Cards and beyond
- First steps towards a European Health Record -

Rolf Engelbrecht

GSF National Research Centre for Environment and Health,
Munich-Neuherberg / Germany

Key problems of Medical Information Systems

- access to actual and relevant patient data and clinical knowledge (evidence, guidelines, reference data and cases)
- user-friendly data entry and retrieval systems for clinicians and other health professionals which improve efficiency, reduce risks and return investments
- **Communication between**
  - ***Physicians***
  - ***Nurses***
  - ***Clerks***
  - ***Patients and relatives***
  - ***Institutions***
  - ***Organisations***

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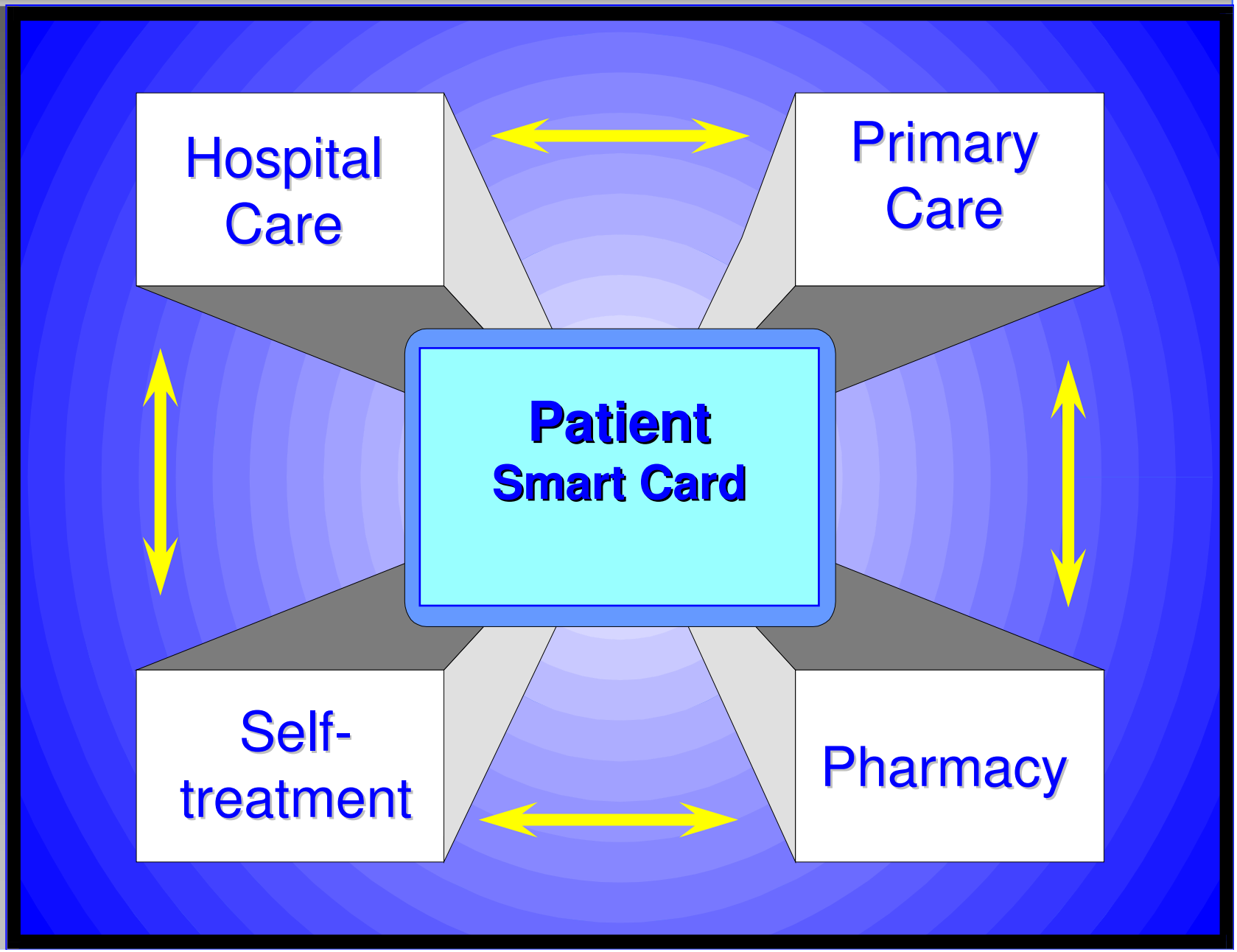
Communication model



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Purpose of health records

- **Communication by**
  - *Documentation and*
  - *Transporting of Data and information*

for

- **The same person**
- **Co-treating person**
- **Legal purposes**
- **Research**

Interoperability levels

- Technical, enabling the use of different environments
- Semantic, a common definition of the data content,
- Data presentation, in order to integrate the different applications
- Legal
- Security, to ensure a trustful environment

DIABCARD Implementation

Data set includes:

- *Site specific data*
- *European/G7 administrative data set for interoperability between G7 card projects*
- *European/G7 emergency data set for interoperability between G7 card projects*
- *Diabetes passport as a basic monitoring tool for all DIABCARD sites*
- *Basic Information Sheet (BIS) for DiabCare quality improvement*

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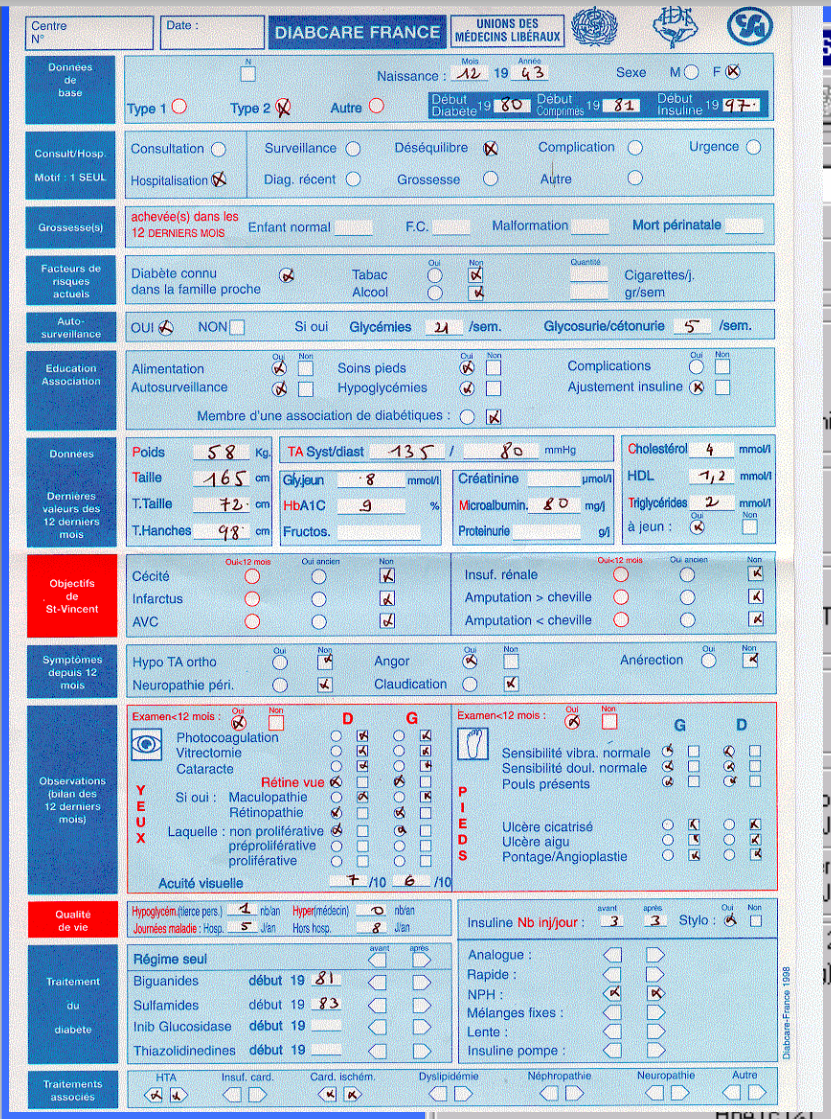
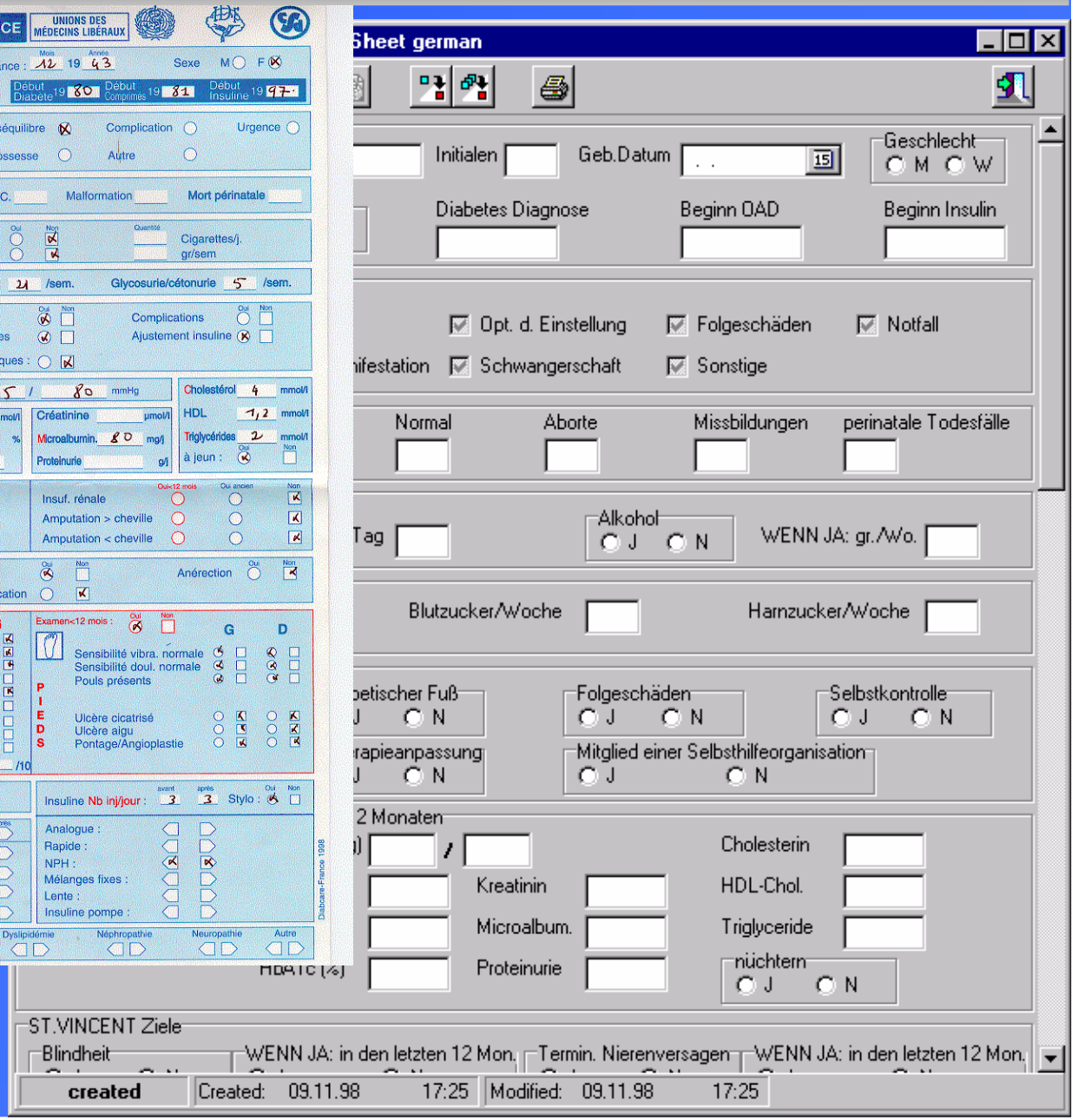
DiabCare Basic Information Sheet (BIS)





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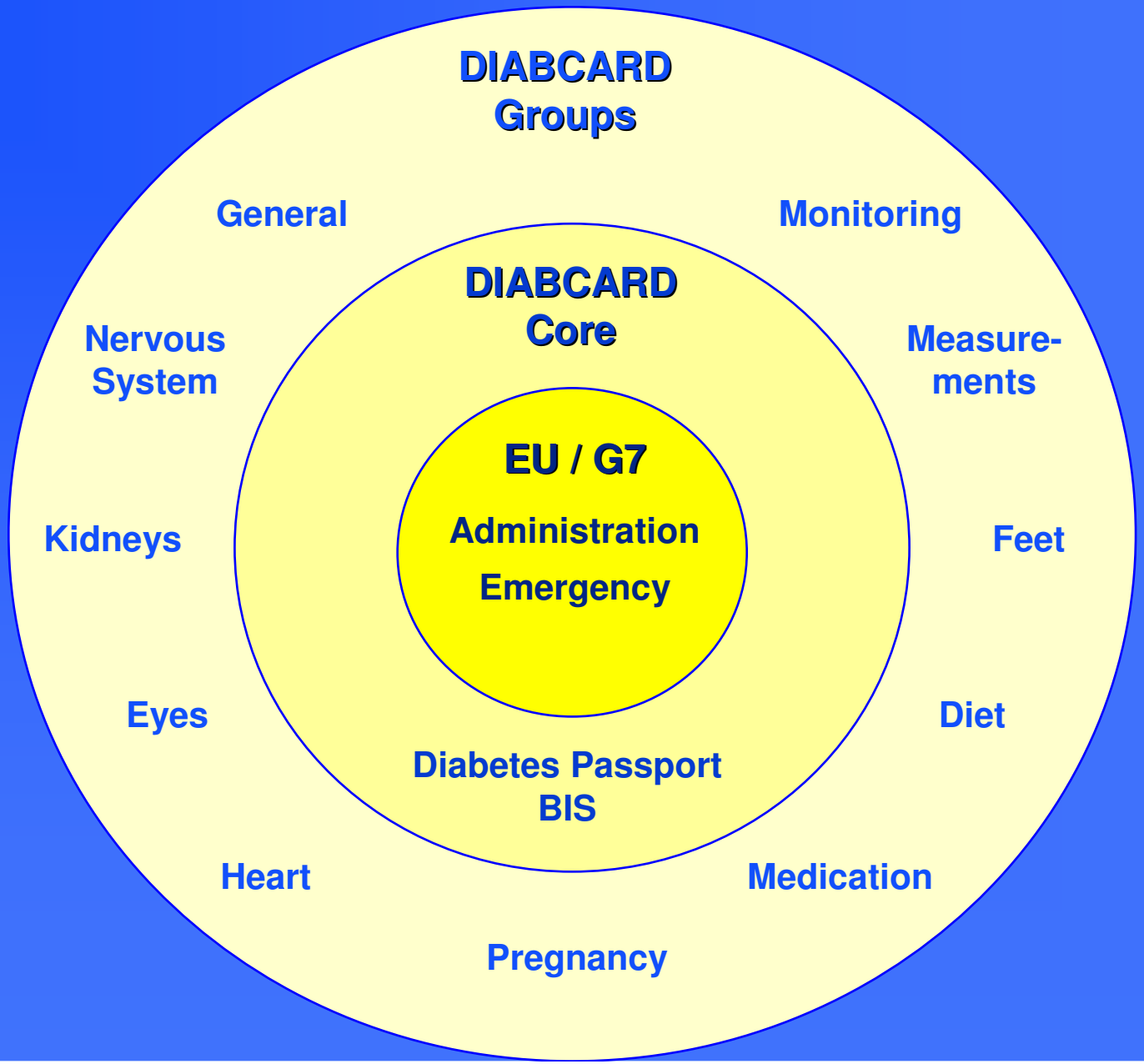
DIABCARD Data Set



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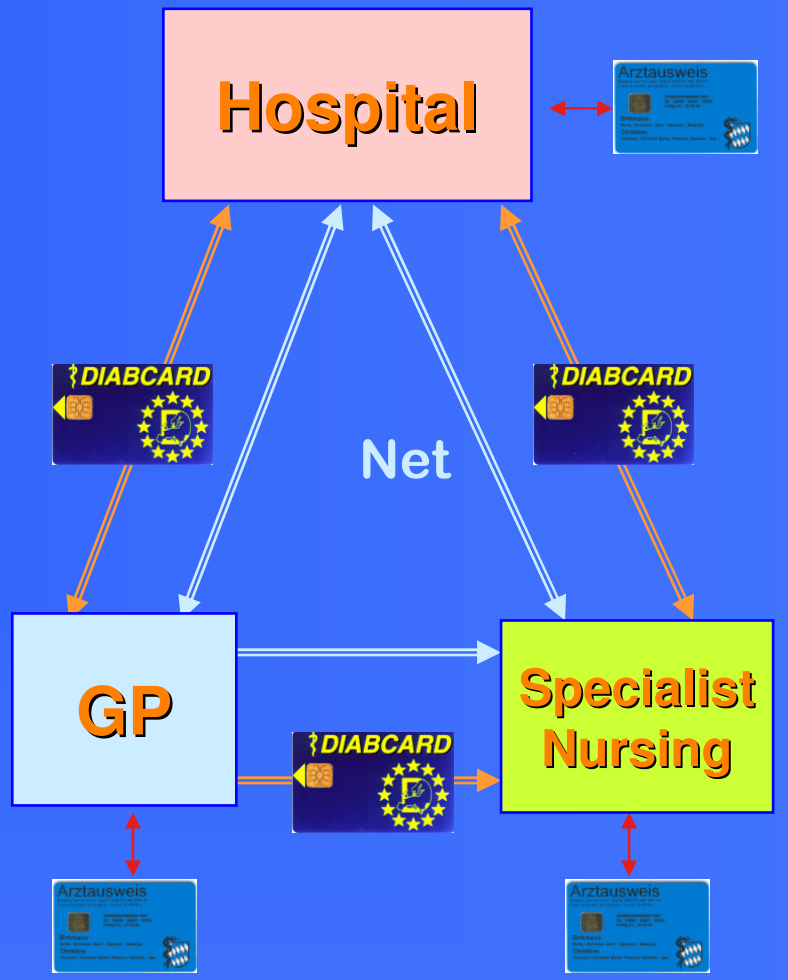
ByMedCard HCPP

- DIABCARD as example for chronic diseases
- New Functions
  - *Secure communication in nets*
  - *Professional Card*
  - *Inclusion of „Strukturvertrag“*
- Integration into care process
- Application of standards
  - *Health Care Professional Protocol*
  - *EHRcom planned*



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Smart Cards

- Will be an integrated access, emergency and communication tool for citizens in the function of
- Health/patient cards with similar functions like professional cards
  + emergency data
  + interim storage of clinical data
  + service oriented data
  + pointers to multi located EHRs
- Professional cards
- Institutional cards

European Health Insurance Card

EUROREC-EFMI Recommendations

EFMI - Special Topic Conference 2003

The content of the Electronic Health Record:
Clinical Datasets for continuity of care and pathology networks

Roma, 6th -7th October 2003

Recommendations – Revised draft

During the Conference, we received 27 forms with the feedback from the participants.

The comments were discussed in an open parallel session with chairs, speakers and volunteers. Then a synthesis was presented in a plenary session. The audience decided to circulate a revised draft (this one) and to discuss it by mail.

The major concern was a better organization of introduction and recommendations – with titles – with a more clear explanation of what we mean by "Clinical Datasets", within a more explicit description of the EHR context (including Natural Language Processing), in particular of the ongoing efforts coping with the theories and the difficult deployment of EHR.

The need for a Roadmap, with practical short term results as well as more long term actions, was stressed (the recommendations were felt too long-term or too abstract). More emphasis on the participation of citizens/patients was suggested.

About the individual statements of Introduction and Recommendations, the vast majority was approving them without comments, whereas several participants requested to clarify them, or provided suggestions to add further details.
A total of 45 suggestions were received, to improve the 8 statements the Introduction (no disagreements). The most troubled statement was the one about the standards on EHR (that now is more detailed, according to the comments).
A total of 47 suggestions were received, to improve the statements in the Recommendations (2 people with disagreements). The most troubled statement was the first one (that now is #6).
The result is the present revised draft, nearly doubling the size of the previous draft.

Some concern emerged about the resources to carry on the activities that are envisaged in this document. The immediate goal of this document is actually to activate the proper amount of skills and resources within voluntary organizations to start the process, promote the mature results and demonstrate the feasibility and the benefits of the approach. The long term goal of this document is to raise awareness in the governmental bodies, to bring eventually the process into the proper institutional context.

Send a reply with your reactions to **info@prorec.it**
Deadline 9th of November, 2003

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Components of Health Information Systems

- Electronic health records which will help manage overall practice and patient documentation
- Electronic prescribing which will effect dramatic changes in drug-selection, prescription-writing, and drug fulfilment processes, but also will enable medication monitoring
- Online communication for legal and clinical purposes
- Remote disease management for new ways of interacting with patients

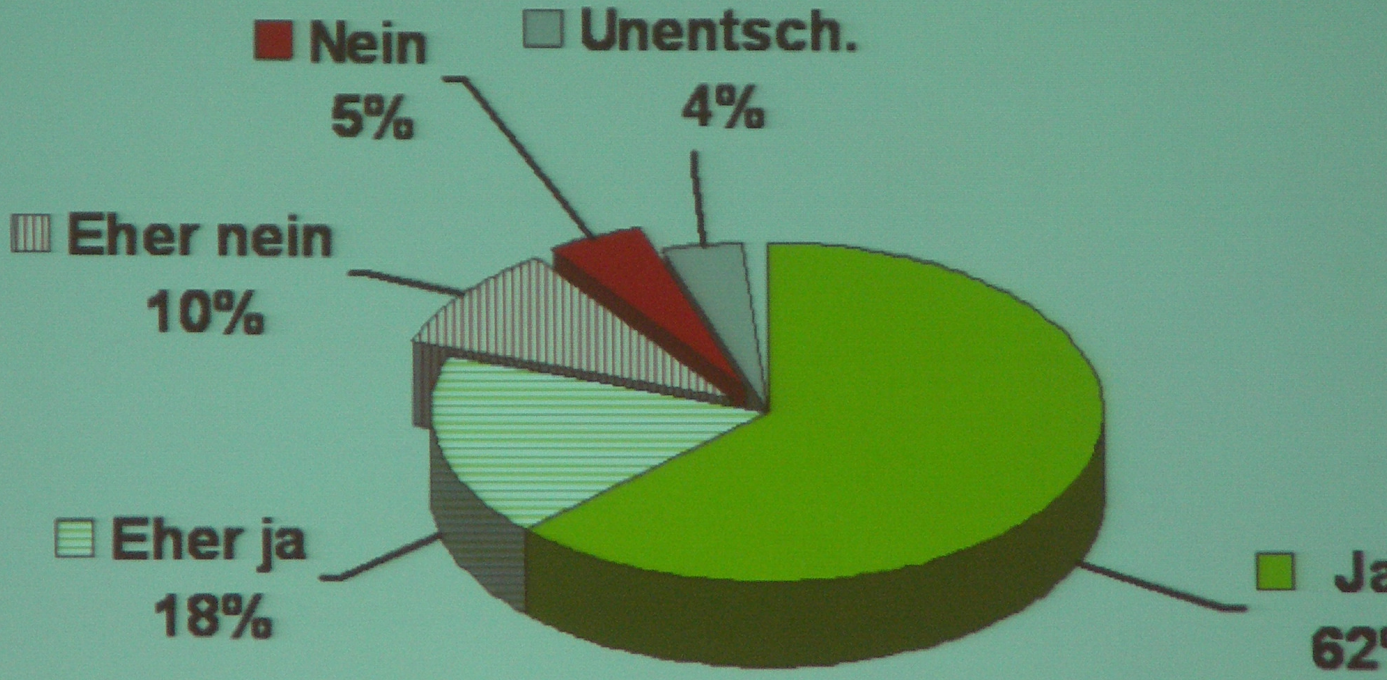
Gesundheitskarte
Schleswig-Holstein

gnw.fl
Gesundheitsnetzwerk Flensburg

GESUNDHEITSINITIATIVE
SCHLESWIG-HOLSTEIN

Akzeptanz von Gesundheitskarte / elektronischer Patientenakte

Frage 1: „Nutzung der neuen Kartenfunktionen“



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GESUNDHEITSINITIATIVE
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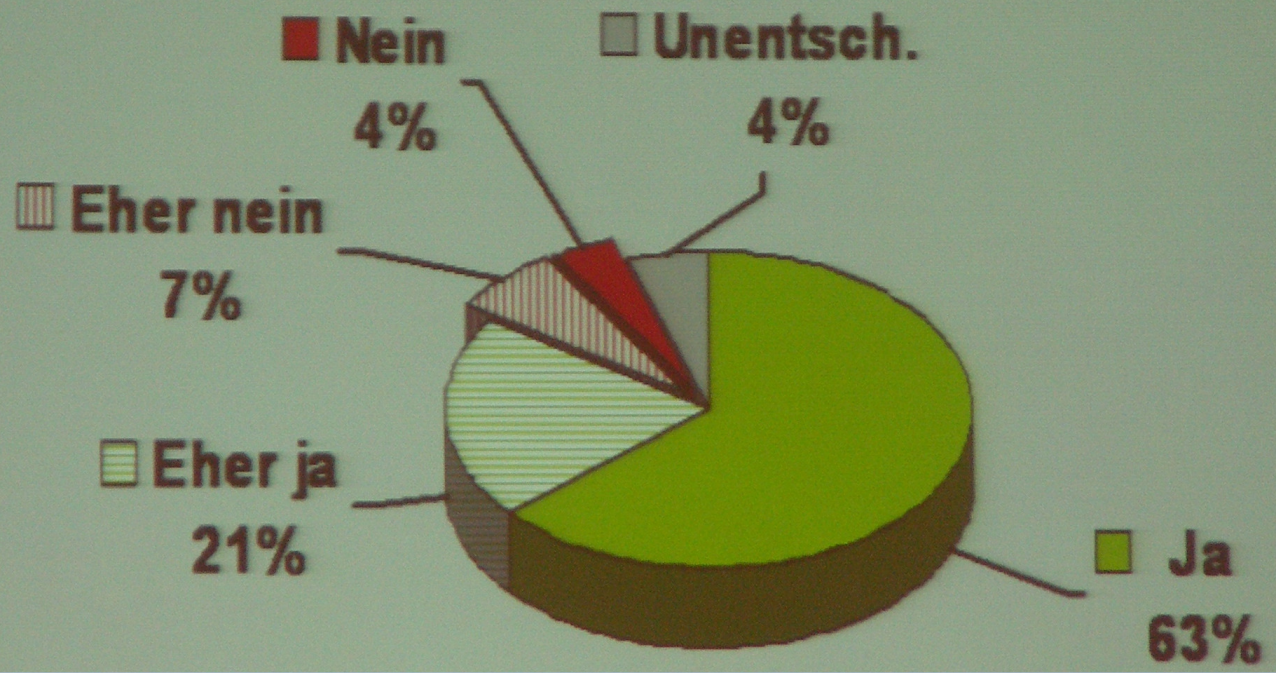
Frage 2: „Nutzung der elektronischen Patientenakte“



EUROREC Institute for EHRs

- **Network of national PROREC centres (Belgium, France, Spain, Italy, Slovenia, Germany, Denmark, . . .)**
- **Tasks**
  - *Forum for EHRs*
  - *Communicating (national) solutions*
  - *Supporting new standards (EHRcom)*
  - *Education*
  - *Certification and quality labelling*

DIABCARD 2005

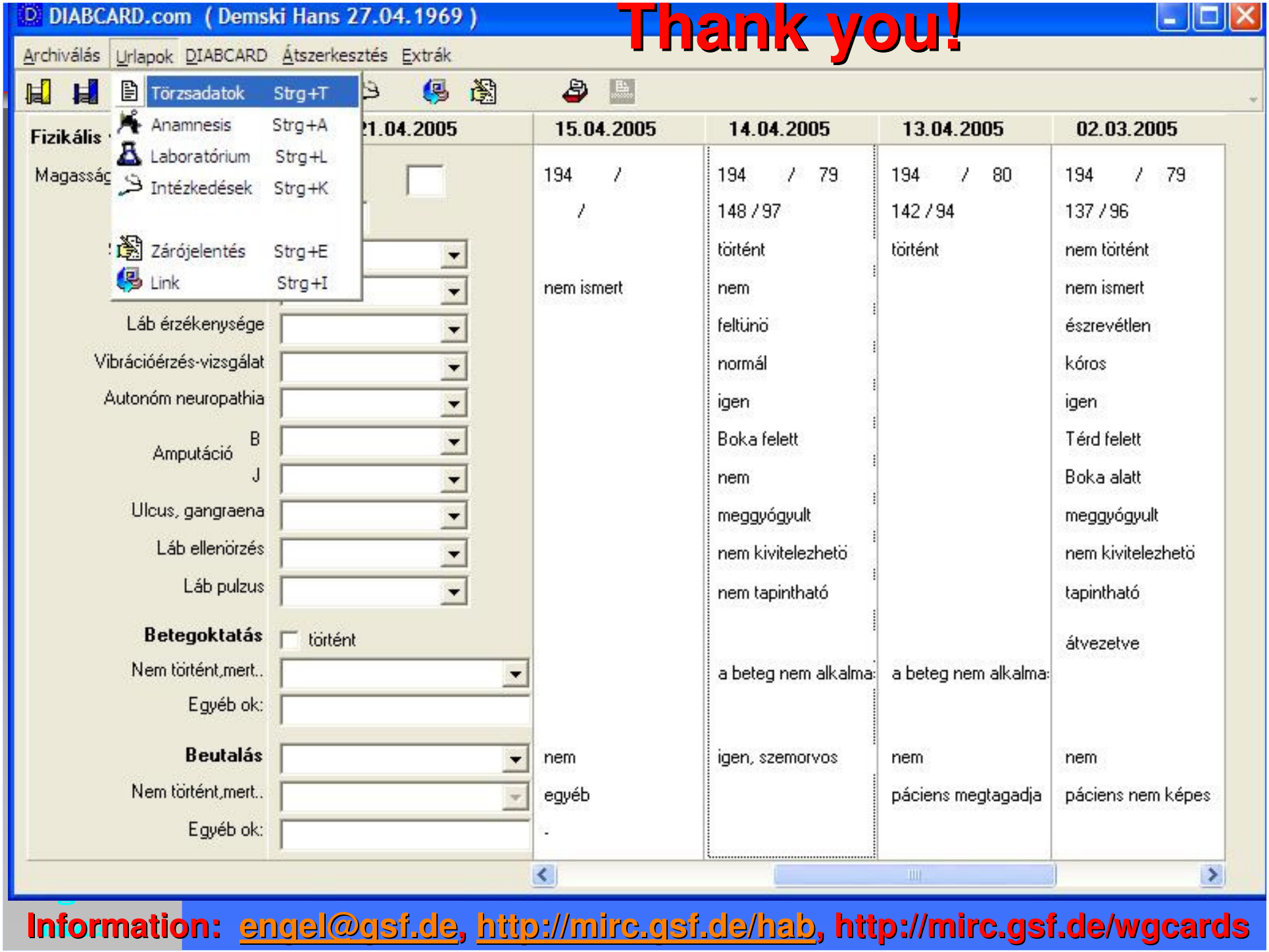
DIABCARD Health across Boarders

based on

- **PDC-HPC Architecture**
- **Common data definitions**
  - *DiabCare (English, German, French, Italian, Greek)*
  - *Strukturvertrag/DMP Diabetes (German, Hungarian)*
  - *HCPP secure communication*

Conclusions

- Interoperability in Europe is key
  - *Internal*
  - *External*
- Needs work
- On institutional level
- On national level
- On European level
- Conferences like eHealth 2005 can play a role



Information: engel@gsf.de, http://mirc.gsf.de/hab, http://mirc.gsf.de/wgcards