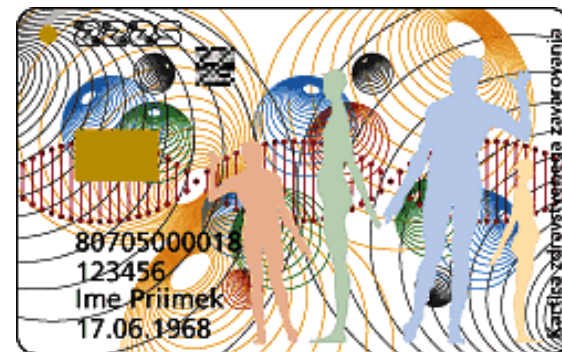




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Zavod za zdravstveno zavarovanje Slovenije  
**HIIS - Health Insurance Institute of Slovenia**

# E-prescribing in Slovenia



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## Cost-containment policy

1. Monitoring of issued medication data over more than 20 years
2. Continual cost rationalisation measures:
  - **1991**: Introduction of drug lists  
positive -73%, intermediate -2%, negative -25%,
  - **1994** Limitation of prescriptions (not in use anymore)
  - **1996** New restricted list
  - **1998** and **2001** The regulation on pricing criteria
  - **1999** Prescribing limitations
  - **2003** Reference pricing system
3. Continual improvement of the quality of prescribing
4. Promotion of safe medication through education

## Predecessor activities: HIC

Health insurance card in place

- Involving all national health insurance providers and all health care service providers
- Infrastructure for further enhancements established
- Currency and accuracy of data on the person and his/her health insurance cover at the doctor's office and in the pharmacy



Card functionality enhancements completed to day:

- incorporation of the third HI provider,
- recording of commitment for organ donation for transplants, recording of issued medical technical aids

## Predecessor activities: EDI

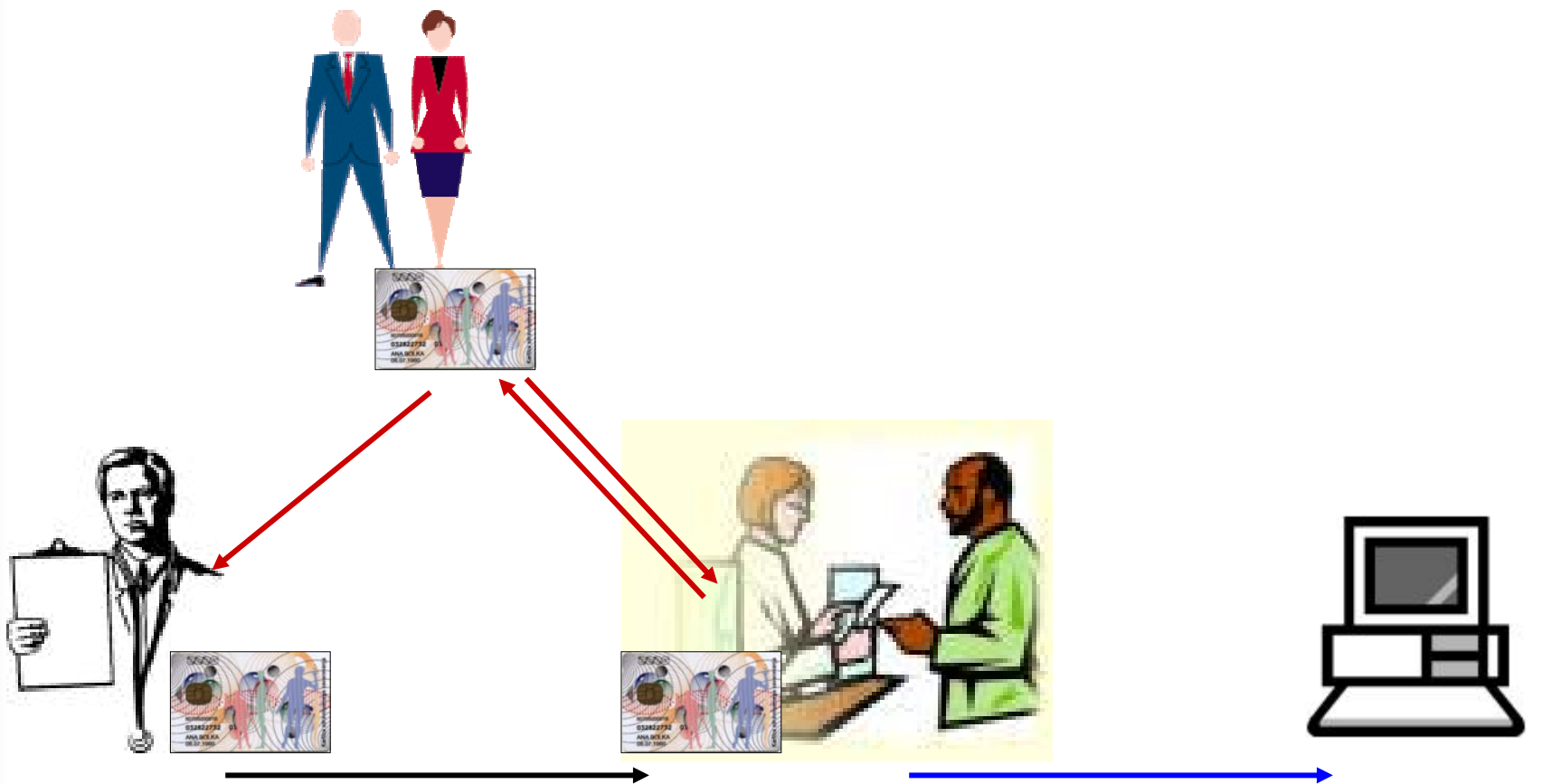
Finished and proven in practice: interchange of data on issued drugs from all pharmacies to HHS:

- All data of drugs issued on prescription archived in the HHS central database
- Substantive and financial data per person for last 20 years
- EDI technology

Foundations for future development:

- central issued drugs database
- established data interchange procedures

# Recording of drugs on the HIC



**Doctor**  
Prescription  
reads the data  
from the card

**Farmacist**  
issue of drugs  
Reads and writes the  
data from/on the card

**HIIS**  
Central database  
of issued drugs

## Recording of drugs on the HIC

Aim: information on drugs already issued:

- to the doctor - assistance in drug prescribing
- to the pharmacist - assistance in the issuing and implementation of the pharmacist's care

Integrity: all HC environments agree on the urgency of providing these data

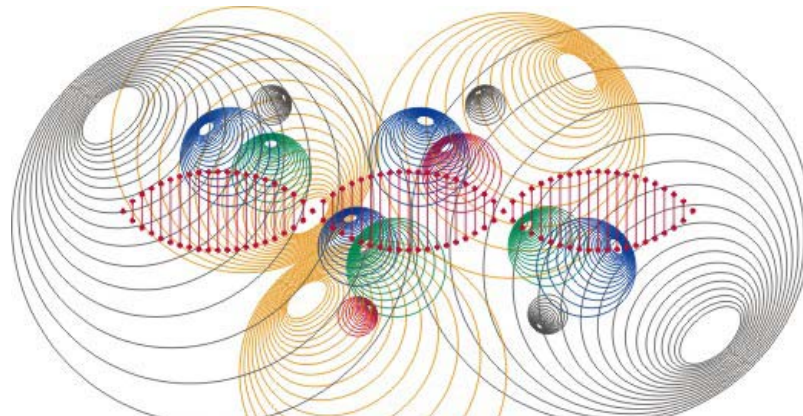
Endorsement in all environments: Ministry of Health, Chamber of Physicians, Chamber of Pharmacists, Public Health Institute

Utilisation of the HIC infrastructure already in place: minimal implementation costs

**Preliminary step towards e-prescription**

# Slovenian health-IT facts and strategy

- Current situation: inadequate equipment with IT at all levels
- First strategic goal: advanced HW equipment (competency of the Ministry of Health in the public sector)
- Further strategic goals:
  - Development of a common data warehouse with central databases (first: drug database = prerequisite)
  - Development and implementation of expert SW to support decision making processes



# Plans for implementation of e-prescription

## 1. Implementation of PKI on the health professional card

HC needs identified:

- interchange of data within HC,
- access to information in central databases

Implementation time schedule depends on financial and human resources

Realistic expectations:

e-signature on professional cards in two years



# Plans for implementation of e-prescription

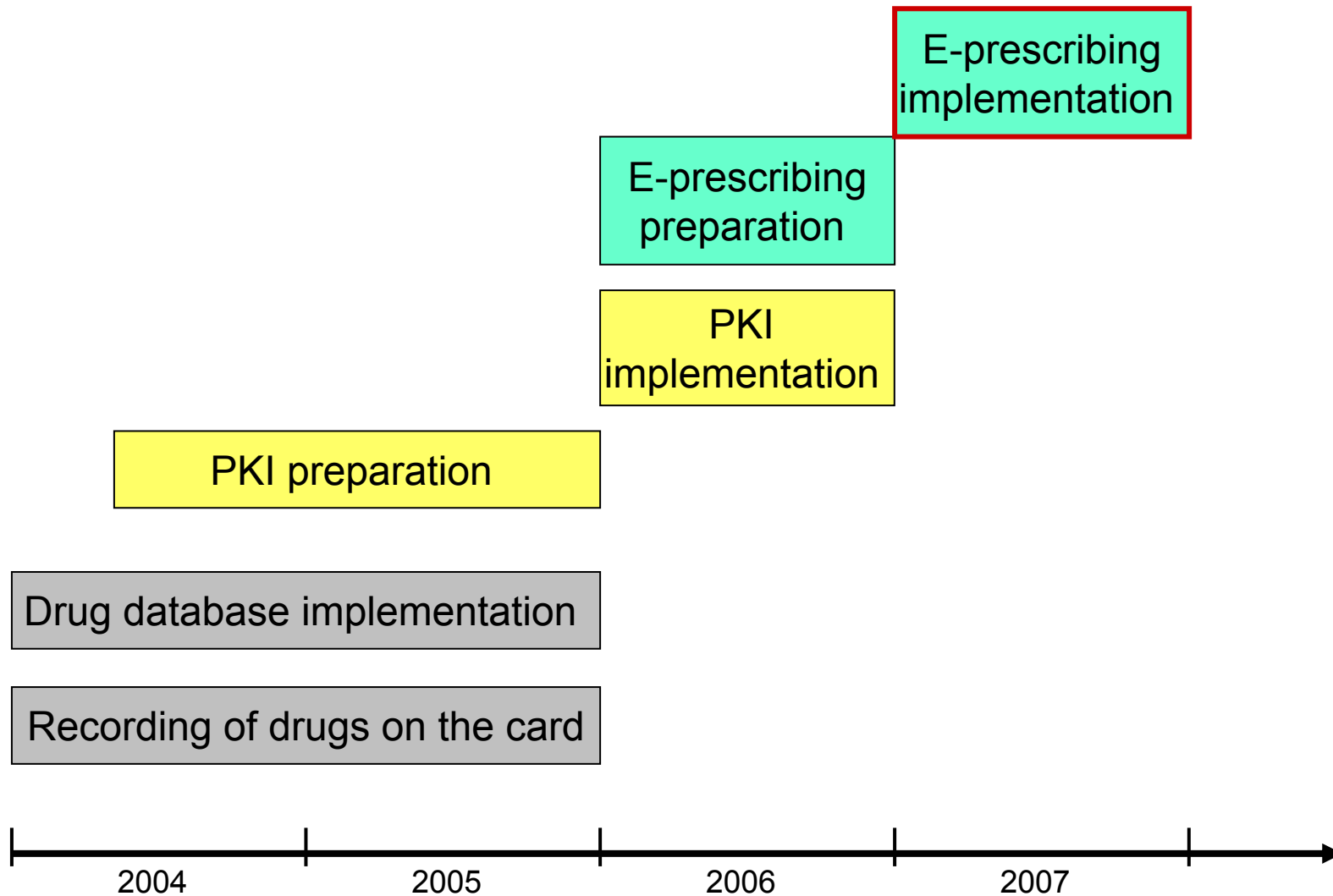
## 2. Preparation for e-prescription

- After the project of recording drugs on HIC
- Parallel with implementation of PKI

## 3. Implementation of e-prescription

- First: pilot implementation in one region
- National wide implementation finished in 2007

# Plans for implementation of e-prescription





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