

Nihon Kohden's Digital Health Solution Vision

Nihon Kohden
(Securities code: 6849)
March 3, 2026

Fighting Disease with Electronics



Agenda

I Overview of DHS Vision

Naoto Nishii, Operating Officer,
General Manager of Business Strategy Operations

II DHS Vision in Japan

Hirohiko Ikeya, Senior Operating Officer,
General Manager of Technology Development Operations
Hiroyuki Taniguchi, General Manager of DHS Technology Development Division,
Technology Development Operations

III DHS Vision in North America

Keiichiro Yoshizawa, Operating Officer,
General Manager of North America Business Operations
Roy Sakai, President & CEO of Nihon Kohden America
Harsh Dharwad, President & CEO of Nihon Kohden Digital Health Solutions

IV Q&A

Overview of DHS Vision

- Long-term Vision and Three-year Business Plan

Long-term Vision and Three-year Business Plan

We contribute to the world by fighting disease and improving health with advanced technology, and create a fulfilling life for our employees.



Illuminating Medicine for Humanity

Create a better future for people and healthcare by solving global medical issues

**Targets for
FY2029**

Operating
Margin

15%

Overseas
Sales Ratio

45%

Management
Philosophy

Long-term
Vision

Three-year
Business Plan

Core Values

Apr. 2027 - Mar. 2030 **BEACON 2030** Phase III : Realize BEACON 2030

Apr. 2024 - Mar. 2027 **BEACON 2030** Phase II : Invest for growth

Apr. 2021 - Mar. 2024 **BEACON 2030** Phase I : Strengthen foundation

Core values are shared by Nihon Kohden staff worldwide, helping to connect them and contributing to the promotion of our Management Philosophy, Long-term Vision, and Three-year Business Plan.

Integrity / Humbleness / Diversity / Initiative / Customer Centric / Goal Oriented / Creativity

1 Transform into a global company creating high added value

- Promote overseas business strategies emphasizing high growth and improved profitability
- Develop sophisticated value propositions and cultivate new businesses areas in domestic business
- Create new business models by utilizing our global business foundation



2 Create a solution business providing superior customer value

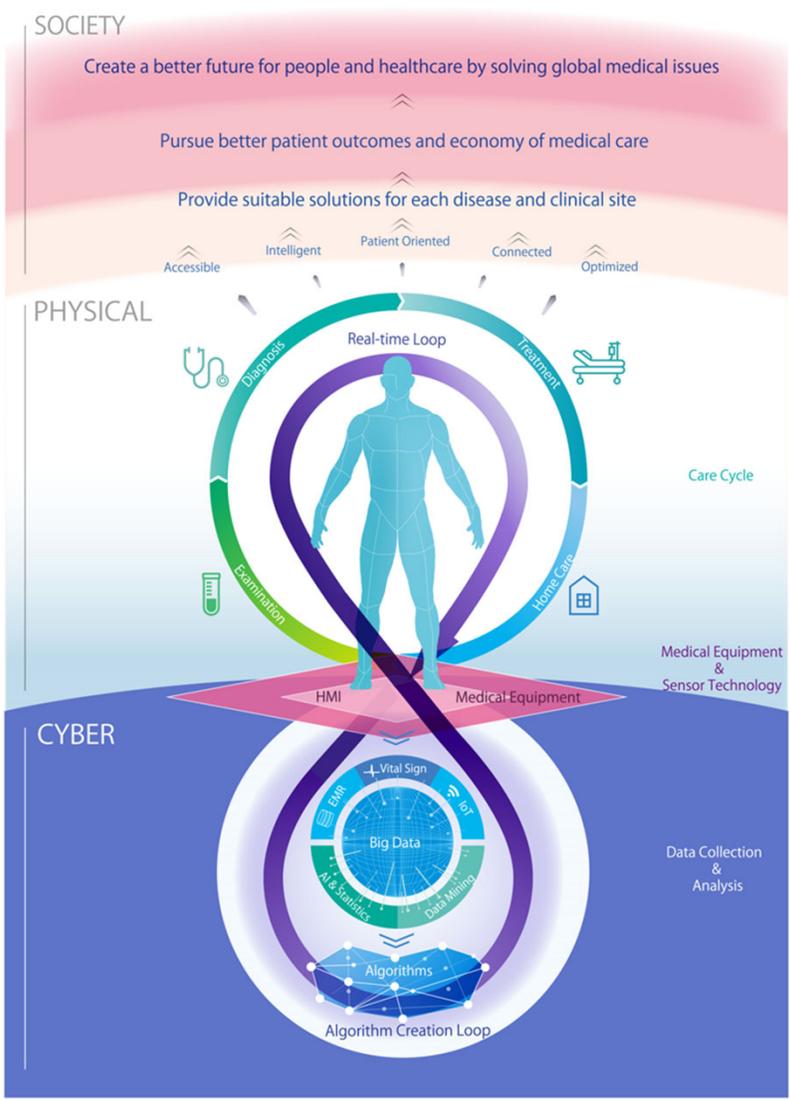
- Create a business model that helps solve medical issues
- Realize a value creation model that creates value from data, by utilizing our core strength in Human Machine Interface* technology

3 Establish a global organization founded on Operational Excellence

- Establish an organizational and governance system in line with our corporate strategy
- Establish a development, production and sales system based on Global Supply Chain Management
- Strengthen global business deployment capabilities by establishing a Center of Excellence

* Human machine interface is the user interface that connects human and machine. For Nihon Kohden, this refers to sensor technology, signal processing technology, and data analysis technology.

Value Creation Compass



● Patient outcomes and economy of medical care

We aim to create value that addresses global medical issues of achieving better patient outcomes and improving the economy of medical care.

● Suitable solutions for each disease and clinical site

We aim to provide the optimal care cycle solution for each patient, from examination, diagnosis, and treatment to home care.

● HMI technology and medical equipment

HMI technology is one of our core strengths and serves as an important touchpoint with patients throughout their clinical journey.

HMI technology and medical equipment give us access to patients and clinical sites which enable us to create value.



● Value creation from data gathered through clinical sites

Nihon Kohden will develop a data integration platform and pioneer algorithms to create new value from information. Vital sign data, IoT data and EMR information will be integrated as a big data. Algorithms for clinical prediction models will be developed using AI and data analysis.

● Real time loop to respond to clinical needs

By combining HMI technology and medical equipment used in the medical field, and new algorithms created from big data analysis, we provide solutions that can respond to clinical needs in real time.

* Human machine interface is the user interface that connects human and machine. For Nihon Kohden, this refers to sensor technology, signal processing technology, and data analysis technology.

3 Indicators and 6 Key Measures in Three-year Business Plan

Implement the reform of the profit structure and make investments in growth areas, and accelerate our transformation into a global MedTech company

1) Growth

Sales CAGR
FY2023 - FY2026

5%

Enhance product competitiveness

Focus on growth of North America Business

2) Profitability

Operating income margin
in FY2026

15%

Implement the reform of the profit structure

Advance global supply chain management

3) Capital efficiency

ROE
in FY2026

12%

Introduce Nihon Kohden's own ROIC formula

Reduce cash conversion cycle

Practice of Sustainability Management

Medical issues

Environmental issues

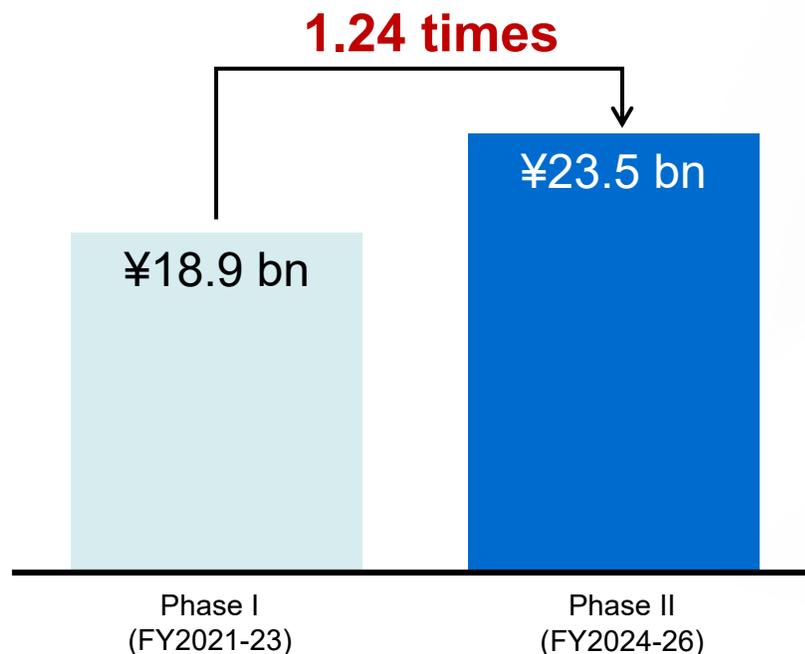
Social issues

R&D investments in patient monitors, ventilators, and **digital health solutions**.
Strengthening technological capabilities. Shortening the development time for new products

Key development areas

R&D investments
in patient monitors, ventilators, and DHS

R&D costs



Strengthening technological capabilities

Common design platform

- Standardizing hardware and software platforms
- Establishing a common data platform for DHS

Multi-plant design

- Strengthening cost competitiveness through global production in optimal locations
- Responding to moves to prefer domestically produced products

Enhance cybersecurity measures

- Ensuring cybersecurity of the entire range of our medical devices and IT systems
- Strengthening post-market surveillance capability

Strengthen QA/RA*1 structure

- Strengthening the Global Quality Management System
- Responding quickly to the state-of-the-art regulations and laws related to medical equipment
- Obtaining approval of SaMD

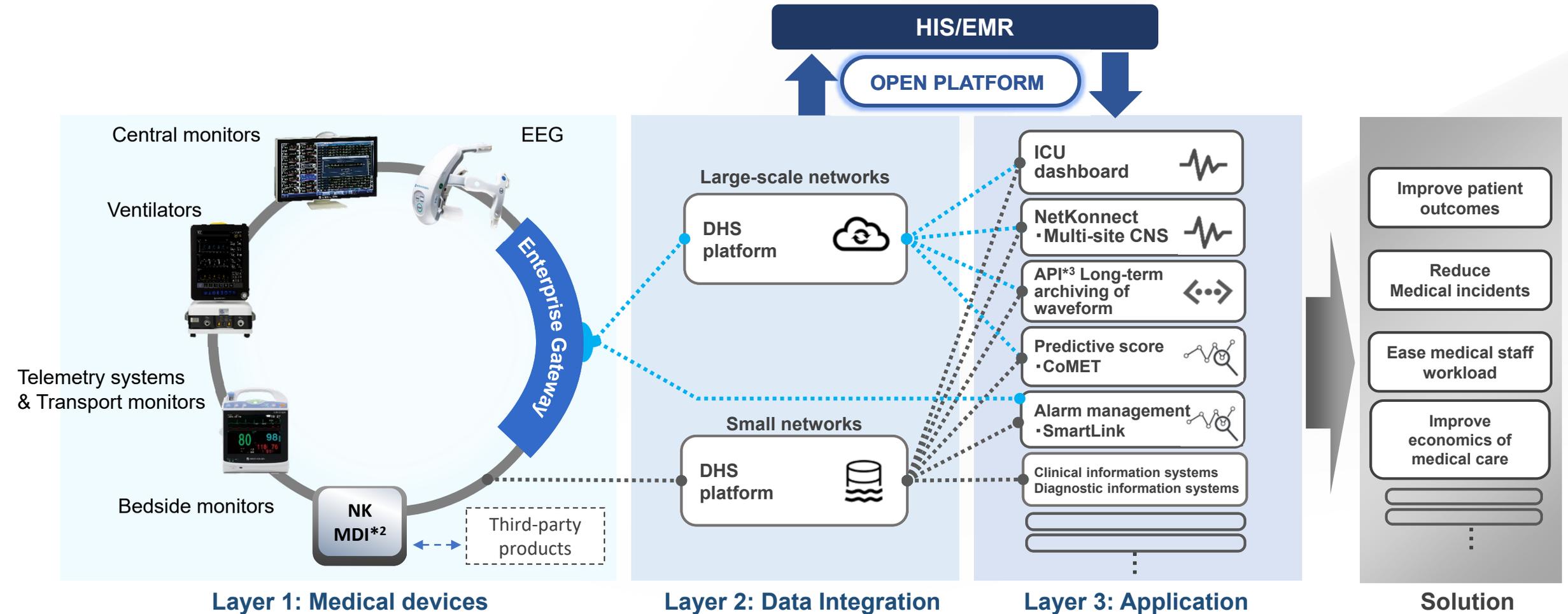
Shortening the development time for new products

- Target: Shortening time from concept development to launch by approx. 10-20% by implementing the reform of R&D process in addition to the introduction of PLM / MES systems*2.

*1 QA: Quality Assurance, RA: Regulatory Affairs,*2 PLM: Product Life-cycle Management, MES: Manufacturing Execution System.

Overview of our DHS Vision

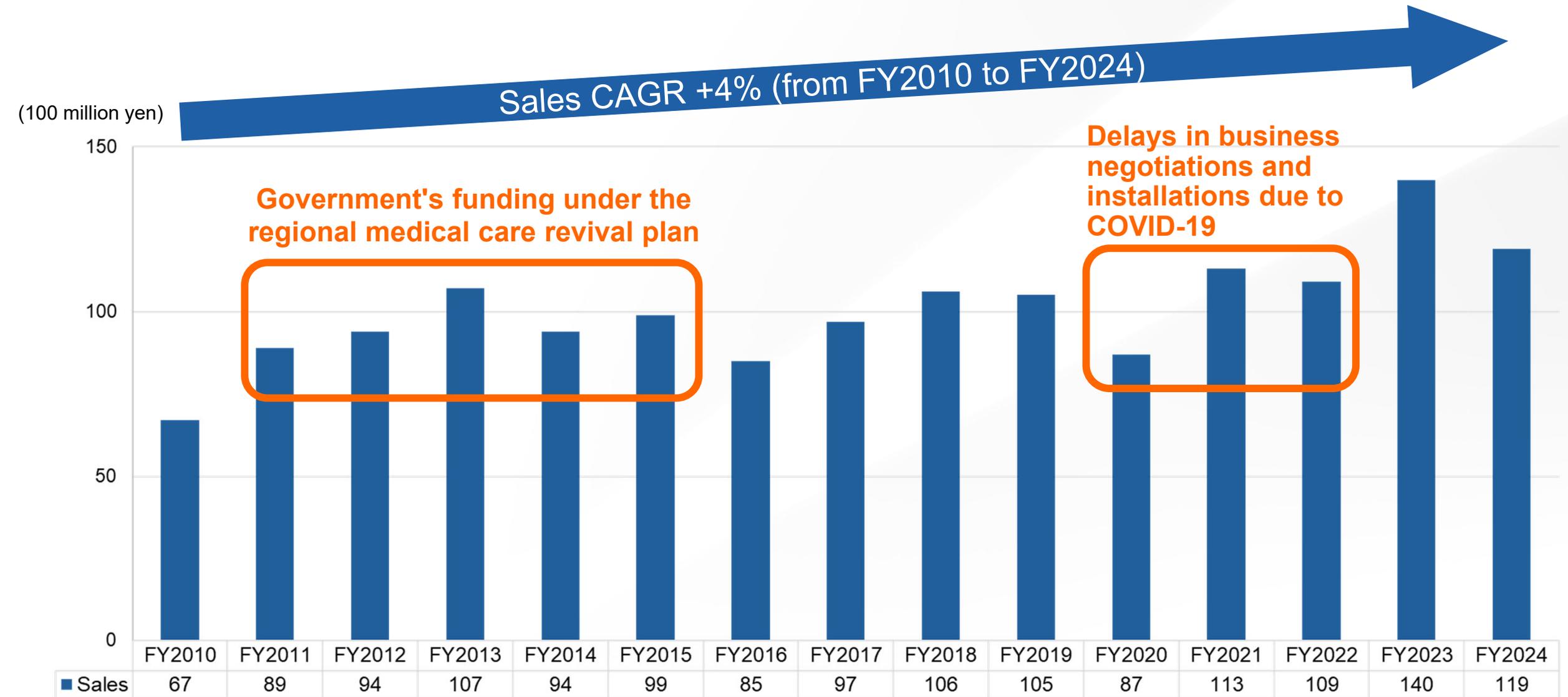
Providing total solutions through a three-layer open platform and enhanced components. This structure is highly evaluated for its linkage with HIS/EMR*1 and its high scalability.



*1 HIS: Hospital Information System, EMR: Electronic Medical Record, *2 MDI: Medical Device Integration, *3 API: Application Programming Interface.

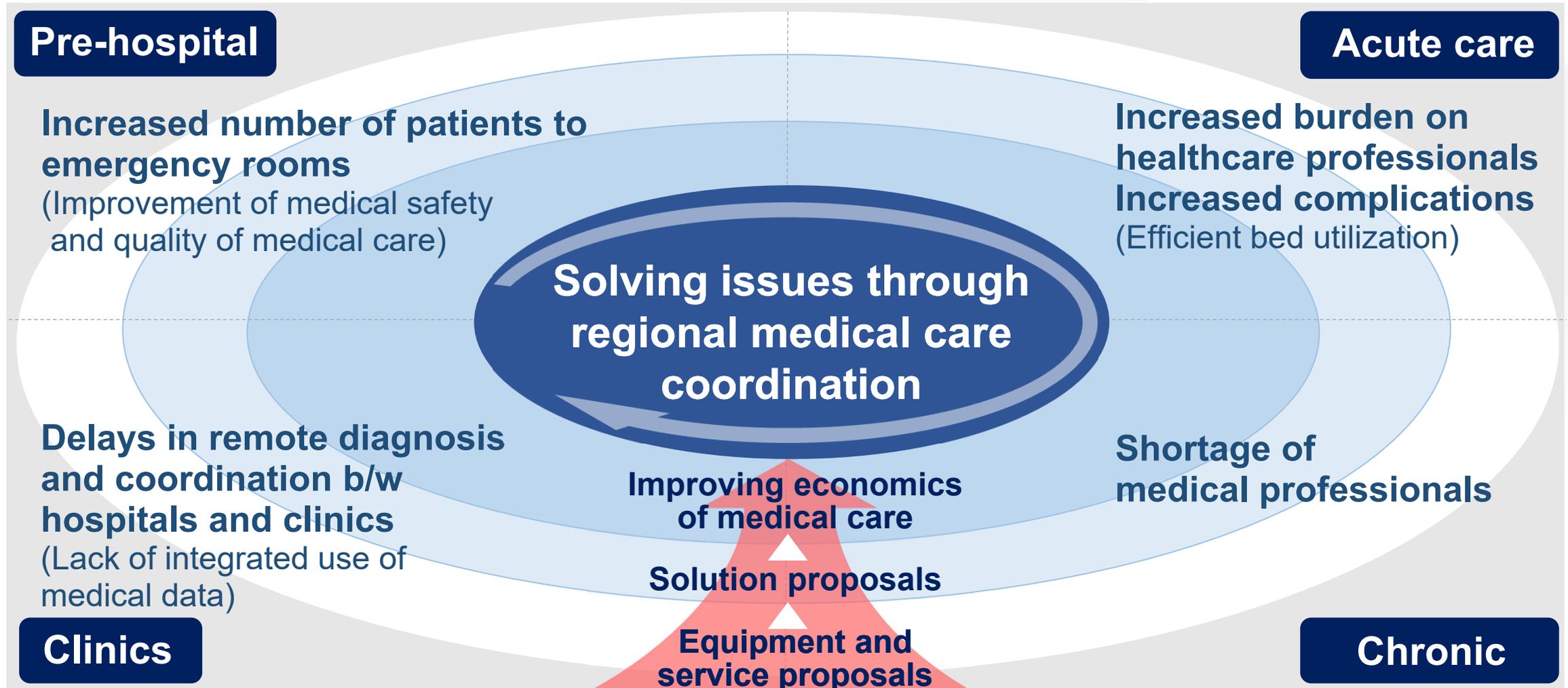
DHS Vision in Japan

Sales of ITS+DHS products in Japan



Medical issues and Nihon Kohden's solutions in Japan

Contributing to improving economics of medical care and resolving issues throughout the care cycle. Strengthening solution proposals mainly for IT systems and DHS*1 products



Providing data platform from medical devices with high market share



Pre-hospitals
(Emergency care)

AEDs Defibrillators

No.1 No.1

Providing data platforms to collect, store, and visualize real-time data obtained from medical devices



Examination rooms

EEGs ECGs

No.1 No.2

Diagnostic information systems No.1



Operating rooms

Wards

Patient monitors

Ventilators

No.1

No.2

Clinical information systems

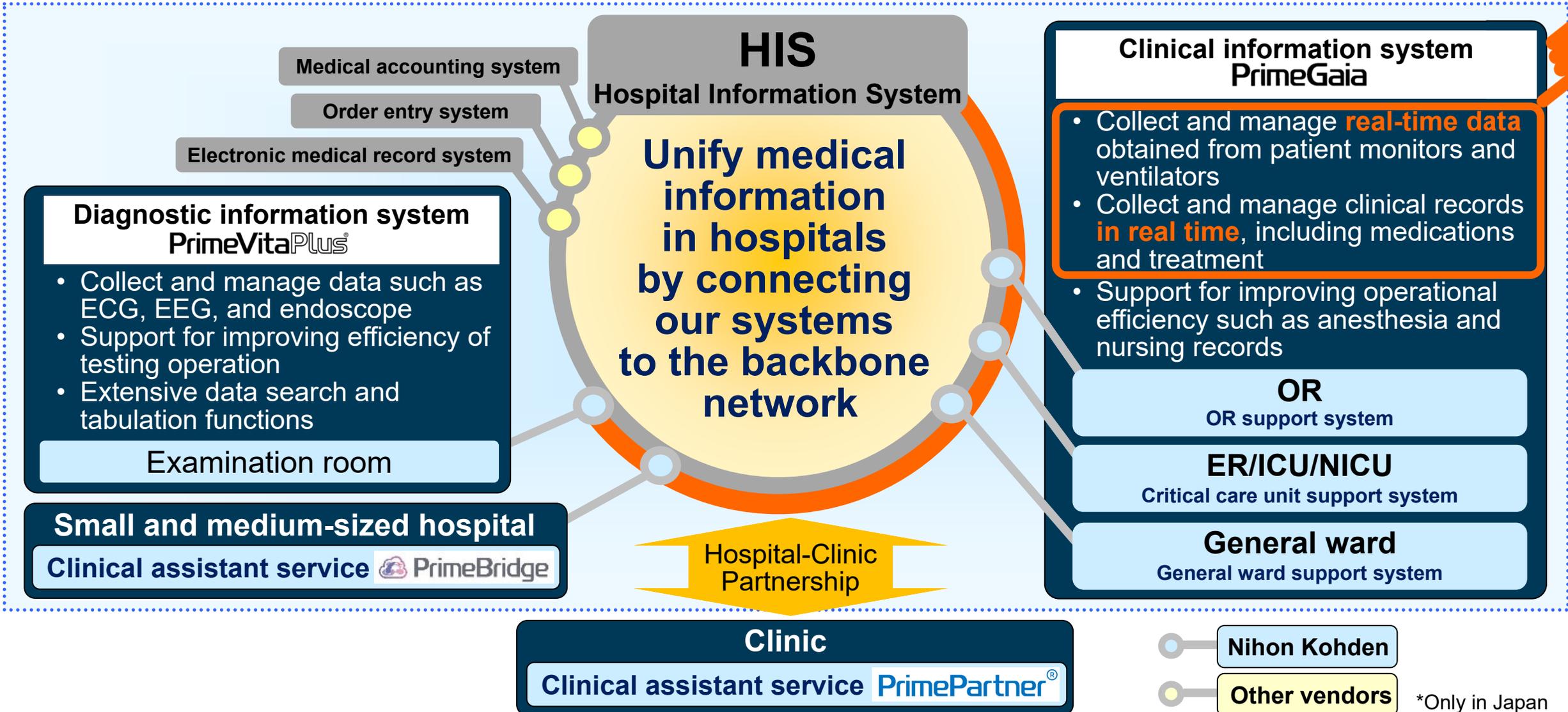
No.1

* Market share is in FY2024 (Yano Research Institute). Patient monitors market share by revenues, other markets share by unit shipments.

IT systems market share is the Company's estimate based on installations at DPC hospitals.

IT Solution Business

✓ Contributing to easing medical staff workload and improving the economics of medical care



*Only in Japan

DOWELL becomes consolidated subsidiary

(Acquired 90.3% shares in February 2026)

DOWELL Co., Ltd.



- Head office: Sapporo, Hokkaido, Japan
- Representative Director: Yoshihiro Shindo
- Establishment: 1996
- Business: R&D and sales of medical information systems, ISO/IEC 27001: 2013 certified
- Employees: Approx. 100
- Installation base: More than 300 facilities in Japan
- Future outlook: Minor effect in FY25
- Schedule: Planning to consolidate B/S in FY25 4Q and P/L in FY26 1Q
- Strengths: SEs deeply rooted in medical practice, strong R&D capabilities for IT systems, and capabilities to support medical staff especially in operating rooms

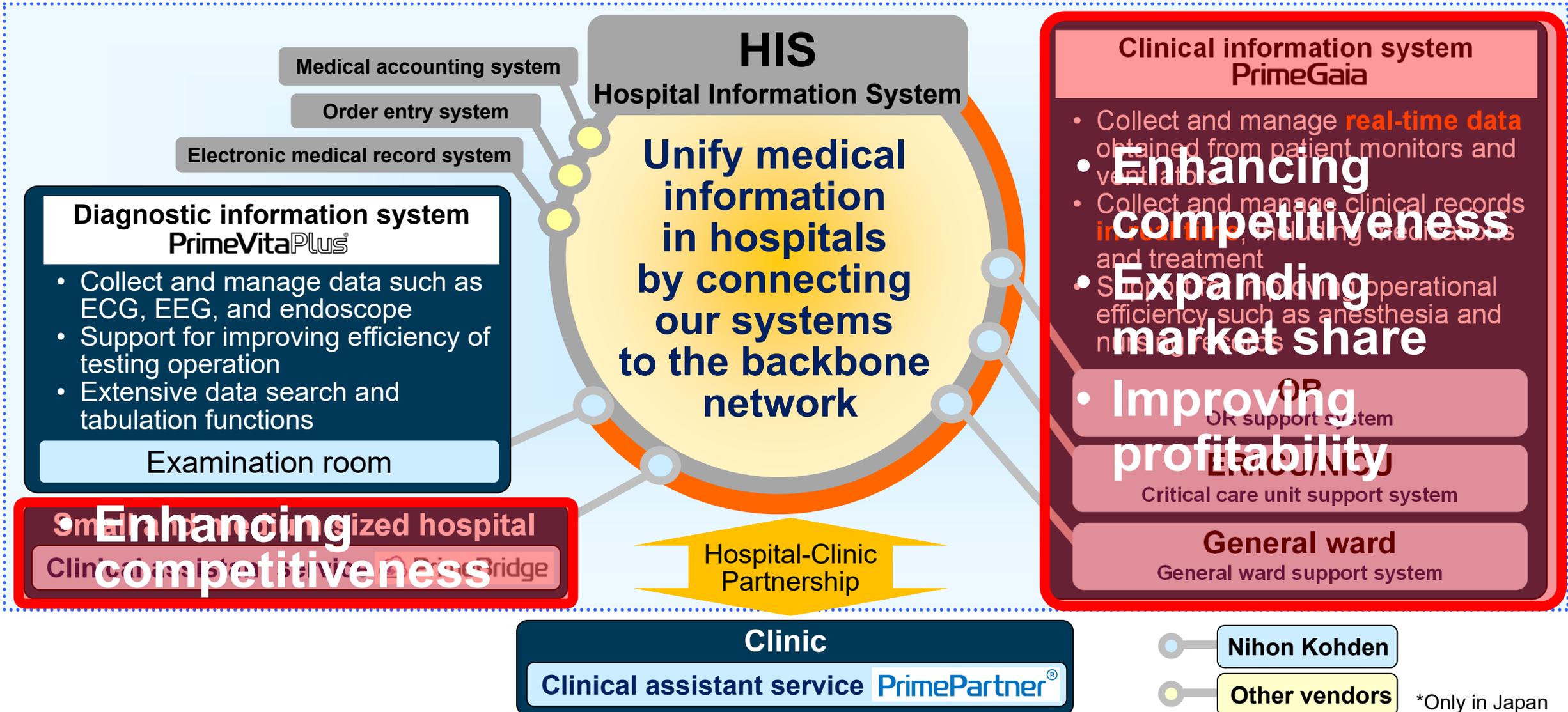
- **Main products:**
Perioperative management systems including anesthesia records, surgical scheduling and nursing records, telemedicine systems, and medical device management systems

- **High affinity with our Solution Business (ITS+DHS*)**
- **Contributing to enhancement of quality and economics of medical care** by delivering IT solutions that support enhanced data usage and greater operational efficiency in medical practice
- **Developing next-generation perioperative solutions** by combining both companies' original technologies and clinical expertise cultivated over the years with advanced technologies
- **Expanding our market share of patient monitors in operating rooms**

* ITS: IT Solution, DHS: Digital Health Solution.

IT Solution Business

✓ Contributing to easing medical staff workload and improving the economics of medical care



ITS + DHS: Clinical Support in Critical Care

DHS (Software/Apps)

Research support in critical care
(Planned)

Support for treatment decision-making based on patient's condition, treatment stage, and historical clinical data

Optimization of alarm management

- ✓ Patient-specific alarm settings

Optimization of patient condition monitoring

- ✓ Organ-based patient management (Neurological, Cardiovascular, Respiratory)
- ✓ Early Warning Scores (Detecting deterioration)

ITS (PrimeGaia)

Emergency input

Research

ER admission
ICU

Patient Management Support

Order Issuance

Aggregation

Order Execution

PrimeGaia + DHS

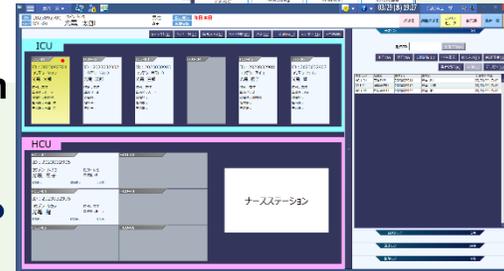
Collect and manage real-time data obtained from medical devices such as patient monitors*

- ✓ Waveforms
- ✓ Alarms
- ✓ Numerical data
- ✓ Settings

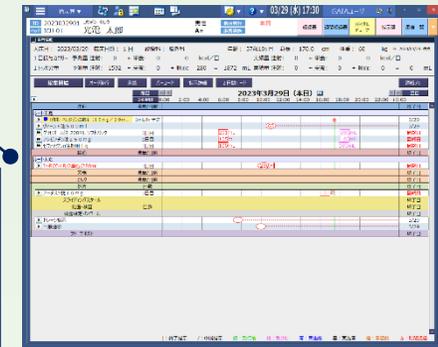
Collect and manage real-time clinical records and progress data* after ER/ICU admission

- ✓ Medications
- ✓ Treatment
- ✓ Fluid balance

* Key differentiators are high-value data not stored in EMRs



Patient List



Order List



Order List



Order Details



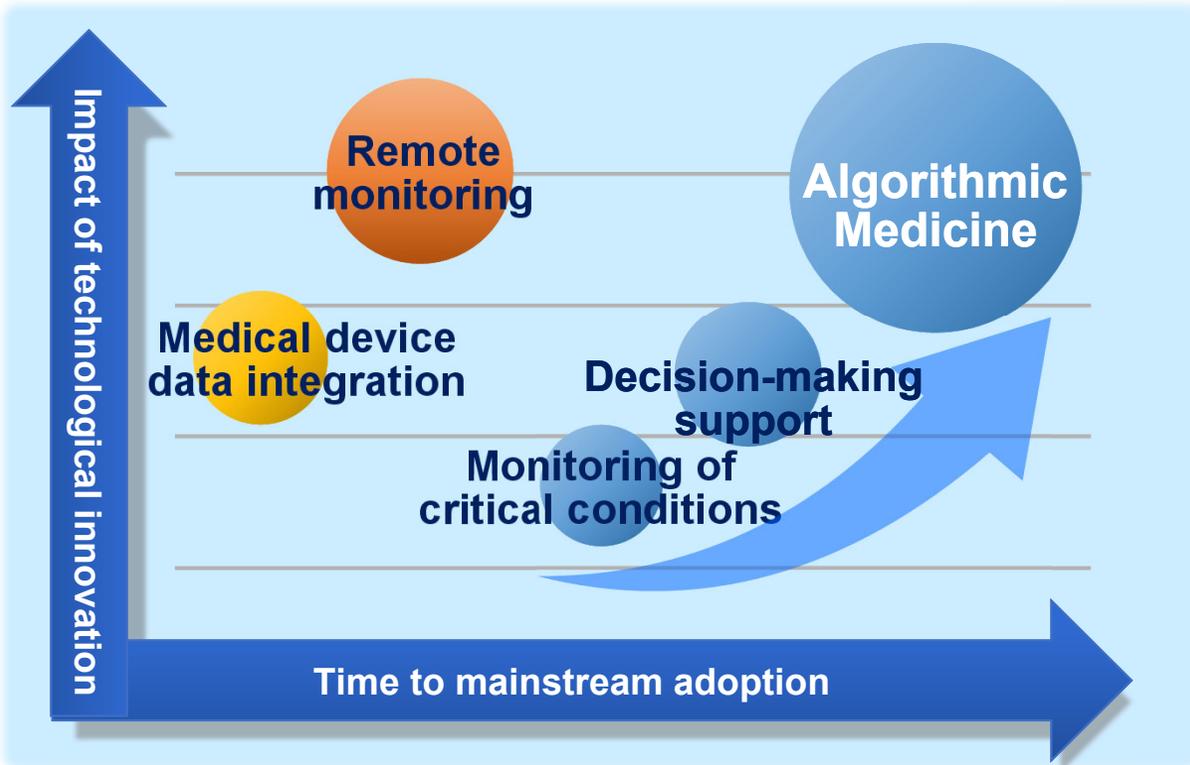
Overview of Nihon Kohden's DHS vision in Japan

- ✓ Investigating the creation of new customer value to solve medical issues in two areas: DHS Vision for Acute Care and DHS Vision for Regional Medical Care

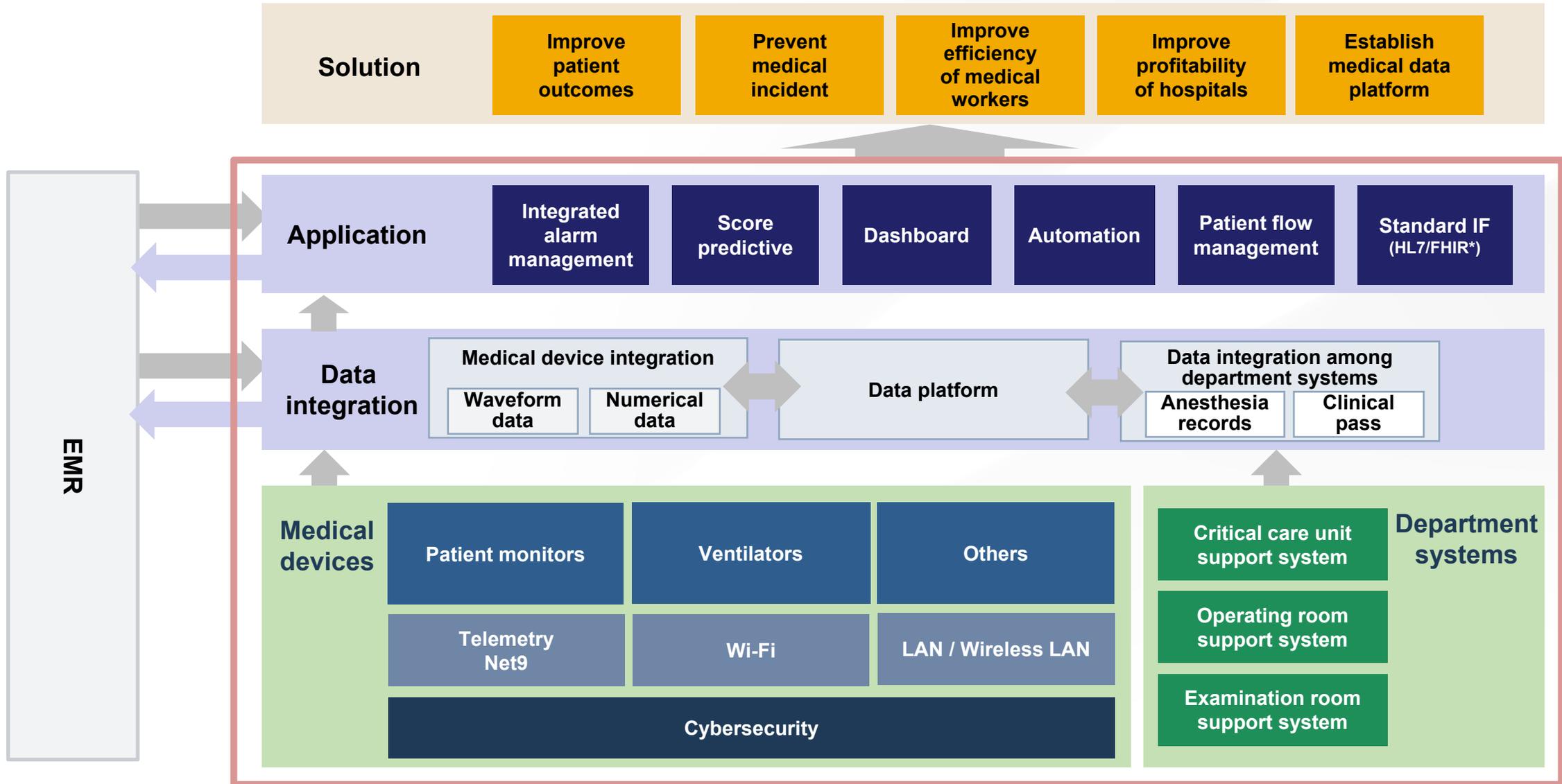
DHS Vision for Acute Care



DHS Vision for Regional Medical Care



Nihon Kohden Digital Health Platform



* HL7/Fast Healthcare Interoperability Resources are new standards and specifications for medical data exchange.

Phase II: Launching a series of 1st gen DHS products

FY2024

1) Dashboard software for monitoring patient condition for general wards



2) Dashboard software for monitoring patient condition for critical care units



FY2025

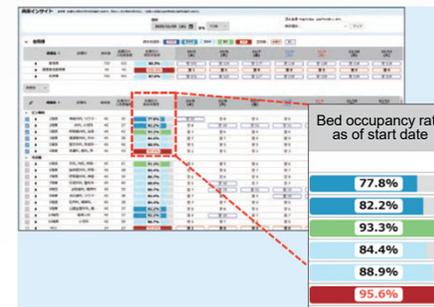
NEW!

3) On-site alarm analytics software



NEW!

4) Admission and discharge management software



5) Integrated dashboard for PFM centers*

Clinical information system
PrimeGaia

* Patient Flow Management centers manage bed utilization and patient intake by collecting and analyzing in-hospital data in real time.

1) Dashboard software for monitoring patient condition for general wards

Supporting early activation of RRS*1 in hospital by calculating and displaying EWS*2 based on patients' vital signs obtained from EMR

Reducing emergency calls in hospital

Preventing return to ICUs

Reducing length of hospital stay



一般 患者一覧

ユーザー: デモユーザSK ログアウト

VSI NEWS-Vital CSV出力 印刷 更新日時 2026/03/04 14:22 更新

フィルタ 17歳以下を表示する 振り向きモード 2日前 から 現在まで

VSI	変化傾向	病室-ベッド	診療科	患者ID 患者名	年齢 性別	Vital signs					コード	メモ	個人画面
						RR	SpO ₂	Temp	NIBP	HR			
5.0	→	6南 6S05-3		99907558 光電太郎0555	66 男性	7 9:30	86 9:30	27.0 9:30	130/99 9:30	130 9:30	D	🗨️	👤
3.2	↘	5西 5W03-4		99907840 光電太郎0837	66 男性	9 9:30	92 9:30	35.5 9:30	110/75 9:30	37 9:30	D	🗨️	👤
2.6	→	9東 9E10-3	形成外科	99907696 光電太郎0693	66 男性	18 9:30	90 9:30	37.3 9:30	130/101 9:30	130 9:30	○	🗨️	👤
1.4	→	7南 7S11-1	耳鼻咽喉科	99907277 光電太郎0274	66 女性	8 9:30	92 9:30	37.3 9:30	140/70 9:30	70 9:30	○	🗨️	👤
1.2	→	5西 5W01-2		19430101 患者 太郎	83 男性	22 9:30	94 9:30	37.1 9:30	110/90 9:30	58 9:30	○	🗨️	👤
1.2	→	5西 5W01-3	整形外科	20250926 光電 口口太郎	40 男性	22 9:30	94 9:30	37.1 9:30	110/90 9:30	58 9:30	○	🗨️	👤

*1 RRS: Rapid Response System is designed to detect and respond to signs of sudden deterioration in inpatient conditions.

*2 EWS: Early Warning Scores quantify patients' vital signs to identify acutely ill patients.

2) Dashboard software for monitoring patient condition for critical care units

- Displaying EWS*1, SOFA score*2, and vital signs clearly in the list
- Enables to review details of patients data obtained from EMR and clinical information systems by category

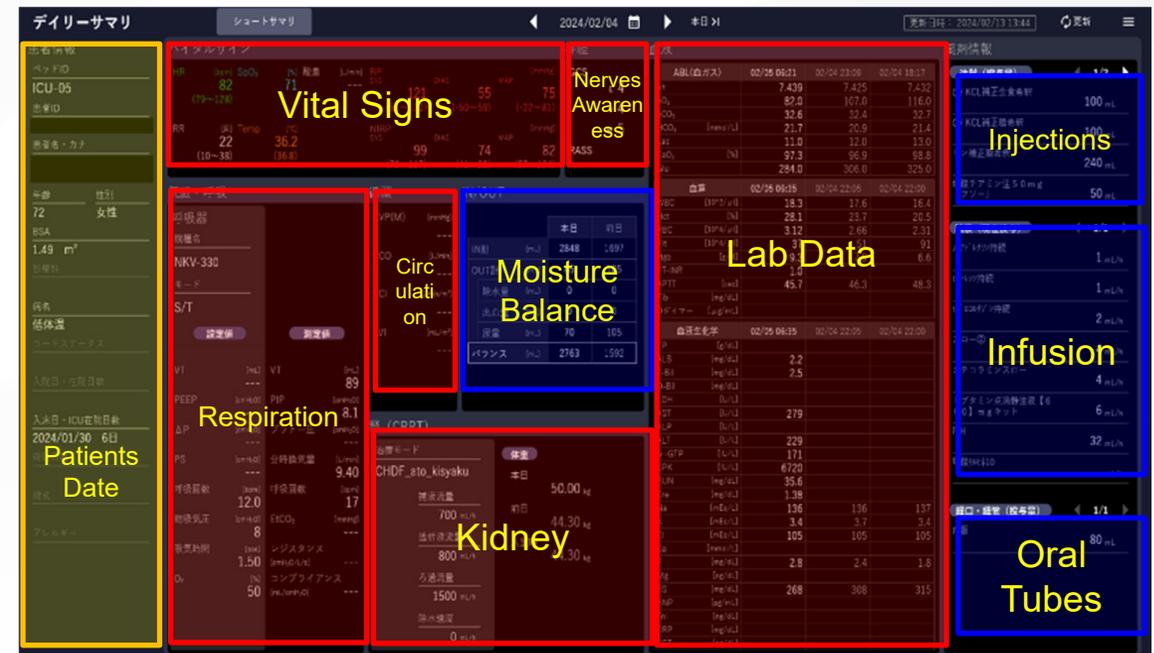
Improving patient outcomes by early intervention

Reducing length of hospital stay in ICU

SOFA EWS List of critically ill patients



Details for critically ill patients



*1 EWS: Early Warning Scores quantify patients' vital signs to identify acutely ill patients.

*2 SOFA: Sequential Organ Failure Assessment scores assess the degree of systemic organ dysfunction by scoring six variables: respiratory, coagulation, liver, cardiovascular, central nervous system, and renal function, each on a five-point scale.

Customer feedback

Do you feel it has contributed to improving the quality of medical care?

- We were able to reaffirm the importance of vital sign measurement because measurement rate in general wards was visualized.
- It enables early detection of deterioration in patients' conditions before RRS is activated, leading to improvement of the quality of medical care.

測定率	90%	95%	95%	90%	95%
	RR	SpO ₂	Temp	NIBP	HR
8	91	35.0	90/55	40	
0:00	1:00	1:00	1:00	1:00	
22	88	35.6	185/107	118	
8:00	9:00	9:00	9:00	9:00	
23	89	35.3	190/113	110	
8:00	9:00	9:00	9:00	9:00	

Do you feel it has contributed to easing medical staff workload?

- We have reduced the workload related to information sharing within the team thanks to a function that allows us to pin patients to a screen, enabling easy, quick, reliable sharing information about at-risk patients.

	病棟 病室-ベッド	診療科	患者ID 患者名
5.0	6東 03-02	血液内科	00000011 光電 藍
4.8	5東 01-04	整形外科	00000013 日本 卓也
4.4	5東 01-03	整形外科	00000010 所沢 花子

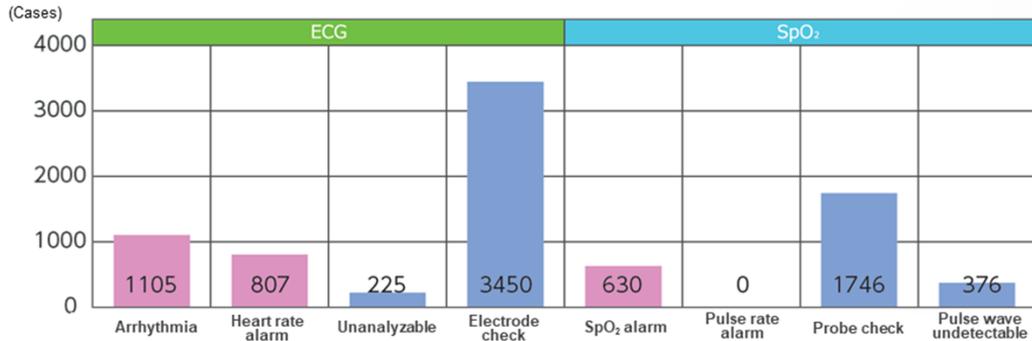
3) Alarm solution

As Is

Alarm report

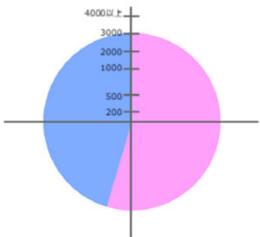
Proposing operational improvements using numbers and graphs based on alarm data collected and analyzed by service reps

* Number of new contract hospitals in FY2024: 177
(Target: 600 hospitals in Japan for 3 years)



Number of alarms per day

Number of alarms



Vital signs alarm ■ 29148件
 Technical alarm ■ 24237件
 Total ■ 53385件
 Per day 約 2669件
 Per hour 約 111.2件
 約 32秒に1件の割合で発生しています。

To Be

NEW!

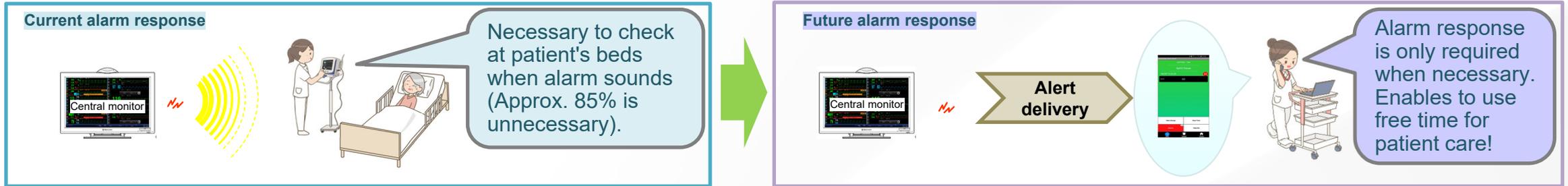
On-site alarm analytics software

Visualizing and analyzing **real-time** alarm status and causes for **each patient on-site**
Supporting advanced alarm management in clinical practice

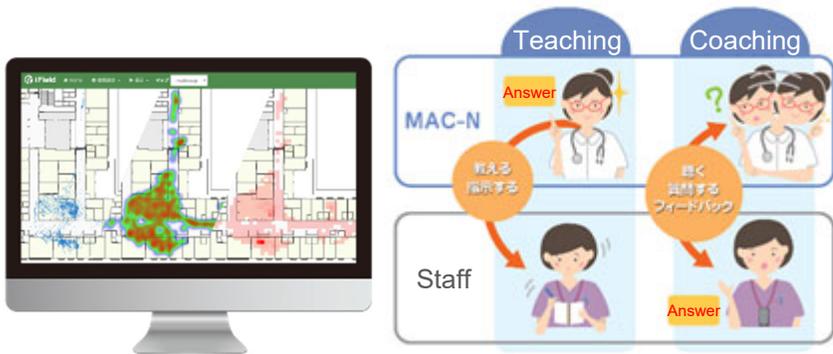


3) Alarm solution (Future plans)

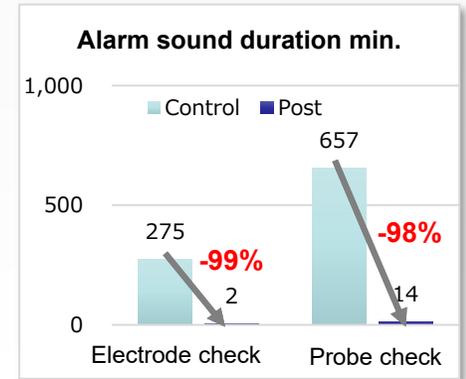
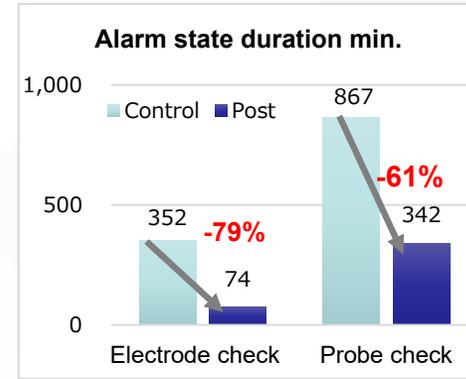
- R&D investment in improved alarm algorithms for patient monitors
- Consideration of specifications for distributed alerts and confirmation of effectiveness of implementation



■ Establishment of consulting methods for effective ward alarm management



Consulting contents



Reduce technical alarms effectively*

* Subjects: A total of 160 patients in four wards at one medical institution in Japan, before and eight months after consulting service, per ward per day.

4) Admission and discharge management software

NEW!

- Automatically acquiring, aggregating, and visualizing information necessary for hospital bed management in real time from EMRs
- Supporting hospital bed management by sharing information and clarifying criteria on admission, discharge, and transfer

Improving hospital bed occupancy rate

Optimizing length of hospital stay

Reducing length of hospital stay

Optimizing hospital management / Improving economics of medical care

病床インサイト 各病棟・診療科の病床利用状況を確認できます。特定の1日の病床利用状況と、7日間/14日間の空き病床数の推移を確認できます。

Hospital bed utilization rate, vacancy status

日付: 2025/11/27(木) から 1日間

▼全病棟 病床利用率: 空き多 空き中 空き少 満室

病棟名 ↑	診療科	病床数	起算日の入院患者数	起算日の緊急入院数	起算日のキープ数	起算日の病床利用率	合計空床数
急性期		720	599	3	1	83.2%	空 125
高度急性期病棟		40	36	0	0	90.0%	空 4
全病棟		760	635	3	1	83.6%	空 129

入退院スケジュール 特定の1日の入退院予定の一覧と予定の実施状況を表示します。各病棟/診療科と予定の実施状況で絞って表示できます。

Planned transfer of patients

日付: 2025/11/27(木) フィルタ: 未選択の場合、全条件を対象

種類: 病棟別 時間: 定額外

入院予定: 40人 転入予定: 42人

時間 ↑	病室ベッド	患者ID氏名	状態
13:35	1011 A	372787 小林 裕美子	実施済
13:41	208 D	535270 井上 篤司	実施済

ケアスケジュール 特定の1日の各病棟/診療科の院内移動を単一予定を一覧で表示します。予定の内容と実施状況を確認できます。

Events in hospital

日付: 2025/11/27(木) フィルタ: 未選択の場合、全条件を対象

種類: 病棟別 時間: 定額外 状態: 未選択

手術予定: 23人 治療予定: 1人

時刻 ↑	病棟名	患者ID氏名	状態
9:00	2階西	726648 山下 真穂	実施済
9:00	5階東	380629 山田 花子	実施済

患者プログレス 入院患者と退院の目安情報 (DPC期間など) を一覧で表示します。各病棟/診療科と退院の目安情報で患者を絞って表示できます。

Length of hospital stay Discharge schedule

フィルタ: 未選択の場合、全条件を対象

病棟: [] 診療科: [] DPC期間: []

DPC残日数: [] 入退院予定日数: [] 退院許可: []

検索結果 596 / 596 (全入院患者) DPC期間: I II III III超 対象外 未確定 期間: 少ない 超過

病棟	病室-ベッド ↑	診療科	患者ID氏名	年齢性別	病名	入院日	退院予定日	在院日数	DPC期間	入退院予定日数	感染症	退院許可	退院日
6階東	605-A	脳神経外科	537844 田中 裕美子	58 女	非外傷性硬膜下血腫	1月12日	2月3日	37日	III 残り 23日	超過 14日	---	---	---
6階東	605-B	脳神経外科	470366 山崎 幹	73 女	脳血管障害	2月12日	2月21日	6日	II 残り 4日	残り 4日	---	---	---

5) Nihon Kohden's unique solutions for PFM center

NEW!

Aggregating surgical status, hospital bed availability, patient condition, and alarm occurrence status at PFM center* in the hospital

Improving outcomes with appropriate patient management

Improving economics of medical care by improving hospital bed occupancy rate

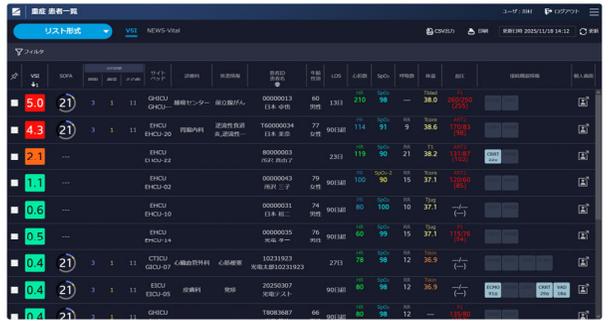


* Patient Flow Management centers manage bed utilization and patient intake by collecting and analyzing in-hospital data in real time.

(1) Surgical status (PrimeGaia)



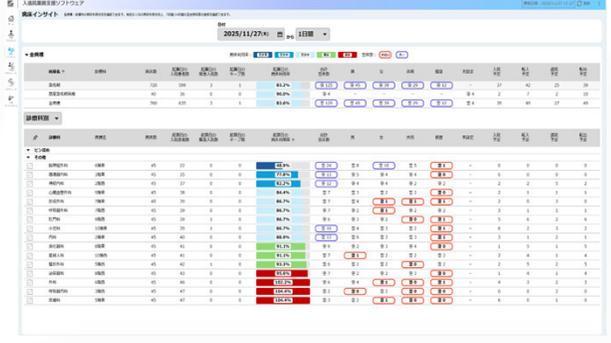
(2) Monitoring patient condition for critical care units



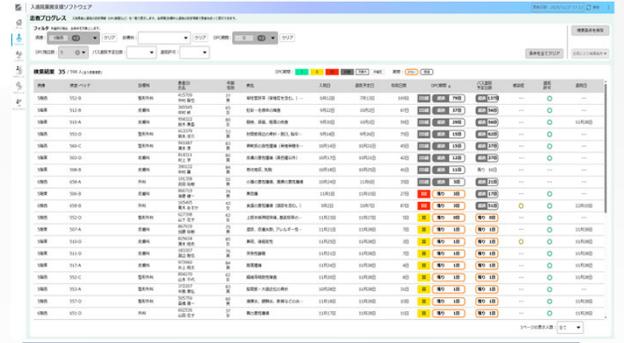
(3) Monitoring patient condition for general wards



(4) Hospital bed availability (Admission and discharge management)



(5) Patient progress*1 DPC*2 length of admission



(6) Ward alarm occurrence status



*1 Patient progress: patient's length of stay in hospital, DPC period, and expected number of days until discharge from clinical pass.

*2 DPC: Diagnosis Procedure Combination is comprehensive evaluation based on medical treatment group classification.

Support sustainable and staff-friendly hospital management

Patient Flow Management

Management Index

Field Index

Maximizing
bed utilization

Reducing staff
workload and
patient risk

Improving on both wheels

Sustainable and staff-friendly hospital management

Digital Health Solution

Ambulances

Remote triage*¹

ERs

Examination
rooms

Testing support

Robotic anesthesia/
Anesthesia management/
Operating room
management/

ORs

Critically ill patients
management/
Circulation and
respiratory management/
Neurocritical Care

ICUs

Wards

Ward patient management/
Alarm management

Clinics/
Regional
hospitals

Discharge support*²

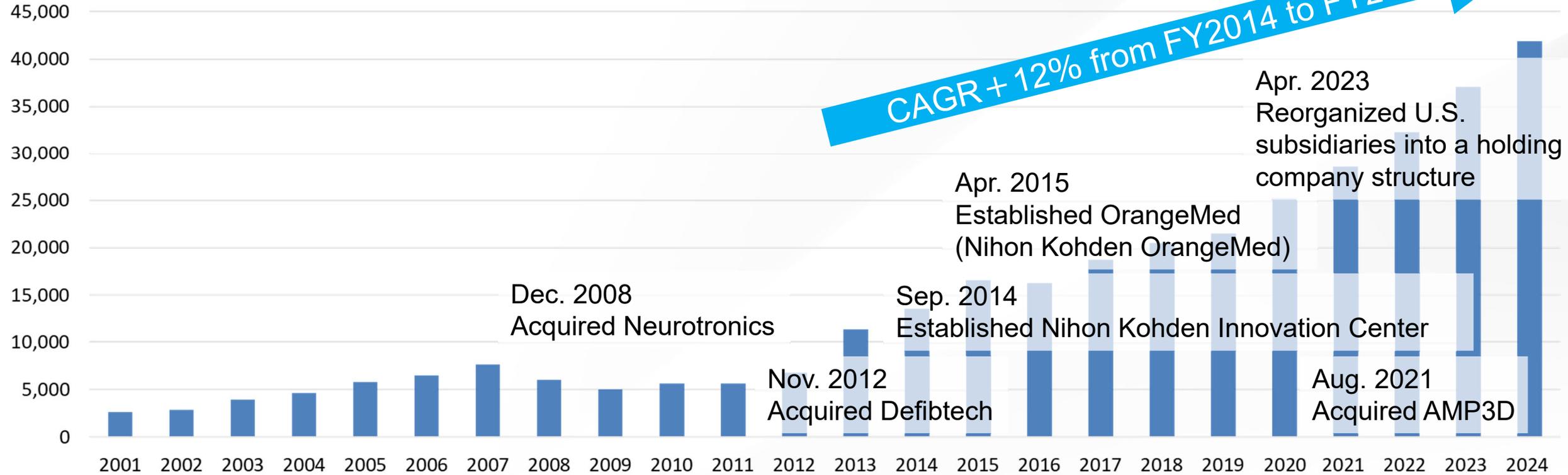
PFM
center

Visualizing
hospital bed
management

DHS Vision in North America

Sales in North America

(millions of yen)



CAGR + 12% from FY2014 to FY2024

Nov. 1979 Established Nihon Kohden America

Sep. 1999 Established NKUS Lab
(Nihon Kohden Digital Health Solutions)

Nov. 2024
Acquired Ad-Tech

(FY)

Sales composition by product category

(FY2024 1H ⇒ FY2025 1H)



Automated External Defibrillators



Automated Chest Compression Devices



Ventilators

Treatment Equipment
24% ⇒ 26%



Home Sleep Recorder

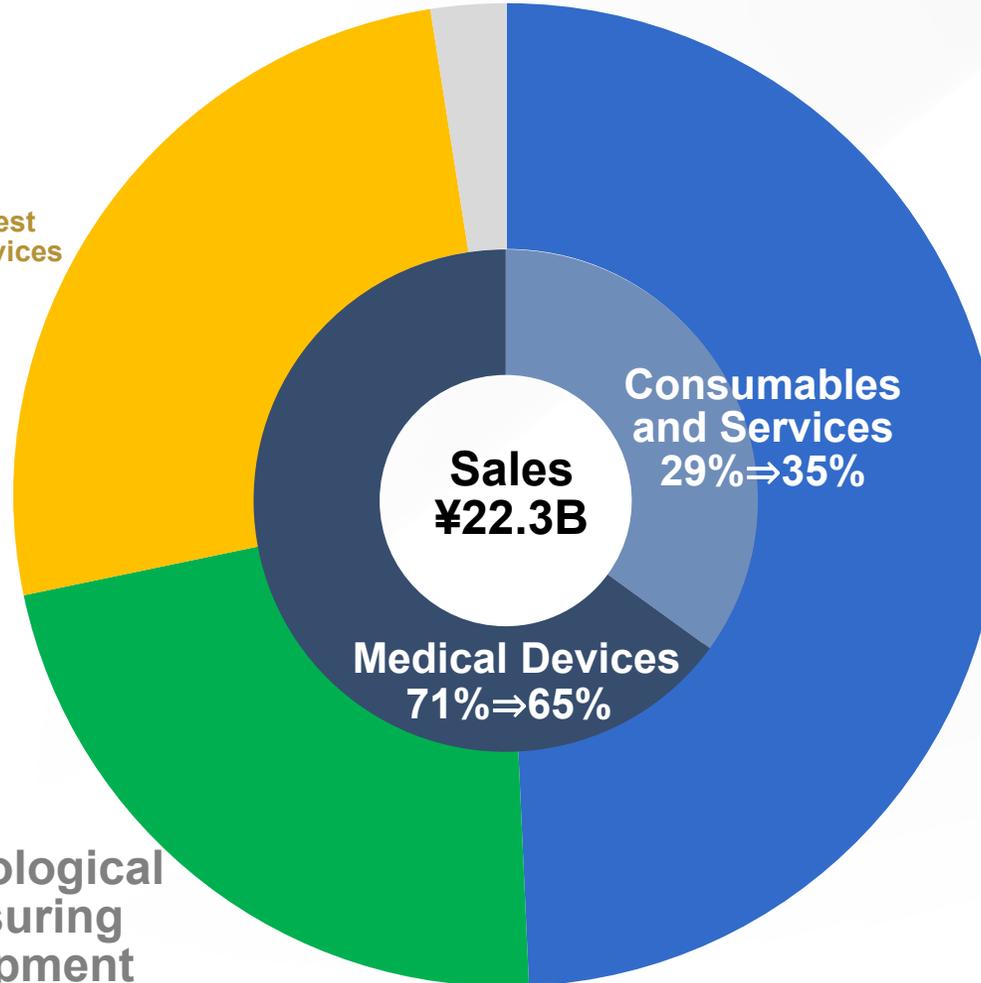


EEG Headset



EMG electrodes for neuromuscular monitoring

Physiological Measuring Equipment
12% ⇒ 22%



Bedside Monitors



SpO₂ Probe

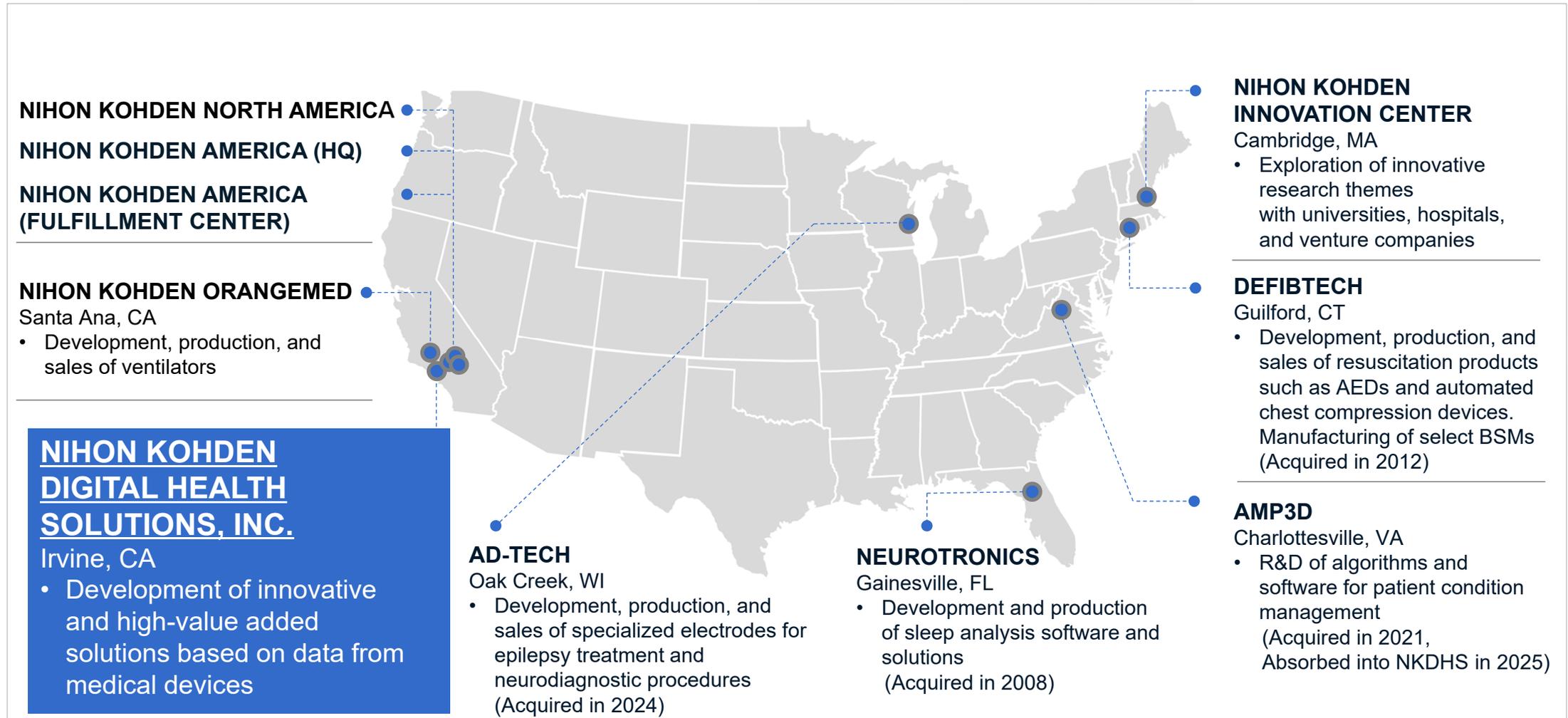
Patient Monitors
63% ⇒ 49%

DHS products = 9%
(of patient monitoring)

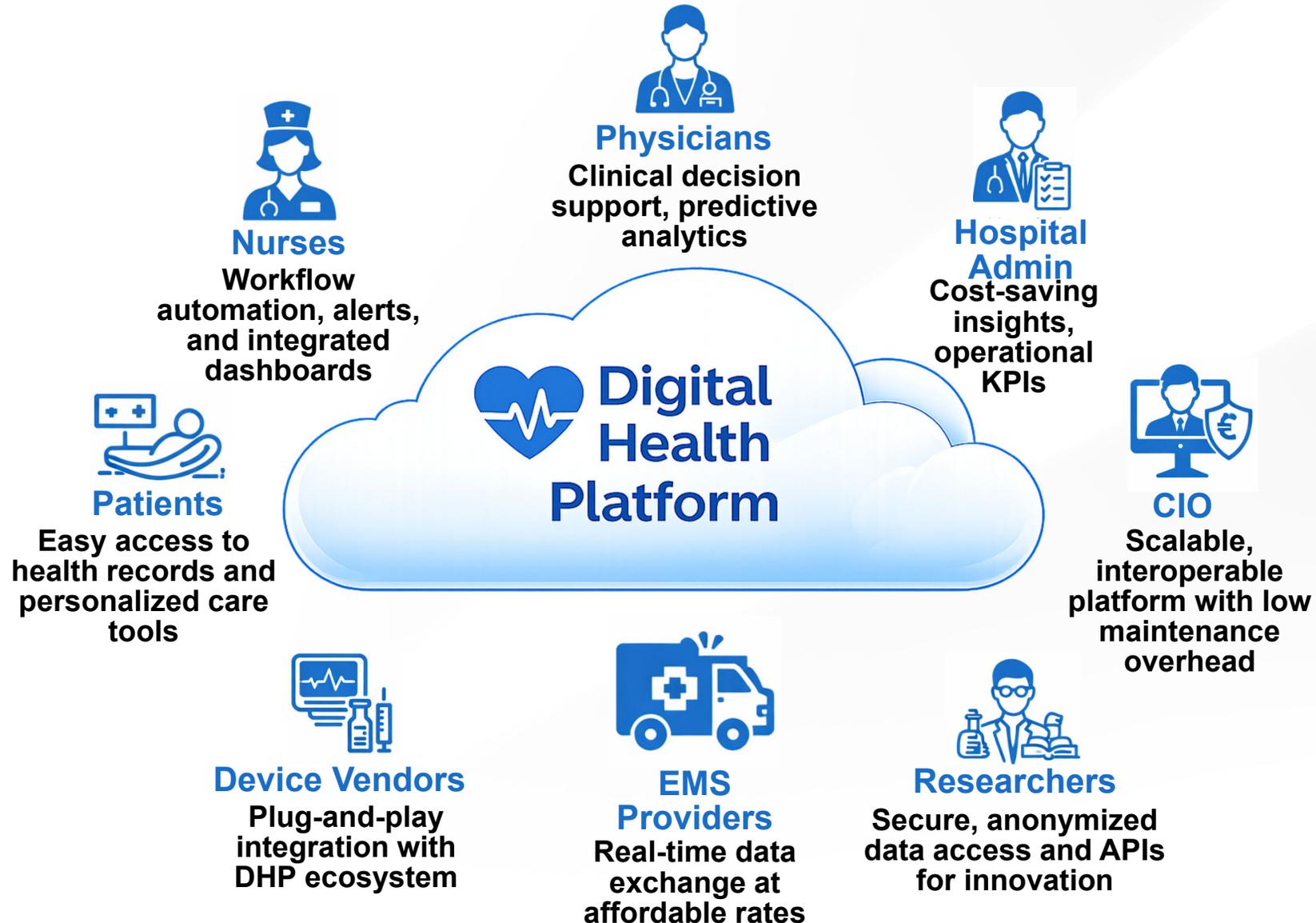


Driving innovation across the U.S.

U.S. R&D and Engineering Centers



Multisided platform with DHS as the core



North America healthcare challenges

Understanding hospital challenges to deliver meaningful solutions

PATIENT CARE CHALLENGES

- Rising **patient care complexity**
- **Access** and equity issues
- **Siloed data** limits real-time insights



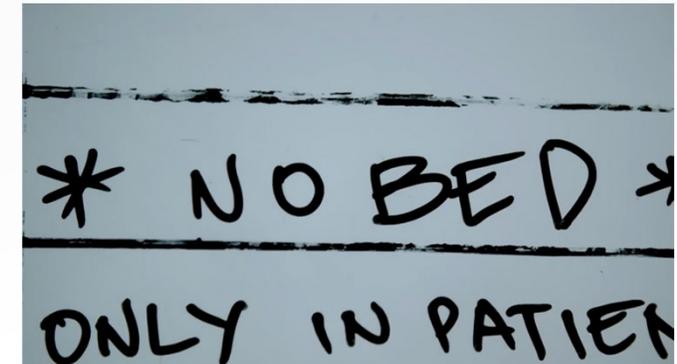
OPERATIONAL CHALLENGES

- **Workforce** shortages and burnout
- Technology **integration** challenges
- **Cybersecurity** threats



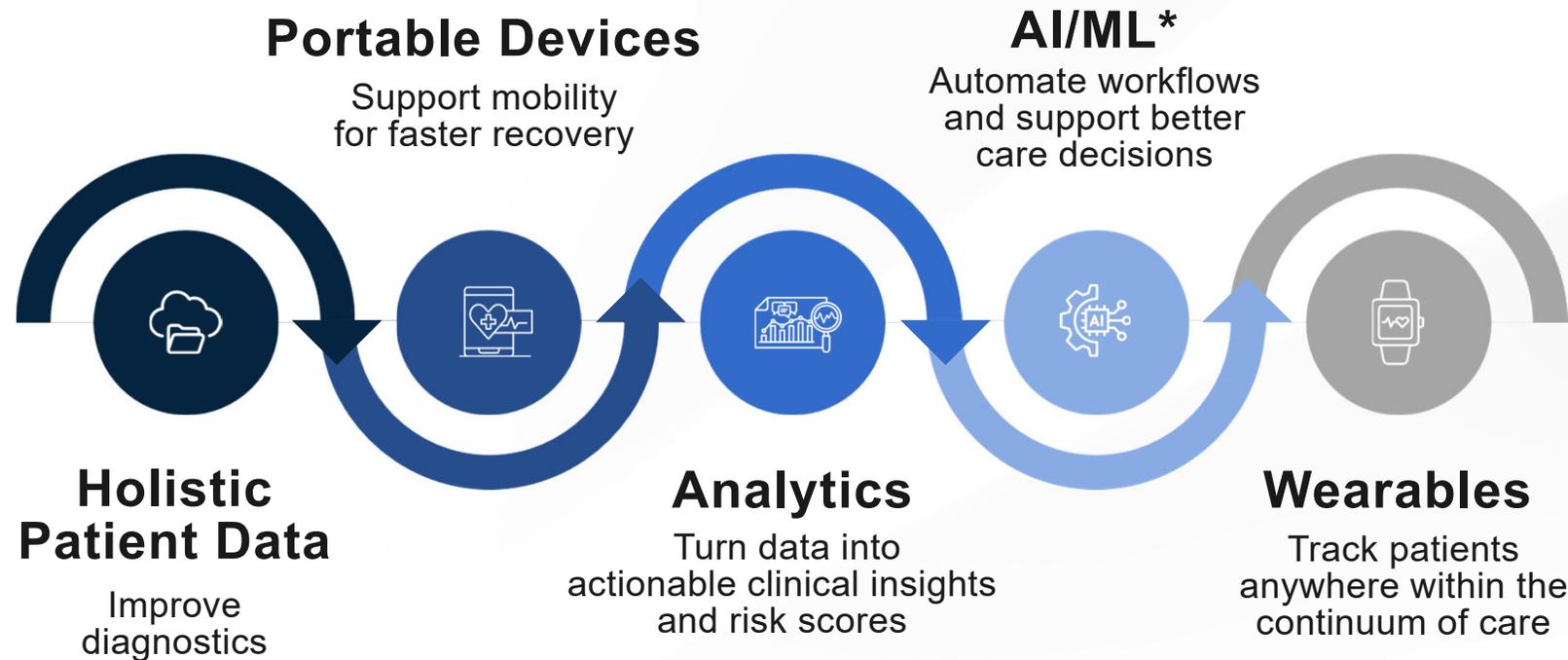
FINANCIAL CHALLENGES

- **Escalating** healthcare costs
- **Reduced** reimbursement rates
- Potential **cost pressure** from **tariffs**



Turning challenges into opportunities

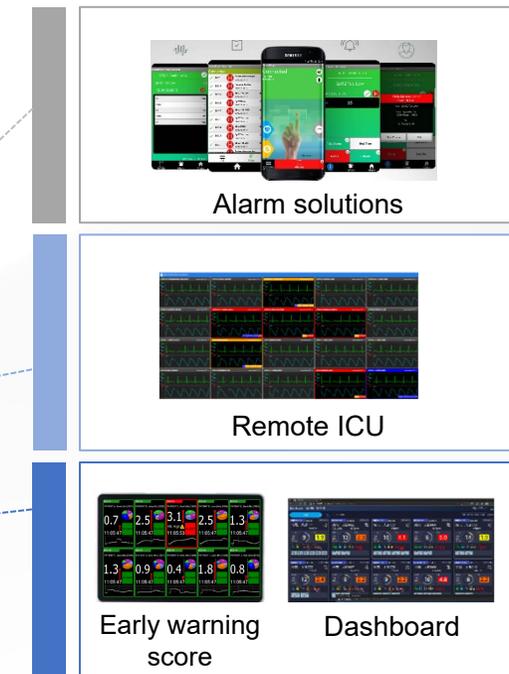
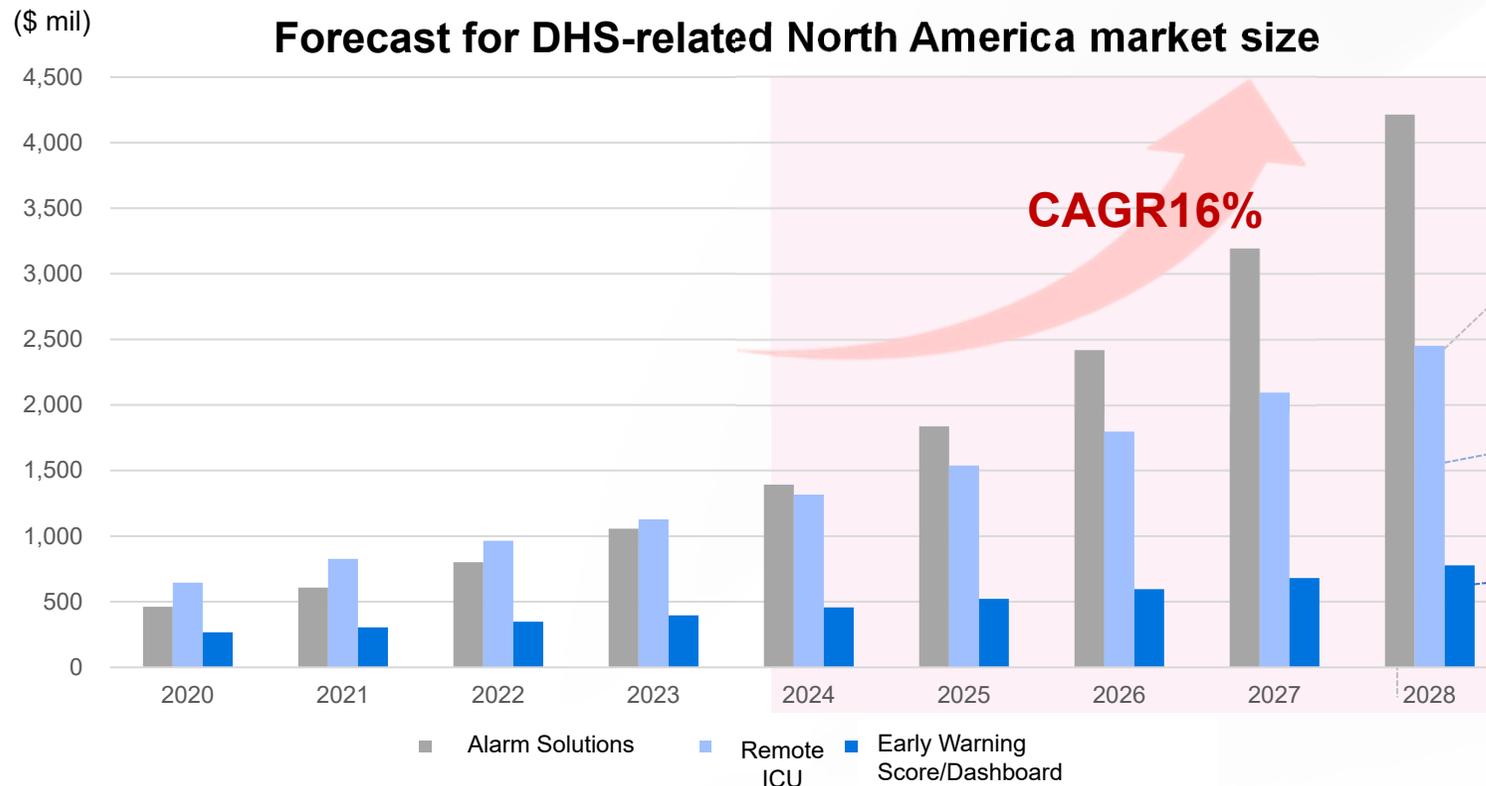
Our innovation roadmap to support continuous, intelligent care



Meeting these opportunities requires **innovation, trust, and partnership** — core values that drive Nihon Kohden's approach.

Market demand for DHS expected to remain strong

DHS products such as Alarm Solutions, Remote ICU, and Early Warning Score and Dashboard in North America



Sources:

The Company's estimate based on Markets and Markets's report: CLINICAL RISK GROUPING SOLUTIONS MARKET BY PRODUCT (2017-2024), CLINICAL ALARM MANAGEMENT MARKET BY COMPONENT (2016-2023), and Mordor Intelligence's report: GLOBAL TELE INTENSIVE CARE UNIT MARKET (2021-2026).

Holistic real-time patient data solutions

Interconnected solutions to address the most critical challenges

Patient Monitoring

Complete physiological monitoring, integrated across old and new systems



Digital Health Solutions

Interconnecting core solutions — to improve care, cost, and workflows



Ventilation

Full suite of respiratory solutions – invasive and non-invasive



Consumables

Reliable sensors and accessories for consistent care



Neurology

Comprehensive brain monitoring and diagnostics



Innovative, relevant solutions



**Improve Patient Outcomes
and Reduce Adverse Events**



**Control Costs
and Grow Health System Profitability**



Smart Devices

Clinical decision support from augmented intelligence and closed-loop systems, to drive efficiencies and support decision-making



Expanded Portfolio

Meaningful solutions (HW, SW, Services) and breakthrough technologies across the continuum of care



Patient-Centricity

Mobility of patients, personalized data; Acquire, view, and assess holistic patient data anywhere with minimized hardware footprint



Connectivity

Continuous, expanded care ecosystem solutions; Remote monitoring, wearable sensors, hospital at home



Optimization

Automation and machine learning to increase operational efficiencies without compromising quality of care



One Platform. More Value

 Improve Patient Outcomes
and Reduce Adverse Events

 Control Costs
and Grow Health System Profitability

Augmented Intelligence

Identify
risk sooner,
optimize care

Decision
Support

Risk Scores

Alarm
Management

Automation /
Optimization

Research
Tools

Dashboards

Nihon Kohden Digital Health Platform

Simplify patient
data acquisition
& utilization

DIGITAL HEALTH
PLATFORM (DHP)

Medical Device Integration

Remote
Monitoring

Waveform Data

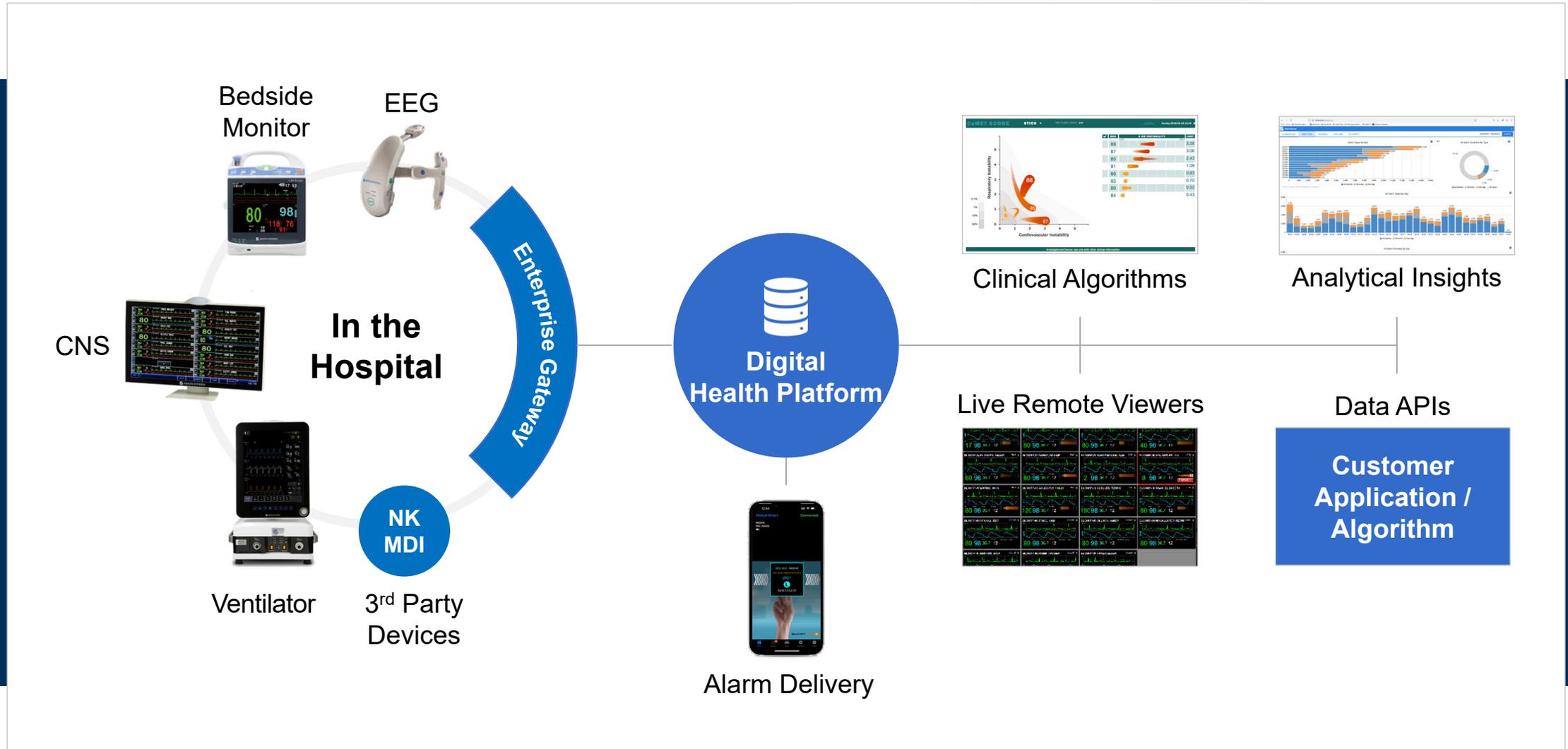
Numerical Data

Data Sources

Liberate the
power of medical
device data



DIGITAL HEALTH ECOSYSTEM

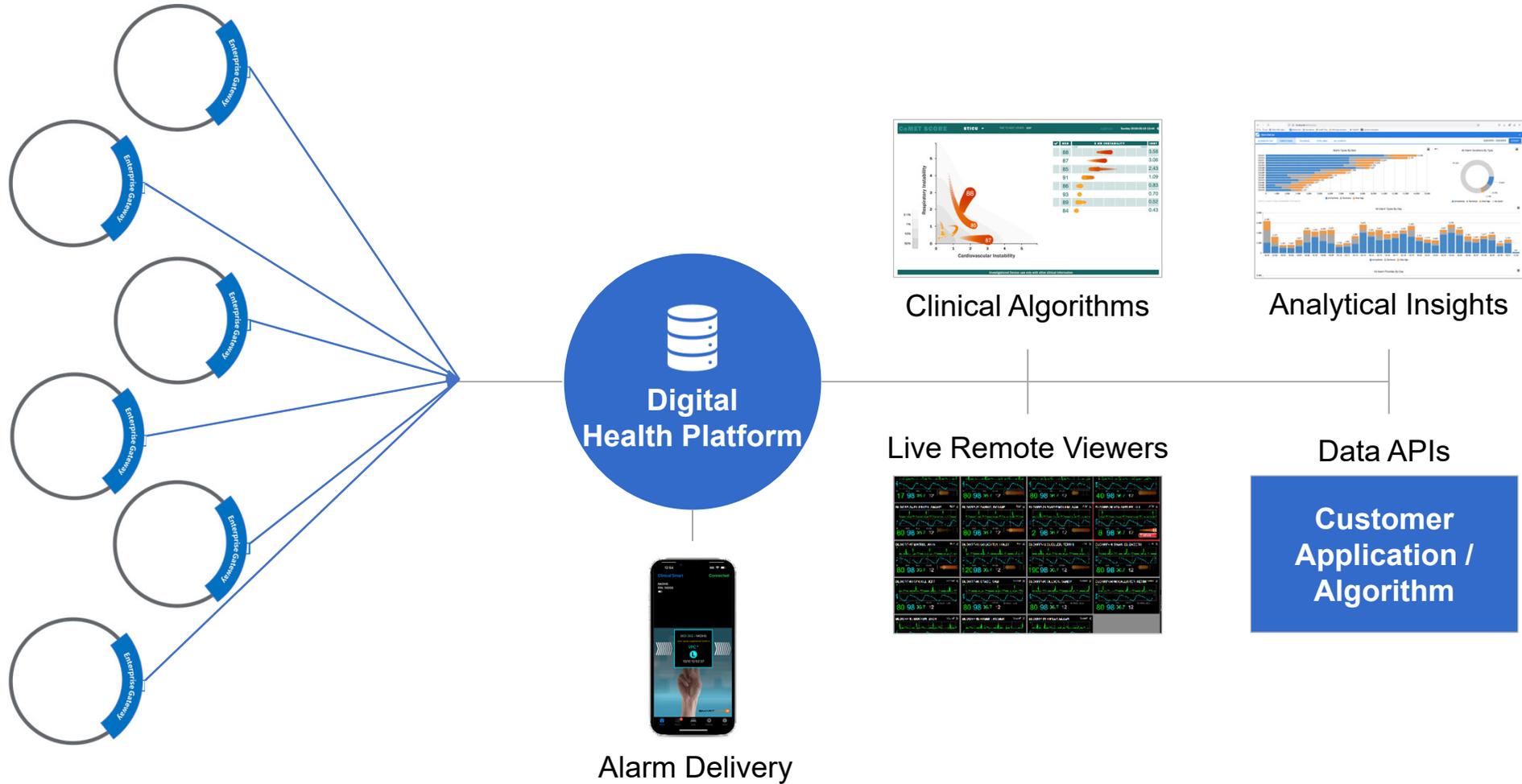


* MDI: Medical Device Integration, API: Application Programming Interface

DIGITAL HEALTH ECOSYSTEM

Enterprise Level Monitoring

Multiple hospitals one DHP



DIGITAL HEALTH PLATFORM

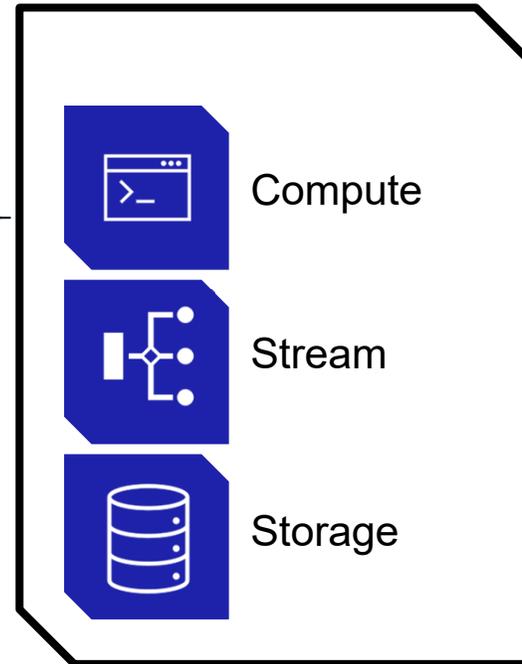
Built to Work with What You Already Use

Data Sources

-  Patient Monitors
-  Neurology
-  Ventilators
-  EHR
-  3rd Party Data Feeds

Feeds from Multiple Hospitals

Digital Health Platform (DHP)



One Enterprise Platform

Digital Health Applications

-  RemoteSense
-  AlarmSense
-  Predictive Analytics
-  Consolidated Data Output
-  Workflow Integration

AI-Powered Insights

RemoteSense

Expanding Remote Monitoring

- Supports ADT workflow and alarm silencing
- Send waveform snippets directly to EMR

- Monitor up to 48 patients across multiple hospitals from anywhere

- Internet accessible live display of vitals & waveforms

The image displays the RemoteSense mobile application interface. On the left, a grid of 20 patient monitors is visible, each showing vital signs and waveforms for different patients. The central panel shows a detailed view of a patient's vitals and waveforms. The patient is identified as MICU28 GOROBO, TAKASHI, Hospital B, with ID NKcf8f684220d328e514 and date of birth 03/13/1903. The vitals section shows HR 58, SpO2 97, Temp --, and ART --. The waveforms section shows a heart rate waveform and a SpO2 waveform. The right panel shows a configuration menu for the patient's monitoring, including options for Sort By (Time: Newest to Oldest), Choose Priorities (Crisis, Warning, Advisory, Unknown), Choose Event Names (Enter Event Name), Choose Event Type (Vital Sign, Arrhythmia, Technical, Arrhythmia Recall), and Choose Time (Select Start Date, Enter Start Time (hh:mm)).

Key Characteristics of DHP for AI/ML

Unifying Data

Device Agnostic:

Medical Device and EMR Data Integration

Live: Secure / Scalable / Reusable:

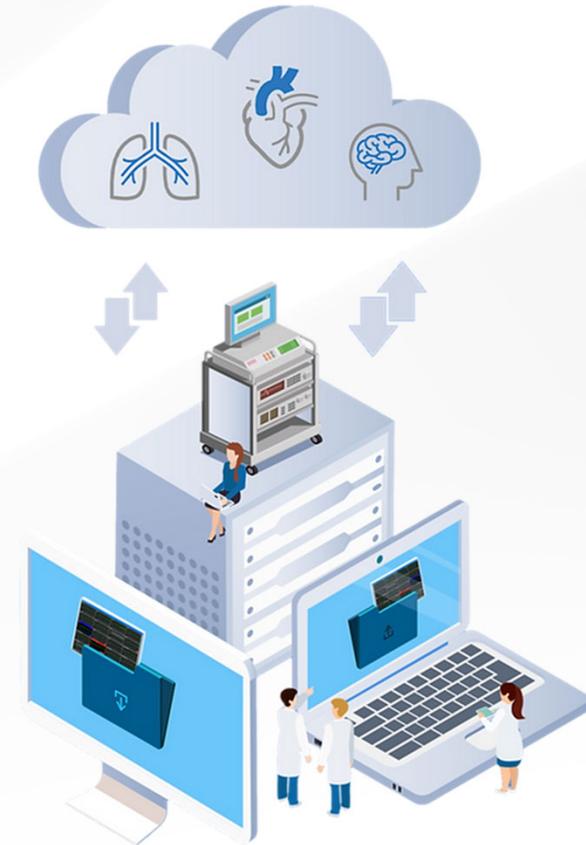
Capable of streaming subscribed Live data

Accessible:

Secure, Accessible and Patient Centric Data
Repository

Non-proprietary efficient format

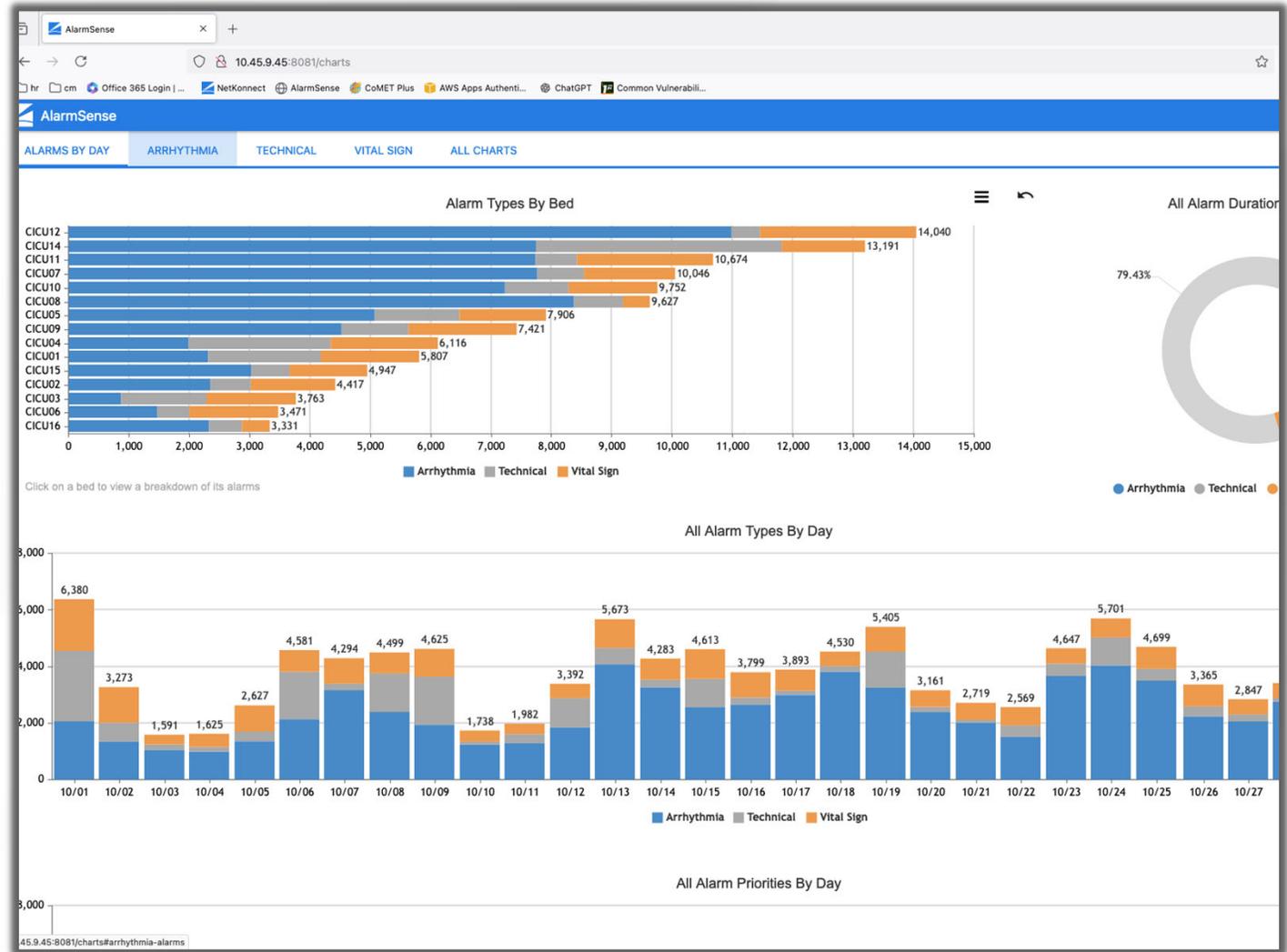
Highly accessible



AlarmSense

Reducing Alarm Fatigue

- Web-based application that uses DHP data from any bedside or telemetry monitor
- Visualizes alarm trends by unit, bed, or time, categorized by alarm type
- Simulates the impact of changing thresholds and delays—without affecting live systems
- Exports insights in PDF, CSV, PNG, or JPEG formats for review and collaboration
- Supports data-driven decisions to reduce non-actionable alarms and improve patient safety
- Enables quality and clinical teams to identify high-alarm areas and optimize alarm settings



CoMET

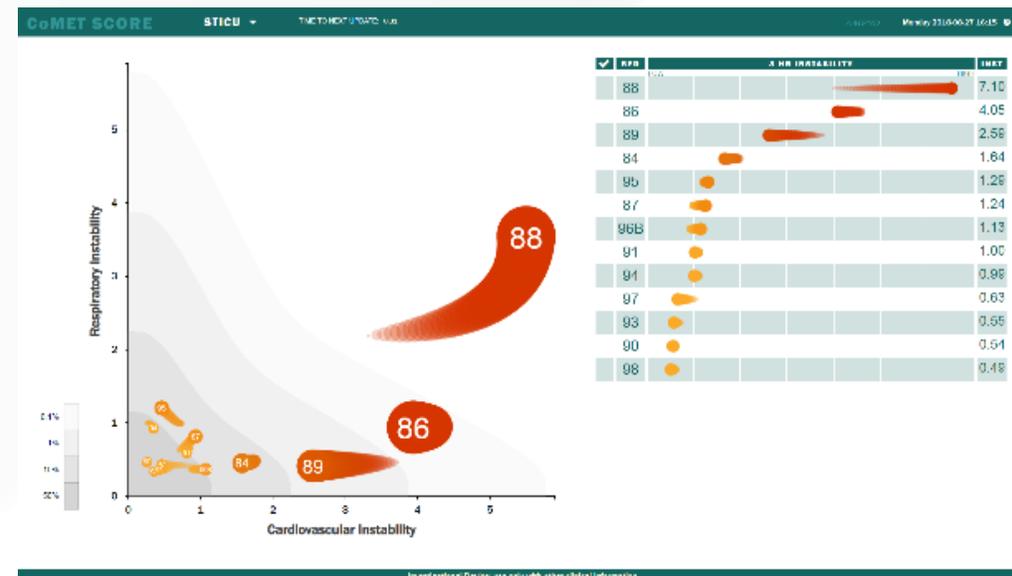
Predicting the Future

CoMET is certified in

- Brazil
- Singapore

CoMET supports prediction of following conditions

- Hemorrhage
- Unplanned Intubation
- Sepsis
- ICU Transfer
- Mortality



Feb 05 08:39 EST

498 JOHN DOE 5.91

47 JANE DOE 3.74

45A JOHN DOE 2.02

46 JANE DOE 1.12

Cardiovascular Cardiorespiratory

Relative Instability

CoMET®

This milestone reinforces our dedication to delivering trusted, regulatory-compliant solutions for the healthcare industry.

NIHON KOHDEN

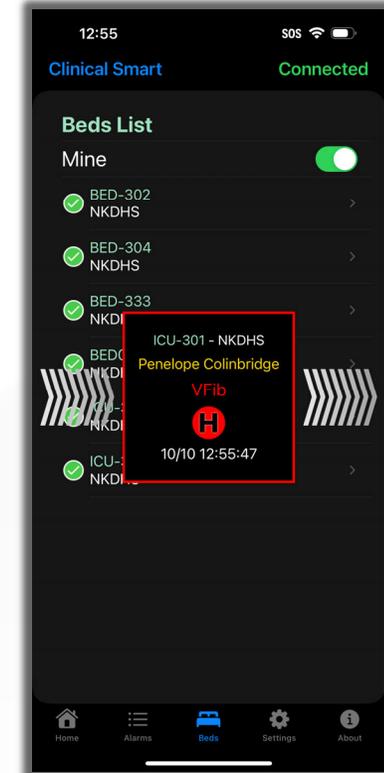
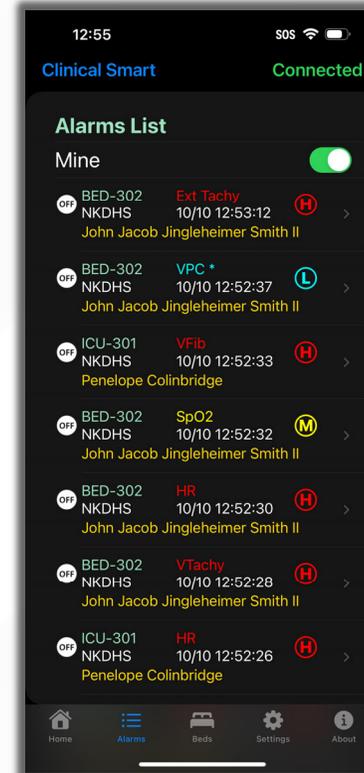
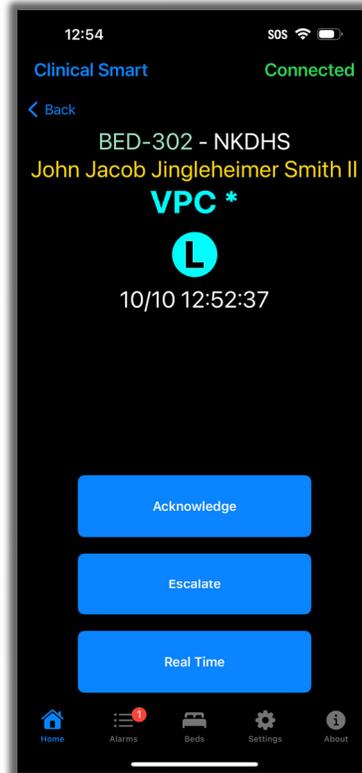
CoMET® has received **ANVISA Certification**

Contact US
Nihon Kohden Digital Health Solutions

www.digitalhealthsolutions.com contact_DHS@nihonkohden.com (949) 474-9207

Clinical Smart

Efficient Alarm Delivery



Configurable rules engine allows hospitals to create rules for Alerts

Deliver alerts directly to clinician cell phones

Thought Leadership

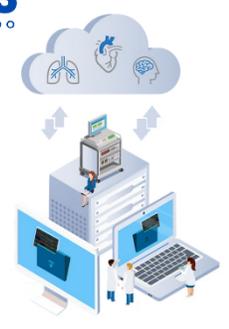
Author Papers,
Speak at conferences,
Lead the conversation

BMES 2025

Scalable Real-Time Deployment of Predictive Algorithms Using Continuous Cardiorespiratory Monitoring Data

San Diego, CA
 ▶ Friday, October 10, 2025
 ▶ 4:30pm
 ▶ Room 33A

Demo Now
www.digitalhealthsolutions.com



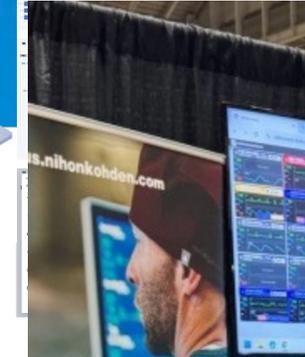
NIHON KOHDEN 5th Annual Medical Device Software Development Summit

Challenges we covered for AI/ML Model Development

- Validation
- Compliance
- Testing
- Accuracy

[Request a Demo](#)

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- [3] P. R. Harris et al., "Patient characteristics associated with false arrhythmia alarms in intensive care," *Thrombosis and Clinical Risk Management*, pp. 499–513, 2017.
- [4] B. J. Drew et al., "Insights into the problem of alarm fatigue with physiologic monitor devices: A comprehensive observational study of consecutive intensive care unit patients," *PoCS one*, vol. 9, no. 10, e110274, 2014.
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AMIA 2025

ENABLING SCALABLE PREDICTIVE MONITORING AND ALARM ANALYTICS VIA A LIVE PLATFORM FOR PROCESSING CONTINUOUS CARDIORESPIRATORY MONITORING DATA

Date: November 17
International Ballroom 5:45pm-7PM
Location: Atlanta, GA

This work exemplifies the potential of interdisciplinary collaboration.

Uniting clinical expertise, AI, and translational science to reshape the future of healthcare delivery.

[Learn More](#)

More Information: www.digitalhealthsolutions.com

Children's Healthcare of Atlanta

EMORY

NELL HODGSON WOODRUFF SCHOOL OF NURSING

NIHON KOHDEN AAMI eXchange 2025

Challenges on Clinical Integration we covered

- Common Infrastructure
- Risk Indication
- Collaboration
- Inteprete Results

[Request a Demo](#)

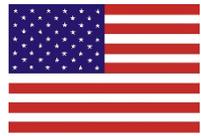
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(Reference) <https://www.digitalhealthsolutions.com/news>

Summary

R&D structure for DHS products



Nihon Kohden Digital Health Solutions

Developing DHS products that meet customer needs in North America, a leader in medical DX, and expanding globally



NEW!



Nihon Kohden Advanced Technology Center, India

Strengthening development capabilities of ITS+DHS products and internal IT systems, while accelerating the pace of R&D and reducing costs with North America and Japan



DHS Technology Development Department, Technology Development Operations

Developing problem-solving solutions aligned with workflow of medical institutions in Japan, focusing on expansion in Japan



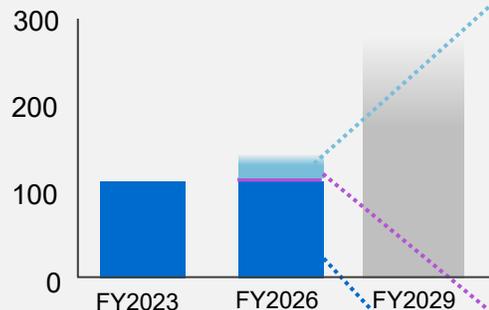
Support from North America → **Operating time: 17 hours** → Support from North America



Solutions (ITS + DHS)

Sales targets and KPIs

(Sales, 100 million of yen)



FY2023-26
CAGR Target

+ Mid-single digit

Sustainability KPI
Number of hospitals that have introduced AsisTIVA

Classification

Details

Alarm Management

- Apps that transfer alarm information obtained from medical devices to mobile terminals
- Consulting services for reducing false alarms and alarm fatigue

Early Warning Score Dashboard (RRS Support System)

- Detecting signs of sudden change in conditions such as cardiac arrest and notifying alerts to medical workers before the patient's condition deteriorates

Remote ICU

- Supports remote diagnosis by sharing patient and imaging data between medical institutions lacking intensivists and nurses and supporting facilities inside/outside hospitals

AsisTIVA

- A software program that administers a controlled dose of anesthetics using the patient's vital signs as a guide

PrimeGaia Clinical information system

- Collect and manage data obtained from patient monitors and ventilators
- Support for improving operational efficiency such as anesthesia and nursing records

PrimeVitaPlus Diagnostic information system

- Collect and manage data such as ECG, EEG, and endoscope
- Support for improving efficiency of testing operation
- Extensive data search and tabulation functions

PrimePartner[®] Clinical assistant service

- Aggregates and stores data such as IVD/ECG testing data from general practitioners on a cloud server, and enables to be shown on the EMR

* PrimeGaia, PrimeVitaPlus, and PrimePartner are only available in Japan.
* RRS (Rapid Response System) is designed to respond to patients with early signs of clinical deterioration.

Sales of DHS products in Phase III:

Aiming for tens of millions of dollars in North America and Japan, respectively

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