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Bowel Sensor
Operations Management System

Smart Healthcare System

Unrivaled bowel sensor healthcare system that supports patients in maintaining self-esteem and hygiene

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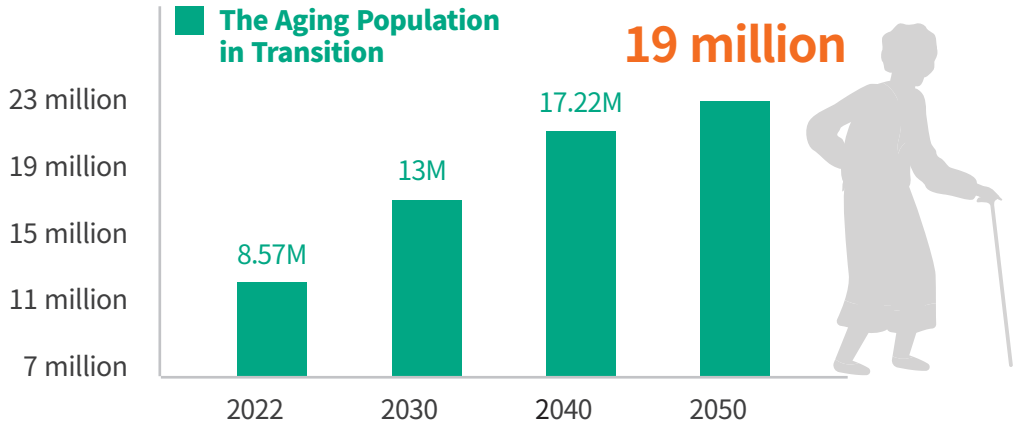


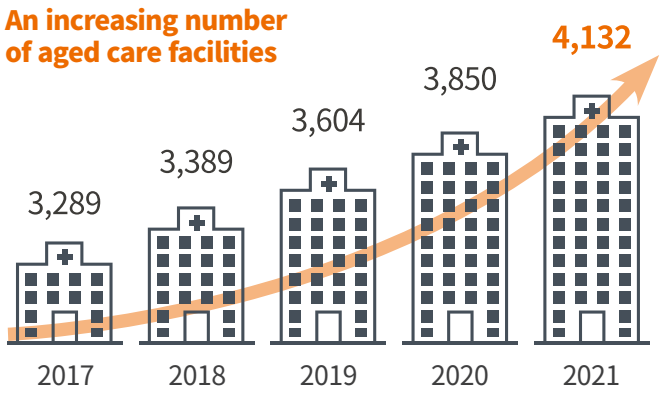
The aging population over 65 is experiencing a notable increase.

Despite the growing elderly population

services are experiencing low satisfaction levels

Challenges of Aged Care Facility Oversupply

A need to differentiate services emerges



The moment a patient is prescribed to wear a diaper
their self-esteem may be adversely affected.

The patient's distress with a soiled diaper is difficult to comprehend, especially when they must wait for the diaper to be changed.

Nursing care workers responsible for numerous patients face a series of challenging and painful tasks when physically assessing the bowel condition of each patient.

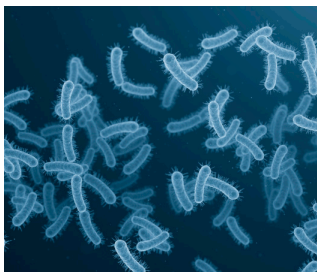
Providing the desired high-quality services to patients and their guardians is limited by the challenges of excessive labor costs and operational difficulties.

Wearing a diaper poses a potential threat.

to the health of patients, not only in terms of self-esteem.

Skin rashes

caused by exposure to humidity in diapers



Bacteria in excrement

Colon bacillus, Dysentery, Staphylococcus aureus, etc

Unsanitary environment

resulting from neglected bowel movements exacerbates the pain of patients in the room

Heightened anxiety for guardians

The emotional burden of not being able to personally care for the patient weighs heavily on the guardians

Our Smart Healthcare System is designed to provide comprehensive assistance.

For patients dealing with dementia, urinary incontinence, severe conditions, and cognitive impairments related to defecation, our Smart Healthcare Bowel Sensor Operation System offers improved management.
This extends support not only to the patients but also to the dedicated carers, who, always concerned about their patients' conditions, indirectly bear the burden of suffering. Additionally, healthcare workers, responsible for the well-being of both patients and guardians, find enhanced care through our system.

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What is the Bowel Sensor Operations Management System?

Processes of Smart Healthcare System

Experience an unrivaled bowel sensor healthcare system that not only supports patients in maintaining self-esteem and hygiene but also enhances overall patient management and hospital operations in real-time.

1. Counseling/Registration for Hospitalization

2. Hospitalization of Patient (with Attached Sensor)

3. Monitoring

4. Bowel Sensor Issuing Notifications for Bowel Movements

5. Data Delivery to Staff

6. Diaper Change (Health Care)

7. Patient Treatment and Care

8. Data Storage on Web Server

9. Consultation with Caregiver

What are the benefits of the system?

Enhanced Patient and Guardian Satisfaction

- Prompt assistance for patients, minimizing the occurrence of secondary diseases such as skin rashes, food poisoning, abdominal pain, diarrhea, bloody excrement, respiratory infections, bedsores, and more.
- Elevated Patient's Self-Esteem
- Efficient Defecation Treatment Reducing Odor and Maintaining a Pleasant Environment
- Increased User Satisfaction
- Relieved Guardian Anxiety for a More Comfortable Daily Life
- Enhanced Caregiver Concentration and Bonding

What are the benefits of the system?

Alleviates Caregiver Fatigue

- Real-Time Monitoring for Large Patient Numbers
- Planned Patient Care
- Improved Working Environment
- Partial Work Intensity Reduction
  - 30% Reduction in Diaper Replacement Rate
  - Real-Time Notification for Care Workers and Management Centers
  - Task Division Based on Program Results
  - Increased Concentration on Patient Care

What are the benefits of the system?

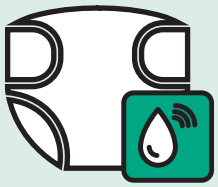
Cost Reduction in Hospital Operations

- Labor and Operating Cost Reduction
- Efficient Resource Utilization
- Improved Workforce Retention
- Data-Driven Patient Management
  - Accumulation and Utilization of Event Data for Patients
- Strengthen Quality Medical Services and Implement Unique Service Policies Serving as a Strategic Marketing Tool.
- Additional Revenue Generation through Dualizing the System
- Transition from Traditional Analog Methods to a More Innovative Induced Charging Model
- Servitization as a Paid Service
- Financial Sustainability by Covering Hospital Operating Expenses through the Generation of Additional Profits from a Monthly Fixed Amount

Detailed Overview of Smart Helathcare System's Processes

Smart Healthcare System Details

01 Sensor Application



- The sensor, designed to be light in weight and of optimal size to minimize irritation, sets the standard for defecation weight.
- Securely attach the sensor to the outer cover of diapers ensuring no direct contact with the skin and filth.

02 Patient Information Registration and Management

- Register comprehensive patient hospitalization information at the central management center.
- Capture detailed data, including patient name, room, bed number, person in charge, group, etc.
- Enable automatic data management after each diaper change.