The long-term goal of DIABCARD is improved care for chronic diseases by using state-of-the-art technology for documentation and communication. Focused on shared care for diabetes patients, the project will prepare for routine applications of a chipcard-based medical information system (CCMIS) to replace paper records. Readily available up-to-date records will be put on a patient data card (PDC) offering data security, integrity and confidentiality. A network of Europe-wide regional test sites with common tools and guidelines will be coordinated by a project board, and should stimulate regional business interest and health authority support. The quality of health care depends on efficient, relevant and up-to-date information. A patient data card can provide this information wherever and whenever needed. It will provide an ideal communication tool.
The design of DIABCARD allows for different types of workstations for the different environments, where the main communication channel has been equipped with the card. DIABCARD's architecture is flexible and upward compatible and can thus easily be integrated into existing information systems and networking environments. Its specifications are not restricted to diabetes. The DIABCARD chip card will be a crypto-processor card. Security features are included.

A common European basic diabetes dataset based on approved datasets was produced and validated. It defines the data items that will be necessary for good treatment of a diabetes patient. A first prototype was developed. The prototype consists of a computer-based patient record system and the DIACARD smart card enhancements. The system was tested for several months at the Hospital de la Santa Creu i Sant Pau in Barcelona. The results of the pilot indicate that a smart card in the case of the patient with chronic disease is feasible when care is provided by different people and/or several institutions and when frequent updating is necessary.

One of the major objectives is interoperability. A high level application interface is therefore being defined. This interface will be provided on necessary platforms to allow for easy integration of DIABCARD applications in GP's, departmental and hospital systems and focuses on interoperability. At the same time DIABCARD will be validated in various European pilot sites.

Programme(s)

Thème(s)

Régime de financement

CSC - Cost-sharing contracts

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