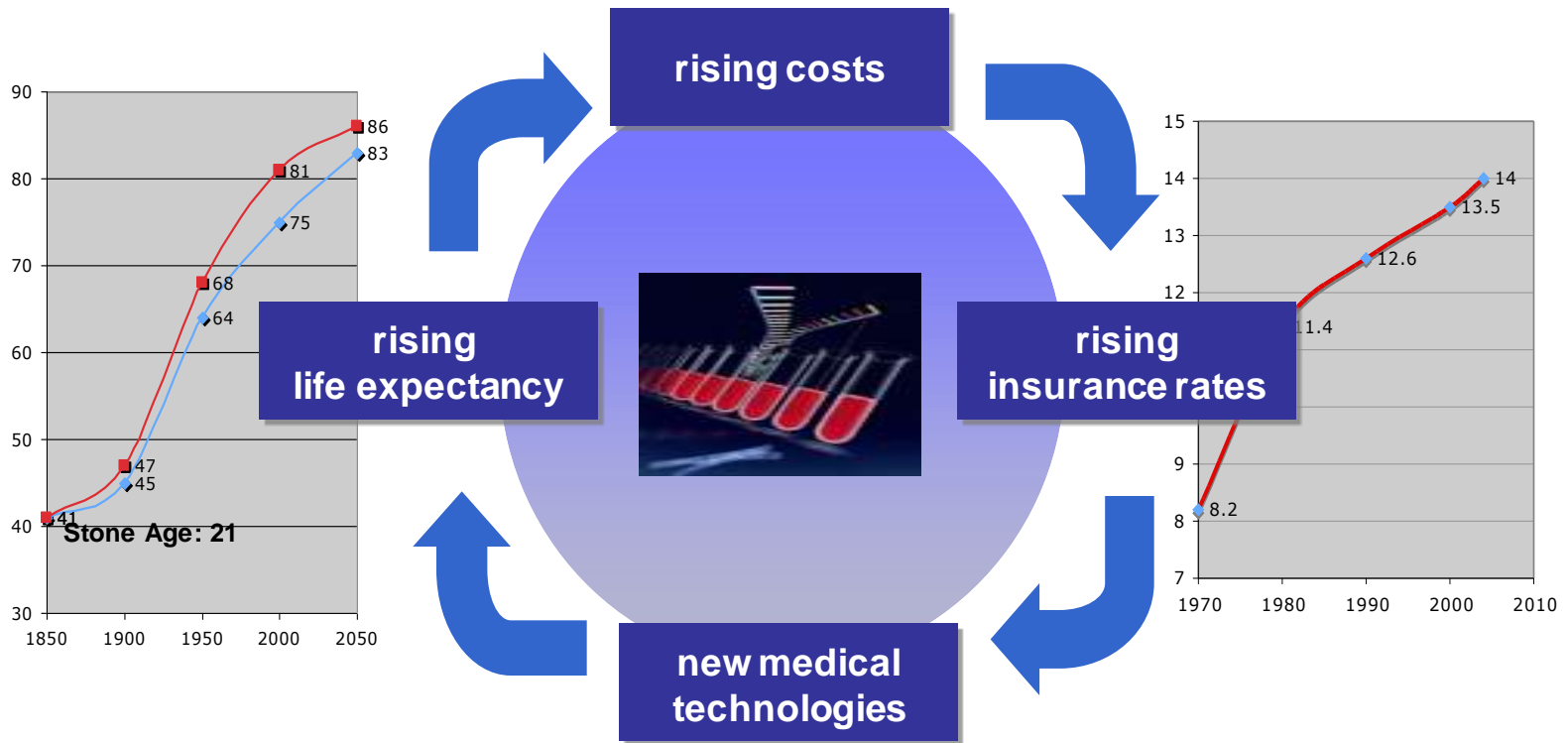# E-Health and Long-Term Care

2nd International Conference on Evidence-Based Policy in Long-Term Care

London School of Economics, Sept. 6, 2012

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Global challenges
- spiraling costs -

Federal Ministry of Health

rising costs

rising life expectancy

rising insurance rates

new medical technologies

Stone Age: 21

Greying Population

→ As the population ages, the number of persons with care needs increases

→ Demand for medical and long-term care grows

→ Central topics are case management, integrated care, discharge management

→ Long-term care has a key health care role to play in an ageing population

Political targets
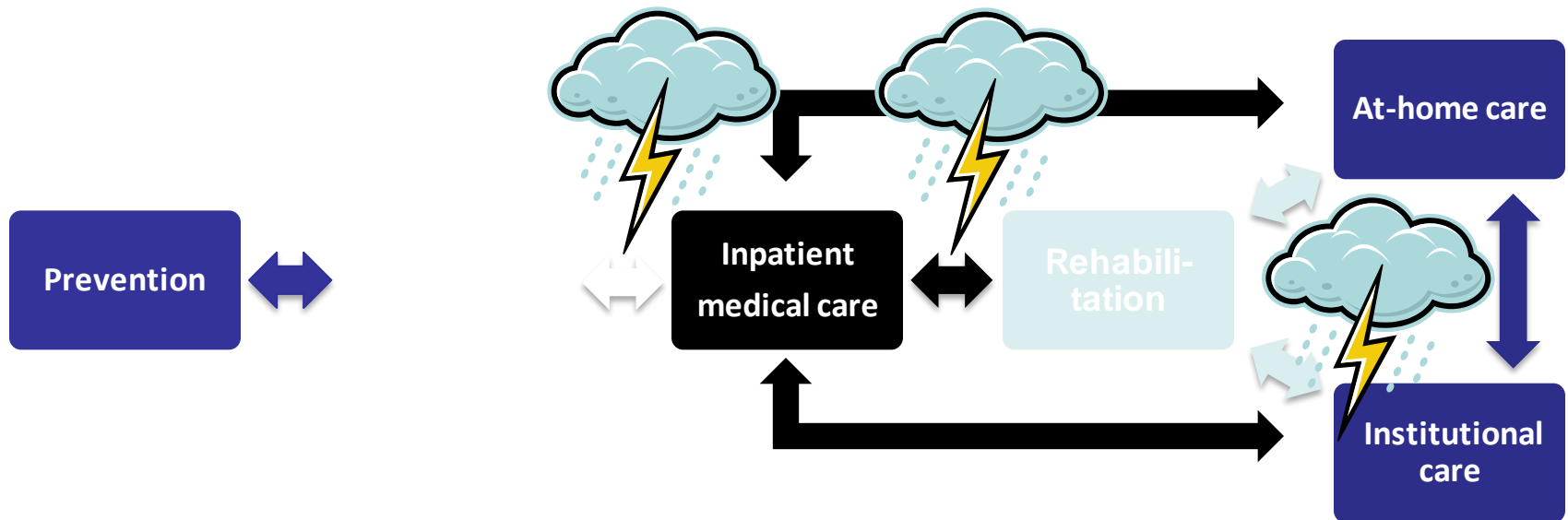## - and the contribution of ICT -

Boosting the **quality and reach of medical services**

- **Empowering the patients**

- **Enhancing the efficacy** of national insurance contributions by

  - Avoiding unnecessary follow-up costs

  - Avoiding adverse effects (i.e. adverse drug even

  - Avoiding submission of false claims

  - Reducing administrative expenses

Modernising the health system

Typical patient trajectory in the German health care system

Nursing care

→ Nurses active in all care sectors

→ Nursing care essential in case management, integrated care, discharge management

→ Nurses must substantiate and document care activities based on patient care process. They need comprehensive patient data

→ Telematics infrastructure is a central element in networking of care sectors
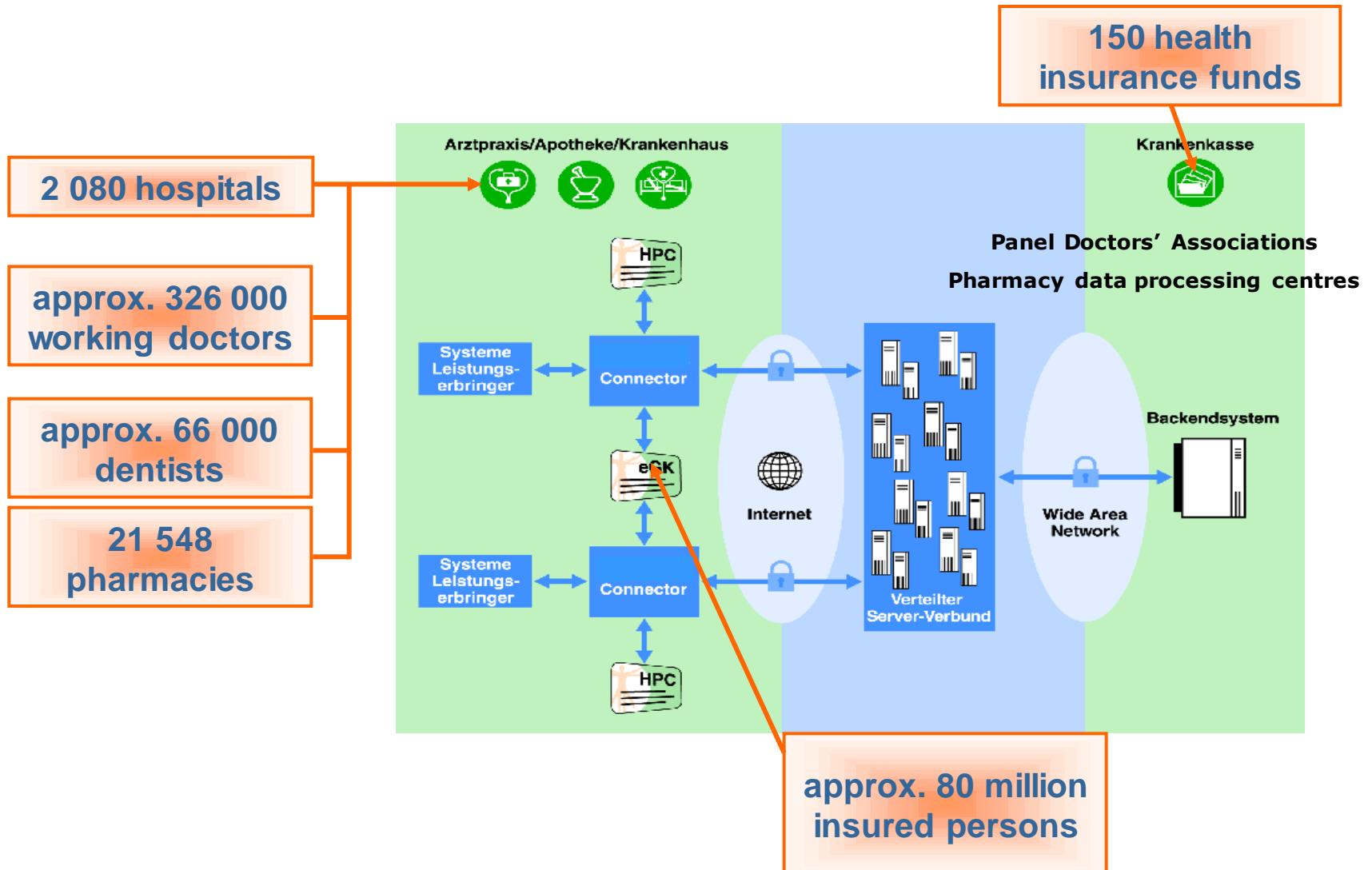
New approaches

→ Organisation of cooperative care

→ Delegation of medical procedures

→ Better organisation of discharge management

→ Telemedical services

Use of Telematics in Long-term Care

→ Communication between health care providers, e.g. doctor - nurse

→ Communication between health care provider and patient

→ Mobile communication

→ Ambient Assisted Living

The use of the eHealth Card needs a modern IT infrastructure

Federal Ministry of Health

150 health insurance funds

2 080 hospitals

approx. 326 000 working doctors

approx. 66 000 dentists

21 548 pharmacies

approx. 80 million insured persons

Arztpraxis/Apotheke/Krankenhaus

Krankenkasse

Panel Doctors' Associations

Pharmacy data processing centres

HPC

Systeme Leistungs-erbringer

Connector

eGK

Internet

Verteilter Server-Verbund

Wide Area Network

Backendsystem

Systeme Leistungs-erbringer

Connector

HPC

Status Quo of setting the infrastructure

Based on the coalition treaty, the following applications are being energetically pursued:

1. Online updates of insurance members' data

2. Secure communication among service providers

3. Set of emergency data

4. Medication safety checks

5. Patient summary; electronic health record

**Electronic health record: multi-professional care scenario
discharge/ transfer management**

- → Discharge management is the hospitals' task
- → Discharge and transfer management starts the moment care provision starts (both inpatient and outpatient care)
- → Central element of a 'good' discharge is communication on various levels, i.e. with the citizen/patient and their relatives, within the multidisciplinary care team and between the care providers in the various sectors involved
- → The anticipated demand for transfer documents is in the range of ca. seven million per year

Federal Ministry
of Health

Questions ?

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