Innovation at NTT Data

Vancouver

March 2021

#nttdoi   #nttdata @NTTDATAServices

NTT Data Corporation NTT DATA Services Presenters

Ai Takebayashi

Manager, Planning Section,
Public Sector 2
NTT DATA Corporation

- Digital Strategy Office (DSO) Leader for healthcare and life sciences
- Over 20 years of IT experience
- Professional focus on innovative business solutions

Paul Twigg

CTO – Canada

NTT DATA Services

- CTO in Canada at NTT Data, one of North America's largest IT services companies
- Over 20 years of IT experience
- Professional focus on innovative business solutions
- Leader in infrastructure and solution architecture design, including cloud technologies and innovative technologies

Michelle O'Keefe

Canadian Health Industry Lead

NTT DATA Services

- Over 20 years of IT experience, 18 in healthcare IT
- Professional focus on digital health solutions that improve the patient and provider experience, focusing on safety, quality, effectiveness, and innovation

300,000+
Professionals

$107B
in annual revenue

88
Countries
& Regions

55th
Fortune
Global 500

Investing
$3.6B
in R&D

Serves more than
85%
Fortune
Global 100

NTT
INDYCAR
SERIES

Title Sponsor
Since 2019

Global Strength of NTT Companies

NTT

NTT is one of the largest ICT companies worldwide with 120+ year heritage of innovation. Ranked one of the world's most valuable brands, it is the holding company for all NTT businesses worldwide, including NTT DATA.

Jun Sawada
CEO

133,000+
Professionals

$20B
in annual revenue

50+
Countries

#9
Most valuable IT services brand

Trusted Global Innovator

NTT DATA

NTT DATA is a top 10 global business and IT services provider with business operations in more than 50 countries and regions. The parent of NTT DATA Services, the business was established in 1967 as the IT services arm of NTT, and became a public company in 1995.

Yo Honma
CEO

NTT DATA Group

The NTT DATA Group, comprising an organization that encompasses 225 cities in 53 countries and regions and approx. 133,000 people, is reinforcing its ability to provide support for global companies.

North America
Employees:
Approx. **16,800**

EMEA
Employees:
Approx. **32,300**

China
Employees:
Approx. **4,700**

Japan
Employees:
Approx. **38,700**

India
Employees:
Approx. **23,600**

South America
Employees:
Approx. **12,900**

APAC
Employees:
Approx. **4,000**

（As of March 31, 2020）

Healthcare in Canada

- Focus on patient-centred healthcare, moving towards full access to patients' own digital health record making standards and integration / consolidation a priority
- COVID-19 has enabled a rapid adoption of virtual care solutions

Challenges

Demand for health services not aligned with available supply, with inequities in rural/remote and vulnerable populations

Siloed healthcare systems struggle to provide continuity of care to patients

Increasing demand for:

Solutions aimed at prevention, chronic disease management, ageing in place

Consolidated and/or integrated health IT solutions to support continuity of care

Utilization of healthcare data to make evidence-supported decisions (care, policy, planning)

Healthcare in Japan

- Increasing demand for higher efficiency using IT due to staff shortage in medical/welfare field
- Healthcare data utilization will be promoted aiming at achieving healthy and long life

Challenges

Serious shortage of physicians

Maintaining sustainable social security system and healthy and long life

Increasing demand for:

Higher efficiency using IT

Disease prevention and health promotion

Utilization of healthcare data (e.g. medical checkup, health insurance claims)

Healthcare in Japan - after COVID-19

● COVID-19 changed social needs and created new opportunities for IT industry.

Changes in social needs

New
Demand for contactless/remote services

New
Infection spread prevention

New
Vaccine development acceleration

Speed up
Medical systems under pressure

Speed up
"Data Health Reform" by government

New opportunities

Rising demand for remote diagnosis/care

Monitor individual health status

Accelerating drug discovery with DX

Improving business efficiency with DX

Coordination among medical institutions and medical/health data utilization

NTT DATA's Strategy

- In response to rising demand for higher efficiency, sophistication, and remote capability in medical field, NTT DATA will provide solutions to connect, gather, and analyze and utilize data.

Step3 Analyze & Utilize

Analyze and utilize data for sophistication of medical business, personalized medicine, collaboration with other industries, etc.

- Smart-ICU
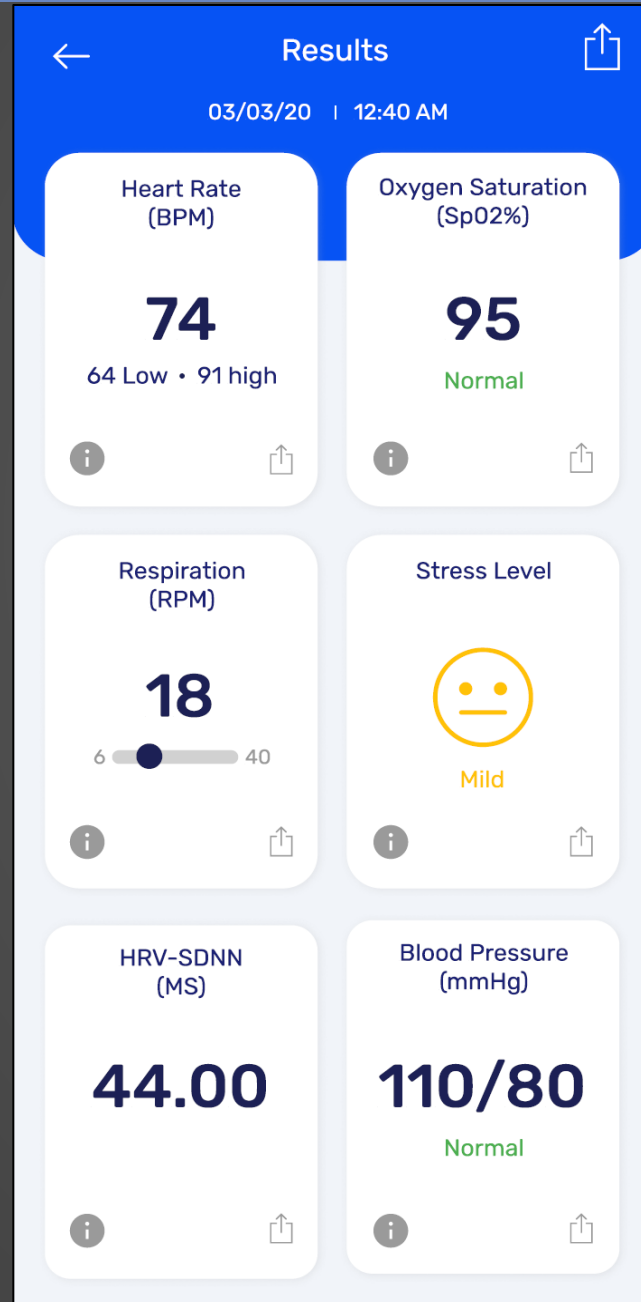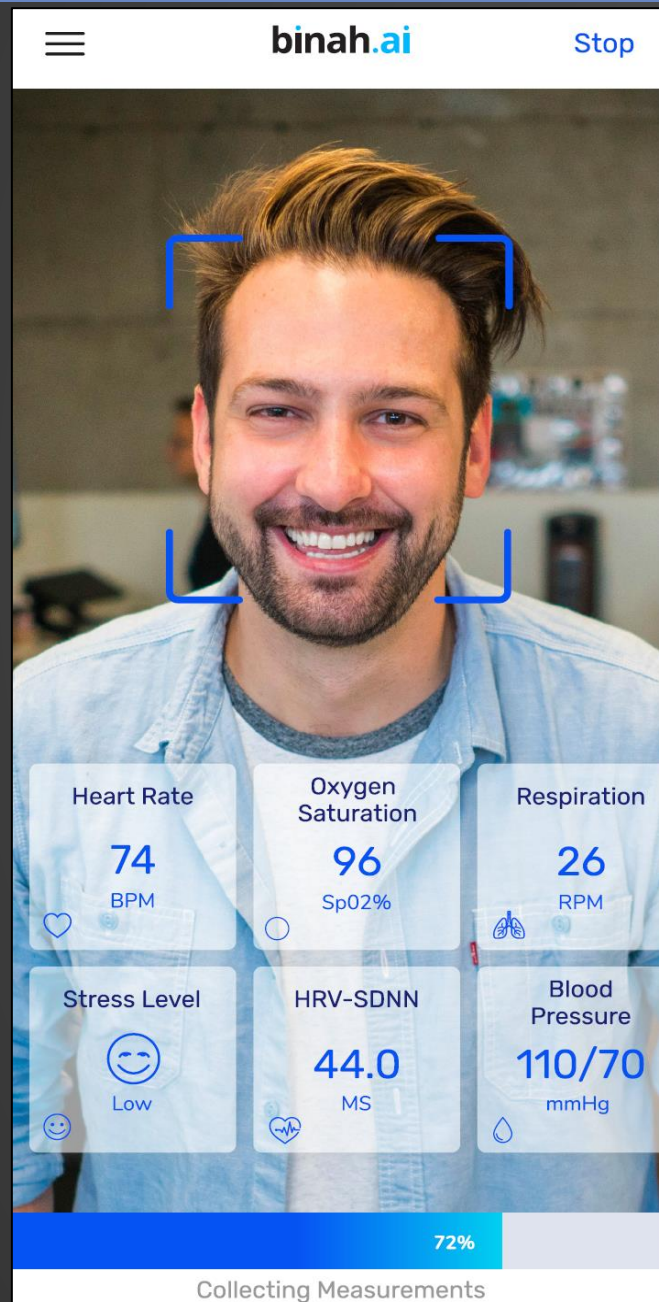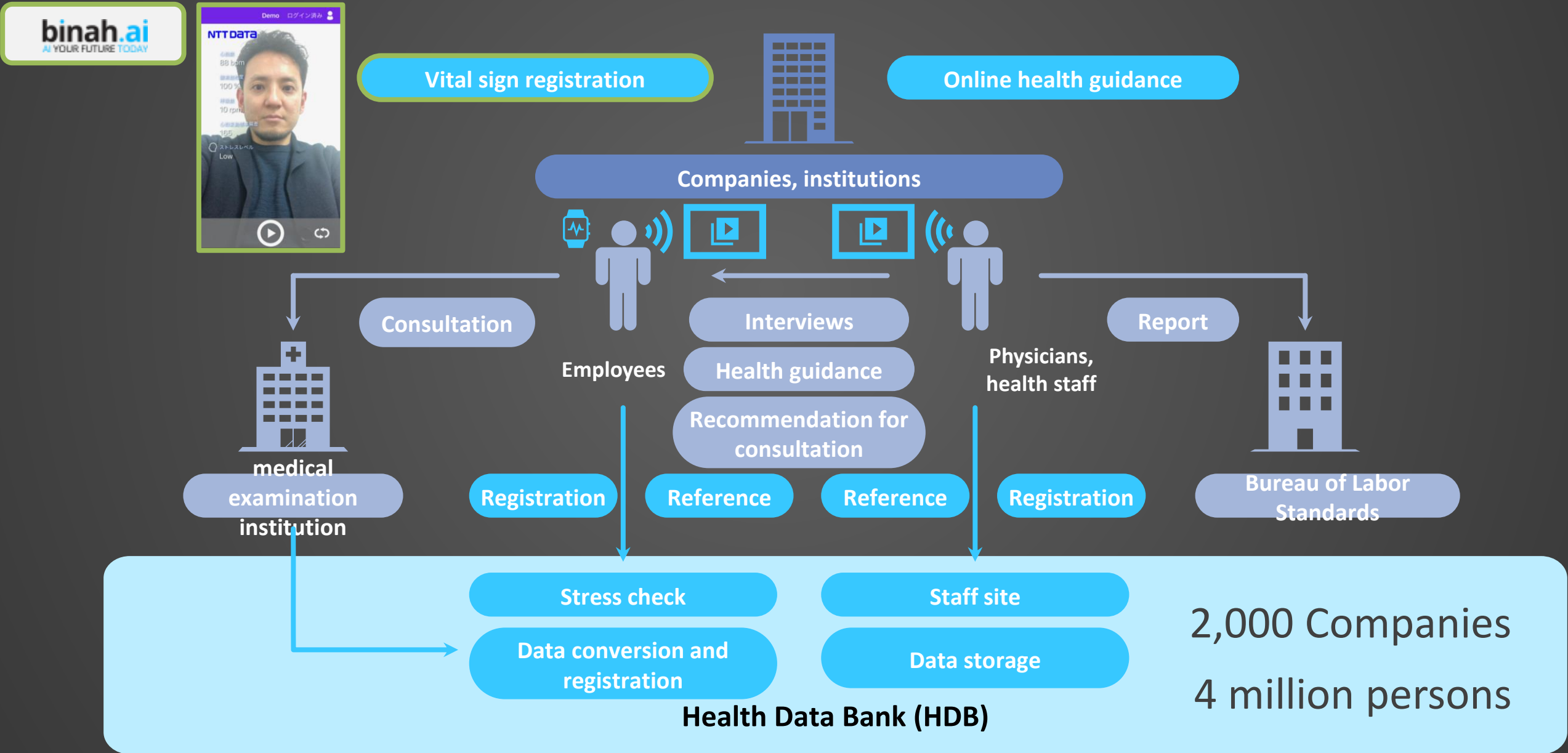- Diagnostic Imaging AI
- AI Hospitals

Step2 Gather

Gather and integrate distributed data

- HDB
- Millennial medical record

Step1 Connect

Build foundation for data linkage by connecting medical networks

- Tele-ICU
- MD-TraC
- L-AXeS
- EDC
- ePrescription
- PhambieLINQ
- Medication delivery

Legend: R%D | Commercialized

Binah.ai integrated with NTT DATA's health management solution Health Data Bank (HDB)

Vital sign registration

Online health guidance

Companies, institutions

Consultation

Interviews

Health guidance

Recommendation for consultation

Employees

Physicians, health staff

Report

medical examination institution

Registration

Reference

Reference

Registration

Bureau of Labor Standards

Stress check

Staff site

Data conversion and registration

Data storage

Health Data Bank (HDB)

2,000 Companies

4 million persons

NTT DATA

Let's create a future for digital healthcare together!

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thank you!