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Search strategy library: testing and evaluating a resource for sharing literature searches and blocks

Session F-05

Workshop format

- Welcome
- Do we need such a resource?
- Quality assurance as outlined in article 4
- Best practice as outlined in article 4
- Technical details
- Logging on
- How to use
- Testing
- Adding strategies –demo
- Challenges and next steps
- Access and cost
- Evaluation
- Contact

Do we need such a resource?

1. Searching Forerunner Feasibility Scoping & Workshop Report.

Report prepared by Michelle Maden, Independent Clinical Information Specialist, March 2017

Six thousand-four hundred and thirty mediated searches were carried out across the North West by clinical librarians in 2013-14. Forty-five percent of these taking 2 hours or longer to undertake. ***Currently there is no mechanism for sharing this work outside of individual organization or for knowing how many of these searches were unique and how many were replicating searches already undertaken within another organization.***

Do we need such a resource?

2. Sharing and reusing search blocks/strings in medical literature searching:
Challenges for cooperation

EAHIL 2016

Gerdien B. de Jonge, Regina Kufner Lein and Marli van Amsterdam

All participants want to share more and in a better way

3. How can we work more efficiently and increase the quality of literature searches by sharing literature search blocks?

EAHIL 2015

Gerdien B. de Jonge, Regina Kufner Lein and Marli van Amsterdam

'A solution for sharing and reusing so-called "search blocks" could ease our work, make it more efficient, and make literature searchers more confident.'

Do we need such a resource?

4. Sharing Literature search blocks: status and ideas for a co-operative solution.

EAHIL 2015 workshop report.

Journal of EAHIL 2015; vol 11(3) 11-14

Gerdien B. de Jonge, Regina Kűfner Lein

The discussion on quality issues resulted in a list of requirements for sharing search blocks; these data would contribute to a better understanding of the search and the context of it, and therefore a higher confidence in using it.

| Quality issues (as per article 4) | NGC Library functions |
|--|--|
| Name of author/builder | <input checked="" type="checkbox"/> Yes |
| Date search run | <input checked="" type="checkbox"/> Yes |
| Name of database & provider | <input checked="" type="checkbox"/> Yes |
| Research question | <input checked="" type="checkbox"/> Yes |
| Purpose of search e.g. systematic review | <input checked="" type="checkbox"/> Yes |
| Comments from authors on choices | <input checked="" type="checkbox"/> Yes |
| QA or peer reviewed | <input checked="" type="checkbox"/> Yes |
| Validation | <input checked="" type="checkbox"/> Yes |

| Best Practice (as per article 4) | NGC Library functions |
|---|--|
| Format easy to find | ☑ Yes |
| Open accessible, easy for everyone to contribute & share own strategies | ☑ Yes –SharePoint |
| Should be a control mechanism that the data include the necessary information and metadata. | ☑ Yes - Data fields & thesaurus |
| Structured document, a form to fill in, or a database | ☑ Yes - Data entry form |
| Language of the site must be English | ☑ Yes |
| Clarification of author rights & citation | ☑ Yes |

Technical details of NGC library

- Built with Microsoft SharePoint and hosted on the Royal College of Physicians' infrastructure
- Will be updated to SharePoint 2019 in July which will provide better support for mobile devices
- Uses the standard SharePoint managed metadata service for keyword search
- Keyword term sets are managed from a simple interface that allows adding and editing of single terms or uploading of entire term sets as .csv files
- Secure access using username and password supplied by NGC
- Data can be exposed as an XML feed or - later in 2019 - via an API

Logging on

<https://extranet.rcplondon.ac.uk/sites/ncgc/search-strategies/SitePages/Main.aspx>

| User name | Password |
|-----------|--------------|
| SSLtest1 | library2019! |
| SSLtest2 | library2019! |
| SSLtest3 | library2019! |
| SSLtest4 | library2019! |
| SSLtest5 | library2019! |

How to use

Currently 562 entries in the library – more added weekly
Access via permissions

Finding strategies:

1. Quick searches used browser on home page – only 2 filters can be used
2. Search by keyword: select terms from Thesauri – you can search more than one term
3. Thesauri available as pdf on adding strategies and keyword searching – use control F to find a term
4. By unique assigned identifier (UID) (only one assigned per strategy)

Testing

Exercises

1. Using a keyword search, find search strategies for atrial fibrillation - how many did you find?
2. Using a keyword search, find search strategies for epilepsy – how many did you find?
3. Using a keyword search find a strategy(ies) for Beta blockers
4. Using the quick search filters, find the strategy for a Cochrane review entitled: about dietary supplements for atopic eczema
5. Find the following with unique identifiers: SL000543, SL000544, SL000545
6. Using keyword search – find filters for patients
7. Have a browse

Adding a new strategy – on screen demo

- Search title * according to naming conventions document
- Date search run – select a date from the calendar.
- Has it been quality assured ?
- Database
- Platform
- Search question
- Search outline : Full , Block/section
- Search strategy: Copy and paste your search strategy here. Please do not add search line numbers, just numbers in combination line.
- Report number or reference
- Type of resource
- Author or centre
- Notes
- Full citation: This will be for others using your search
- Sources consulted
- Keywords - Interventions, tests and devices
- Keywords - Conditions
- Keywords - Settings, services and healthcare
- Keywords - Search filters

Challenges

- Finding the right platform
- Construction had to be on own time i.e. after core work delivery
- Started project in 2017!! 1.5 years to develop
- Longest time was thesauri construction – not conventional thesauri - each term does not require indexing – just the subject of the search –already aware needs adding to & currently re-indexing items

Next steps

- NGC focus to add
 - NICE product strategies i.e. Guidelines, (esp upcoming updates), HTA, PHE etc
 - Search filters from in-house and InterTASC resource
- Adding additional thesauri terms – adjusting thesauri
- Making available to a wider audience & managing this

Access and cost

- The current plan is to grant access for free for a 3 month period to evaluate, and assess functionality and calculate resources required to support
- Aim would be to provide support :
 - Via dedicate email: SearchStrategies@rcplondon.ac.uk
 - during office hours London time i.e. 9am-5pm Monday to Friday
 - adding and approving strategies for inclusion (once a week)
 - updating thesauri (once a month)
 - Addressing IT issues (within 5 days during office hours as above)
- The Royal College of Physician own the Library and are a non profit making organisation. There is currently no external funding
- A subscription fee would be required to cover costs to support the resources (this is will probably have a sliding scale)

Most important aspects



RICHARD NEWTON, SharePoint expert

Information Specialist Team

Liz Pearton



Jill Cobb



Agnes Cuyas



Joe Runicles



Claire Townsend



Evaluation & Q's

Please fill out the evaluation form to help us develop this library further 😊



Contact: SearchStrategies@rcplondon.ac.uk

THANK YOU 😊

NGC

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