

LILACS and IBECS: Important tools to assess latin american and iberian literature.

The Problem

One of the greatest **challenges** today is the **large amount of information** available, especially in health sciences. Databases have been created with the aim of gathering and organizing all the content in some subjects. However, one single database cannot reach all scientific publications around the world. Most of the publications in **Spanish** and **Portuguese** are **not indexed** in **MEDLINE**, especially those regarding epidemiological and local public health policies. The two most important databases covering these languages are Latin America and Caribbean Literature in Health Sciences (**LILACS**) and Índice Bibliográfico Español de Ciencias de la Salud (**IBECS** in Spanish), both available at www.bvsasuld.org

Methods

1. Use **PICO** (acronym for the four main elements to formulate a search strategy to answer a **clinical question**).
2. **Population**: diabetic patient with atherosclerotic lower limb ulcer
Intervention: endovascular revascularization
Control: open surgery revascularization
Outcome: limb salvation and ulcer cicatrization
3. Use **boolean** operators (AND, OR, AND NOT) and controlled terms (**MeSH = DeCS**)
4. For **each one** of these fields, we need to use **all possible terms** (synonyms) that can be used to describe them (including their translated terms to portuguese and spanish), also using \$ to "explode" the search.

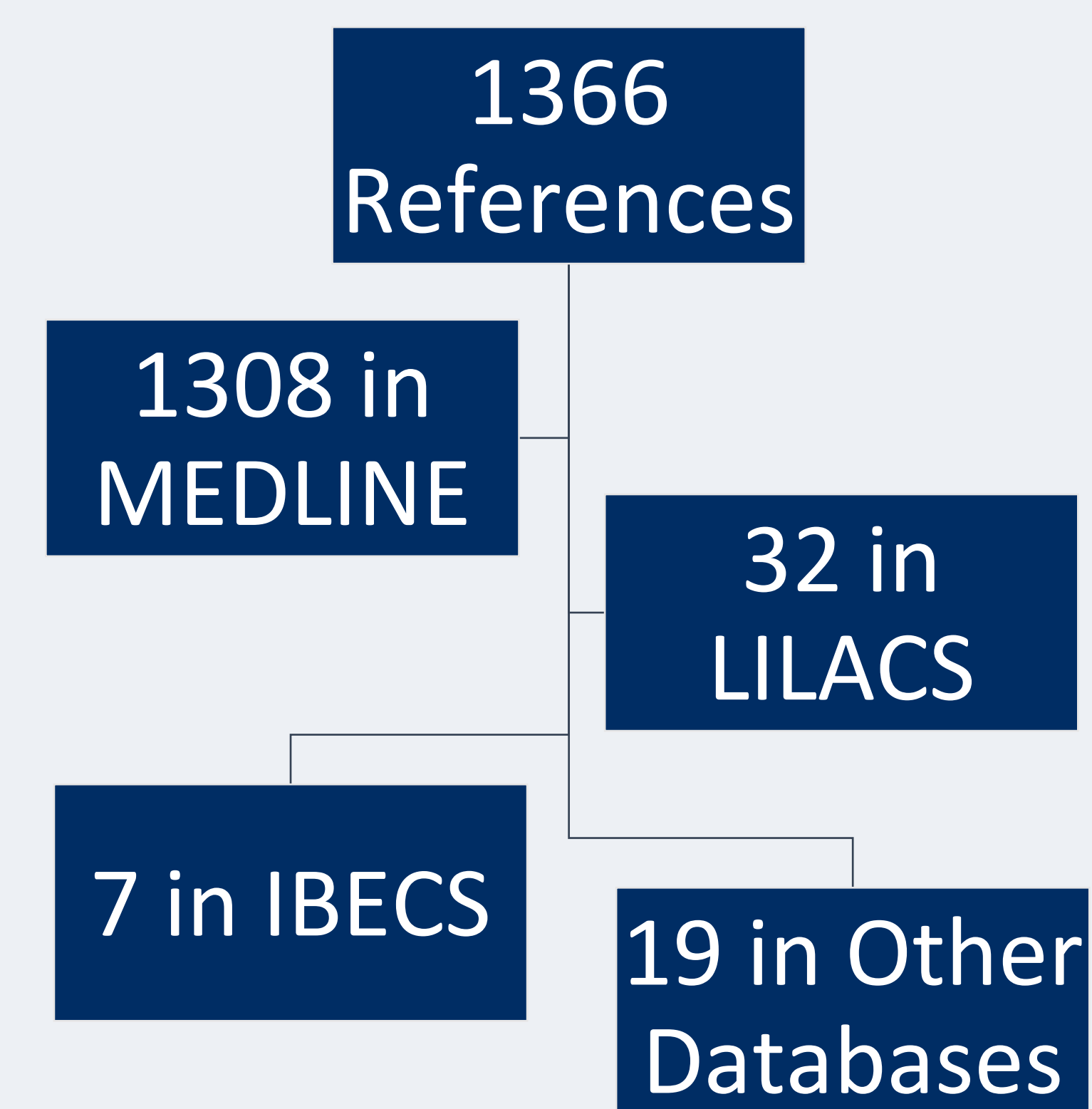
Key Results

- Using the PICO set, on 23 April 2019, we ran a search in VHL obtaining **1366** references:
 - **32** registers are indexed in LILACS
 - 7 in IBECS
 - 1308 in MEDLINE
 - 19 in other databases
- **None** of the 39 registers of LILACS/IBECS databases was presented in MEDLINE results

Conclusions: it seems that the number of references is irrelevant compared to the total, but their importance relies on the presentation of local reality and that the results from LILACS/IBECS are not included in commonly used databases, such as MEDLINE. **A really comprehensive** electronic search **should include** a **LILACS/IBECS** search strategy

Patient or healthcare consumer involvement: this knowledge impacts clinical practice, offering another source of information, improving access to the best practice available in the literature.

P	(Mh:"pé diabético" OR "pé diabético" OR "úlceras diabéticas do pé" OR mh:C14.907.320.191\$ OR Mh:C17.800.893.592.450.200\$ OR mh:C19.246.099.500.191\$ OR Mh:C19.246.099.937.250\$) OR (mh:"úlceras do pé" OR "úlceras do pé" OR "úlceras plantares" OR mh:C17.800.321.250\$ OR mh:C17.800.893.592.450\$ OR Mh:"úlceras da perna" OR "úlceras da perna" OR mh:C17.800.893.592\$) OR ((mh:"doença arterial periférica" OR "doença arterial periférica" OR "doença arterial obstrutiva periférica" OR "arteriopatia periférica" OR Mh:C14.907.137.126.307.500\$ OR Mh:C14.907.617.671\$) AND diabet\$)
I	Mh:"angioplastia" OR "angioplastia" OR "angioplastia transluminal" OR "reconstrução endoluminal" OR "angioplastia transluminal percutânea" OR "angioplastia percutânea transluminal" OR Mh:E02.148.050\$ OR Mh:E04.100.814.529.124\$ OR Mh:E04.502.382.124\$ OR Mh:E05.157.016\$ OR Mh:"Angioplastia com Balão a Laser" OR "Angioplastia com Balão a Laser" OR "Angioplastia Transluminal Percutânea a Laser" OR Mh:E02.148.050.060.105\$ OR Mh:E02.148.050.075.080\$ OR Mh:E02.594.060.080\$ OR Mh:E04.014.520.060.080\$ OR Mh:E04.100.814.529.124.060.105\$ OR Mh:E04.100.814.529.124.075.080\$ OR Mh:E04.502.382.124.060.105\$ OR Mh:E04.502.382.124.075.080\$ OR Mh:E05.157.016.060.105\$ OR Mh:E05.157.016.075.080\$ OR Mh:"angioplastia a laser" OR "angioplastia a laser" OR Mh:E02.148.050.075\$ OR Mh:E02.594.060\$ OR Mh:E04.014.520.060\$ OR Mh:E04.100.814.529.124.075\$ OR Mh:E04.502.382.124.075\$ OR Mh:E05.157.016.075\$ OR Mh:"angioplastia com balão" OR "angioplastia com balão" OR Mh:E02.148.050.060\$ OR Mh:E04.100.814.529.124.060\$ OR Mh:E04.502.382.124.060\$ OR Mh:E05.157.016.060\$ OR Mh:"procedimentos endovasculares" OR "procedimentos endovasculares" OR Mh:E04.100.814.529\$ OR Mh:E04.502.382\$ OR Mh:"salvamento de membro" OR "salvamento de membro" OR Mh:E04.100.814.603\$ OR Mh:E04.555.400\$ OR Mh:E04.680.350\$ OR Mh:"procedimentos cirúrgicos vasculares" OR "procedimentos cirúrgicos vasculares" OR "cirurgia vascular" OR Mh:E04.100.814\$



How to perform an advanced electronic search in the health sciences databases LILACS and IBECS

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Take a picture to get the search strategy.

