

Personal Data Subcommittee

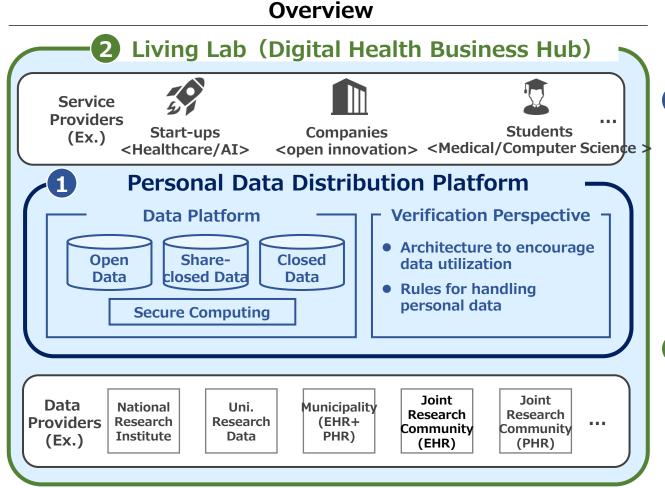
- Leadership organization: Nippon Telegraph and Telephone West Corporation
- Representative:

 Taizou Kitayama, Executive Officer, Enterprise Business Department, Business and Marketing Department, NIPPON TELEGRAPH AND TELEPHONE WEST CORPORATION

1. Our goal



Organize the requirements for a "personal health data utilization environment" that contributes to the creation of global start-ups and new services in the healthcare field, and contribute to the development of a new business hub for digital health in the Kansai region.



Organize requirements for personal data distribution infrastructure

Activity

- Organize architectural requirements to guarantee data distribution and stable operation by clarifying current issues in the utilization of personal data and considering solutions to resolve them.
- Organize data utilization rules and trust granting methods according to the type of personal data, opt-in or not, etc.

NTT West and other companies

Responsible

- 2 Organize requirements for Living Lab
 - Organize the business model, process, and functions of the Living Lab that will contribute to business creation.

Gather and expand members



2. Our approach



Based on the hypothesized requirements for a personal data distribution infrastructure and initial evaluation of service use cases, finalize the requirements through collaboration with other subcommittees, use case studies, and demonstrations, etc.

Organize requirements for personal data distribution platform

Create service use cases

Consider Direction

Create Requirement Hypothesis

 Based on the previous considerations, create requirement hypotheses for six functions required for each of the primary and secondary uses of personal data.

Field x Use Case **Initial Evaluation**

- Initial evaluation of field x use cases
- Building network to create use cases

Current Phase

Refine Hypotheses

Exchange opinions with other subcommittees

 Refine requirement **hypotheses** through discussions with **Big Data Healthcare Subcommittee** and Subcommittee on **Digital Biohealth**

Finalize requirements/ build prototypes

PoC

 Finalize requirements with input from requirements obtained through other subcommittees and use case studies



Consider Use Cases

- Organize available assets and how to acquire missing assets
- Planning for use case creation
- Consider building a demonstration environment for creating use cases

Create Use Cases

 Create use cases using the demonstration environment of the personal data distribution infrastructure by utilizing subsidies, etc.



3. Personal data distribution Platform hypothetical requirements:

Based on the definition of primary and secondary use of personal data, etc., examine the hypothesized requirements for the functions required of a personal data distribution infrastructure.

Primary Use	Definition	Use health data for its intended purpose, such as health promotion, diagnosis and treatment
	Data User	ResidentsPrivate companiesMedical InstitutionsMunicipalities
	Data Utilization Purpose	Health promotion by providing health services Providing medical services Implementation of health promotion measures
Secondary Use	Definition	Use health data for purposes other than those originally notified (public benefit, health/medical science development, industry promotion, etc.)
	Data User	 Private companies University Hospitals/Research Institutes Healthcare/medical venture companies
Use	Data Utilization Purpose	Development of methods for diagnosis, treatment and prevention of intractable diseases Pharmaceutical/medical device/medical application research and development AI development related to health and medical

Utilization of Personal Data

	(1) position)							
Functions		0	Usage Scenes					
		Overview	Primary Use	Secondary Use				
Health Date	_	Based on the consent of the individual, link health and medical data held by private companies, academic and research institutions, MynaPortal, local governments, etc.	0	0				
2 Health Integ Manag Fund	rated ement	Visualization of health status and health risks by centralizing health and medical data held by private companies, academic and research institutions, Mynaportal, local governments, etc.	0	_				
Personal Fund	•	Propose personalized services appropriate to health risks and needs based on personal health medical data	0	_				
Inforn Banking		Deposit and provide health and medical data to third parties based on the consent of the patient	0	0				
Anonyn Fund		Create anonymized processed medical information in accordance with the Commentary on Next Generation Medical Infrastructure Law when providing health and medical data to third parties.	_	0				
	on Rule nd Control	Develop rules and consider use cases for the safe and secure distribution and utilization of health data.	0	0				

Functions Required (hypothesis)



4. Our scope of discussion



Expand personal data utilization for the first step by creating the service use cases related to the primary use business.

: Starting Point

First step <Primary Use> Residents actively utilize health care services and data

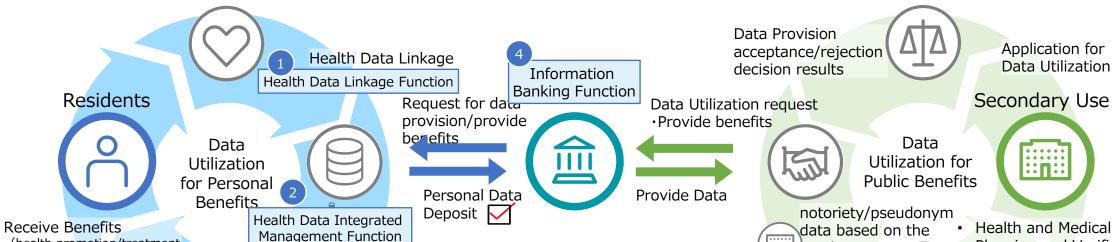
• Data linkage via Mynaportal based on residents' personal consent

Data linkage through utilization of health and medical services

Next step <Secondary Use> Safe and secure utilization of healthcare data for the development of health/medical science and industry promotion

Judgment of appropriateness of data utilization from the perspective of ELSI(Ethical, Legal and Social Issues)

user's consent



Health promotion and health guidance services (e.g., type 2 diabetes model)

Service matching

Personal Advisory Function

- Personalized home meal and fitness services
- Personalized medical services (remote medical care, etc.)
- Customized life insurance services

(health promotion/treatment

effect/economic benefits)

Anonymous Data from Providers certified by Commentary on Next Generation Medical Infrastructure Law

Anonymization **Function**

- Health and Medical Policy Planning and Verification Diagnosis and treatment method development (Diagnosis and treatment of intractable diseases)
- Health and medical application development (SaMD, Non-SaMD)
- Drug development, clinical trials, medical device development



Health Data

Utilization Rule

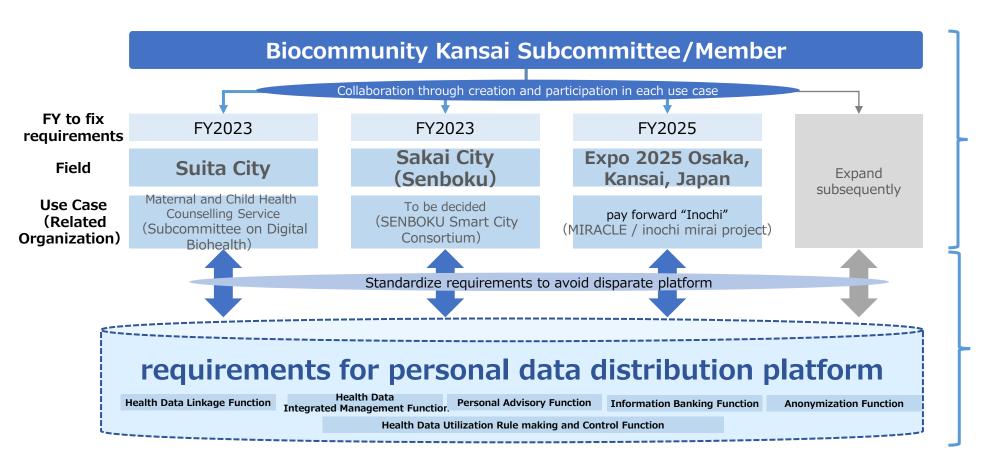
making and

Control Function

5. Our Activities



Participate in BiocK subcommittee meetings and multiple use cases in the Kansai, organize requirements for the personal data distribution infrastructure, and share them with subcommittees/members through BiocK.



Our Activities

Create use cases

- ✓ Coordinate with each related organization to handle as a use case of Biock (Those of Biock subcommittee will be the first priority).
- ✓ Encourage BiocK subcommittees/member s to participate in each use case

Organizing the Requirements for a Personal Data Distribution Platform

✓ Organize requirements for each use case and deploy to subcommittees/member s through BiocK

