МОНГОЛ УЛСЫН ЗАСГИЙН ГАЗАР

ЭРҮҮЛ МЭНДИЙН ЯАМ

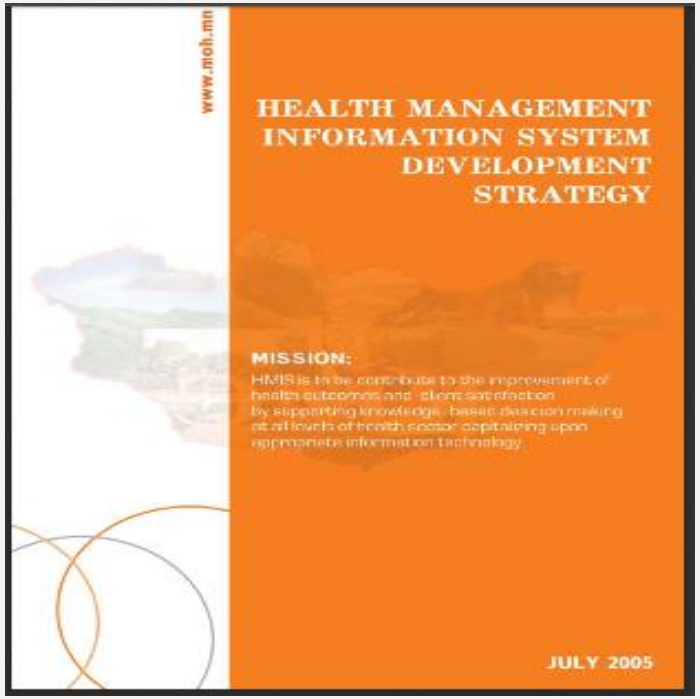
INVESMENT IN HEALTH ICT

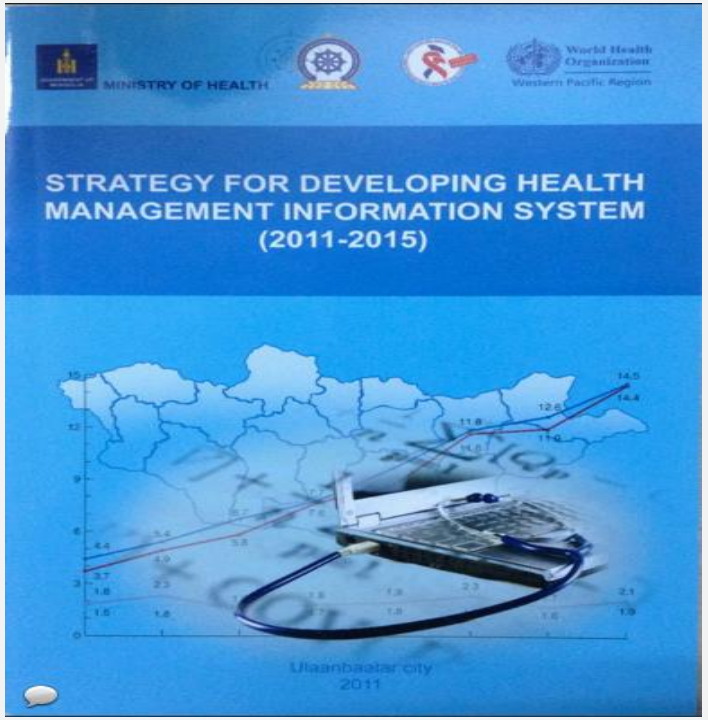
This is not an ADB material. The views expressed in this document are the views of the author/s and/or their organizations and do not necessarily reflect the views or policies of the Asian Development Bank, or its Board of Governors, or the governments they represent. ADB does not guarantee the accuracy and/or completeness of the material's contents, and accepts no responsibility for any direct or indirect consequence of their use or reliance, whether wholly or partially. Please feel free to contact the authors directly should you have queries.

Tsolmongerel Tsilaajav,
Director of Policy and Planning Department, Ministry of Health, Mongolia

BACKGROUND

- First e-Health strategy 2010-2014
- HMIS strategy (v1 2005, v2 2011)





IT INFRASTRUCTURE : SOFTWARE

- E-HOSPITAL
  - H-Info /Statistical information/
  - E-Hospital /Hospital Information System – outpatient/
  - MedSoft /Hospital Information System – outpatient/
- LICENSING AND REGISTRATION
  - Licemed /drug registry, manufacturing and import license/
- TELEMEDICINE
  - MN cardio 2.0
- PUBLIC HEALTH AND SURVEILANCE
  - Ewar 2.O

IT INFRASTRUCTURE : HARDWARE

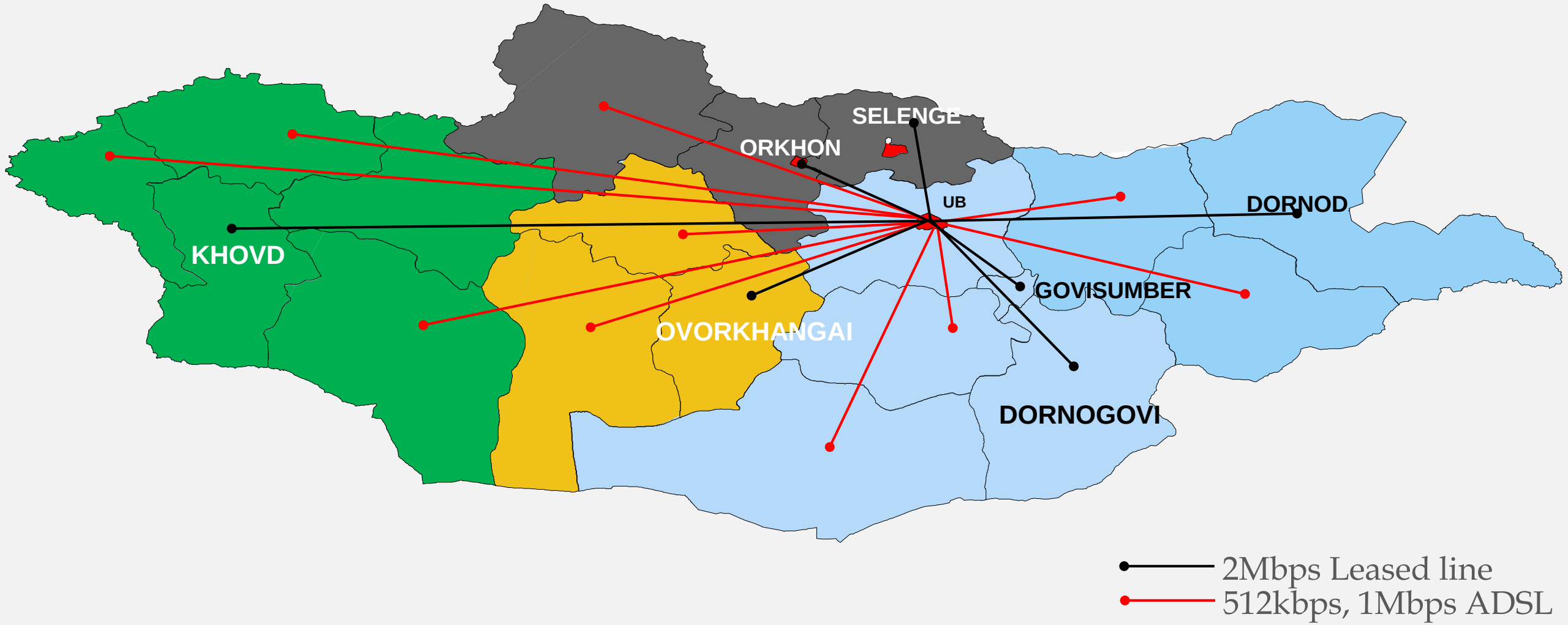
Health workers – 42000,

Number of computers – 8500

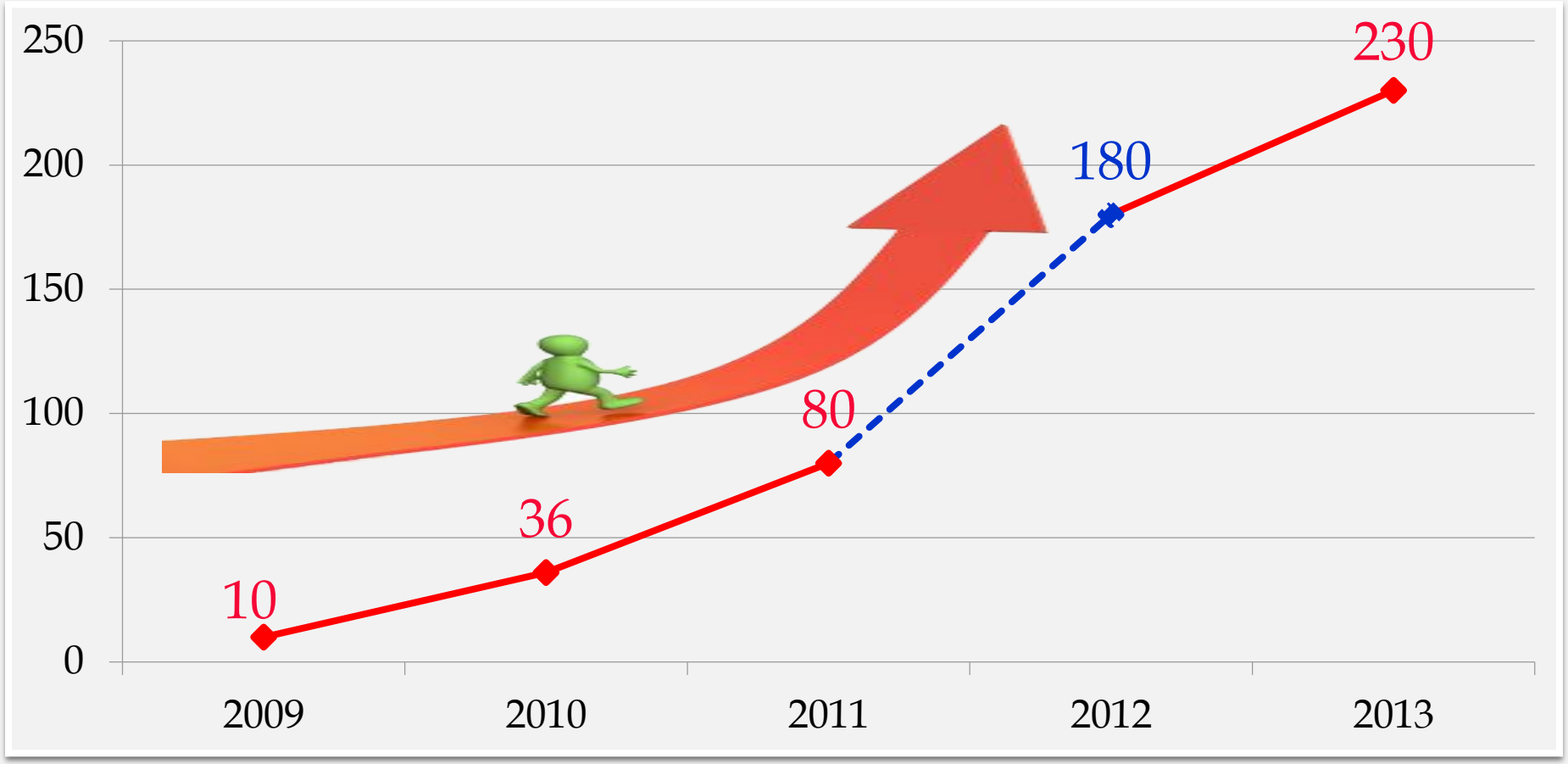
High speed VPN network for:

- All tertiary public hospitals and centers
- All secondary public hospitals

INFRASTRUCTURE : INTEGRAL AND INTEROPERABLE NETWORK



IT INFRASTRUCTURE : INTERNET



Use of internet/Mbps/
(public hospitals)

MAIN CONCERNS IN HEALTH ICT

- Varying understanding, awareness and commitment about health IT investment
- Lack of adequate institutional set up for e-health
- Lack of standardization
- Fragmented applications and software
- Frequent staff turnover and
- Ad-hoc training system

DEVELOPMENT IN HEALTH ICT

ICT = HEATH SECTOR REFORM TOOL

HEALTH SYSTEMS

- Service delivery
- Human resources
- Information
- Medicine and supplies
- Financing
- Governance

HEALTH GOALS

- Reduction of morbidity and mortality
- Financial risk protection
- Ensure client satisfaction

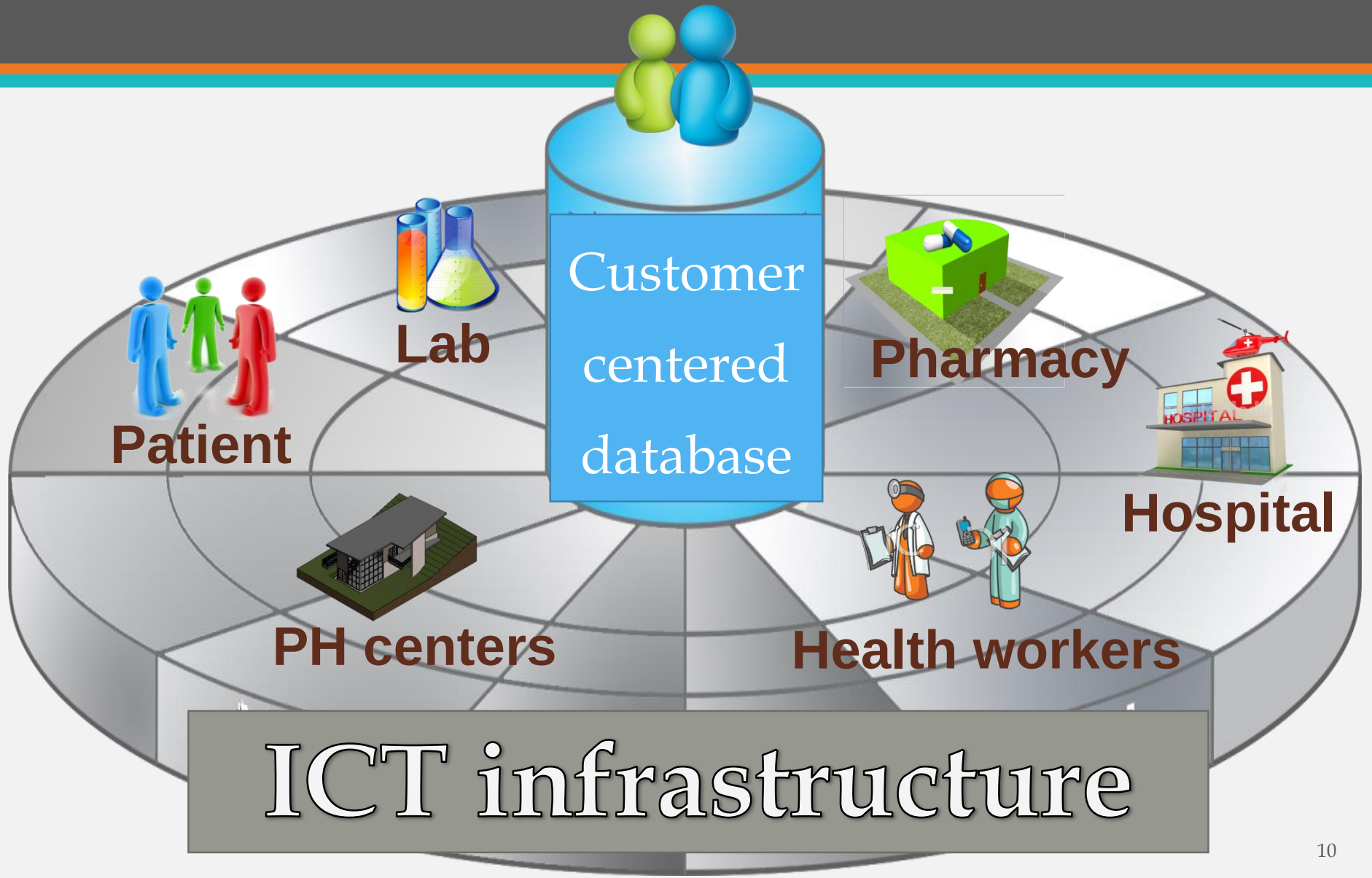
DEVELOPMENT IN HEALTH ICT

Objective:

Improve access to and quality of health services by Mongolians through effective creation and usage of information communication technology:

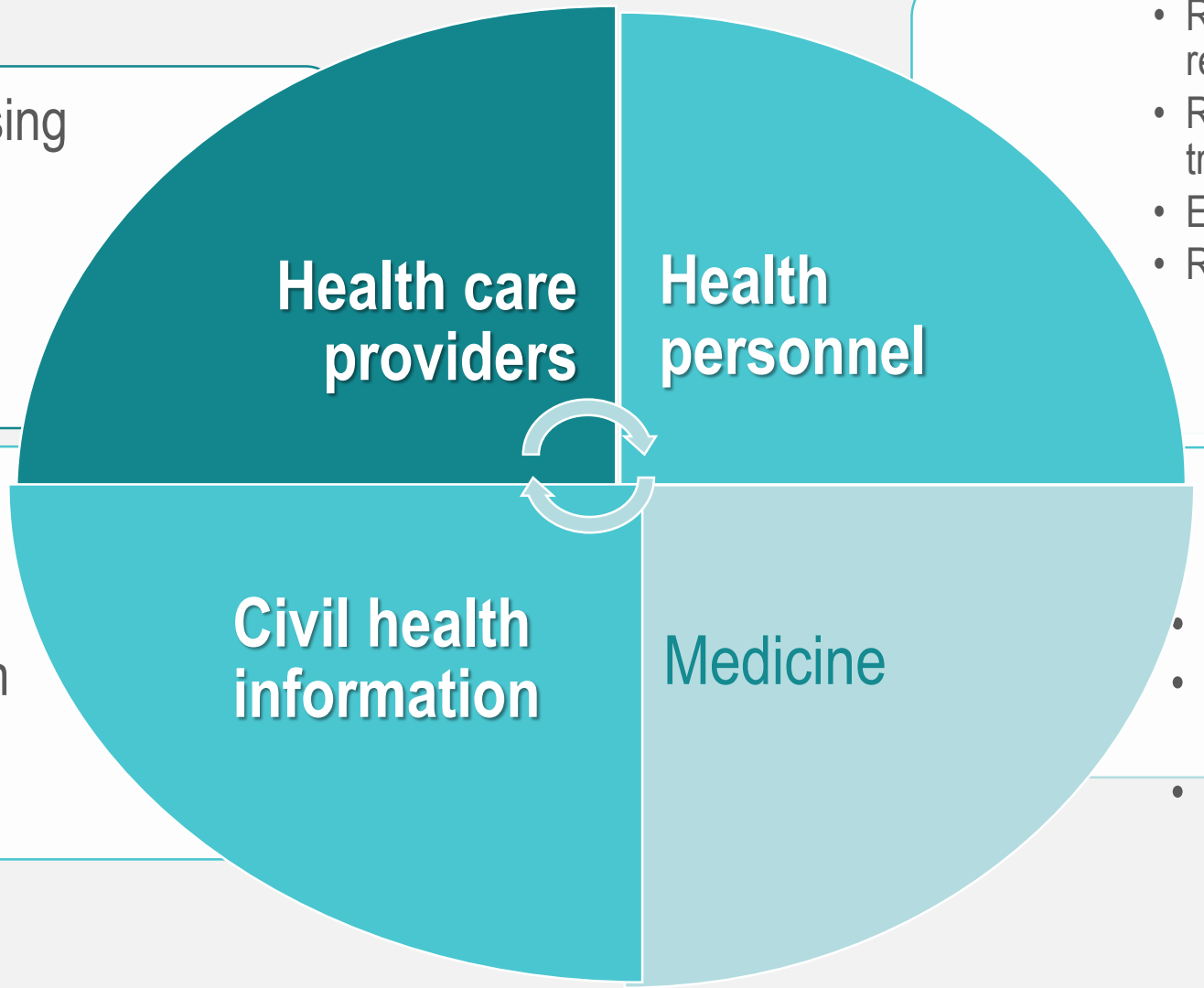
- Establish and enforce standards and norms
- Ensure safety and interoperability of health information systems
- Sustainable development and maintenance for ICT
- Management and capacity building

DEVELOPMENT IN HEALTH ICT



DEVELOPMENT IN HEALTH ICT

- Registry of licensing
- Registry of accreditation



- Registry of human resources
- Registry of post graduate training
- Ethics of workers
- Registry of award system

- Civil registration
- E-hospital system
- Health insurance information

- Registry of meds
- Licensing of imports
- Medicine assurance and pharmacopeia
- Permission for advertisement

INVESTMENT IN HEALTH ICT

HEALTH IT PROJECTS

1. “E-hospital”

Renew hardware system of hospitals and strengthen concept of e-hospital

Scope:

- New computers and parts for public secondary and tertiary hospitals
- Training of health information personnel
- E-hospital software system for public secondary and tertiary hospitals

Date:

- 2014-2016

- Budget:
  - 18,9 mln USD

HEALTH IT PROJECTS

2. E-health

Scope:

1. Establish fundamentals for e-health system
   - Enterprise architecture
   - Standards and data dictionary
2. Data exchange platform
3. National health information center and capacity building

Date:

- 2015-2019

Budget:

- 20 mln USD

HEALTH IT PROJECTS

3. Medicine safety

- Registry and licensing information sub-system
- Distribution and sales information sub-system
- Side-effect information sub-system
- E-prescription sub-system

INTEGRATED DATABASE

Date:

2015-2018

Budget:

5 mln USD

THANK YOU FOR ATTENTION