



**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

URL: <http://www.cismef.org> & <http://www.chu-rouen.fr/cismef>

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

URL: <http://doccismef.chu-rouen.fr/>

- ☀ 16,000 resources included

[Index alphabétique](#)

[Index thématique](#)

Outil de recherche

[Simple](#) | [Avancée](#)

[Terminologie](#)

5 modes de recherche

**CiSMeF**

Catalogue et Index des Sites  
Médicaux Francophones

[Accès par type  
de ressources](#)

3 axes majeurs

recherche Doc'CiSMeF

Ok

[Recommandations et  
Consensus](#)

[Informations pour  
les patients](#)

[Enseignement &  
Formation](#)

# 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

Stud Health Technol Inform. 2003;95:707-712

# MeSH 'enhancements'

- ★ 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

J Am Med Inform Assoc 2000; Jan-Feb;7(1):108-9 (letter).

# 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

Journal of the American Medical Informatics Association 2000; Jan-Feb;7(1):108-109

# Resource types

List of Resource Types used for CISMef - Microsoft Internet Explorer

Fichier Edition Affichage Favoris Outils ?

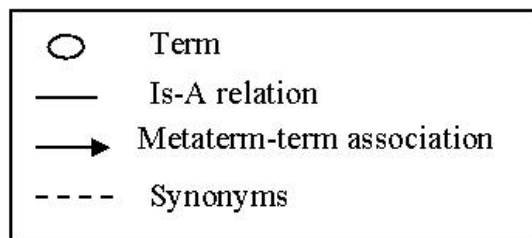
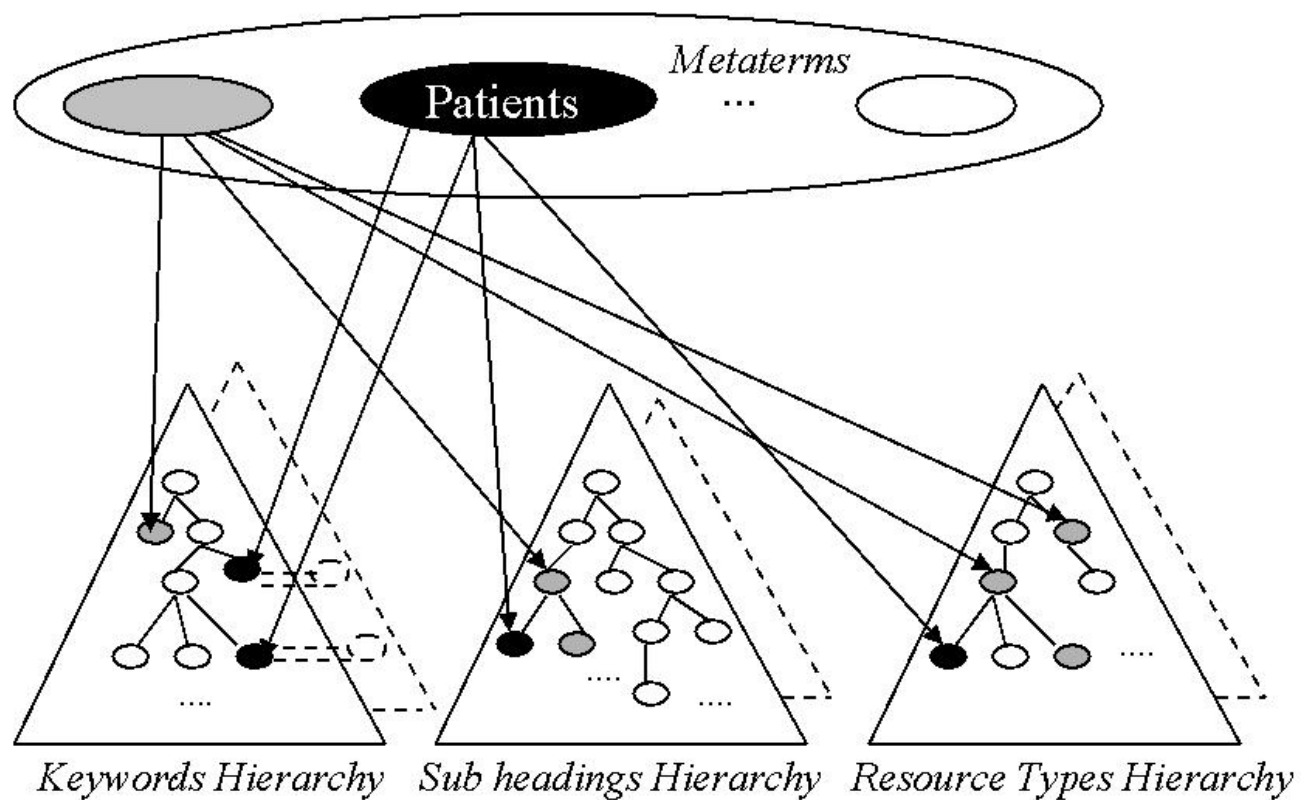
Précédente Recherche Favoris Média Adresse <http://www.chu-rouen.fr/documed/typeeng.html> OK Liens

- *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

# CISMeF terminology (cont.)



# CISMeF metaterms

- ★ 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

# Metaterms

Méta-terme "toxicologie" - Microsoft Internet Explorer

Fichier Edition Affichage Favoris Outils ?

Précédente Recherche Favoris Média Adresse <http://www.chu-rouen.fr/ssf/toxfr.html>



## Méta-terme "toxicologie"

[\[Menu général CISMeF\]](#)

**T** **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-p](#).  
Le lien proposé sur Doc'CISMeF exécute une requête sur l'union de tous ces termes.

Doc' CISMeF

- [antidotes](#) [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]

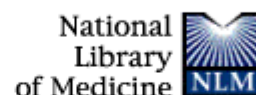
## Additional Subject Subsets for PubMed

[Home](#) - [Medical Library](#)

PubMed citations can be retrieved on the following specialized topics in subject subsets, namely by launching an in-built complex search strategy.

[A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#)

Topics
<a href="#">addiction</a>
<a href="#">allergology and immunolgy</a>
<a href="#">anatomy</a>
<a href="#">anesthesiology</a>
<a href="#">bacteriology</a>
<a href="#">cardiology</a>
<a href="#">cytology</a>
<a href="#">dentistry</a>
<a href="#">dermatology</a>
<a href="#">developmental biology and medicine</a>
<a href="#">diagnosis</a>
<a href="#">disability</a>
<a href="#">disease transmission</a>
<a href="#">economics</a>
<a href="#">education</a>
<a href="#">embryology</a>
<a href="#">emergency medicine</a>
<a href="#">endocrinology</a>
<a href="#">epidemiology</a>
<a href="#">ethics</a>
<a href="#">family medicine</a>
<a href="#">gastroenterology</a>
<a href="#">genetics</a>
<a href="#">geriatrics</a>
<a href="#">gynecology</a>



All Databases

PubMed

Nucleotide

Protein

Genome

Structure

OMIM

PMC

Journals

Books

 Search PubMed for "alcohol deterrents"[MeSH Terms] OR "alcoholic beverages"[MeSH Terms] OR "alcoholics anonymous"[MeSH Terms] OR "behavior, addictive"[MeSH Terms] OR "designer drugs"[MeSH Terms] OR "drug and narcotic control"[MeSH Terms] OR "needle-exchange programs"[MeSH Terms] OR "smoking"[MeSH Terms] OR "street drugs"[MeSH Terms] OR "substance abuse detection"[MeSH Terms] OR "substance abuse treatment centers"[MeSH Terms] OR "substance-related disorders"[MeSH Terms] OR "temperance"[MeSH Terms] OR "tobacco industry"[MeSH Terms] OR "tobacco smoke pollution"[MeSH Terms] OR "tobacco use cessation"[MeSH Terms]
   [Save Search](#)
[Limits](#)[Preview/Index](#)[History](#)[Clipboard](#)[Details](#)**Query Translation:**

```
"alcohol deterrents"[MeSH Terms] OR "alcoholic
beverages"[MeSH Terms] OR "alcoholics anonymous"[MeSH
Terms] OR "behavior, addictive"[MeSH Terms] OR "designer
drugs"[MeSH Terms] OR "drug and narcotic control"[MeSH
Terms] OR "needle-exchange programs"[MeSH Terms]
OR "smoking"[MeSH Terms] OR "street drugs"[MeSH Terms]
OR "substance abuse detection"[MeSH Terms] OR "substance
abuse treatment centers"[MeSH Terms] OR "substance-related
disorders"[MeSH Terms] OR "temperance"[MeSH Terms]
OR "tobacco industry"[MeSH Terms] OR "tobacco smoke
pollution"[MeSH Terms] OR "tobacco use cessation"[MeSH Terms]
```

**Result:**[234114](#)**Database:**

PubMed

**User query:**

```
"alcohol deterrents"[MeSH Terms] OR "alcoholic beverages"[MeSH Terms] OR "alcoholics anonymous"[MeSH Terms]
OR "behavior, addictive"[MeSH Terms] OR "designer drugs"[MeSH Terms] OR "drug and narcotic control"[MeSH Terms]
OR "needle-exchange programs"[MeSH Terms] OR "smoking"[MeSH Terms] OR "street drugs"[MeSH Terms] OR "substance
abuse detection"[MeSH Terms] OR "substance abuse treatment centers"[MeSH Terms] OR "substance-related
disorders"[MeSH Terms] OR "temperance"[MeSH Terms] OR "tobacco industry"[MeSH Terms] OR "tobacco smoke
pollution"[MeSH Terms] OR "tobacco use cessation"[MeSH Terms]
```

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N. Chaignaud  
JP. Kotowicz  
JP. Pécuchet

SJ. Darmoni

## MONOTERMINOLOGY 1995-2005

