Implementing the Infobutton for the Library

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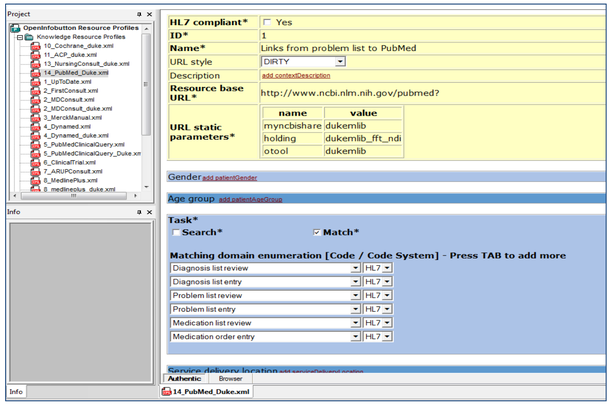

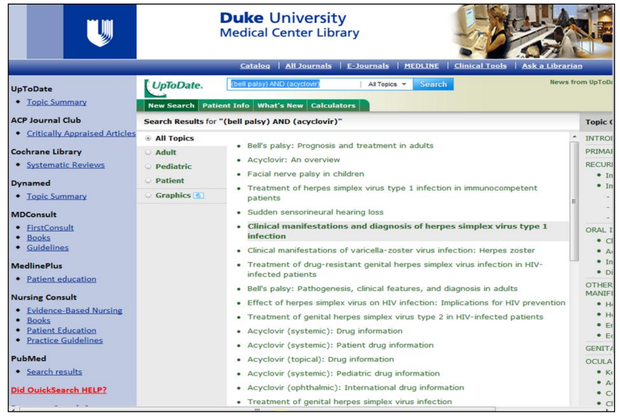

Background

Infobutton is a content-specific link from one information system – such as an electronic health record – to some other resource (such as UpToDate, PubMed, etc.) that provides information relevant to the initial context.

- Uses an open source platform to foster wide adoption & innovation
- Duke's clinical IT department was interested, but wanted more information
- Library wanted:
  - Resources from the Library to be accessible in the electronic medical record
  - To simplify searching and resource selection for students
- No budget for creating federated search

Configuration

1. Select clinically relevant resources representing drug, point-of-care, textbooks, guidelines, patient education, and nursing
2. Use XML editor (Altova) to create XML-based knowledge resource profiles
   - Investigate URL parameters
   - Determine how granular the search could be in each resource (i.e., guidelines, books from MD Consult)
   - Send profiles to Utah server for hosting
3. Design search box - Library's Clinical Tools page
4. Design results page - Limitations: some resources require new window
5. Revise approach as discovered what was possible

Bottom line: Simplified our approach as we developed the tool

Next Steps

- Create instance of OpenInfobutton on Duke servers
- Use QuickSearch to demonstrate to IT the effectiveness of searching across Library resources
- Promote integration of OpenInfobutton into new electronic medical record system (Epic)
- Anticipate increasing complexity in EMR as we seek to connect resources with specific patient variables such as disease codes, age, and medications
- Re-evaluate resources for inclusion
- Wait for Infobutton LITE tool for easier resource configuration

More about Open Infobutton
www.openinfobutton.org

See the Search engine
http://www.mclibrary.duke.edu/tools/clinical/ClinSearch