Quality evaluation criteria of health information resources on the internet

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INTRODUCTION

The Internet has become a nearly essential tool to find health information for consumers, researchers, professionals as well as health managers. This is all due to the big amount of resources and information, which are available on the net. The Press Release WHO/72 had already counted about 10,000 health websites in 2000. Nevertheless, along with this exponential growth of internet resources and information, there has also been a lack of control, which makes things difficult for users to choose the most appropriate and accurate information according to their needs.

Finding and choosing accurate high-quality information for the user has been a general concern. This has made different initiatives to come up, both from private and state institutions, with the aim of establishing some guidelines to be used as indicators for the assessment and creation of high-quality health information on the internet.

Our research study is a review of all these initiatives, which have created indicators for the assessment, organisation and identification of high-quality information on the internet.

METHODS

A review of the main proposals for quality assessment of internet health resources has been carried out. After doing/Having done a search in PubMed (medline), Lisa and Dois databases, and in Google, several published studies on the same topic have been found and their different quality evaluation tools have been assessed.

This section is not aimed at creating a comprehensive list of all current initiatives, since there is a really wide range of them. The chosen initiatives are both those which were included as a reference in most of the looked-up bibliography and those which are an external link to websites of similar centres. All these initiatives have been grouped together according to their final aim: codes of conduct, tool-based evaluation, and assessment and accreditation systems.

RESULTS

INICIATIVES TO ORGANISE AND IDENTIFY QUALITY INFORMATION ON THE INTERNET

The initiatives which are used in order to organise and identify high-quality information on the Internet can be divided into three groups:

Table I											Table II									Table III									
											TOOLS- BASED EVALUATION AND ASSESSMENT								ACCREDITATION SYSTEMS										
NAME	INSTITUTION	COUNTRY	YEAR	NON PROFIT 0	COMMENTAL DISTRICTION	DESCRIPTION		PROVIDENTION PROVIDENTS CONSUMERS	5ERS	NAME	RESTITUTION	COUNTRY		TYPORGAN ILLIOBA NON	COMMENCIAL NOTATION	DESCRIPTION	CRITERIA	RS	LIC CORSIMILIES AND BRALLING	RAME	RESTITUTION	COUNTRY		MON PROFIT PUBLIC OF CONCENTIAL	ATION RIGHTA	DESCRIPTION	CRITERIA	PROVING TON	CORSUME IS AND HEALTH BOFE SSOURALS
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Guidelines for Medical and Meath Information Sites Interact: Principles Governing AMA Web Sites Mg /New ama assn. org/mabdolategory/1806. New	American Medical Association (AMA)	United States	2000		•	4 criteria to guide development of website content	1. Content 2. Advertising and sponsorship 3. Privacy and confidentiality 4. E-commerce	•	•	Net Scoring * : critères de qualité de l'information de sainté sur l'information de sainté sur l'information tége deux obu- mont tributorologi	Certrale Santé	France	1997 (lent update Sept. 2004)	•		8 criteria to guide evaluation of website content	Conditility Content Livias Livias Design Sinterctivity Countilative expects Countilative expects Accessibility	•		Http://www.htht.org URAC Health Web Str	Information Quality (CHIQ)	Kingdom				alle content	Presentation Content Accessible Appropriate Patient Involvement Disclosure		
	Health internet Ethics (%-Ethics)	1		П			1. Privacy policies 2. Privacy for health-	T	_	Other (Openiang Medic Networks Antonistics) Networks ac.uk		Unled Kingdon	1996			9 criteria to guide evaluation of website context	Contextual factors scope and intended		•	Accreditation http://wbapps.urac.org/webstwat	Accreditation Heathcare Comission	United States	2001			development of web site content	 Health content and service delivery Unking 	•	•
							Authorship and accountability Solicoloure of source and validation for self- assessment bods Professionalism	•			Services Committee and University of Nottingham						authorse + authorsy and republicion + how the resource compares to others 2. Content of the source			ordentition to be a new						(Desed on the Hi- thics principles)	 Privacy Security Accountability Policies and procedures Guality Oversight Consulties 		\square
Mi-Ethics Guidelines http://www.hutelics.com/Throcipie Ander.ap		United States	2000	•		14 orterie to guide development website content										divided in three areas	coverage ecoverage ecoverage coverancy coverancy coverance socressibility design and isyout ease of use Cosality			Web Médica Acreditada Ng Jamasonbes	Collegi Oficial de Metges de Barcelona	Spen	1999		•	7 orberia to guide development of web site content.	CettRobon Identification Identification Conternet Privacy Confidentiality Confidentiality Confidentiality Confidentiality Confidentiality No-compliance and responsibilities	•	•
							Sualifications Transpierency of intimations, and/or and trustworthiness Sicolosure of limitations 14. Consumer feedback			Working draft andre paper: criteria für assessing ble quality of leadth information on the information the informat http://www.bmiewb.org/internet_m edical_offerm.pdf		United States	5997	•		7 ortenia to guide evaluation of website content	1. Creativity 2. Content 3. Disclosure 4. Links 5. Design 6. Interactivity 7. Caveats		•								responsabetes	-	
HCN/ Code http://www.box.sh/M28eode/Con ded time	Heath on the Net (HON) Foundation in Geneva	Swtzerland	1996	•		8 criteria to guide development of website content	Authority - Authority - Considerative fit - Considerative fit - Anthoriton - Considerative fit - Anthoriton - Source anthoriton - Transperency of - Transperency and - Entropy and - Transperency and	•	•																				
Quality Criteria for Health related Metabases http://www.awj.relation.jo relation_bits_m_Shadt	European Commission	European Union	2002		•	6 criteria to guide development of website content	Intercoversity and Rohesty Authority Authority Authority Authority Authority Authority Authority Accountability Accountability Accountability	•	•																				

CONCLUSIONS

All these existing initiatives are not systematically implemented to health websites, not even when they are created or in their subsequent assessment. So, we should:

- establish a consensus at a health level in order to develop some general guidelines, rules and good-practice habits, which would lead to a coherent, homogeneous website development, with a single tool to define health website quality, and
- make health websites follow some minimal, essential quality criteria, as a result of an international consensus for resource assessment.

If health websites have high-quality contents, their users, professionals and health managers as well as patients will be faithful to these information sources. Users have the final say on the resource. Information managers, who build up website contents and shapes, must be aware of this reality and they should focus on ensuring excellent information, service and design.

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