eHealth Solutions in Europe – Examples from Selection of Adjacent Countries

Slovenian Experience

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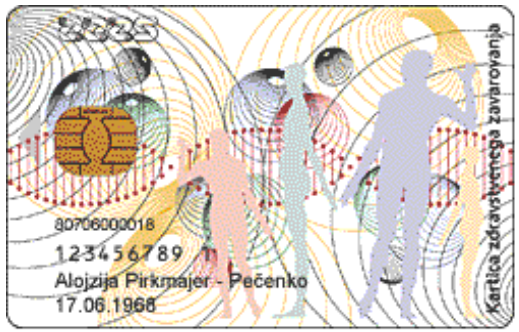
eHealth 2005 – München, 21 April 2005

History of Introducing National Health Insurance Card System

- 1994-1996: studies, database consolidation and data cleansing, initial system design, cost/benefit analysis (4 years ROI)
- 1998-1999: Pilot implementation (3% od population, full system functionality)
- 1999-2000: National implementation

System Components

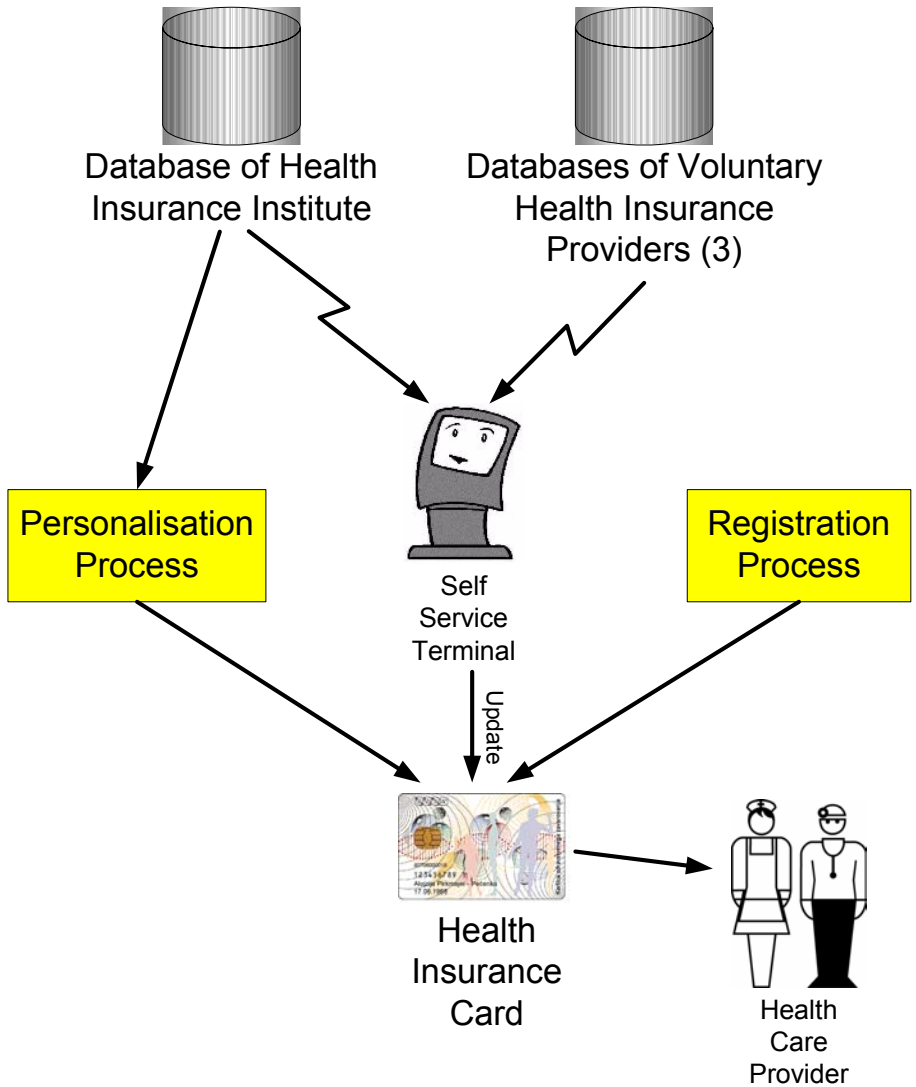
- 1.950.000 Health Insurance cards (smartcards, ISO 7816:1-6 compliant)
- 20.000 Health professional cards (key to access data on HIC)
- Card readers (desktop 6630, keyboard integrated 230, portable 890; MCT 0.9 compliant)
- Program libraries
- 300 Self service terminals



Initial System Functions

F1:

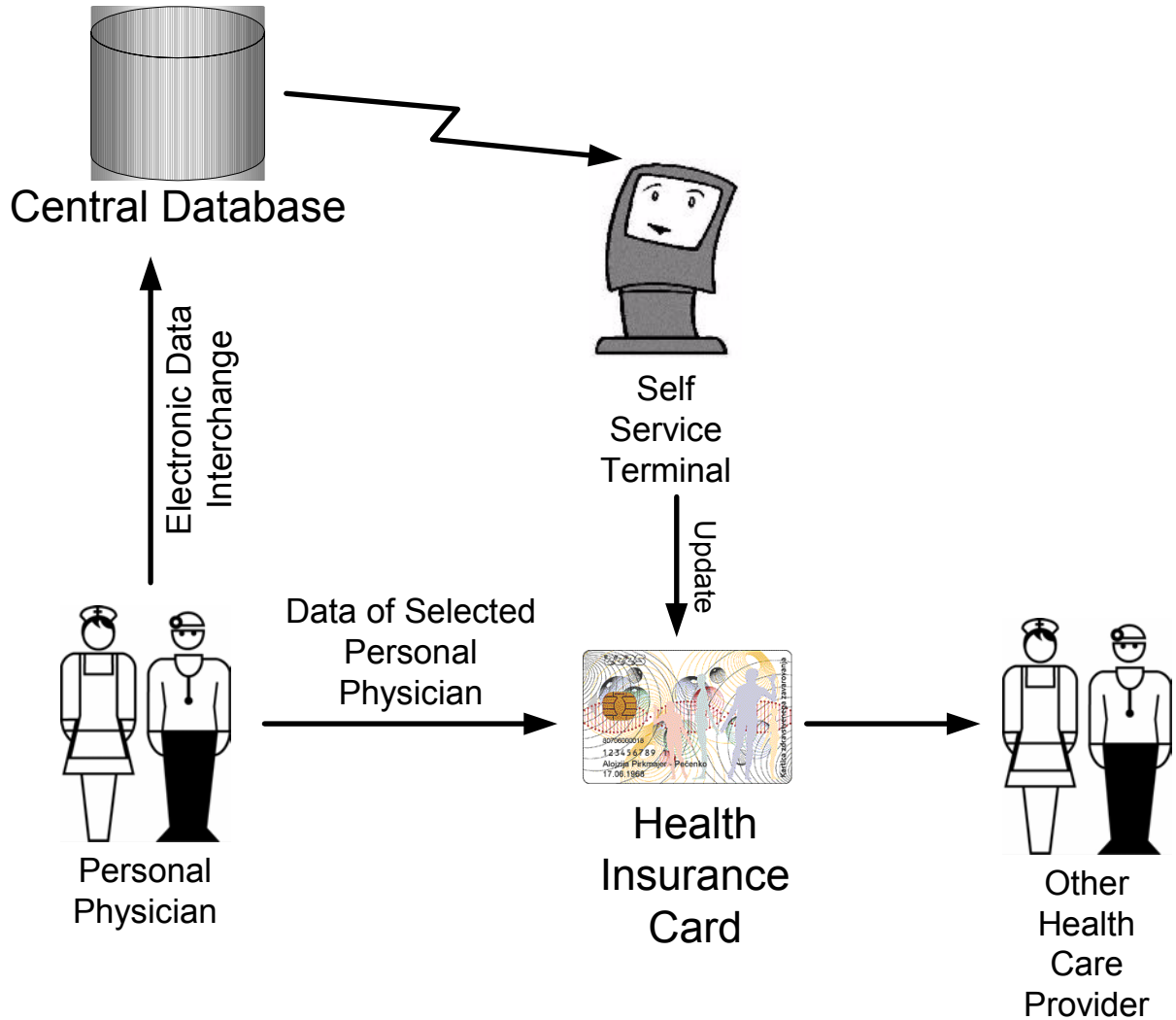
Providing accurate and up-to-date personal and health insurance data



Initial System Functions

F2:

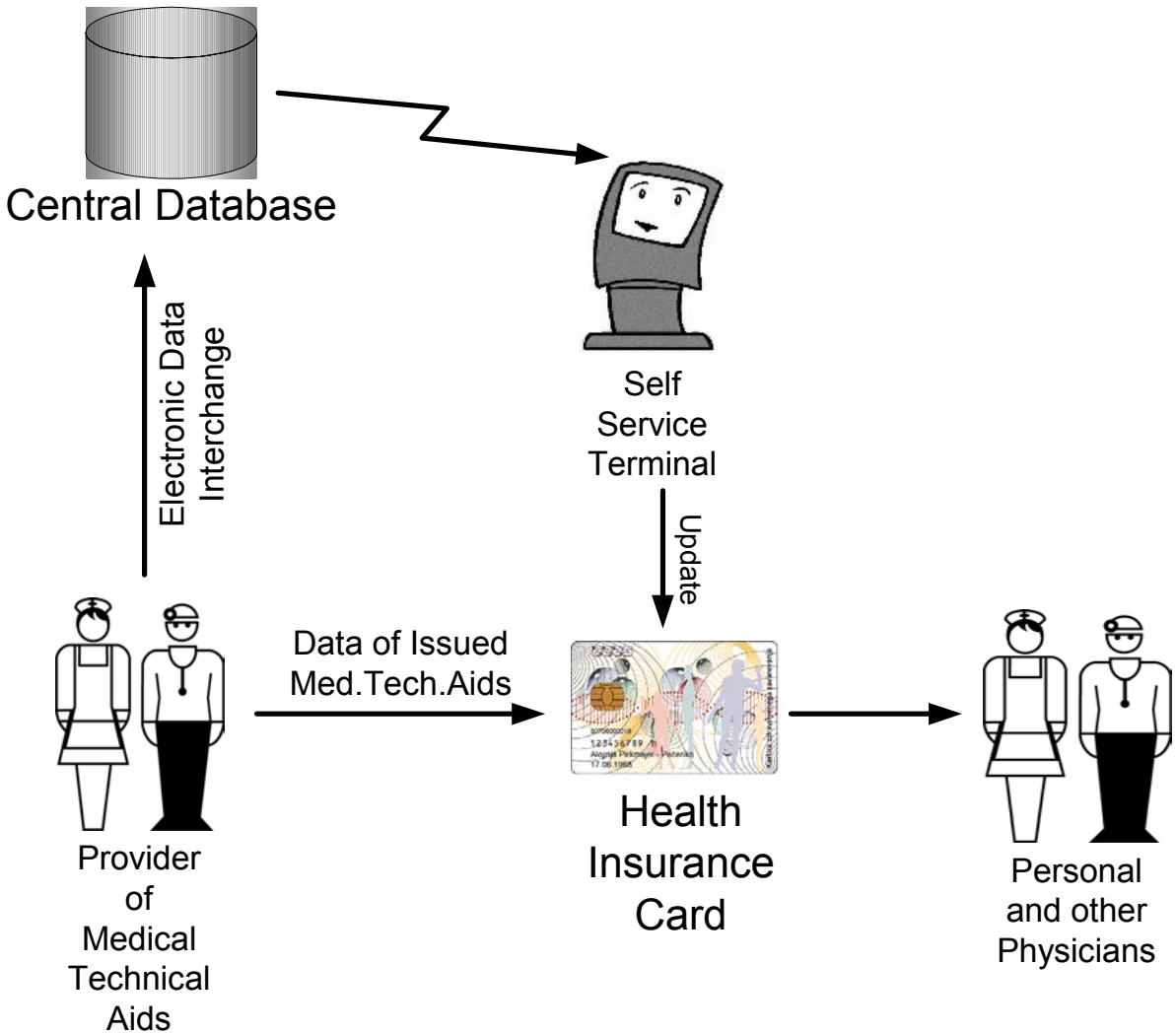
Selected personal physicians



Additional System Functions

F3:

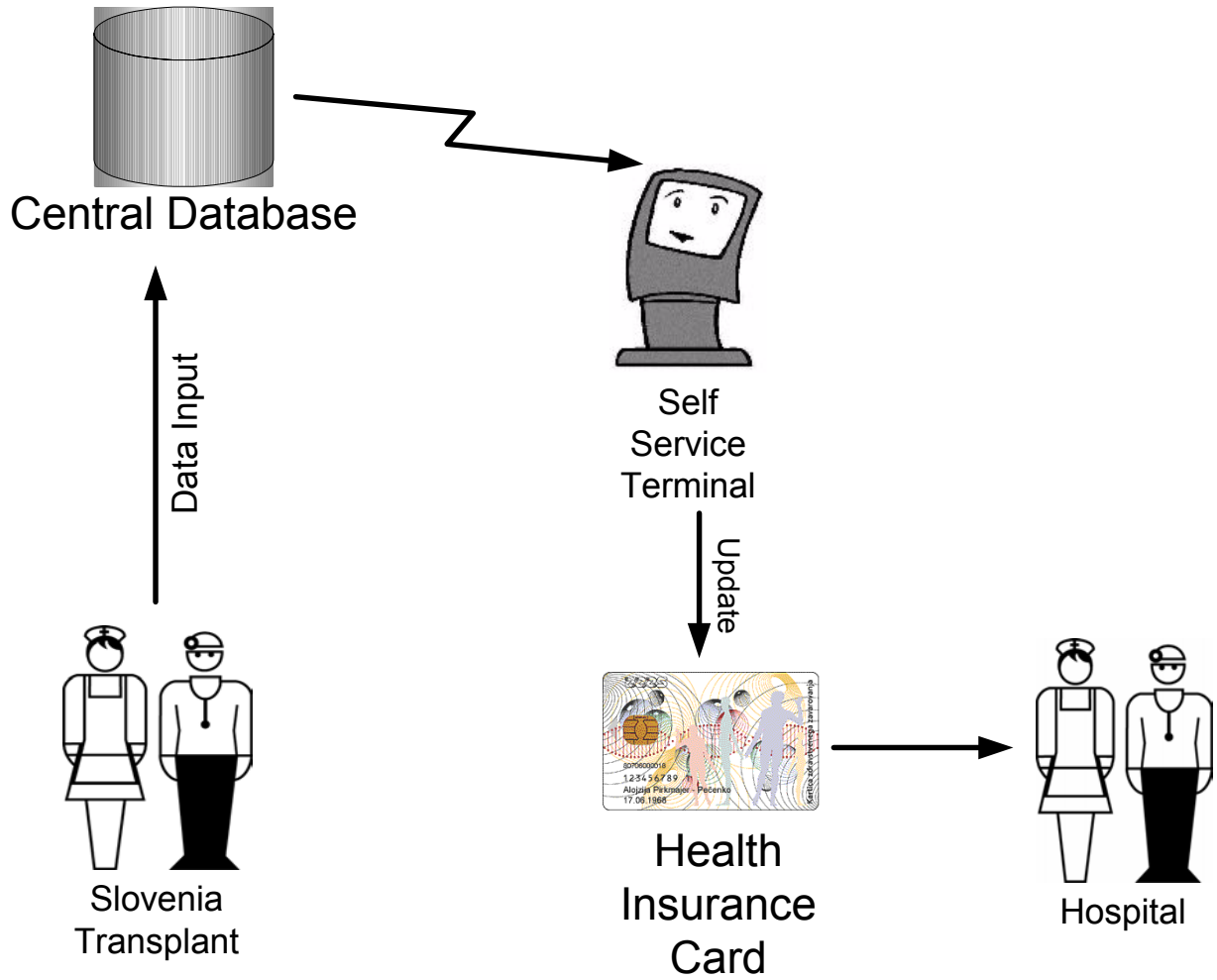
Issued medical technical Aids – implemented in 2003



Additional System Functions

F4:

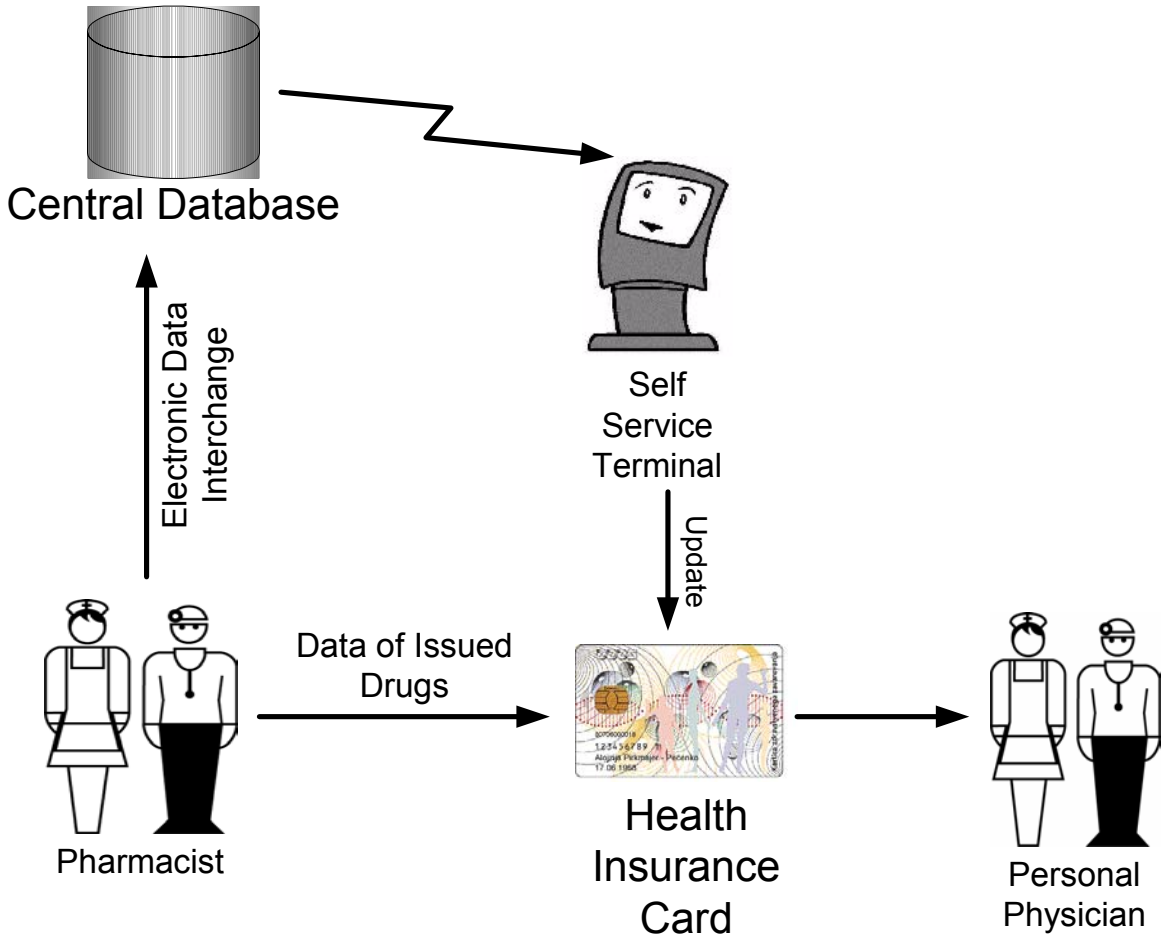
Posthumous donorship of organs and tissues for Transplants – implemented in 2004



Additional System Functions

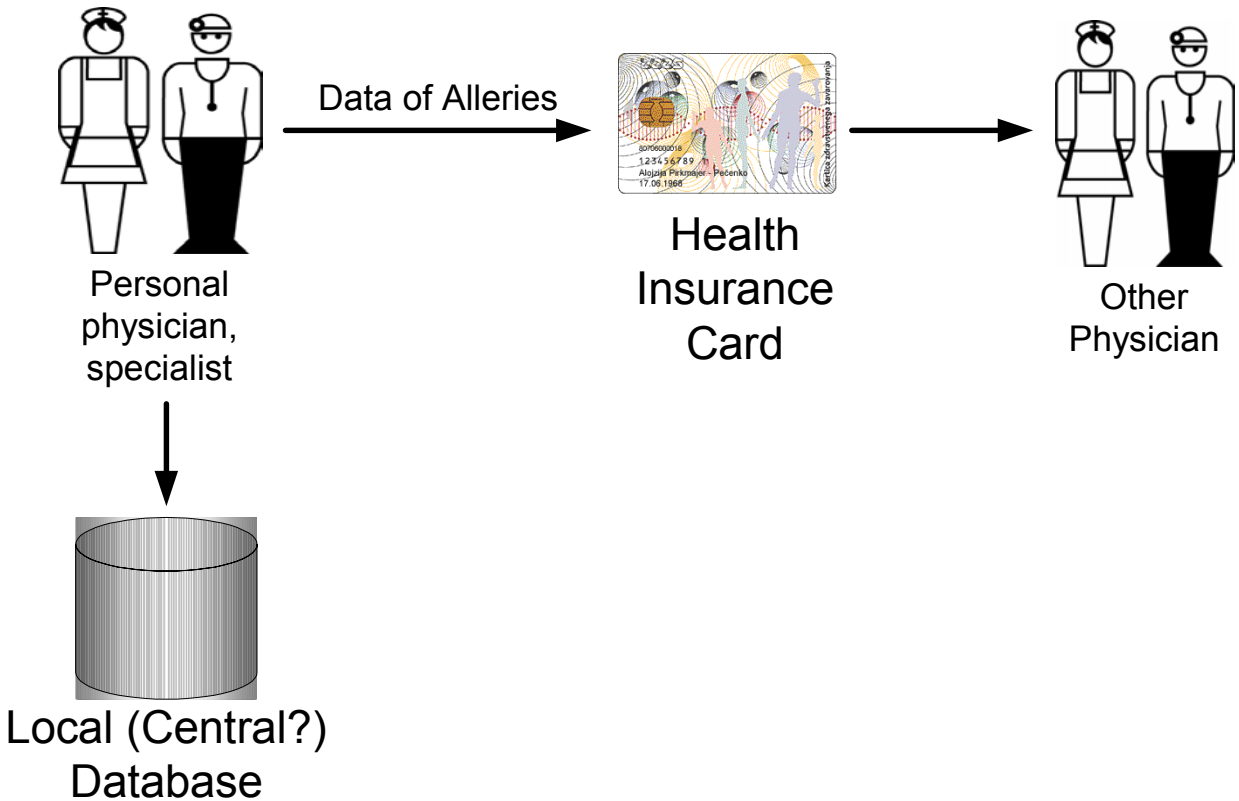
F5:

Recording issued drugs - pilot implementation in June 2005



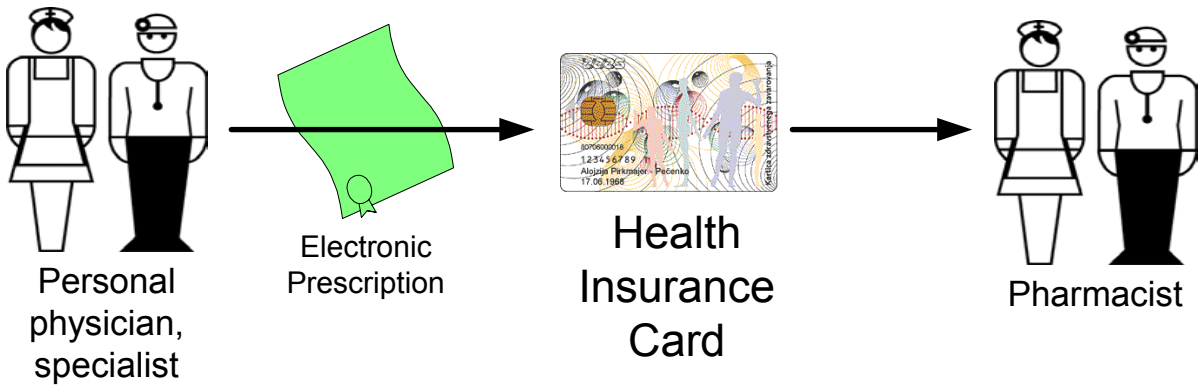
Additional System Functions

F6: Recording data of allergy to drugs, food, bites of insects and Latex – pilot implementation in June 2005



Additional System Functions

F7: PKI and e-prescription – planned implementation in 2007



New Health Professional Card will be an important basis for secure e-health solutions.

System Acceptance

- The Health Insurance Card System was well accepted.
  - Patients: easier and faster acces to health services
  - Nurses: faster identification of the patient, less paper-work
  - Physicians: satisfied, but still many of them not using computer (necessary for accessing data on the HIC and for e-prescription)
  - Management of health care providers: less rejections of inovices to insurance companies
  - Insurance Providers: better discipline of payments of premiums

European Perspective

- Slovenian experts share the experience with colleagues in other countries and contribute to the development of pan-European solutions.
- We take an active part in the Netc@rds project.
- This year preparing a pilot Netc@rds implementation in a Slovenian region:
  - Supporting all 4 Netc@rds scenarios for foreign patients.
  - Enabling scenarios 1 and 4 for slovenian patients using health care services in other countries. The Netc@rds dataset will be added to Slovenian Health Insurance Card.