A Knowledge Management System for General Practice / Family. Medicine, how does it work practically ?

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WORKSHOP

Background:

Family medicine, General practice/ Family Medicine (GP/FM) Knowledge Management (KM) is in infancy
-Universal discipline
- Embedded and sometimes confounded with first level care
- High complexity by intertwined human and technical approaches
- Content not harmonized. No uniform table of content for the discipline
- Classification system available for epidemiologic purposes (ICPC 1987- ongoing)
- No existing contextual classification, free keywords non-exploitable, each congress has its own categories
- Most abstracts of communications to GP/FM congresses are lost (60% not published)

 Objectives:

-finding methods to facilitate indexing and to improve performance in information storage and retrieval of unpublished GP/FM scientific work
-showing to participants how to reach and use 3CGP ie ICPC and the Q-Codes on www.hetop.eu

Méthods

- Qualitative research on 1.702 abstracts of GP congresses + 600 from EGPRN research
- Progressive elaboration of the taxonomy about contextual information (ie not clinical)
- Using online HeTOp facilities (OWL-2) to develop terminological records (www.hetop.eu/Q)
- Linking concept to existing terminologies and knowledge repositories (MeSH- DBpedia-Babelnet)
- Multilingual translation by dedicated GPs worldwide (10 languages – more ongoing)
- Editing of ICPC in 21 languages on www.hetop.eu
- Linking of ICPC and Q-Codes to form the Core Content Classification in GP/FM (3CGP)
-experimental use of 3CGP in various KM situations

Results

• ICPC-2 in 21 languages http://www.hetop.org/hetop/?la=en&rr=CIP_C_ARBO&tab=1

• ICPC-2 Process (4 languages): http://www.hetop.org/hetop/?la=en&rr=CIP_C_ARBOPROC&tab=1

• Q-Codes : (10 languages): http://www.hetop.eu/hetop/Q?la=en&rr=CGP_CO_Q&tab=1

• Experiments are ongoing and presented on http://3cgp.docpatient.net/(abstracts indexing, pedagogy, master thesis indexing, discussion indexing, automatic annotators, e-learning application)

Conclusion

Indexing of the GP/FM literature (congress abstracts, master's and doctoral thesis, group discussions) enhance the accessibility of research results and promote the emergence of networks of researchers. he work is ongoing and will be maintained by the Q-Code working group into the WONCA International Classification Committee.

More on : Jamoulle & all EJGP Dec 2017.
http://www.tandfonline.com/doi/full/10.1080/13814788.2017.1404986