Bridging the Language Gap: Generative Models for Efficient Medical Concept Discovery

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Breaking Language Barriers in Global Health Research

- While English connects us, it's not universal.

- With 1.5 billion English speakers in a world of over 8 billion, language barriers limit access to critical medical knowledge.
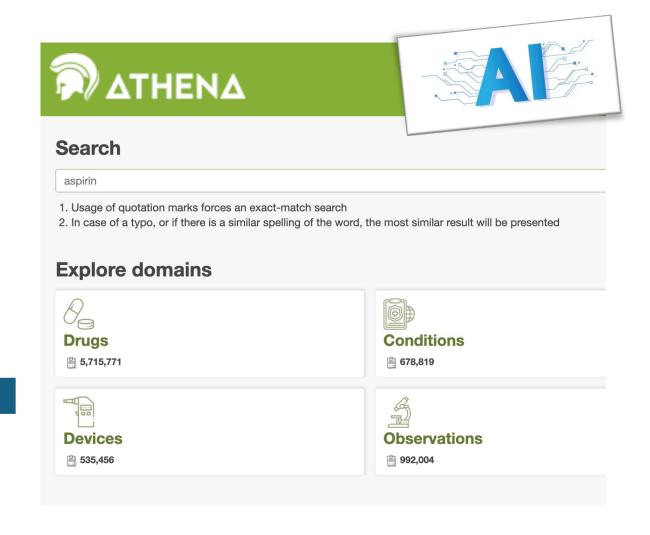
Athena: A Cornerstone for Collaboration

Athena harmonizes global health data with standardized vocabularies, but its English-only interface can limit accessibility. A new AI-assisted tool bridges the gap.

"Constipado: Cold or Constipation?"

Generative Models for Efficient Medical Concept Discovery

Researcher ── Provide medical term in any language ──▶ **LLM Agent** ── **Athena API**

Disambiguation - Display posible meanings in user language

Select a medical tem from the list

Interpret and translate term into English

Generates synonyms

Display synonyms in user language

Select most appropriate term

Request standardized vocabularies and mappings

Retrieve standardized information

Translate information back into original language

Present translated results