Quality Assessment of Health Information on the Web

The MedCIRCLE Project

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MedCIRCLE Consortium

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Dept. of Clinical Social Medicine
University of Heidelberg, Germany
EU-funded Projects: MedCERTAIN & MedCIRCLE

**MedCERTAIN** (2000-2002) - Certification and Rating of Trustworthy and Assessed Health Information on the Net
- Development of HIDDEL (Health Information Disclosure, Description & Evaluation Language)
- Open source tools (Archer) to annotate health information in XML/RDF/HIDDEL
- Partners: University of Heidelberg (G Eysenbach, G Yihune, C Köhler), ILRT Bristol (D Brickely, P Cross), FinOHTA/STAKES (K Lampe)

- Broad implementation of XML/RDF/HIDDEL on digital libraries, portals, gateways, kitemarking/certification services and health websites
- Further development of Software
- Partners: University of Heidelberg (G Eysenbach, C Köhler), Agency for Quality in Medicine, AQuMed (M Fiene), Medical College Barcelona (MA Mayer), CISMEF France, (S Darmoni), German Research Center for Artificial Intelligence, DFKI (T Roth-Berghofer)
HIDDEL (Health Information Disclosure, Description & Evaluation Language)

Health Information Provider
describes and discloses properties of the service

User
describes needs and expectations

Third-Party
(Gateway, Accreditor, etc.)
describes and annotates information and services
Ethical Codes implemented in HIDDEL

- Health on the Net (HON) Code of Conduct

- Guidelines for medical and health information sites on the Internet, by the American Medical Association (AMA)
  - March 2000 (www.ama-assn.org/about/guidelines.htm)

- Ethical principles for offering Internet health services to consumers, from Health Internet Ethics (Hi-Ethics)
  - May 2000 (www.hiethics.org/Principles/index.asp)

- International eHealth Code of Ethics, by the eHealth Ethics Initiative
  - May 2000 (http://www.jmir.org/2000/2/e9/)

Contains elements from

- Dublin Core
- DISCERN
other organizations, that aim to participate:

- Canadian Council on Health Services Accreditation (CCHSA), Canada
- afgis, Germany
Annotate Websites (currently ~ 200 resources)

HIDDEL

Annotate Websites (currently ~ 130 resources)

Annotate Websites (currently ~ 110 resources)
Consumer Education

A collection of medical, dental and veterinary images for use in teaching.

Search the archive:  

Links:

- about
- search_archive
- browse
- help
- feedback
- registration
- privacy and usage rules

MedCIRCLE
Consumer Education

Website Annotation System

URL of the Annotated Site: http://www.diabetes.uni-duesseldorf.de

The information provider's postal address (suitable for administrative contacts) is:

Deutsches Diabetes-Forschungsinstitut
Leibniz-Institut an der Heinrich-Heine-Universität Düsseldorf
Alpenstrasse 20, 40225 Düsseldorf

Website Info Brochure: 18.03.2003

Is the postal address a valid address?

Yes

The publisher, i.e., the entity responsible for making the resource available

Downstream-Filtering:
User defines its preferences

Target group = Consumer
Sponsored by ≠ Pharmaceutical Industry

<table>
<thead>
<tr>
<th>Target Group</th>
</tr>
</thead>
<tbody>
<tr>
<td>kids</td>
</tr>
<tr>
<td>adult patients or consumers</td>
</tr>
<tr>
<td>paramedics/nurses</td>
</tr>
<tr>
<td>medical student</td>
</tr>
<tr>
<td>physician/GP</td>
</tr>
<tr>
<td>physician/specialist</td>
</tr>
<tr>
<td>researcher</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Funding source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public Funding (e.g. research grants, taxpayers money)</td>
</tr>
<tr>
<td>Donation</td>
</tr>
<tr>
<td>Advertising</td>
</tr>
<tr>
<td>Sponsorship from pharmaceutical company</td>
</tr>
<tr>
<td>Sponsorship from health-related companies</td>
</tr>
<tr>
<td>Sponsorship from other for-profit organisations</td>
</tr>
<tr>
<td>Sponsorship from not-for-profit institution(s)</td>
</tr>
<tr>
<td>Subscription / Membership Fees</td>
</tr>
<tr>
<td>Selling products and services</td>
</tr>
</tbody>
</table>
Downstream-Filtering: User defines its preferences

Target_group = Consumer
Sponsored_by ≠ Pharmaceutical Industry

Matching

Target_group = Consumer
Sponsored_by = Public funding

Target_group = Physicians
Sponsored_by = Pharmaceutical Industry
Search Engines

Search results ordered by personal quality preferences

Target group = Consumer
Sponsored by ≠ Pharmaceutical Industry

Target group = Consumer
Sponsored by ≠ Pharmaceutical Industry
MedCIRCLE operational scheme

Health Information Provider

MedCIRCLE Partners

MedCIRCLE Website

Export Metadata in XML/RDF

Open Directory of RDF Files

Self-disclosure in computer-readable HIDDEL format

Health kiosks

Gateways

Search engines

Access via MedCIRCLE button

Automatic comparison with user preferences
Informationssystem zum Diabetes mellitus
www.diabetes-deutschland.de

News
- 1. Kongress des "Aktionforum Gesundheitsinformationssystem" (afgis)...
- Tag des Schlafes am 21. Juni 2003...
- MedienPREIS der Deutschen Diabetes-Stiftung...
- Neue Studienergebnisse zu Viagra bei Diabetikern...

>>> Weitere aktuelle Meldungen finden Sie hier...

Thema des Monats
Juni 2003
Fachbeirat von www.diabetes-deutschland.de

Im Fachbeirat von www.diabetes-deutschland.de sind mehr als 40 deutschlandweit anerkannte Diabetes-Spezialisten aktiv. Sie unterstützen die Online-Redaktion hinsichtlich der hohen Qualität und Aktualität der Beiträge in den unterschiedlichen Themengebieten. Wir stellen Ihnen jeden Monat ein anderes Mitglied des Fachbeirates vor mit einem persönlichen Lebenslauf und einer Vorstellung der Kliniken und Institute, an denen die Mitglieder unseres Fachbeirates tätig sind. Lernen Sie Herrn Prof. Dr. med. Manfred Dreyer, den ärztlichen Direktor des Krankenhauses Bethanien in Hamburg, besser kennen. [...mehr]

>>> Weitere Themen finden Sie hier im Archiv...
### Website Annotation System

#### Site Meta Data

This page contains information about the Web site [http://www.diabetes.uni-duesseldorf.de](http://www.diabetes.uni-duesseldorf.de). The information was entered by the health information provider or by third party medical experts (left column) and may have been evaluated by experts (right column). For more information about the displayed information click on the help icon.

**URL of the Annotated Site:** [http://www.diabetes.uni-duesseldorf.de](http://www.diabetes.uni-duesseldorf.de)

<table>
<thead>
<tr>
<th>infoProvider</th>
<th>identity</th>
<th>operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deutsches Diabetes-Forschungsinstitut Leibniz-Institut an der Heinrich-Heine-Universität Düsseldorf Auf der Heide 68 40225 Düsseldorf</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>Health Info Provider, 04.03.2003</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
</tbody>
</table>

#### Is the postal address a valid address?

**Yes**

**Third Party, 16.03.2003**

#### The publisher, i.e. the entity responsible for making the resource available (owner of the site) is:

**Deutschen Diabetes-Forschungsinstituts in Düsseldorf (DDDF),**
Summary

- HIDDEL is a standard vocabulary / metadata language (which can be expressed as RDF/XML) designed to be used by
  - 1) information providers to describe and disclose properties of e-health services (self-rating) and
  - 2) third-parties, e.g. by subject gateways, to express third-party opinions about health information providers.

- HIDDEL allows consumers to access disclosure information on health websites in a standardised way.

- HIDDEL allows subject gateways to describe which aspects of the site have been evaluated by them and with what results.

- MedCIRCLE is a collaboration of trusted health subject gateways, medical associations, accreditation, certification, or rating services, which all share the common goal to evaluate, describe, or annotate health information on the Internet.

Come join us!