

Primary Health Care (PHC) Search Filter: Bringing the evidence to shore

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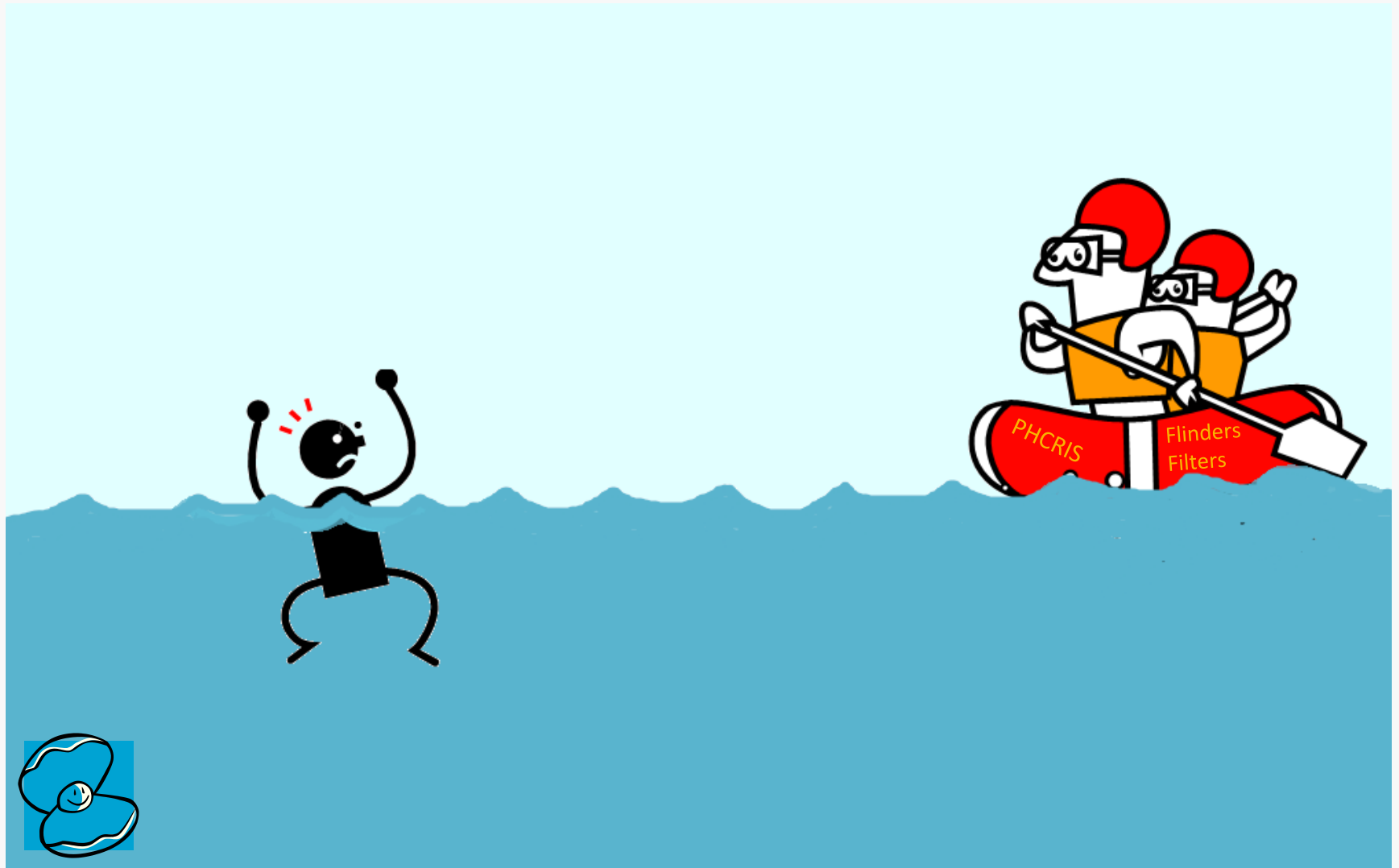
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Primary Health Care Research & Information Service (PHCRIS)

‘PHCRIS helps people to
find information, share knowledge,
build capacity and exchange ideas
about primary health care’

- Professor Ellen McIntyre OAM, Director





Content

- Development of the PHC Search Filter
- PHCRIS and Flinders Filters
- PHC Search Filter demonstration
- Evaluation of the PHC Search Filter
- Implications and where to next

The Need for Evidence

- ‘Evidence-informed policy and practice pathway’
 - Sourcing, using, implementing evidence
- Evidence can:
 - Inform care
 - Guide decisions
 - Assess value
- Up-to-date information for:
 - Researchers, policy makers, practitioners



Coming to the Rescue

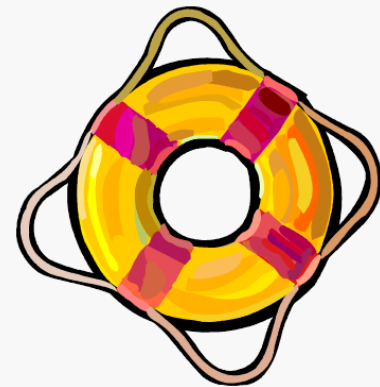
- Journals, citations, grey literature
- Overwhelming for searchers
- Time pressures
- Search Filters:
 - Evidence-based literature strategies
 - Standardised, systematic, subject-based
 - Known level of performance



What is the PHC Search Filter?

An efficient search strategy providing easy access to the PHC literature you need

- Developed by Flinders Filters
- Hosted on the PHCRIS Website
- Sources PHC literature through PubMed



Stage 1:

PHC Search Filter Development

A Collaborative Project

- PHCRIS
 - Knowledge exchange organisation
- Flinders Filters
 - Specialise in information retrieval and development of real world solutions
- Expert Advisory Group
- Aimed to develop search system for automated harvesting of literature



Five Phases of Development

1. Gold standard set of PHC-specific articles
2. Index terms and textwords identified
3. Combinations of search terms tested
4. Assessed most effective search strategy
5. Filter translated for use in PubMed



Primary Health Care (PHC) Search Filter

PHC Search Filter

The PHC Search Filter is an efficient search strategy giving you easy access to the primary health care literature you need.

To try the PHC Search Filter either:

1. Follow one of the **One-Click search** links for a topic, OR
2. **Build-Your-Own search**; see the Help section **Quick Start Guide**.

One-Click search | **Build-Your-Own search**

Build-Your-Own search using the following, all are optional. [Quick Start Guide](#) available.

Topic and/or keywords of your interest:

Topic: Searching entire PHC concept (without a topic)

<input type="radio"/> Chronic disease management	<input type="radio"/> Heart failure
<input type="radio"/> Continuity of patient care	<input type="radio"/> Indigenous health
<input type="radio"/> Coronary heart disease	<input type="radio"/> Mental illness
<input type="radio"/> Diabetes	<input type="radio"/> Patient experience
<input type="radio"/> General Practitioners	<input type="radio"/> Palliative care
<input type="radio"/> Health services accessibility	<input type="radio"/> Rural and remote health
<input checked="" type="radio"/> Don't use a specific topic - entire PHC concept	

Keywords:

Refine search using any combination of:

Free Full Text RCTs and/or Systematic Reviews Australia

Published date: All results

Search (opens PubMed search in new window) **Reset**



PHC Search Filter

- [Watch introductory demo](#)
- [Features/benefits/limitations](#)
- [How it works](#)
- [Background information](#)
- [Frequently Asked Questions](#)
- [Subscribe for updates](#)
- [Feedback / Contribute](#)
- In October 2012 we evaluated the PHC Search Filter. Thank you to those who participated. Here are our findings in the [Evaluation report](#) [PDF: 472KB]

Help

[Quick Start Guide](#)

[Topic](#)

[Keywords](#)

[Free Full Text](#)

[RCTs / Systematic Reviews](#)

[Australia](#)

[Published Date](#)

[Search URL](#)

PHC Search Filter URL

[http://www.ncbi.nlm.nih.gov/sites/entrez?cmd=search&db=pubmed&term=\(\(Primary care\[tw\] OR General practi*\[tw\] OR Primary health care\[tw\] OR Community mental health services\[mh:noexp\] OR Family practice\[mh:noexp\] OR Home care services\[mh:noexp\] OR Family physicians\[mh:noexp\] OR Community health services\[mh:noexp\] OR Community health nursing\[mh:noexp\] OR Community pharmacy services\[mh:noexp\] OR Community health workers\[mh:noexp\] OR Preventive health services\[mh:noexp\]\) AND Medline\[sb\]\) OR \(\(Primary care\[tiab\] OR General practi*\[tiab\] OR Primary health*\[tiab\] OR Community mental health*\[tiab\] OR Family practice\[tiab\] OR Family medicine\[tiab\] OR Family physician*\[tiab\] OR Home care\[tiab\] OR Home based\[tiab\] OR Home health*\[tiab\] OR Community health*\[tiab\] OR Community nurs*\[tiab\] OR health visit*\[tiab\] OR Community pharmac*\[tiab\] OR Preventive care\[tiab\] OR Prevention program*\[tiab\] OR Preventive service*\[tiab\] OR Preventive health\[tiab\] OR Health promotion\[tiab\]\) NOT Medline\[sb\]\) AND English\[la\]\)](http://www.ncbi.nlm.nih.gov/sites/entrez?cmd=search&db=pubmed&term=((Primary care[tw] OR General practi*[tw] OR Primary health care[tw] OR Community mental health services[mh:noexp] OR Family practice[mh:noexp] OR Home care services[mh:noexp] OR Family physicians[mh:noexp] OR Community health services[mh:noexp] OR Community health nursing[mh:noexp] OR Community pharmacy services[mh:noexp] OR Community health workers[mh:noexp] OR Preventive health services[mh:noexp]) AND Medline[sb]) OR ((Primary care[tiab] OR General practi*[tiab] OR Primary health*[tiab] OR Community mental health*[tiab] OR Family practice[tiab] OR Family medicine[tiab] OR Family physician*[tiab] OR Home care[tiab] OR Home based[tiab] OR Home health*[tiab] OR Community health*[tiab] OR Community nurs*[tiab] OR health visit*[tiab] OR Community pharmac*[tiab] OR Preventive care[tiab] OR Prevention program*[tiab] OR Preventive service*[tiab] OR Preventive health[tiab] OR Health promotion[tiab]) NOT Medline[sb]) AND English[la]))

One-Click Searching

- Choose from 12 topics

Choose from one of the following available topics:

▶ **Chronic Disease Management**

▶ **Continuity of patient care**

▶ **Coronary heart disease**

▶ **Diabetes**

▶ **General practitioners**

▶ **Health services accessibility**

▶ **Heart failure**

▶ **Indigenous health**

▶ **Mental illness**

▶ **Palliative care**

▶ **Patient experience**

▶ **Rural and remote health**

▶ **OR
another topic of your choice**

Build-Your-Own Searching

- Search using keywords of your choice

Build-Your-Own search using the following, all are optional. [Quick Start Guide](#) available.

Topic and/or keywords of your interest:

Topic:  *Searching entire PHC concept (without a topic)*

Chronic disease management Heart failure
 Continuity of patient care Indigenous health
 Coronary heart disease Mental illness
 Diabetes Patient experience
 General Practitioners Palliative care
 Health services accessibility Rural and remote health
 Don't use a specific topic - entire PHC concept

Keywords: 

Refine search using any combination of:

Free Full Text  RCTs and/or Systematic Reviews  Australia 

Published date: All results 

Search (opens PubMed search in new window) **Reset**

PHC Search Filter in Action

- <http://www.phcris.org.au/phcsearchfilter/video.php>

Stage 2:

PHC Search Filter Evaluation

Methods



- Aimed to obtain user feedback on:
 - How the PHC Search Filter had been received
 - Additional topic suggestions
 - User-recommended improvements
- Mixed methods
 - Web statistics
 - 12 item online evaluation survey
 - Quantitative: reasons for use/perceived outcomes
 - Qualitative: opinions/recommendations

Survey Respondents

- 90 completed surveys received
- 50% had used the PHC Search Filter
- 28% researchers
- 20% practitioners
- 12% policy makers
- 26% university
- 12% service provider
- 18% government



PHC Search Filter Statistics

- 3 800 general page views (78% new viewers)
- Online usage mostly from Australia (93%)
- 650 subscribers to mailing list
 - Researchers
 - Policy makers
 - Medicare Locals
 - Allied health organisations



Search Preferences

- More users selected the build-your-own option
- Chronic disease management popular one-click
- ‘Australia only’ and ‘free full text’ limits popular
- Survey data preferences:
 - 42% used both search options
 - 29% one-click
 - 27% build-your-own



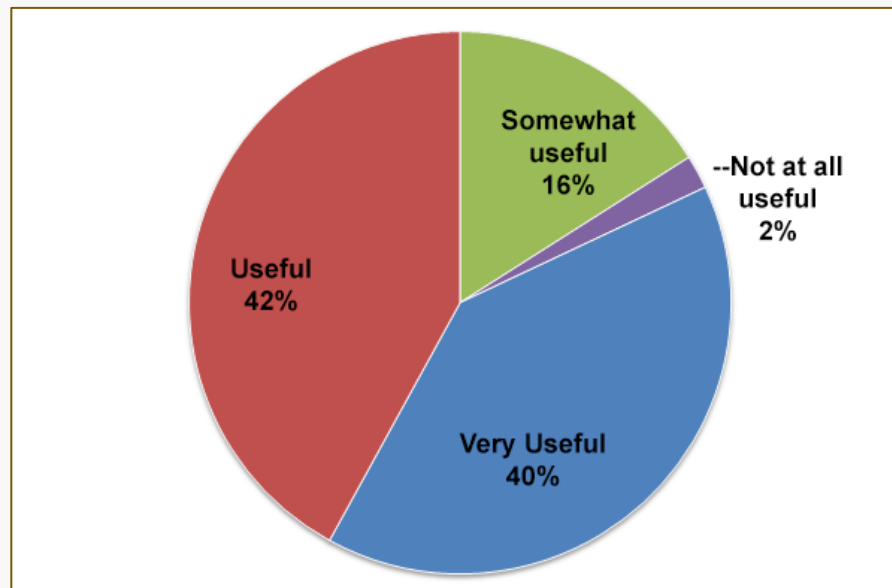
Perceptions of the PHC Search Filter

- 96% found the Filter easy to navigate
- 82% would recommend the Filter to others
- 67% used the Filter to keep up with latest literature
- Additional topic recommendations:
 - Child/maternal health
 - Health prevention



Usefulness of the PHC Search Filter

- 71% indicated the Filter was useful/very useful to their work
- 82% noted that it was useful/very useful in general



How useful do you think the PHC Search Filter is in general?

Qualitative Feedback

- *“this tool would be great for a basic search in the primary care context, as it can simplify the search process for people who are unaccustomed to other ways of searching, or who do not have access to alternatives such as university library databases... it certainly won’t hurt to add the PHCRIS option to my Favourites for future searches”*
[Researcher, University]
- *“I played with the tool, looking for information on a health topic of personal interest – was impressed with the information returned”* [Policy maker, Federal Government]

Challenges

- Evaluation:
 - Generalisability of findings
 - Perceptions of specific groups
- PHC Search Filter:
 - Specificity vs. comprehensiveness
 - Dependence on PubMed input
 - English language restrictions
 - Difficulty retrieving full text of articles



Future Directions

- Exploring needs of specific populations
- Updating searches based on user feedback and data
- Scoping similar tools for different databases
- Continued evaluation
- Promoting awareness





Contact Us

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