Multi-Access Services for telematic Management of Diabetes Mellitus

From 2000-01-01 to 2002-12-31 | M2DM Website

Objective

This project intends to provide Multi-Access services to residential and mobile diabetic patients, in order to increase the quality of patient's care by improving communication between patients and caregivers. M2DM will incorporate new telemedicine tools providing 24 hours a day personal health services and new means to information access to physicians and patients, including Web-based services and Computer Telephony Interfaces. The M2DM service will be designed to go beyond the concept of telemedicine: physicians and patients will cooperate regardless of distance, in order to improve the quality of care. A crucial aspect of the M2DM system will be its capability of effectively managing the knowledge necessary for chronic patients care, through a collection of innovative methods and tools designed for this purpose. The final objective of our system will be to give the right knowledge to the right people in the right form and the right time.

OBJECTIVES

This project intends to provide a sustainable service care to residential and mobile diabetic patients aiming to increase the quality of patient's care through improving communication between patients and caregivers. M2DM incorporates new telemedicine services that emphasise the provision of personal health care 24 hours a day and provides new means to information access to physicians and patients. A Multi-Access Server (MAS) is defined in the project comprising a full range of non-expensive and widely accepted information technologies offering to users a universal, easy-to-use, on-line and cost-effective access to telemedicine and information services. M2DM will provide the capability of effectively managing the knowledge necessary for the complex and distributed process of chronic disease care, providing technological instruments and infrastructures to give the right knowledge to the right people in the right form at the right time.

DESCRIPTION OF WORK

M2DM aims at providing diabetic patients and health care providers with a Multi-Access service with the goal of increasing the quality of care through improving communication between patients and caregivers. A Multi-Access Server will be defined in the project, comprising a full range of non-expensive and widely accepted information technologies, offering to users a universal, easy-to-use, on-line and cost-effective access to telemedicine and information services. This server will be based on Computer Telephony Interfaces and Web-based technology. A distinguished feature of M2DM will be its capability of managing the knowledge necessary for Diabetes Management; its final goal will therefore be the provision of the right knowledge to the right people at the right time. Several advanced methods for data analysis, evidence and knowledge pooling and knowledge management will be investigated in the project, and finally integrated in the Multi-Access services.
Moreover, the services will be customized to meet the needs of final users by exploiting the knowledge management approach studied in the project. M2DM comprises both technical and clinical partners that will participate in the design and development of the overall system. The project development will be completed through three partially overlapping phases: a design phase, an implementation phase and an evaluation phase. Design and implementation will be analysed from three different viewpoints: Knowledge Management view, Technological view and Users view. The Users view related activities and the evaluation phase will be designed and carried out in the different medical centres involved in the project.

Related information

<table>
<thead>
<tr>
<th>Result In Brief</th>
<th>Report Summaries</th>
</tr>
</thead>
<tbody>
<tr>
<td>● New telemedicine system for diabetes sufferers</td>
<td>● New telemedicine system for diabetes sufferers</td>
</tr>
</tbody>
</table>

Coordinator

CONSORZIO DI BIOINGEGNERIA E INFORMATICA MEDICA
VIA STRADA NUOVA 65
27100 PAVIA
Italy

Administrative contact: Mario STEFANELLI
Tel.: +39-03-82505354
Fax: +39-03-82505373
E-mail

Participants

APPLIED LOGIC LABORATORY
HANKOCZY J. UT. 7
1022 BUDAPEST
Hungary

Administrative contact: Tamas GERGELY
Tel.: +11-76-4916
Fax: +11-76-4916

CENTRO ESPANOL DE SERVICIOS TELEMATICOS S.A
GRANJA 5
28500 ARGANDA DEL REY
Spain

Administrative contact: Jose Maria VIEJO LLORENTE
Tel.: +31-87-12095
Fax: +31-87-02818
E-mail

CITY UNIVERSITY LONDON
NORTHAMPTON SQUARE
EC1V 0HB LONDON
United Kingdom

Administrative contact: Ewart CARSON
Tel.: +20-74-778370
Fax: +20-74-778364
E-mail
Subjects

Information Processing and Information Systems - Medicine and Health - Telecommunications

Last updated on 2005-06-13
Retrieved on 2016-01-25

© European Union, 2016