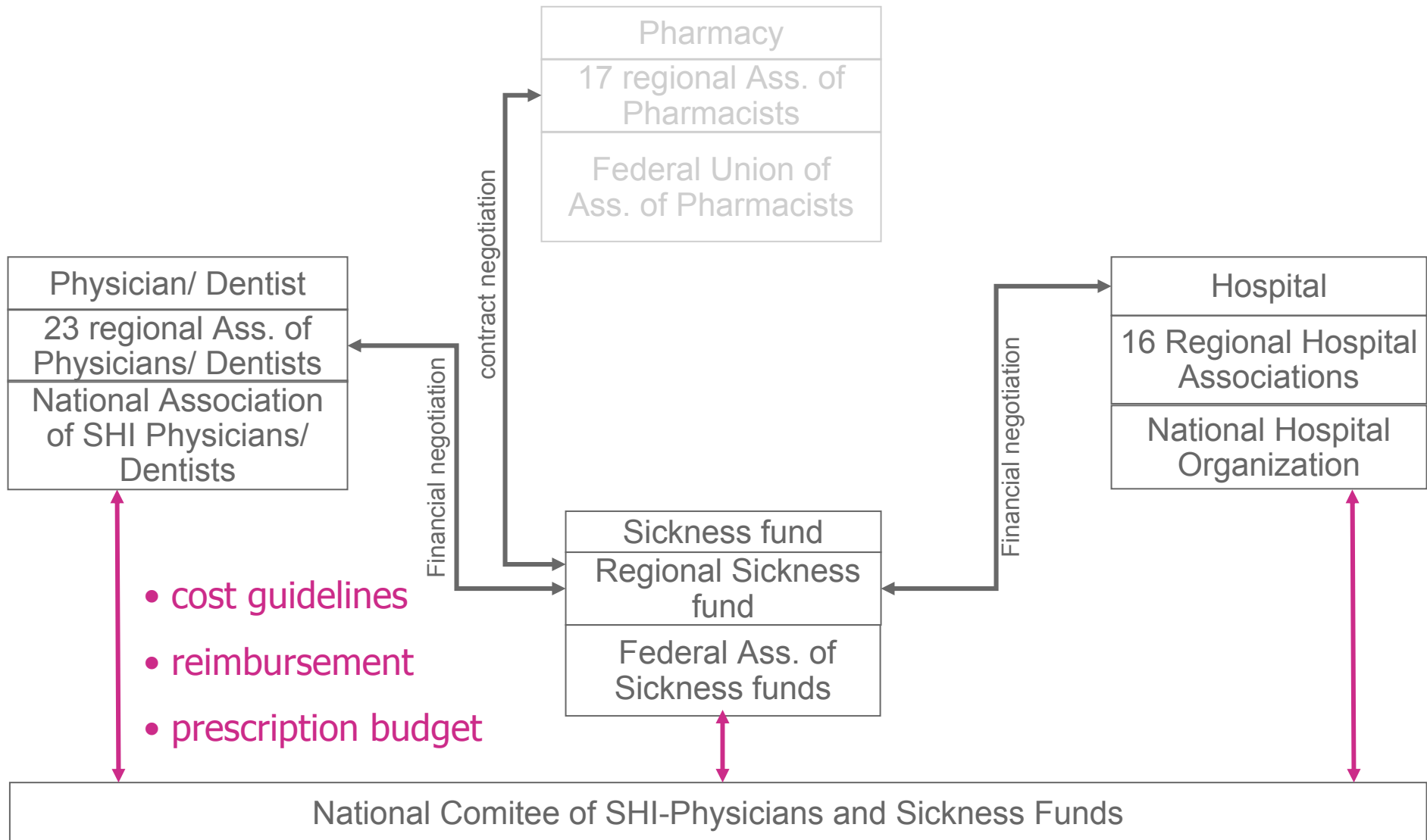


# Planning and Achievement in Germany

Dr. rer. nat. Eva Susanne Dietrich  
National Association of  
Statutory Health Insurance Physicians  
Amsterdam-Schiphol  
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# The German Health Care System

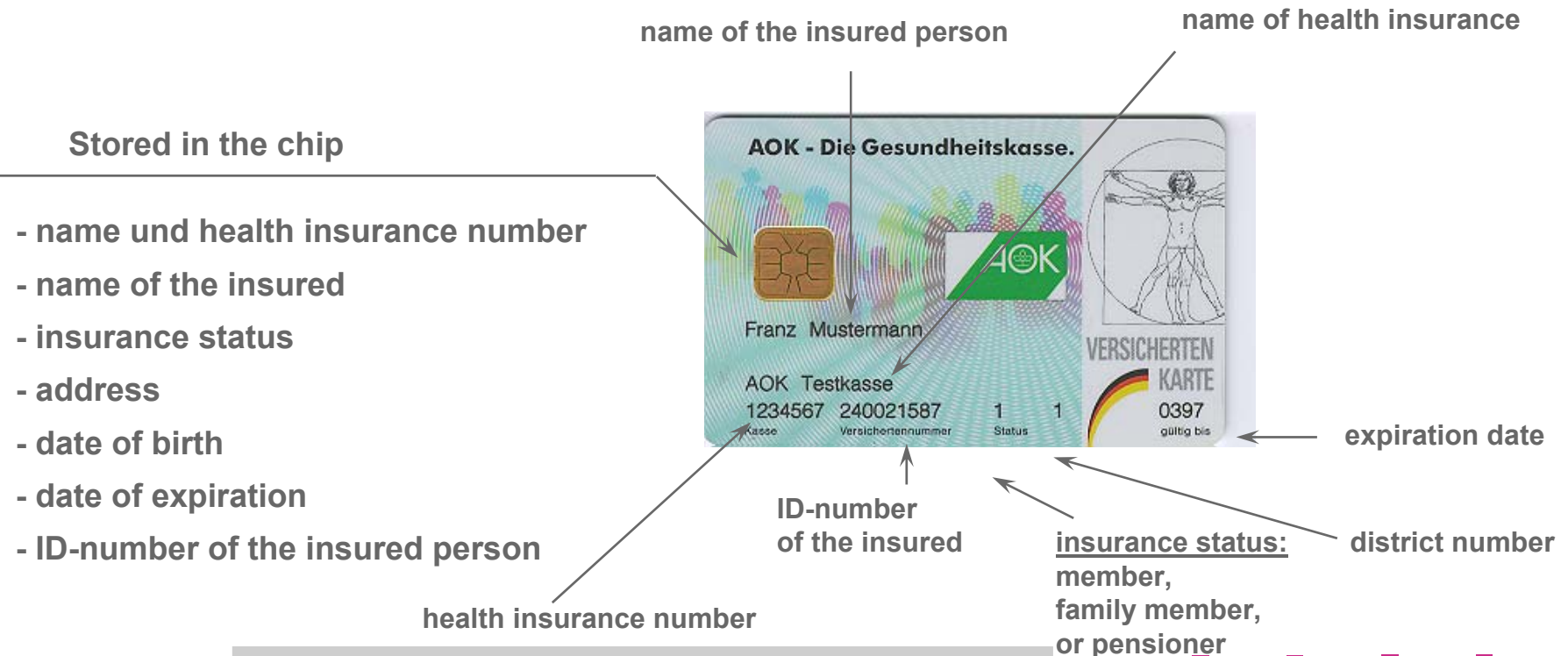


## Challenge of e-Prescription in Germany

- Introduction of an infrastructure dealing with
  - 900 million prescriptions per year
  - a volume of 22 billion €
- Introduction of an infrastructure connecting
  - over 80 million people insured
  - 270,000 physicians
  - 77,000 dentists
  - 22,000 pharmacies
  - 2000 hospitals
  - over 300 SHI funds

# Starting position: Current Health Insurance Card

- 72 million Statutory Health Insurance Cards (PDC)
- ID for using Healthcare Services
- Administrative Information on Memory Chip



**ATG founded**

**1999**

**2000**

**2001**

**2002**

**2003**

**ATG Managementpapers**

**Development of a national strategy**

Ministries of Health  
Fed. Ministry of Health  
ATG

**Kick off bit4health**

**Joint statement on Telematics in Healthcare**

Fed. Ministry of Health  
Self-governing organisations

## Recommendations

- **increased quality and rationalization**
- **optimized process chains**
- **better pharmacological, medical und administrative data**
- **early delivery of identical and suitably structured data**
- **introduction of a security infrastructure**
- **use of international standards**
- **use of existing techniques**
- **cross-platform architecture connecting all participants**

## Obstacles

- use of data – data access
- „observation“ of physicians
- financing
- data protection
- solution architecture
- technical incompatibility

### SHI Modernizing Act 2004

#### Social Codebook V

- priority to e-communication in healthcare (§67)
- financing (§67)
- unique lifelong health insurance number (§290)
- modification of health insurance card (§291)
  - photograph §291(2)
  - gender §291(2)
  - co-payment §291(2)

## Legal framework (II)

- new e-Health Insurance Card (eHC) (§291a) with technical support for:
  - authentication
  - encryption
  - electronic signature
- e-prescription mandatory (§291a Abs.2;1)
- simultaneous introduction of the HPC



## mandatory:

- administrative data
- co-payment status
- e-prescription
- European Health Insurance Card (EHIC)

## appropriate for:

- medication data
- emergency data
- patients receipt
- e-patient record
- e-medical report
- ...

## Security concept – data security

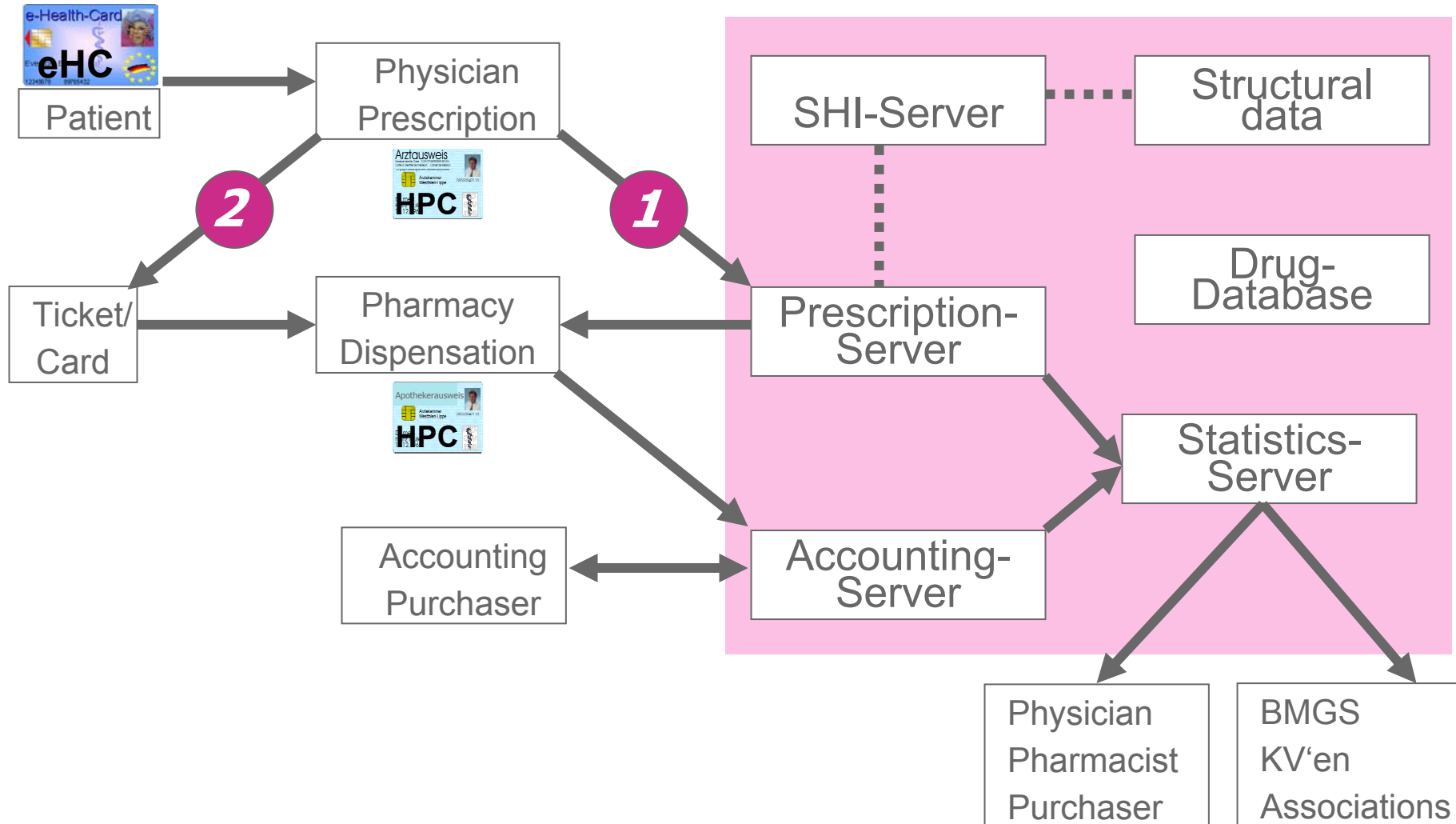
- access only with HPC
- public key infrastructure
- data access record
- insured have the right to examine their data
- access must be authorized by insured  
(accept: e-prescription, emergency data)

## Legal framework (III)

### Reglementation of data access §291a(4)

- e-Prescribing/ mandatory features:
  - physicians
  - dentists
  - pharmacists, pharmacy-staff
  - other health care providers
- further features:
  - physicians
  - dentists
  - Pharmacists
- in case of emergency
  - other health care professionals with an state controlled education

# e-prescribing process - server network – data flow



# Roll-Out planning from the bIT4health project

## Milestones

