

## ■ Innovation Creation Program (COI STREAM)

Period of Implementation: FY 2013-FY 2021

Theme	Name	Contents
The Center of Innovation (COI) Program	Center of Innovation for creation of a society with self-help and mutual-assistance through daily unobtrusive sensing and health monitoring.	We are developing a Daily Health Screening system that uses unobtrusive sensing, so that anyone, anytime and anywhere can stay aware of their own and their loved ones' health and everyday status, and can obtain multigenerational support going beyond the family. The Daily Health Screening system consists of three elements: "HaKaRu," "WaKaRu," and "OKuRu." Applying various sensing techniques, the system unobtrusively collects information about health and health factors. This information is combined with predisposition data and centrally managed as a big PDS (personal data service/store) in the cloud. Besides aiming for understanding and sharing of this information, it is put to various uses from the standpoints of self-assistance and mutual assistance.

- R&D themes that unlock results
  - Lineup of innovative sensing devices to realize unobtrusive sensing of environmental factors and life factors
  - Genome analysis technology capable of evaluating physical constitution, disease risk, and drug responsiveness due to genetic factors quickly and at a low cost
  - Innovative PDS platform to centrally manage data on life factors, environmental factors and genetic factors
  - Service to provide predictive health information based on analysis of healthcare big data: Lifestyle advice and preventive support by doctors and health concierges
  - Creation of many different kinds of businesses by integrating sensor data and byconnecting services through AI analysis and open API provision