Themes related to prevention in the Q-Codes taxonomy. Call to a collaborative exploration into the abstracts of Europrev meetings

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Background

For the documentation of the clinical data, the International Classification of Primary Care (ICPC-2) is used, often in conjunction with the more granular International Classification of Diseases (ICD). For retrieval of scientific bibliographic information in GP/FM, Medical Subject Headings (MeSH) are used. With over 25,000 available MeSH descriptors, indexing is not easy, and yet not all aspects of the broad field of GM/FM are covered.

ICPC-2 has been developed to identify reasons for encounter, symptoms, acts performed or requested and diagnosis in daily practice: It captures clinical encounters for epidemiological research. But, it was not constructed to reflect the non-clinical aspects of the profession, such as organizational, managerial, educational, and investigational aspects.

Recently, a new taxonomy of organizational aspect of GM/FM has been developed to ameliorate this situation. The purpose of this development was to provide tools to exploit modern technology in terminology for information storage and retrieval systems, such as machine learning, semantic web techniques, and natural language processing (NLP).

The 182 concepts identified were thoroughly described in terminology records, which are freely accessible on the web (www.hetop.eu/Q). All concept and definitions were translated into 8 languages and are available online. (http://3cgp.woncaeurope.org). A book is available in 6 languages.

To develop the Q-codes 1700 abstracts of GP/FM congresses have been carefully analyzed. This has been the basis of the work. As a team of the EGRPN has also analyzed 600 EGPRN abstracts and developed a taxonomy of research, I have this work has been incorporated to update the QR domain. Thus ongoing Q-Codes are based on the analysis of 2300 abstracts.

The most important fact is that there is a Q-Codes only if the theme has been discussed by physicians during congresses. This is a bottom-up approach which contrast with the expert approach of the authors of textbook.

The Q-Codes have been integrated with the clinical classification ICPC-2 into a coherent whole, under the name Core Content of General Practice and Family Medicine (3CGP), for further enhancement of medical documentation and indexing of GP/FM master thesis and congress abstracts.
The value of a taxonomy is determined by the quality and speed of the maintenance and updating process. This will be handled by a working group of the Wonca International Classification Committee (WICC) (www.ph3c.org/Q) already authors of ICPC-2.

Aim

to present the preventive aspects of the Q-codes, a taxonomy specifically directed to describe the managerial aspects of GP/FM. To make a call to Europrev members to come an board of the Q-codes working group and to help to make more accurate the preventive fields in the Q-Codes taxonomy

Methods

To present briefly the taxonomy we will provide a one-page overview of the 182 descriptors in English, Spanish and Portuguese to the participants. (http://3cgp.docpatient.net/tabular/)

The preventive themes included in Q-Codes will be discussed and example will be given on how qualitative approach has been used to retrieve themes in abstracts

A call will be made to participant to constitute a team to analyze the available Europrev abstract and compare to the content of Q-Codes version 2.5

Results

- Examples of the analyze of an abstract:

| Quaternary prevention subjects in general medicine | The concept of quaternary prevention is at the same time little known and little implemented by the Belgian doctors. How to increase the penetrance of this concept within their work? A dissemination method is implemented. To make Quaternary prevention more accessible to general practitioners, we propose the creation of a platform on a well-known website. We will explain the concept of quaternary prevention and post practical fact sheets answering common clinical questions from the general practitioner.
| Classification; QD44 quaternary prevention QS41 family doctor QT23 continuing medical education QT42 online knowledge exchange |

- Ongoing projects using Q-Codes
  - Indexation of master thesis in French speaking Belgium
  - Automatic coding with ICPC and Q-Codes; the ECTMV project, Rouen university, France
  - Indexation of the next congress of the Brazilian society of Family and community medicine
  - Use of Q-code in e-learning program in Vietnam

- Description of preventive themes in the taxonomy
Call for a collaborative work: identification of the main theme addressed by Europrev congress participants with similar approach, referring to the EGPRN approach.

Discussion

With the participants

References

2 Wonca International Classification Committee.: International Classification of Primary Care, second version , revised. Oxford Medical Publications.2005