Telecare-
Home Care Model

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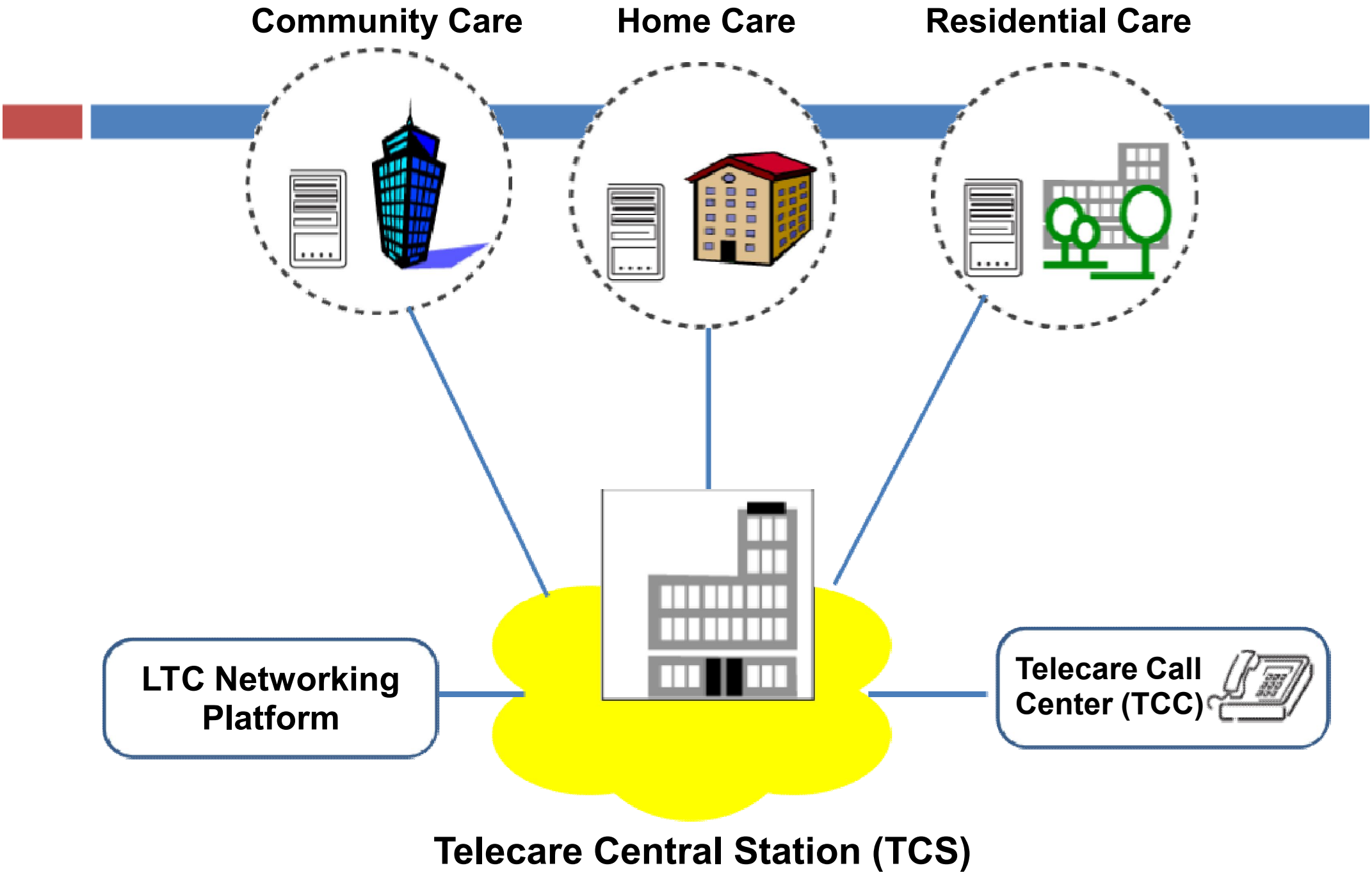
Agenda

- Introduction of home care model
- Live Demo
- Experiencing the service
- Q&A


Community Care
Home Care
Residential Care
LTC Networking Platform
Telecare Call Center (TCC)
Telecare Central Station (TCS)

Content of Service

- telemonitoring of physiological parameters (blood pressure and/or blood sugar)
- providing the relevant health information and medication instructions through the set top box
- offering consultations with healthcare professionals by videoconferences

Inclusion criteria

- the elderly whose Barthel's index equals ninety or below
- the patients with diabetes mellitus or hypertension
- there might be more than one patient in the same family (caregiver with hypertension or DM)

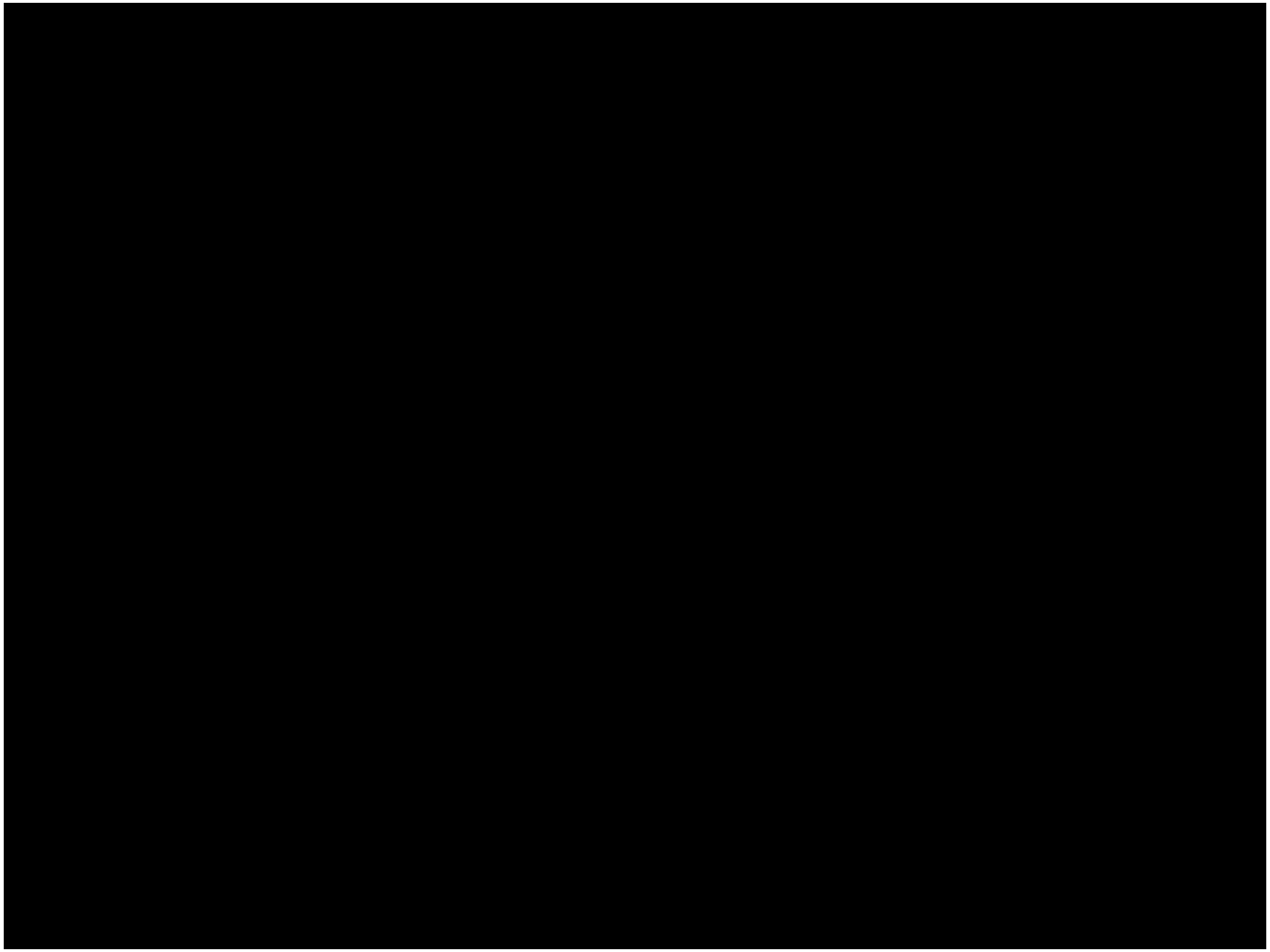
Telemonitoring of blood pressure and blood sugar

- All the data were uploaded to the central data base with an automatic alert system in telehealth service center.
- The on-duty staffs in the TSC would respond to any laboratory critical values and reminded patients or caregivers if they didn't upload the data as the frequency set by the physicians.
- The data were also integrated into the hospital's computerized physician order entry (CPOE) system. And the clinicians might retrieve the data in the hospital information system (HIS) directly.

Devices

Measurement equipment	Display	Upload equipment	Internet	Application system
	TV	Home Gateway (set top box)	256 K ADSL	Web-based

Telemonitoring of blood pressure



Telecare Service Center

Integration with CPOE of hospital

Live Demo

- Simulation of patient's living room
- Simulation of TSC (Call center)
- How on-duty staff respond to patient's hypoglycemia

遠距照護
Telecare

Screen shot of set-top-box

- User Friendly: Design for Senior Citizens

行政院衛生署
遠距照護試辦計畫

用心・關心・放心

0 HOME | 1 LIST | 2 UPLOAD | 3 HISTORY | 4 VIDEO

	User Name	ID Number	Photo
1.	TEST11	Q123382312	

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Monitoring Home Gateway System

- Upload with the Voice Guide
  - Step1: Choice Your name and item
  - Step2: Measurements of blood pressure/ blood sugar.
  - Step3: Turn off the meter.
  - Step4: Connect the meter to the system.

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Blood Pressure

Blood Sugar (Before Meals)

Blood Sugar (After Meals)

Body Temperature

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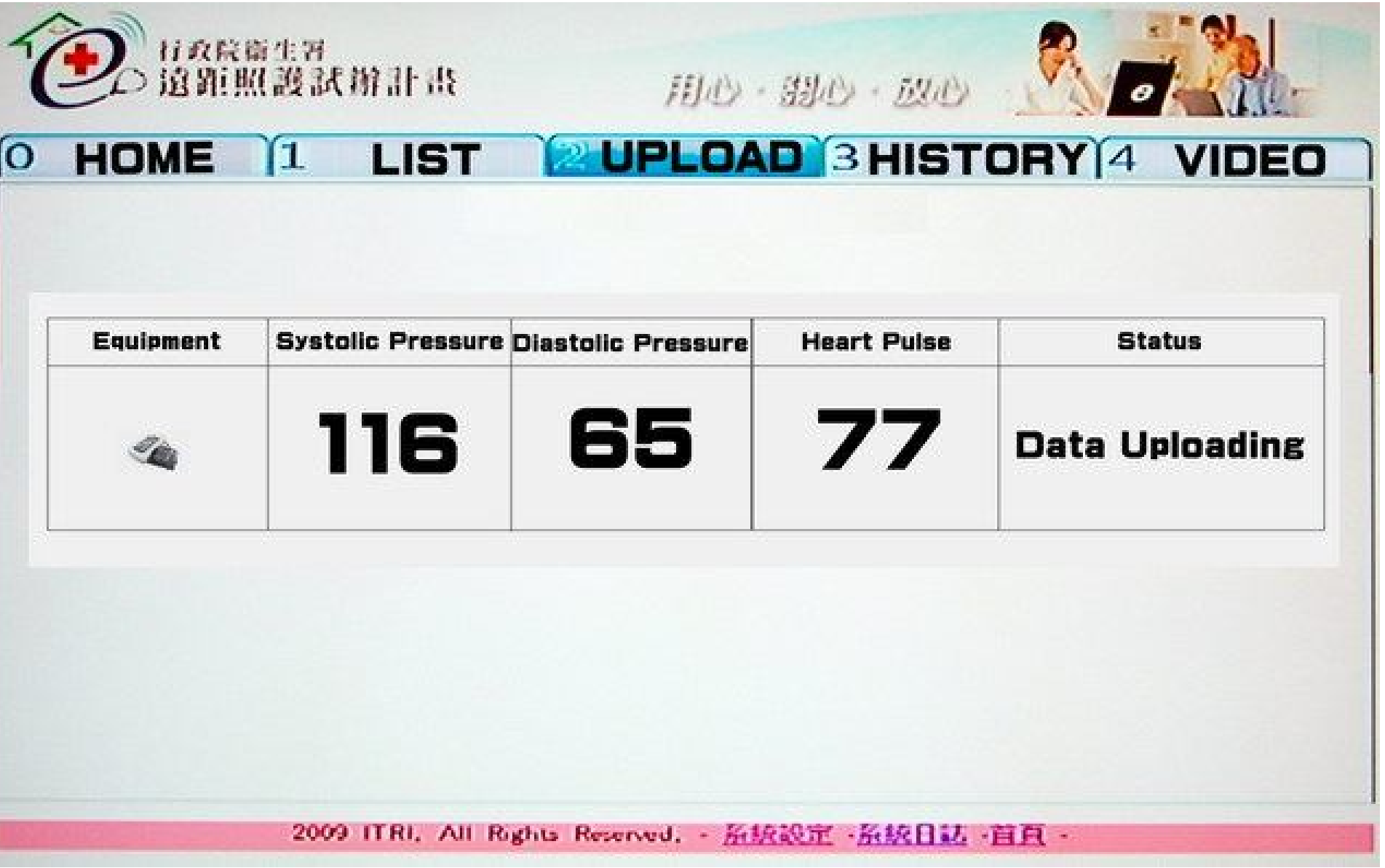
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用心．關心．放心
0 HOME
1 LIST
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3 HISTORY
4 VIDEO
Equipment
Systolic Pressure
Diastolic Pressure
Heart Pulse
Status
116
65
77
Data Uploading
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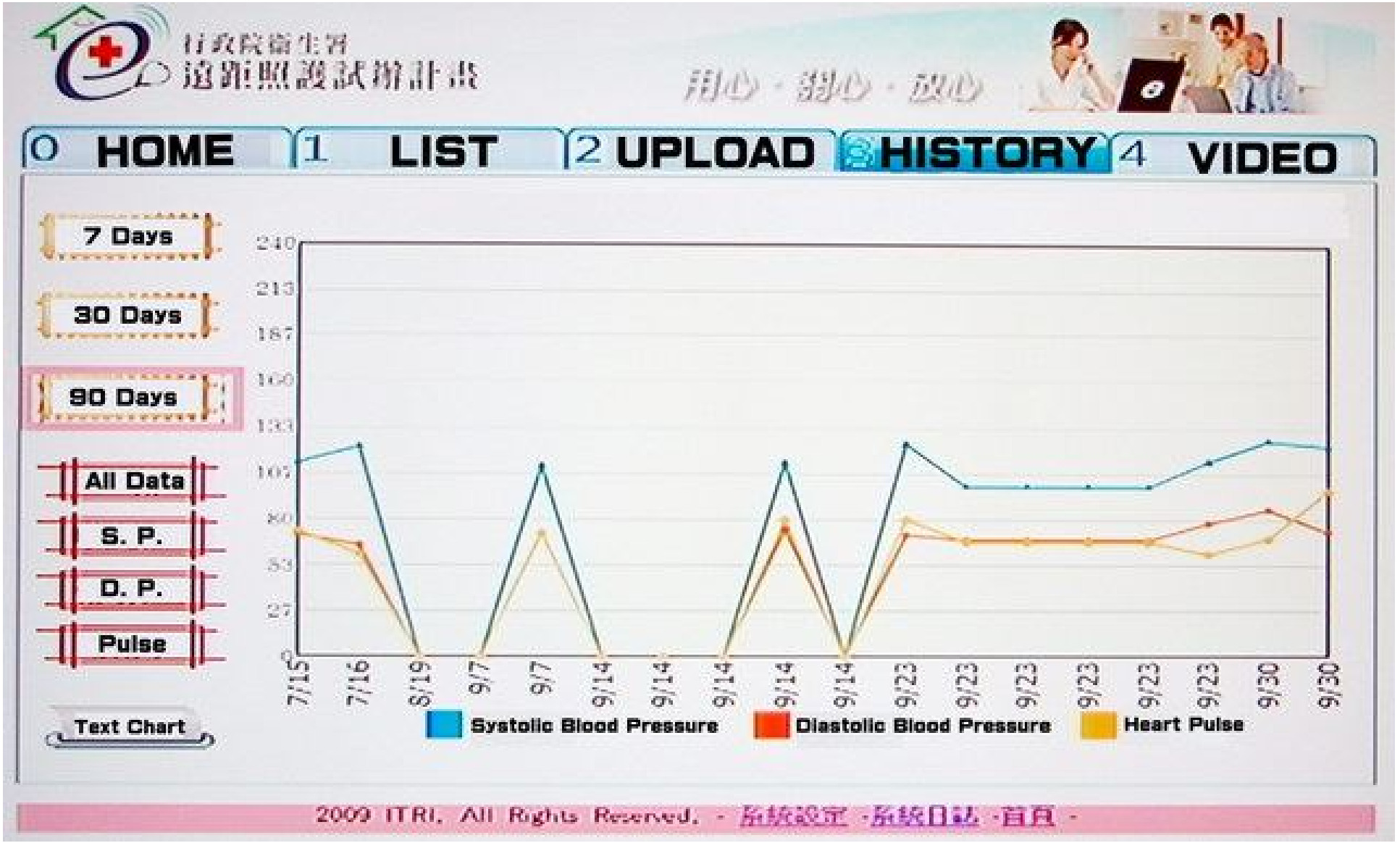
- 7 Days, 30 Days, 90 Days History Data
- Line Chart & Characters Data
- For Physician Clinic & 24/7 Emergency Service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0 HOME
1 LIST
2 UPLOAD
3 HISTORY
4 VIDEO
7 Days
30 Days
90 Days
All Data
S. P.
D. P.
Pulse
Text Chart
240
213
187
160
133
107
80
53
27
0
7/15
7/16
9/16
9/7
9/7
9/14
9/14
9/14
9/14
9/14
9/23
9/23
9/23
9/23
9/23
9/23
9/30
9/30
Systolic Blood Pressure
Diastolic Blood Pressure
Heart Pulse
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行政院衛生署
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用心・關心・愛心

0 HOME | 1 LIST | 2 UPLOAD | 3 HISTORY | 4 VIDEO

7 Days

30 Days

90 Days

Line Chart

TEST11 前90日血壓記錄 (7/15~9/30)

Measurement Records	Systolic Pressure (mmHg)	Diastolic Pressure (mmHg)	Heart Pulse (Times)
2009/09/30 15:22	123	73	97
2009/09/30 14:37	126	86	69
2009/09/23 10:42	114	78	60
2009/09/23 10:36	99	68	67
2009/09/23 10:31	99	68	67

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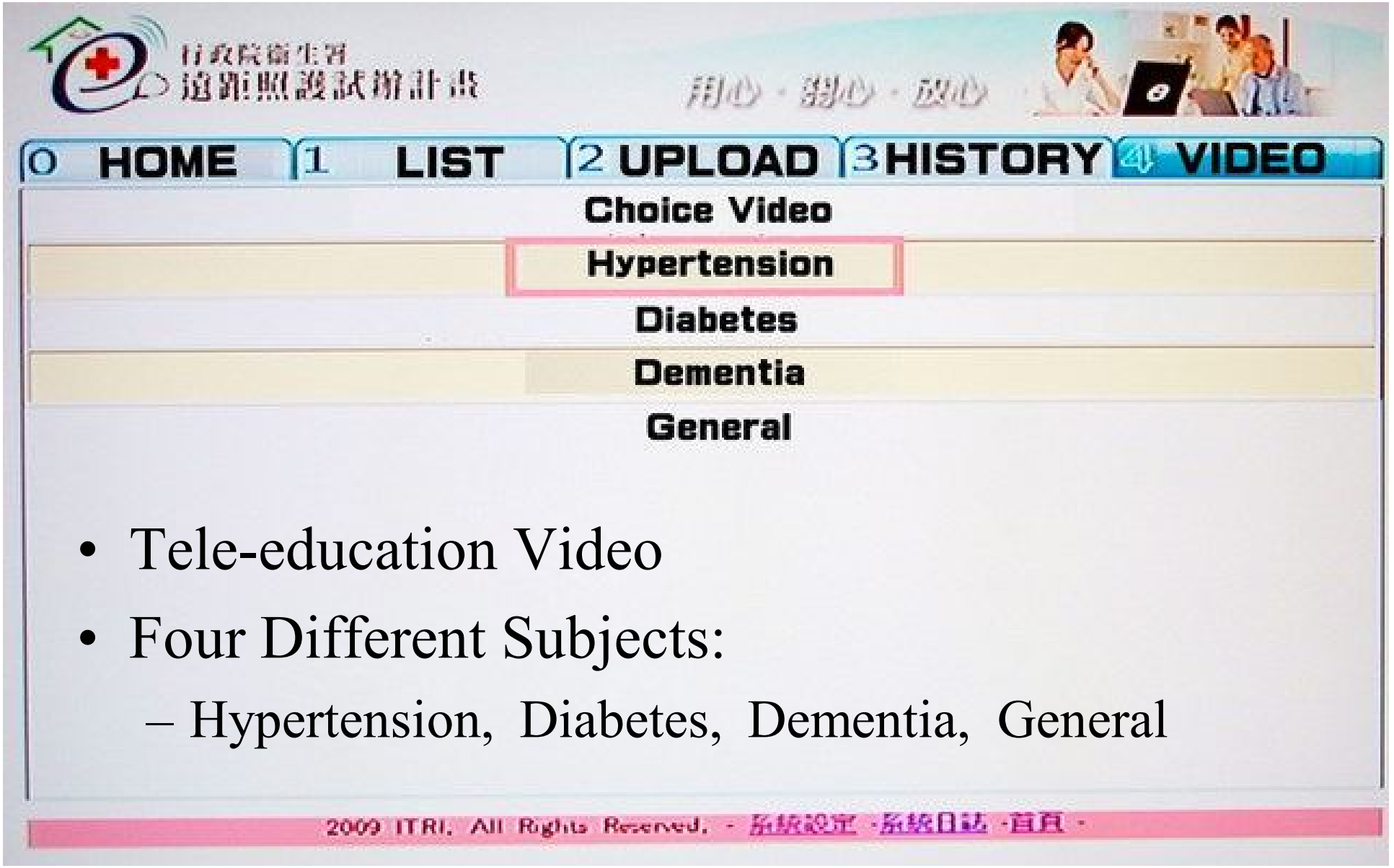

- Tele-education Video
- Four Different Subjects:
  - Hypertension, Diabetes, Dementia, General

- Experiencing the service

- Q&A