



Production and diffusion of Clinical Practice Guidelines (CPGs) in Iberoamerican Countries: a cross sectional study

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Introduction



- The last decades clinical practice guidelines (CPG) production has increased in Latin-American countries, in some of them, national or regional programs have been established.
 - CPGs production has been related to governmental and/or scientific societies' initiatives, but not homogeneous in the Latin-American context.
 - Some countries have established initiatives and Clearing Houses while others depend on individual initiatives.
 - The health professionals managed the information in their own language.
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Introduction



Redeguías 2002 quality of Spanish CPG

- Published in Rev Clin Española (2005)

Comparison of recommendations and quality of stroke guidelines

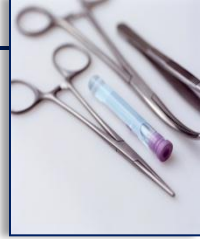
- To catalogue and compare the quality of the Spanish and international CPG for ischemic stroke
 - Published in IJTAHC (Navarro-Puerto et al, 2008)
 - Inconsistencies and discrepancies
 - Communication on GIN 2005
 - Communication on GIN 2008
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Objectives / Aim



- to map, catalogue and compare the quantity and characteristics of published CPGs produced in different Iberoamerican countries.
 - To identify CPGs and CPG producers in order to test the feasibility of a Latin-American Guidelines Clearinghouse
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Methods



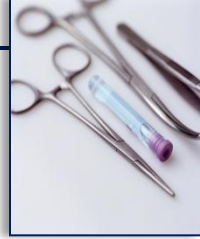
- Published guidelines (GLs) produced in Iberoamerican countries in a 10-year-period (January 1996 -December 2005) were identified through electronic database searching.
 - We included documents that were produced in an Iberoamerican country; published during the 1996-2005 period and provided a full abstract. Electronic databases searching (EDS) were executed through a validated strategy.
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Methods



- Search was performed in MEDLINE under PubMed platform and EMBASE (Ovid).
 - The strategy was adapted to regional databases (LILACS).
 - Results were registered in a single database and duplicated articles were eliminated.
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Example of search in Medline



NCBI PubMed *A service of the National Library of Medicine and the National Institutes of Health* [www.pubmed.gov](#) [My NCBI](#) [\[Sign In\]](#) [\[Register\]](#)

All Databases PubMed Nucleotide Protein Genome Structure OMIM PMC Journals Books

Search PubMed for *Guideline[ptyp] OR Practice+Guideline[ptyp] OR G* [Save Search](#)

Limits

Limits: **only items with abstracts, Spanish, Portuguese, Publication Date from 1995/01/01 to 2005/12/31, Humans**

Display Summary Show 20 Sort by Send to

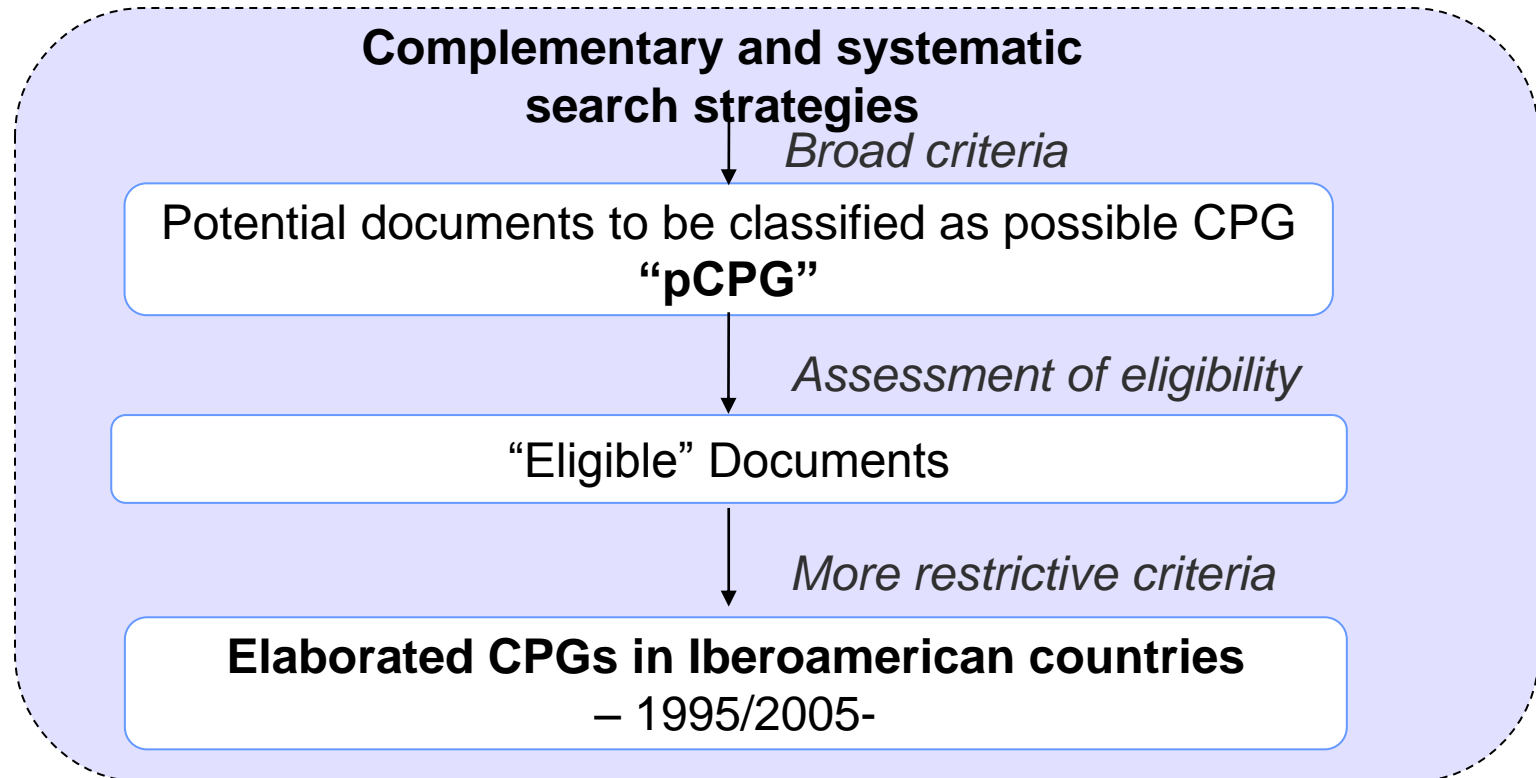
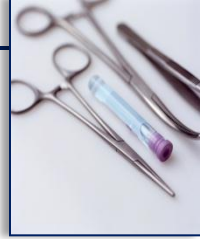
All: 385 Review: 151

Guideline [ptyp] OR Practice + Guideline [ptyp] OR "Guidelines" [MeSH Terms] OR ("health planning guidelines" [MeSH Terms] OR HEALTH-PLANNING-GUIDELINES [Text Word]) OR Consensus +Development +Conference [Publication Type]

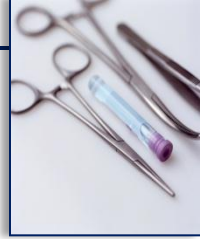
Limits: only items with abstracts, Spanish, Portuguese, Publication Date from 1995 to 2005 and humans

of 20 Next
related Articles, Links
related Articles, Links

General structure of the study

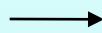


Methods. Criteria definition



Operative definition of pCPG

“pCPG”



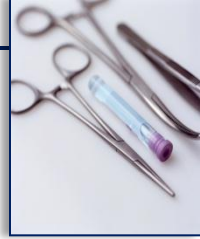
It will be considered a pCPG all document that contains in its title, abstract or content one of the following keywords: ***Guideline; Clinical practice guideline; Management guideline; Consensus; Recommendations; Protocols; Algorithm; Experts opinion.***

Eligibility criteria

Eligibility criteria of CPG during the research

- The documents might be produced by one or more than one Iberoamerican institution or research group.
- *The documents might be produced between January 1995 and December 2005.*
- *The documents might be retrieved as full text.*

Methods. Inclusion and exclusion criteria



Inclusion and exclusion criteria for the CPG selection

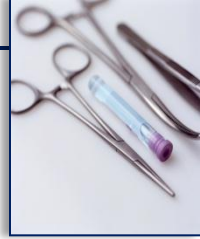
Inclusion criteria

- *Documents that fulfilled the CPG definition: contain systematically developed recommendations and exclusively oriented to the decision making of the health professionals in certain clinical circumstances.*

Exclusion criteria

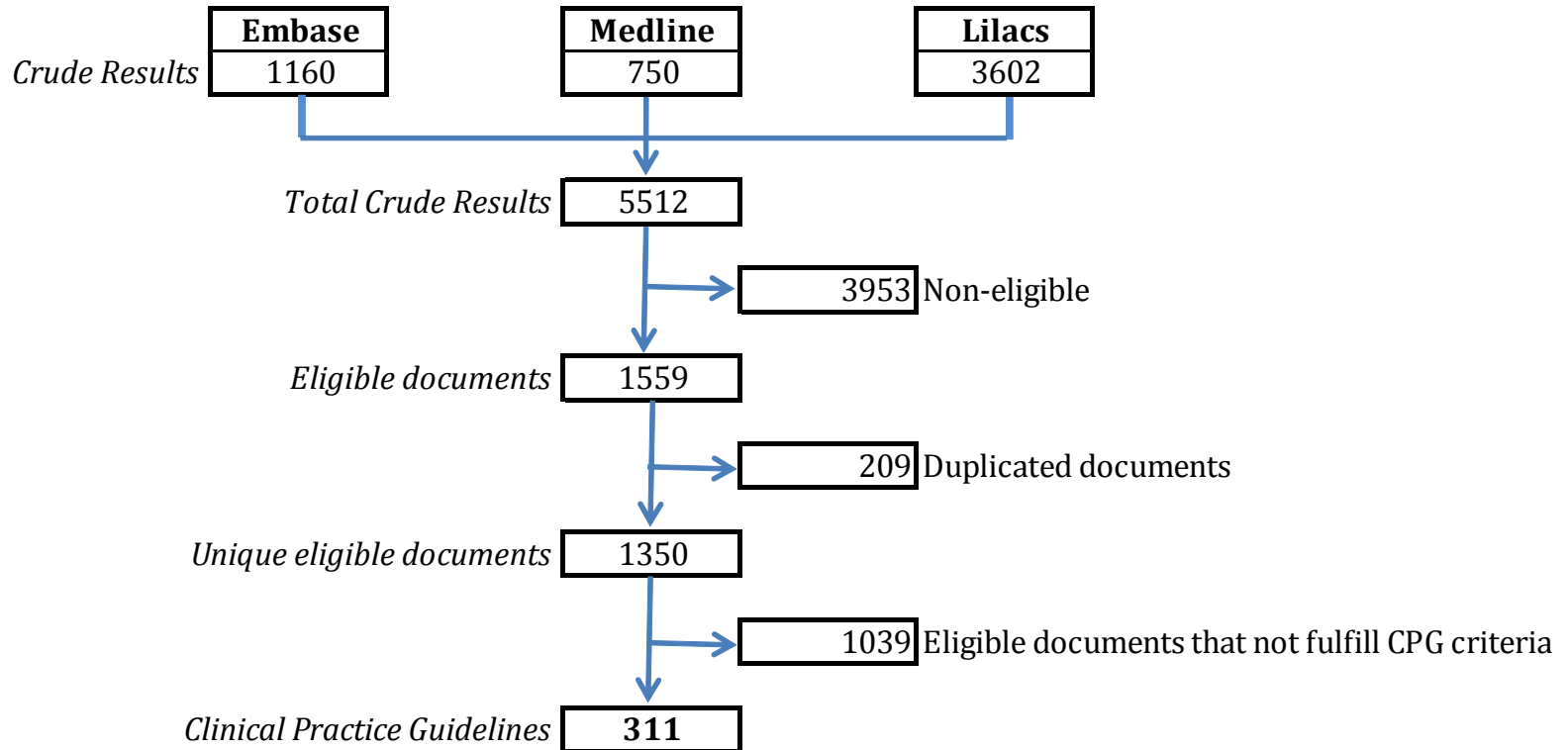
- *Documents with patients oriented recommendations; health care management oriented recommendations and/or documents oriented to health technologies coverage at the macro level.*
 - *Documents with NO elaboration data*
 - *Documents that fulfilled the protocol definition.*

Methods. Selection of CPG

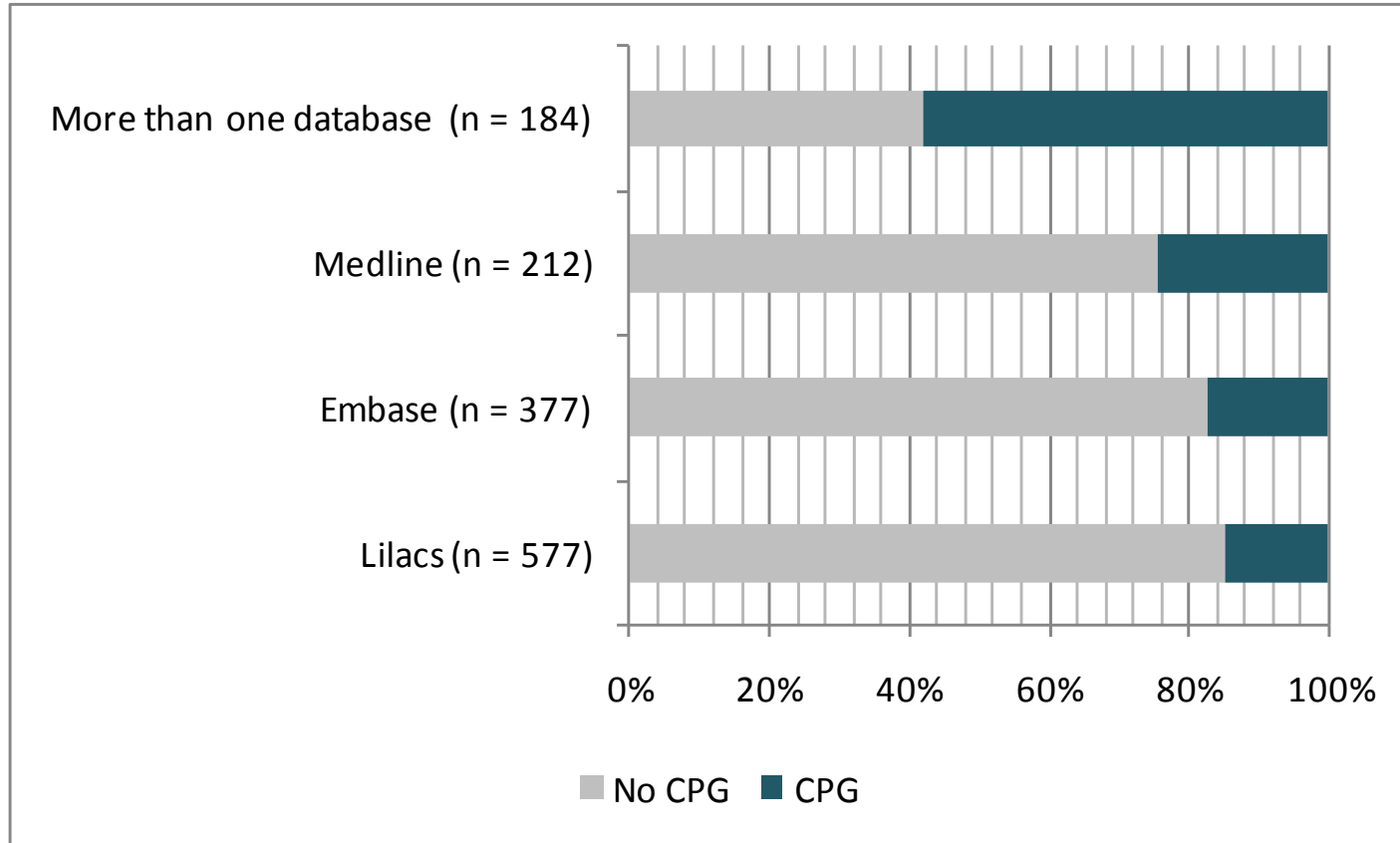


- CPG were independently selected by two reviewers on the basis of inclusion and exclusion criteria.
 - When discrepancies were observed a third reviewer decided and a consensus was reached
 - Finally included countries were: Argentina, Brasil, Chile, Colombia, Cuba, Mexico, Portugal and Spain.
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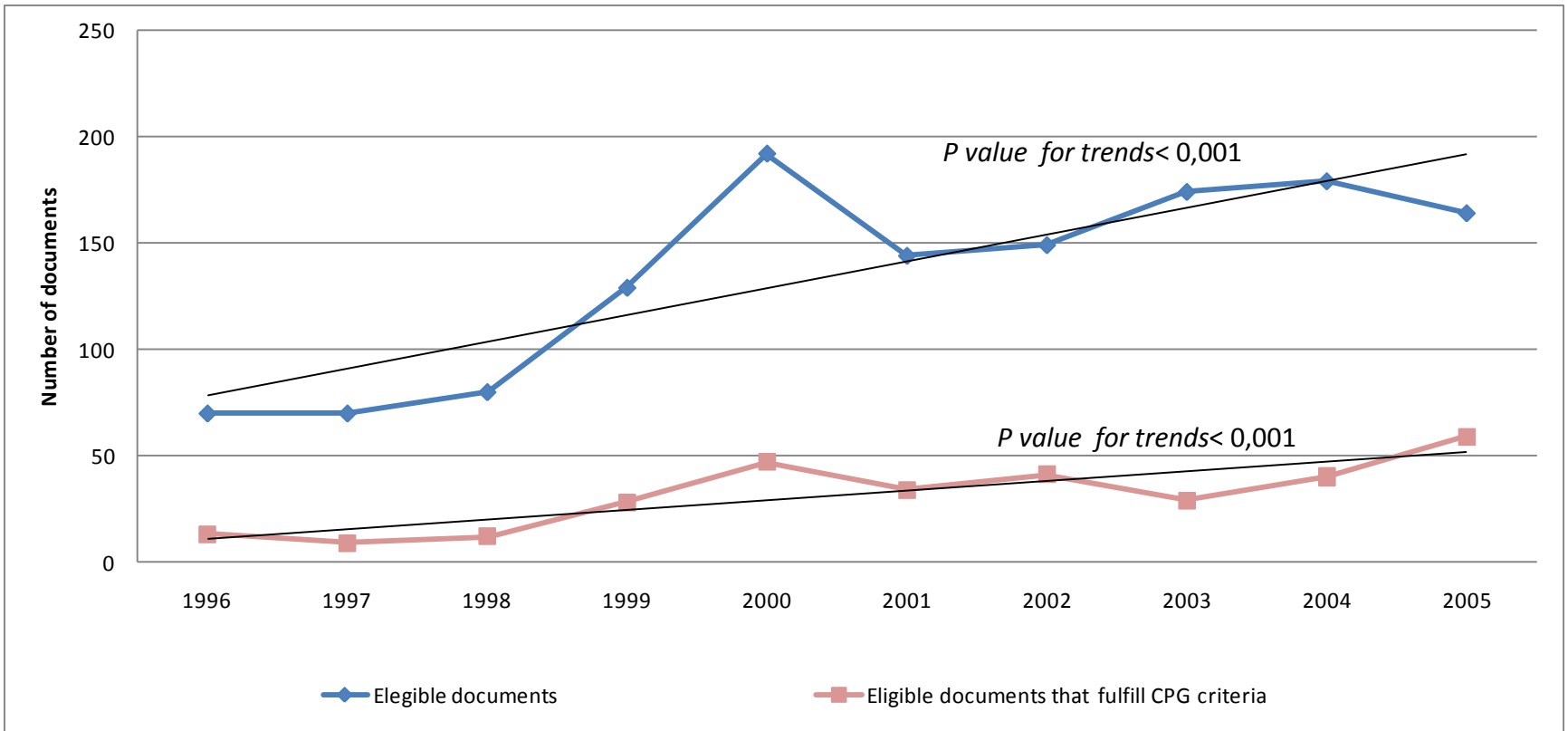
Results



Percentage of Iberoamerican guidelines by databases



Trends of eligible and CPG documents between 1996 and 2005 in Iberoamerican countries



P value was obtained through χ^2 for trends

CPGs by Country



Country	CPG registered in more than one database	CPG registered in one database			Total CPG per country
		Medline	Embase	Lilacs	
España	64	27	41	0	132
Brasil	18	5	16	31	70
Colombia	0	1	0	28	29
Chile	6	4	2	16	28
México	5	7	5	6	23
Argentina	9	2	2	2	15
Portugal	5	6	0	0	11
Cuba	0	0	0	1	1
Peru	0	0	0	1	1
Puerto Rico	0	0	0	1	1
Total Iberoamerican CPG					311

Conclusions



- With the exception of Spain, guideline development and diffusion in Iberoamerican countries are in their initial stages.
- Although some Latin-American countries have already made some progress in this area, most of these initiatives have not been systematized, reducing the number of guidelines indexed in biomedical journals.
- Efforts have been especially made in Brazil and Mexico to increase the CPG production, those efforts should be contrasted with the production identified in this research.

Conclusions



- There are several producers and country generic databases in Iberoamerican countries; nevertheless CPGs are scarcely distributed in different sources of information and they are mostly published as grey literature.
- Iberoamerican countries' production of CPGs is distributed among different sources of information and is related to the economic development of countries.
- The clinicians tend to read and consult the new trends of management in their own language.
- Although existing platforms or Clearing Houses have been put in place, such as Guiasalud in Spain, there is still a need for building capacities in other countries.
- Those arguments define the need for a Spanish/Portuguese language Clinical Guideline clearinghouse.

Thanks, obrigado, gracias, eskerrik asko,...

