CISMeF
Catalog & Index of Health Resources in French on the Internet

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Introduction

- The objective of CISMeF is to assist the health professional & lay people during the search for electronic information available on the Internet.
- CISMeF covers healthcare disciplines and medical sciences.
- CISMeF was a project originally initiated by Rouen University Hospital.


Methods of Information in Medicine 2000; Jan;39(1) 30-35
Medical Informatics & The Internet in Medicine 2001; 26(3):165 - 178
Introduction

- Three priority axes
  - evidence based medicine
  - teaching material
  - patient information
- CISMeF began in *February 1995*
- Doc’CISMeF in 2000: creation of a generic search tool using the CISMeF semi-informal ontology
  
- 16,000 resources included
Index alphabétique

Outil de recherche
  Simple | Avancée

Index thématique

Terminologie

Accès par type de ressources

5 modes de recherche

Catalogue et Index des Sites Médicaux Francophones

3 axes majeurs

recherche Doc'Cismef

Enseignement & Formation

Informations pour les patients

Recommandations et Consensus
Update of the CISMeF database

- Methodology in 4 steps
  - collection management
  - filtering, based on Net Scoring and MedCIRCLE project
  - resource description (an extensive and documented metadata set)
  - resource indexing (+ “super-indexing”) using a controlled vocabulary system
CISMeF terminology

- Two standard tools for organizing information:
  - the MeSH (Medical Subject Headings) thesaurus from the US National Library of Medicine
  - Several metadata element sets
    - the Dublin Core metadata format + CISMeF specific fields
    - For teaching resources, IEEE 1484 LOM metadata format 11 elements of the LOM Educational category
    - For evidence-based medicine resources: CISMeF specific fields
    - The HIDDEL metadata set is used to enhance transparency, trust and quality of health information on the Internet.

DC-2004, International Conference on Dublin Core and Metadata Applications
The heterogeneity of Internet health resources led the CISMeF team to enhance the MeSH thesaurus with the introduction of two new concepts:
- resource types
- metaterms.

Health Information and Libraries Journal 2004 Dec;21(4):253-61
CISMeF resource types

- CISMeF resource types (RT) are a generalization of the publication types of Medline.
- As defined by the DC Metadata Initiative, a RT is used to categorize the nature of the content of the resource, when MeSH (term/subheading) pairs describe the topic of the resource.
- Specific of the health resources available on the Internet, such as association, patient information, community networks.

CISMeF resource types

- CISMeF RTs are organized similarly to MeSH terms and subheadings, in a hierarchical structure and a maximum of five-level depth.
- This RT list was manually built and maintained by the CISMeF team since 1997.
- This list is largely inspired by the MeSH thesaurus.

Resource types

- education [MH]
  - teaching material [MH]
    - audiovisual aids [MH]
    - instruction [PT]
  - critical appraisal
  - lectures [PT]
    - French pre-residency program examination
  - practicals
  - problems and exercises [PT]
    - case report
    - clinical reasoning learning
    - correct version of the examination
    - critical appraisal
    - examination questions
      - multiple choice quiz (MCQ)
      - open and closed questions
    - problem-based learning [MH]
  - textbooks [MH]
  - tutorials
- teaching structure
  - hospitals, teaching [MH]
  - schools, health occupations [MH]
    - schools, dental [MH]
    - schools, medicine [MH]
    - schools, nursing [MH]
    - schools, pharmacy [MH]
    - schools, public health [MH]
    - schools, veterinary [MH]
- training
- establishment institution organization
CISMeF metaterms

- Semantic links manually created to MeSH terms, MeSH subheadings and CISMeF resource types
- Can be considered in the CISMeF terminology as super-concepts
- Semantic links were created on the basis of the CISMeF librarians' technical know-how and the expertise of medical specialists
- used in IR and navigation through the concept hierarchies

CISMMeF terminology (cont.)
The use of metaterms came up to cope with the relative restrictive nature of MeSH terms.

To illustrate the difference between MeSH terms and CISMeF metaterms:

- The query 'guidelines in cardiology' retrieves:
  - 11 resources when 'cardiology' is considered as a MeSH term
  - 143 resources when 'cardiology' is considered as a MT

- The query 'databases in virology' retrieves:
  - 0 resource when 'virology' is considered as a MeSH term
  - 4 resources when 'virology' is considered as a MT
**Toxicologie** est un "méta-terme". Voir ci-dessous les arborescences, mots clés et qualificatifs du thesaurus MeSH, utilisé notamment pour la base de données bibliographiques Medline, le concernant. Les termes utilisés sont ceux du MeSH en français réalisé par l'INSERM.

Les informations à destination des patients sont accessibles par CISMeF.

Le lien proposé sur DocCISMeF exécute une requête sur l'union de tous ces termes.

- antidote [MeSH]
- antitoxine [MeSH]
- centre anti-poison [MeSH ; type]
- centre traitement toxicomanie [MeSH ; type]
- détoxication médicaments [MeSH]
- effets indésirables [qualificatif]
- induit chimiquement [qualificatif]
- intoxication [MeSH]
- intoxication [qualificatif]
- pesticides [MeSH]
- polluants environnement [MeSH]
- pollution environnement [MeSH]
- produits illicites [MeSH]
- tabagisme [MeSH]
Pubmed citations can be retrieved on the following specialized topics in subject subsets, namely by launching an in-built complex search strategy.

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Query Translation:


Result:

234114

Database:

PubMed

User query:
