

Speaking about knowledge in Family medicine

Taking in account family doctors are working in multiple fields

	To do	To be
individual	Bio math medicine	Mental health
community	Epidemiology	Anthropology

Figure 1 Four fields of General Practice / Family medicine Adapted from M. Van Dormael²

Jerome Bosh, MBA Lisbon

Taking in account family doctors are working in complexity

Stacey diagram

Far from Agreement

Close to Agreement

Close to Certainty

Far from Certainty

Simple

Complicated

Complex

Anarchy

Pared. SubTe. Buenos Aires

Taking in account family doctors are working at multiple levels of patient demand

Illness

— Doctor

Disease

Tobacco counseling

Breast cancer screening

Depression

Scan demand for headache

One encounter, several problem levels

M.Jamouille Prevention levels

Antonio Berni, Juanito Detail Museo Fortabat. Buenos Aires

Taking in account family doctors are always missing something

Hélio Oiticica, Metaesquema, 1958 MALBA, Buenos Aires

One can hardly say that representing knowledge in Family Medicine will be easy

Museo Fortabat Buenos Aires

Tuesday, March 17, 2015

18 al 21 de marzo del 2015 - Hotel Radisson Montevideo, Uruguay

4º Congreso Iberoamericano de Medicina Familiar y Comunitaria

International Classification of Primary Care in a cross-lingual terminology portal

M. Jamouille¹, M. Pizzanelli², J. Grosjean³, G. Kerdelhué³, S.J. Darmoni^{3&4}

1 Department of General practice, Liege University, Belgium
 2 Unidad docente asistencial rural de Florida, Uruguay
 3 Department of Biomedical Informatics, Rouen University Hospital, Normandy & TIBS, LITIS EA 4108, France
 4 LIMICS, INSERM, U1142, Paris, France.

Context

J. Momper, 1600 Babel tower M BA Lisbon

Informations
 Gathering
 Classifying
 Indexing
 Seeking

Albrecht Durer, S. Jeronimo M BA Lisbon

Knowledge
 Searching
 Understanding
 Managing
 Inference

Classifying is a necessity

Museo Casero. Mataderos Buenos Aires.

CISMef
 Catalogue et Index des Sites Médicaux de langue Française

- Visualize, browse, navigate & search T/O
- Authentication for restricted accesses
- T/O interoperability
- Multi-lingual support
- Web Services

1995: CHU de Rouen

2006: LITIS / TIBS

2011: CIAP-2

1995: Mono-terminologique (MeSH)

2011: Multi-terminologique

2014: Multi-lingue

T/O	368	56
concepts	5 960 457	1 951 834
terms	6 600 000	6 636 000
relations	?	8 023 181
mappings	5 000 000	1 340 855
registered users	3 017	1 518
traffic	17 500 hits/day	15 000 hits/day (500 users/day)

<http://www.cismef.org/>

Interoperability of terminologies and classifications

• Knowledge organisation systems (KOS) Interoperability and semantic networks

NCIT, MeSH, CID-10, SNOMED int., CIAP-2

Domain of knowledge in the FM EMRs

Specific domain of FM

Towards an unified network of knowledge (cloud). Web of knowledge

NCIT : National Cancer institute Terminology
 MeSH : Medical Subject Heading
 ICD-10 : International Classification of Disease
 SNOMED-CT : Systematized nomenclature of Medicine – Clinical Terms
 ICPC-2 (CIAP) : International Classification of Disease 2d edition

ICPC-2 in 20 languages

20 pagers

ph3c.org

www.hetop.eu/hetop/REST/R?o=8&restartApplication

MESH

CIAP-2

Interlinked terminologies

www.hetop.eu

Free availability

All semantic links

SNOMED

UMLS

ICPC-2 in 20 languages

Sis de garganta (ICPC-2 Descriptor)

Erteritis cricollitis ulcerosa (ICPC-2 Descriptor)

Origin ID: R21, D64

Preferred Label: Sís de garganta

Erteritis cricollitis ulcerosa



References

- Van Dormael M. [Professional identity in GP/FM and in Primary Care] Chap VI in Hours B (ed): Systèmes et politiques de santé. De la santé publique à l'anthropologie. Karthala: Médecines du Monde, 2001.
- Jamouille M. Quaternary prevention, an answer of family doctors to overmedicalization. Int J Heal policy Manag. 2015 Feb;4(2):61-4.
- Grosjean J, Soualmia LF, Bouarech K, Jonquet C & Darmoni SJ. An Approach to Compare Bio-Ontologies Portals. Stud Health Technol Inform, Volume 205, Pages 1008-1012, 2014.
- Grosjean J, Kerdelhué G, Merabti T & Darmoni SJ. The EHTOP: indexing Health resources in a multi-terminology/ontology and cross-lingual world. EAHIL 2012.
- Jamouille M, Vander Stichele RH, Cardillo E, Roumier J, Warnier M. Mapping French terms in a Belgian guideline on heart failure to international classifications and nomenclatures: the devil is in the detail. Inform Prim Care. 2014;4(189-198).
- Plsek PE, Greenhalgh T. Complexity science: The challenge of complexity in health care. BMJ. 2001 Sep 15;323(7313):625-8.