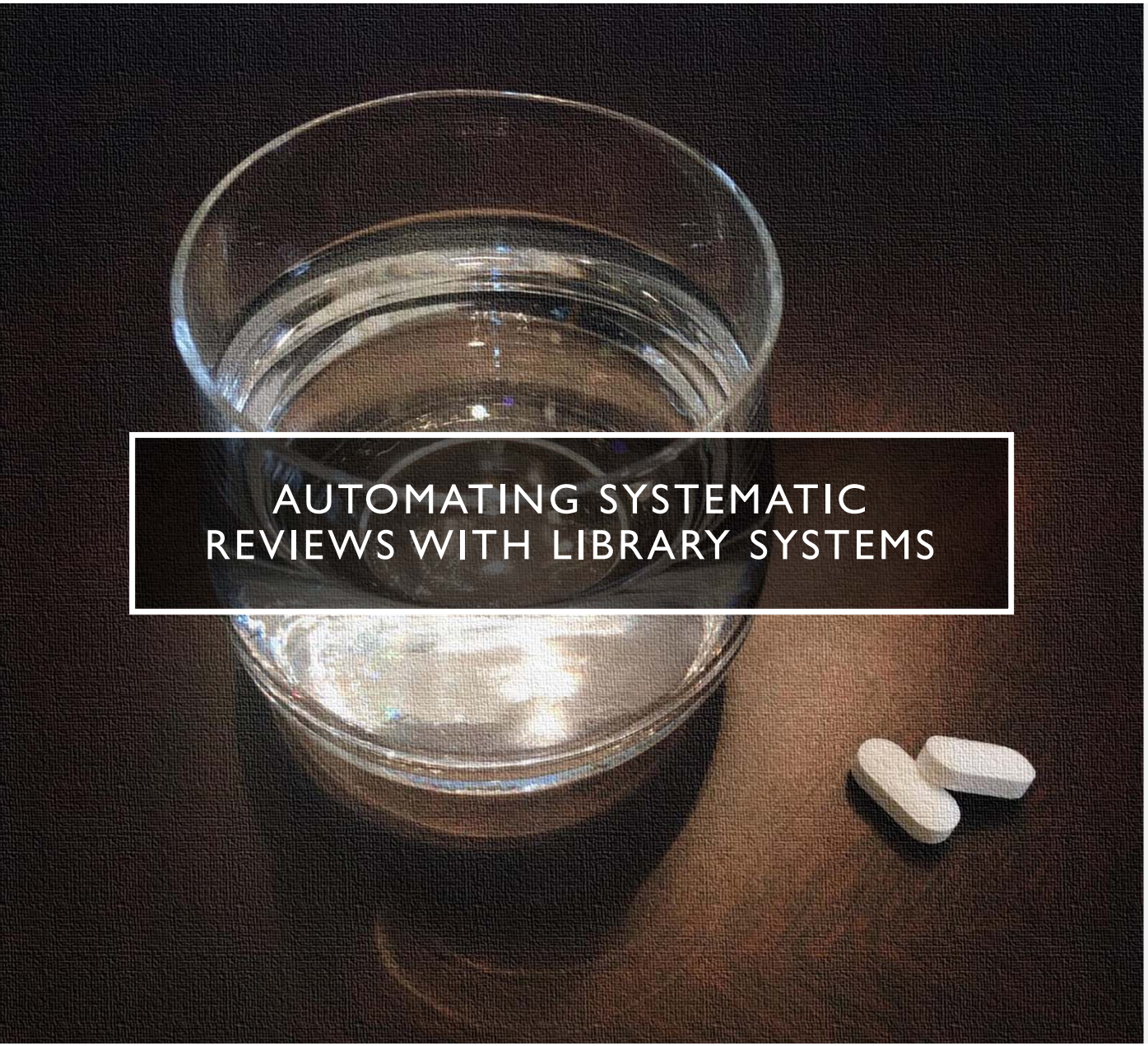


AUTOMATING SYSTEMATIC REVIEWS WITH LIBRARY SYSTEMS

Are Primo and Alma APIs a pain reliever?

Peta Hopkins, Bond University

ANZREG 2018

WHAT IS SO PAINFUL ABOUT SYSTEMATIC REVIEWS ANYWAY?

- Accuracy of translating searches across database interfaces
- Volume of citations to be managed and screened for:
  - Relevance to review
  - Availability of full text and download
  - Document delivery requests

I wonder if there is a systematic review on the effect of systematic reviews on repetitive strain injury?

Sounds mind-numbing and tedious

Beahler, Sundheim and Trapp (2000) describe a systematic review that retrieved >40,000 abstracts for screening.

1356 met screening criteria to look at full text

207 were included in the final review

Chris C Beahler, Jennifer J Sundheim, Naomi I Trapp, Information retrieval in systematic reviews: Challenges in the public health arena, American Journal of Preventive Medicine,
Volume 18, Issue 4, Supplement 1, 2000, Pages 6-10, ISSN 0749-3797, https://doi.org/10.1016/S0749-3797(00)00135-5.(http://www.sciencedirect.com/science/article/pii/S0749379700001355)

SYSTEMATIC REVIEW ACCELERATOR

The Centre for Research in Evidence-Based Practice goal for systematic reviews is to:

- 2 Weeks from Start to Finish
- Develop a toolset to streamline and automate processes where possible.

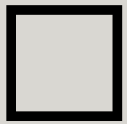
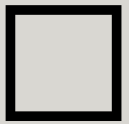
- The goals for automating with library systems
  - Find & download full text from subscriptions
  - Batch requests for document delivery

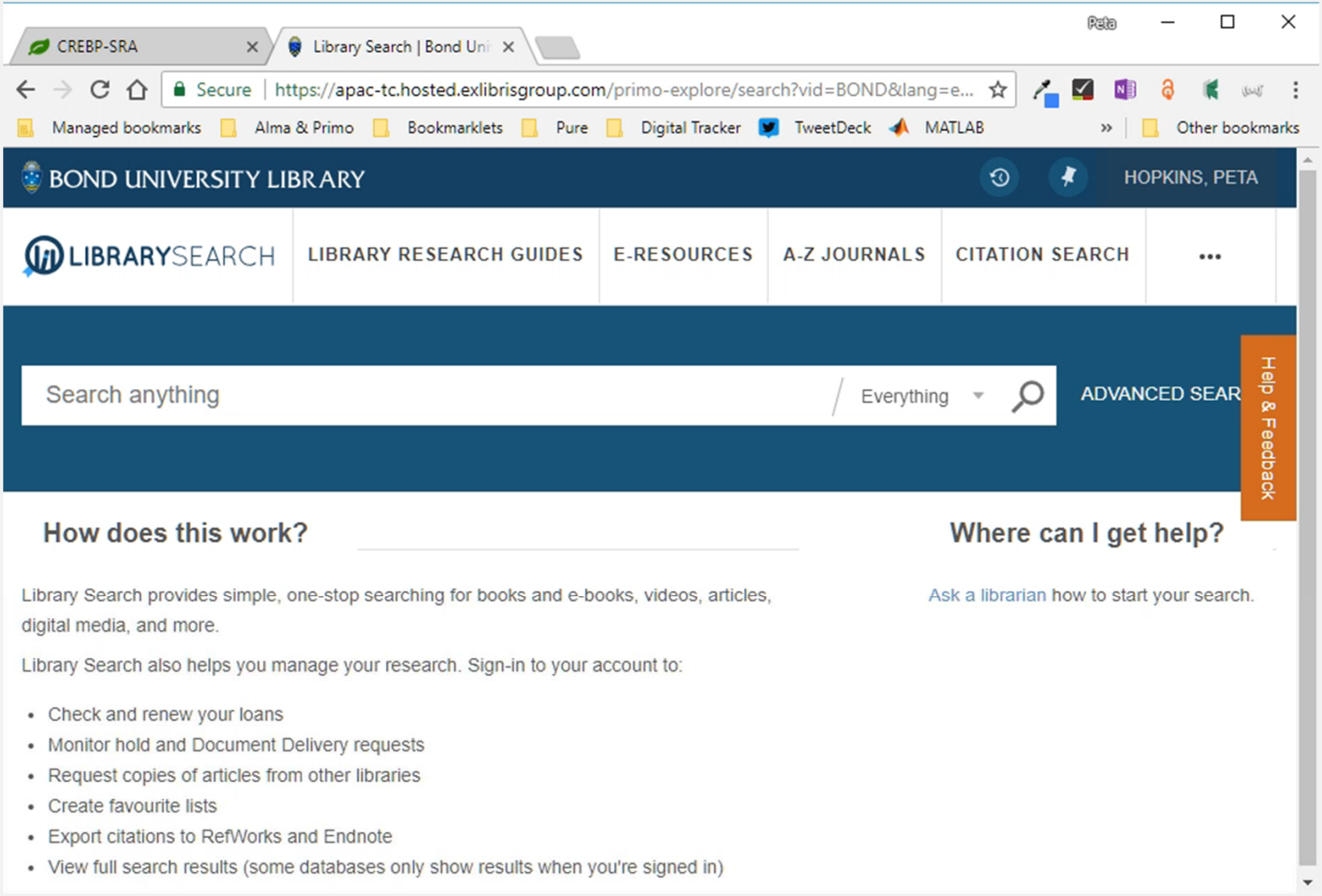
https://www.crebp.net.au/systematic-review-accelerator/

CREBP PARTNERSHIP WITH BOND UNIVERSITY LIBRARY

The partnership explored these questions?

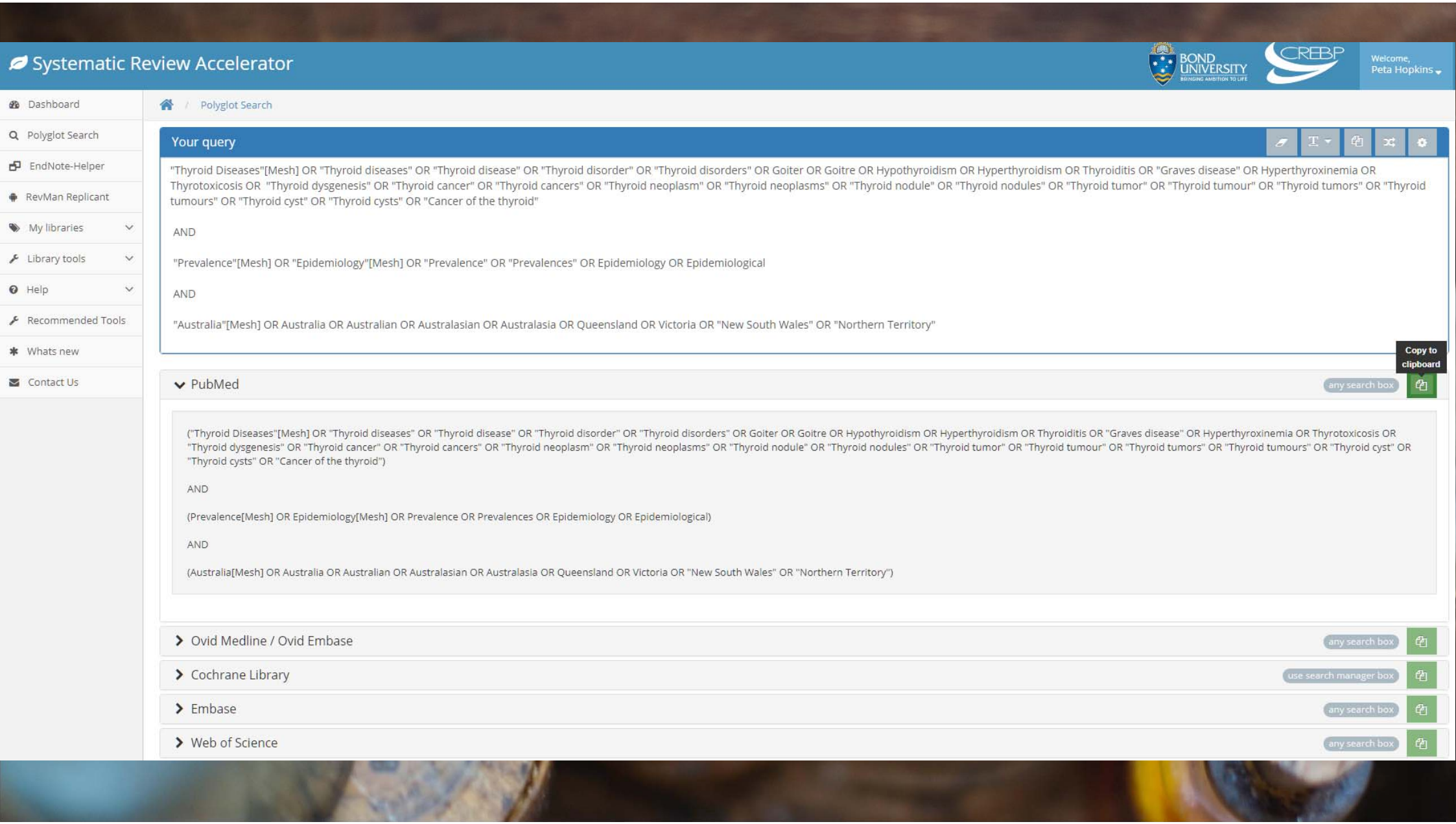
- Can Primo APIs be used to find and download full text for a large set of citations?
- Can Alma APIs be used to submit document delivery requests?

Researcher	Library	Developer
		


CREBP-SRA
Library Search | Bond Uni
Peta
Secure
https://apac-tc.hosted.exlibrisgroup.com/primo-explore/search?vid=BOND&lang=e...
Managed bookmarks
Alma & Primo
Bookmarklets
Pure
Digital Tracker
TweetDeck
MATLAB
Other bookmarks
BOND UNIVERSITY LIBRARY
HOPKINS, PETA
LIBRARYSEARCH
LIBRARY RESEARCH GUIDES
E-RESOURCES
A-Z JOURNALS
CITATION SEARCH
Search anything
Everything
ADVANCED SEAR
Help & Feedback
How does this work?
Where can I get help?
Library Search provides simple, one-stop searching for books and e-books, videos, articles, digital media, and more.
Ask a librarian how to start your search.
Library Search also helps you manage your research. Sign-in to your account to:
Check and renew your loans
Monitor hold and Document Delivery requests
Request copies of articles from other libraries
Create favourite lists
Export citations to RefWorks and Endnote
View full search results (some databases only show results when you're signed in)

WISHLIST

- Better documentation on APIs
  - Encoding format – some characters appear to fail submission of requests
- Error messages are not very helpful – really difficult to understand why some requests fail
  - Is Alma sulking? Although within thresholds, unsuccessful requests have to be resubmitted several times. Some just fail altogether – and it's not clear why.
- And in the future… find full text and download
  - highlight unfound citations for document delivery request submission and prevent those with full text from being requested.


Systematic Review Accelerator
BOND UNIVERSITY
CREBP
Welcome, Peta Hopkins
Dashboard
Polyglot Search
EndNote-Helper
RevMan Replicant
My libraries
Library tools
Help
Recommended Tools
Whats new
Contact Us
Polyglot Search
Your query
"Thyroid Diseases"[Mesh] OR "Thyroid diseases" OR "Thyroid disease" OR "Thyroid disorder" OR "Thyroid disorders" OR Goiter OR Goitre OR Hypothyroidism OR Hyperthyroidism OR Thyroiditis OR "Graves disease" OR Hyperthyroxinemia OR Thyrotoxicosis OR "Thyroid dysgenesis" OR "Thyroid cancer" OR "Thyroid cancers" OR "Thyroid neoplasm" OR "Thyroid neoplasms" OR "Thyroid nodule" OR "Thyroid nodules" OR "Thyroid tumor" OR "Thyroid tumour" OR "Thyroid tumors" OR "Thyroid tumours" OR "Thyroid cyst" OR "Thyroid cysts" OR "Cancer of the thyroid"
AND
"Prevalence"[Mesh] OR "Epidemiology"[Mesh] OR "Prevalence" OR "Prevalences" OR Epidemiology OR Epidemiological
AND
"Australia"[Mesh] OR Australia OR Australian OR Australasian OR Australasia OR Queensland OR Victoria OR "New South Wales" OR "Northern Territory"
Copy to clipboard
PubMed
any search box
("Thyroid Diseases"[Mesh] OR "Thyroid diseases" OR "Thyroid disease" OR "Thyroid disorder" OR "Thyroid disorders" OR Goiter OR Goitre OR Hypothyroidism OR Hyperthyroidism OR Thyroiditis OR "Graves disease" OR Hyperthyroxinemia OR Thyrotoxicosis OR "Thyroid dysgenesis" OR "Thyroid cancer" OR "Thyroid cancers" OR "Thyroid neoplasm" OR "Thyroid neoplasms" OR "Thyroid nodule" OR "Thyroid nodules" OR "Thyroid tumor" OR "Thyroid tumour" OR "Thyroid tumors" OR "Thyroid tumours" OR "Thyroid cyst" OR "Thyroid cysts" OR "Cancer of the thyroid")
AND
(Prevalence[Mesh] OR Epidemiology[Mesh] OR Prevalence OR Prevalences OR Epidemiology OR Epidemiological)
AND
(Australia[Mesh] OR Australia OR Australian OR Australasian OR Australasia OR Queensland OR Victoria OR "New South Wales" OR "Northern Territory")
Ovid Medline / Ovid Embase
any search box
Cochrane Library
use search manager box
Embase
any search box
Web of Science
any search box

1.

2.

3.

4.

IMAGE CREDITS

1. Photo by pina messina on Unsplash
2. Photo by Toa Heftiba on Unsplash
3. Photo by Jenelle Ball on Unsplash
4. Photo by Jared Rice on Unsplash