innovation.

Project

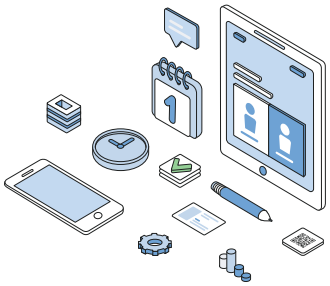
"Through ESG-focused management for a sustainable future, we eliminate human errors and overcome limitations on safety management in the vaccination process."

Eliminating both paper waste and human error in pre-screening.

Reducing medical waste and enhancing safety through digitalization

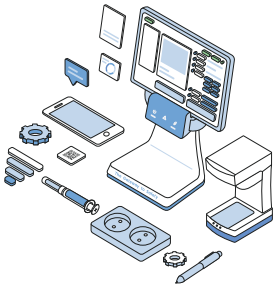
Guaranteeing equal healthcare access and safe vaccinations for all patients.

01 Digital Pre-Screening



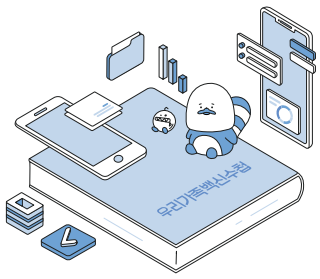
- Minimizes missing or incorrect information through digital input.
- Allows users to complete forms on a mobile device before visiting the clinic

02 UDI Barcode Scanner & Miranda Healthcare



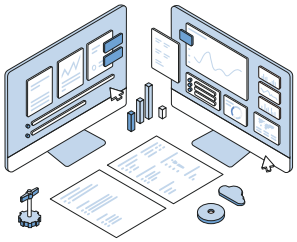
- Prevents vaccination errors through barcode cross-verification
- Checks vaccine expiration date, tracks and auto-adjusts inventory.

03 ePRO (electronic Patient Reported Outcomes) Patient Self-Monitoring



- Records post-vaccination health status and side effects
- Analyzes similarity, rarity, correlation, and severity of side effects

04 Side Effect Monitoring & Medication Monitoring Software

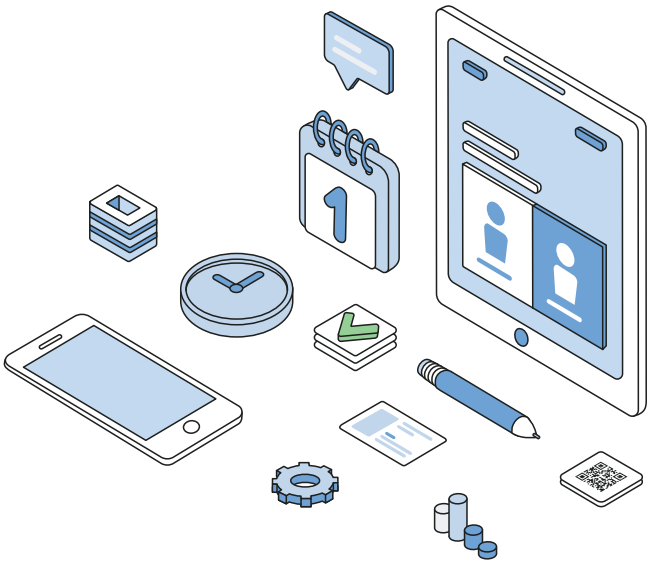


- Instant warning when side effect is detected
- An automated system based on real world data

01

Digital Pre-screening

Medical Facility



Introduction

A digital pre-screening system that lets patients complete a full medical questionnaire on mobile device before vaccination via web or the “Digital Pre-screening” app

Key Features and Benefits

Intuitive interface makes pre-screening easy for anyone.
Data is securely stored on the server
No physical documents needed

Main Features

Patients can enter their health information such as current condition, medical history, and underlying conditions on a mobile device before visiting the clinic

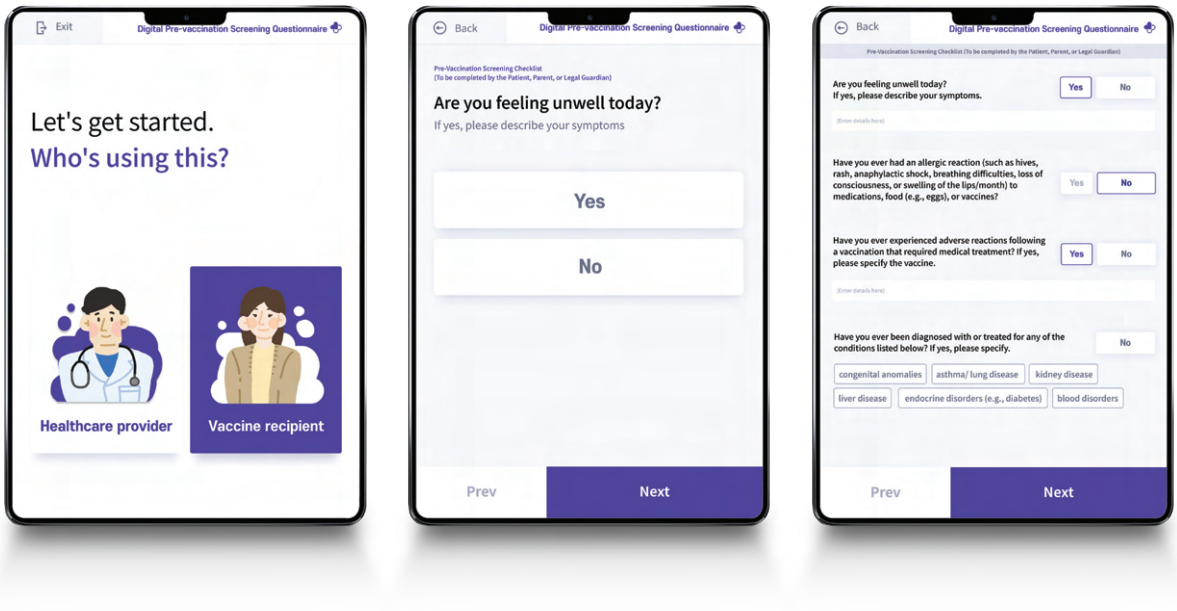
- Minimizes missing or incorrect data through digital input
- Complete in advance on any mobile device

Implementation Benefits

Pre-screening in advance reduces waiting time and crowding in clinics, creating a better vaccination environment. It also lessens the administrative burden of managing, storing, and transferring forms, improving staff efficiency.

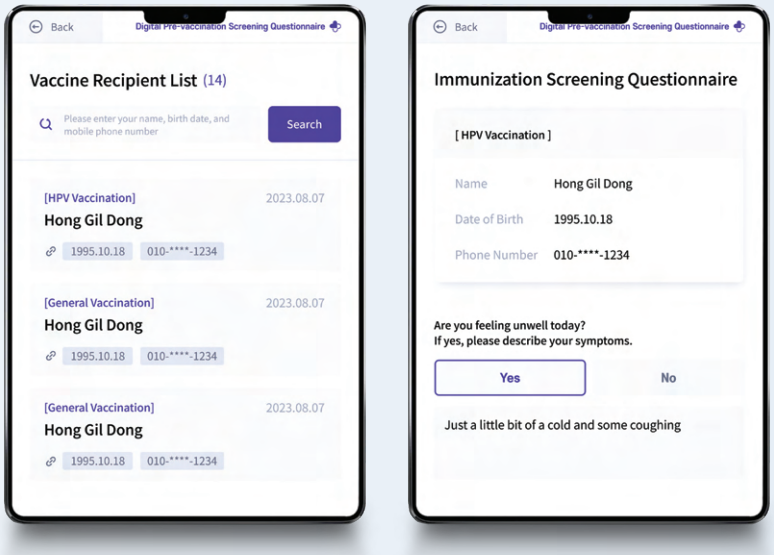
Reduced waiting time

Medical Staff’s Screen



Improved medical staffs’ efficiency

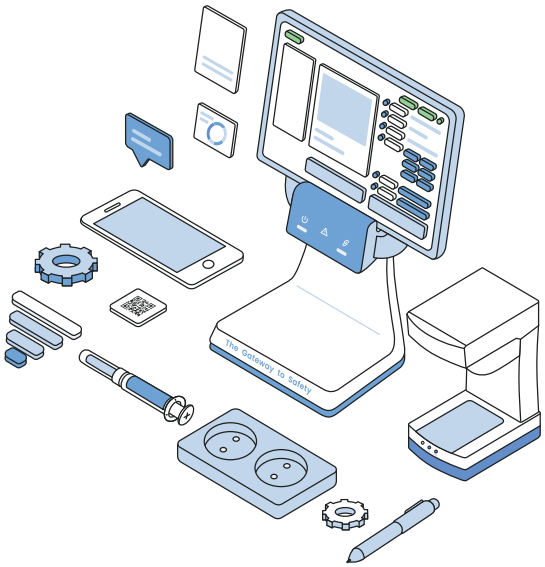
Patient’s Screen



02

UDI Barcode Scanner & Miranda Healthcare

Medical Facility | CTC (Clinical Trials Center) | Pharmacy | Manufacturer | Logistic provider



Introduction

The system helps to prevent vaccine and registration errors by cross-verifying the patient's QR code with the UDI. It's used in clinics, pharmacies, public health centers, manufacturers, and logistics sites, with visual and audio guidance provided through a connected tablet.

Key Features and Benefits

Accurately reads low-quality barcodes (e.g., low contrast, damage, distortion).
Detachable tablet allows flexible use in vaccination areas, vaccine storages, hospitals, and pharmacies.

Main Features

Hardware

- Voice and screen guidance during scanning.
- Barcode cross-verification to prevent vaccination errors.

Software

- Expiration date checks for vaccines.
- Auto stock adjustment and inventory tracking.

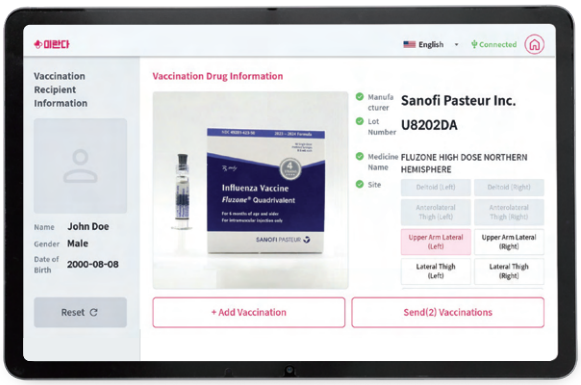
Implementation Benefits

Reducing human error during vaccination lowers the burden on medical staff and eases patient anxiety. The digital process also improves inventory management and record accuracy.

Check information before vaccination

Preventing Vaccine Errors

Scanning a personal QR code and the vaccine's UDI barcode allows the verification between the two (Patient & Vaccine) through voice, screen, and message.
This process can prevent the vaccination error from happening.

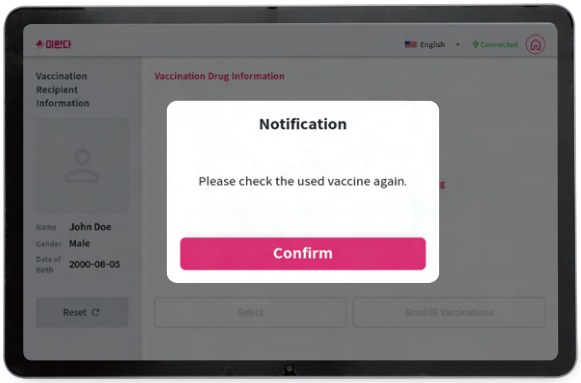


Barcode Scan Result (Display)

Expiration alert

Preventing Using Expired Vaccines

If a vaccine is expired, scanning triggers an instant pop-up alert, notifies the medical staff and prevent its injection.



Expired Vaccine Warning (Display)

RTMC Device

RTMC-TAB & RTMC-V

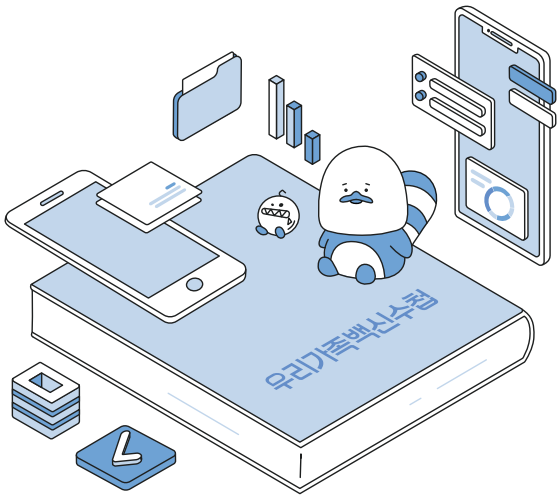
Vaccination Error Prevention Device

Clinical Trial Device

03

ePRO
Patient Self-Monitoring

Medical Facility



*ePRO: electronic Patient Reported Outcomes

Introduction

After vaccination, patients report their condition and any side effects. AI monitors them for 72 hours, using data from Institute of Drug Safety & Risk Management to analyze and detect potential side effects early.

Key Features and Benefits

Collects all required data on side effects (symptoms, drug info, patient and reporter details) without errors, ensuring high reliability. Also gathers real-world data from special groups like children, the elderly, and pregnant individuals for broader analysis.

Main Features

- Record post-vaccination health status and side effect.
- Analyze similarity, rarity, relevance, and frequency of side effects.
- Give the self-assessment report of side effects.

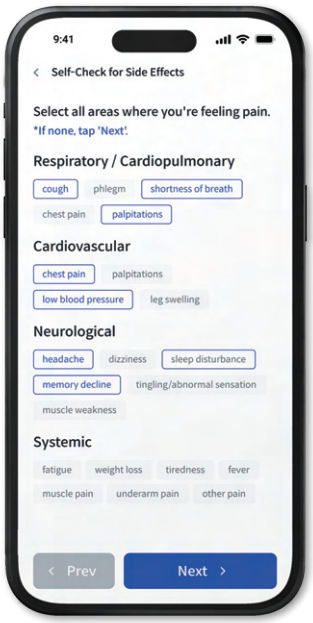
Implementation Benefits

Enables early detection and fast response to side effects, improving the reliability and usability of clinical and public health data and enhancing patients' quality of life.

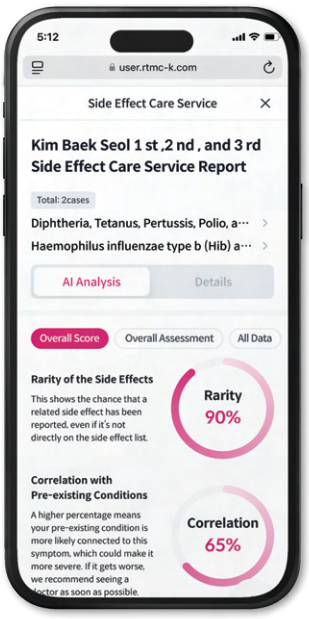
Self-monitoring side effects and AI personalized care

Self-Monitoring and Side Effect Care Services

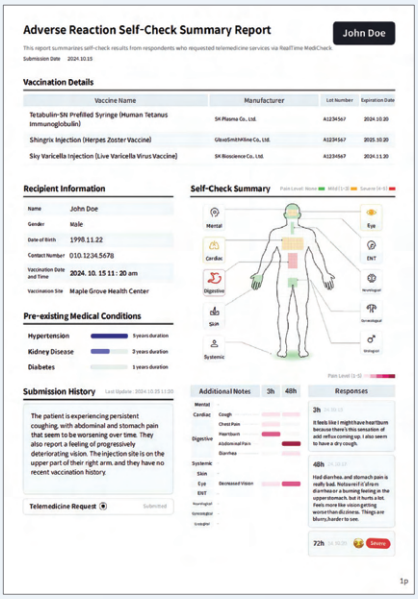
Patients can enter any symptoms experienced within 72 hours into our self-monitoring system. The AI analyzes the submitted symptoms to help provide targeted and intensive care.



Side effect self-monitoring (Display)



Side effect healthcare service (Display)



Patient's symptoms check

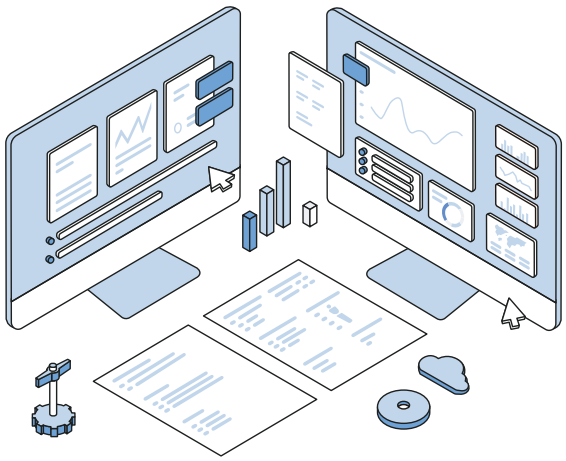
Self-Monitored Summary Report

When a patient requests for a remote care, the AI analyzes their reported symptoms and sends a report to the medical staff.This process helps with decision-making of a medical staff.

04

Side Effect Monitoring & Medication Monitoring

Medical Facility | CTC (Clinical Trials Center) | Pharmaceutical Company | Research Institution



Introduction

This software collects, analyzes, and predicts side effect data in real time for post-marketing surveillance (PMS), using UDI barcode scans and ePRO inputs. It includes data from groups that are excluded from clinical trials like infants and pregnant individuals, providing a vital foundation for vaccine safety evaluation.

Key Features and Benefits

The system offers a dashboard for monitoring side effect frequency, types, and stats by age, gender, and conditions. It auto-generates PMS case reports, reducing data gaps and improving accuracy and efficiency.

Main Features

- Sends instant alerts when side effects are detected.
- Tracks product details including name, manufacturing date, expiration date, and lot number.

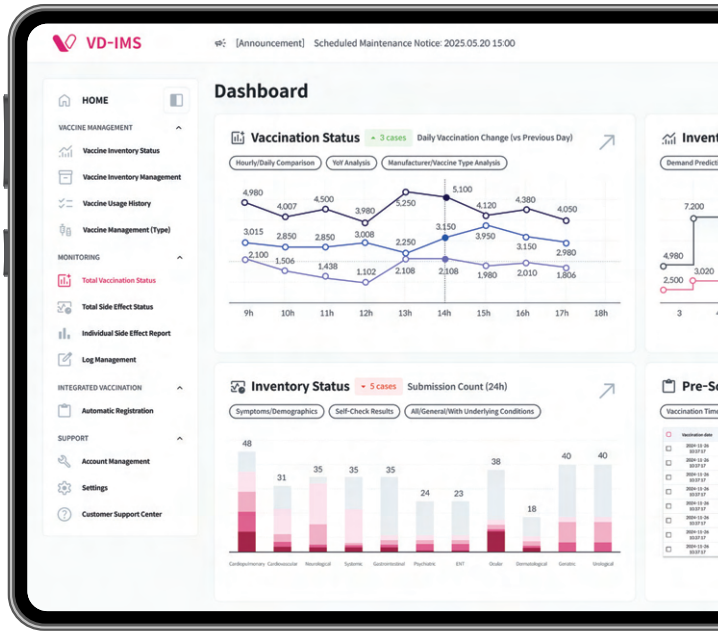
Implementation Benefits

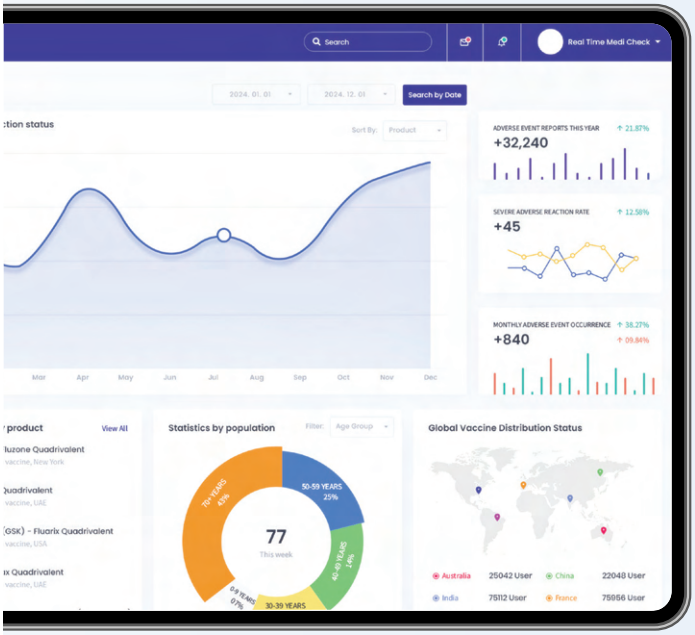
The system gathers RWD from groups that are excluded from clinical trials like infants, pregnant individuals, the elderly, and those with unique health conditions to provide more accurate review for vaccine safety. It also saves time on case reporting, reduces staff workload and improves efficiency.

Vaccine administration system

Vd-IMS

This system enables real- time management of vaccination-related data. It provides a clear view of inventory changes, vaccination trends, and side effect statistics which supports the healthcare professionals more efficiently.





Drug monitoring system

Pv-IMS

This automated platform enhances vaccine safety management by using real-world data (RWD) to track and report side effects efficiently."

Real Time Medi Check Inc.
Head Office: 503, H-Tower, 19 Hyeoksin-ro, Wonju-si, Gangwon-do, Korea
R&D Center: C-101, 3F, DA Plaza, 928 Aenggogae-ro, Namdong-gu, Incheon, Korea
Phone: 070-8656-6630
Email: info@rtmc-kr.com
Web: www.rtmc-kr.com