Health Libraries Australia Professional Development Days 2017

Reviews: Systematic Reviews and more…

Thursday 13 - Friday 14 July 2017 8:30 AM - 4:00 PM

Building 410, Medical School, Curtin University, Kent St, Bentley

PROGRAM DAY 1

8.30am	**Registration** – Foyer, Level 2 Medical School Building (410)
9.00 am **Learning space 101, Level 1, Medical School**	Welcome – Catherine Clark , University Librarian, Curtin University and Ann Ritchie, Convenor, Heath Libraries Australia (HLA) Introductions, housekeeping – Diana Blackwood, Faculty Librarian – Health Sciences, Curtin University, HLA PD day convenor
9.20 am	**Session 1: Keynote address** **Chair: Diana Blackwood,** Faculty Librarian, Health Sciences, Curtin University
9.25 am	*Which review is right for you? Scoping the scope of an evidence synthesis(ppt)* *Video presentation* Associate Professor Edoardo Aromataris, Director - Synthesis Science, Joanna Briggs Institute
10.20 am	*A Librarian's experience searching for evidence for the Western Australian Group for Evidence Informed Healthcare Practice WAGEIHP.* Terena Solomons, Research Assistant WAGEIHP & Librarian University of Western Australia
10.40 am	**Morning tea** – including networking with sponsors and colleagues
11.10 am	**Session 2: Managing Library Support for Systematic Reviews** **Chair: Gemma Siemensma**, Library Manager, Ballarat Health Services, VIC
11.15 am	*Creating sustainable and engaging partnerships* Carole Gibbs, Sarah McQuillen and Anthony Stevens, University of South Australia
11.35 am	*Systematic support for systematic reviews: supplementing research consultations with workshops and online tools* Yulia Ulyannikova and Elaine Tam, University of Sydney
11.55 am	*Systematic overflow: a matrix-like toolkit for sustainable support for Systematic and Systematic-Like Reviews* Fiona Russell, Deakin University

12.15 pm	*Managing Systematic Review Search Results using EndNote* Kanchana Ekanayake and Yulia Ulyannikova, University of Sydney
12.35 pm	**Lunch** – including networking with sponsors and colleagues
1.30 pm	**Presentations** **Chair: Suzanne Lewis,** Library Manager**,** Central Coast Local Health District, NSW *1.30 – 1.40pm HLA/Medical Director Health Informatics Innovation Award* Alison Hart, Medical Director *1.40 – 1.50pm ALIA Fellowship award* Patricia Genat, ALIA President *1.50 – 2.00pm ALIA PD Scheme Health Specialisation: presentation of certificates to Certified Professionals (Health)* Jessica Pietsch, ALIA WA State Manager *2.00 – 2.30pm Gold sponsor presentations* - Wolters Kluwer and ProQuest
2.30 pm	**Session 3: Extending our roles and getting practical** **Chair: Angela Smith,** Communication & Liaison Librarian, HNE Health Libraries, Hunter New England Local Health District
2.35 pm	*Defining Scope: More than Bibliometric Measures (filter for integrated care)* Suzanne Lewis, Central Coast Local Health District, Raechel Damarell, Flinders University and Jennifer Tieman, Flinders University
2.55 pm	**Afternoon tea**
3.15 pm	*Stretching past our roles, building and developing true partnerships* Julie Toohey, Griffith University and Kate LeMay, ANDS
3.35 pm	*Differences in MeSH mapping between Ovid Medline and Ebsco Medline* Daniel McDonald, Darling Downs Hospital and Health Service **Spreadsheet showing comparative results**
3.55 – 4.10 pm	**Wrap up, evaluations, thanks** **CLOSE**

PROGRAM DAY 2

8.15am	**Registration** - Foyer, Level 2 Medical School building (410)
8.45-10.15 **Learning space 101,** **Level 1, Medical** **School** Workshop 1	*Using text-mining tools for search filter development and designing search strategies* James Taylor, Team Manager, Customer Success, Asia Pacific Health Learning, Research & Practice, Wolters Kluwer
10.15-11.00am Workshop 2 – Part 1	*PubMed searching for systematic reviews – advanced concepts* Cheryl Hamill, South Metropolitan Health Service, Perth, WA Selected references on reporting of literature searches
11.00am	**Morning tea**
11.30am – 12noon Workshop 2 – Part 2	*Recent changes to PubMed* Cheryl Hamill, South Metropolitan Health Service, Perth, WA
12noon – 1.30pm Workshop 3	*Searching for grey literature* Jessica Tyndall, Medical Librarian, Flinders University
1.30pm	**Lunch**
2.30pm – 3.45pm Workshop 4	*Top 10 Medical and Health Research Data Things* Kate Le May, ANDs
3.45pm	**Close**

Thank-you to our sponsors for making this event possible.

Thank-you to the organising committee who have volunteered their time to bring you this fantastic event.

Thank-you to Curtin University for their generosity in hosting us.

DAY 1

Session 1 - Keynote address and Terena Solomons

Which review is right for you? Scoping the scope of an evidence synthesis

Associate Professor Edoardo Aromataris, Director - Synthesis Science, Joanna Briggs Institute

Edoardo Aromataris is the Director of Synthesis Science and Associate Professor in the Joanna Briggs Institute in the Faculty of Health and Medical Sciences at the University of Adelaide, South Australia. He has a background in cellular physiology and pharmacology. Edoardo entered the field of evidence based health care in 2009 and found a specific focus in the domain of evidence synthesis. Whilst he has particular expertise in the synthesis of quantitative evidence, in his role as Director of Synthesis Science for the Joanna Briggs Institute he has been involved in the further development of diverse types of review methodology, including umbrella reviews and overviews and the synthesis of qualitative evidence, and the conduct of these reviews. He is also the Editor in chief of the JBI Database of Systematic Reviews and Implementation Reports.

Outline: Since their inception as high quality and reliable research products to guide health care practice, systematic reviews and evidence syntheses have continued to evolve methodologically. Today, a potential reviewer and their review team is faced with a diverse range of synthesis methodologies to navigate and consider. Sometimes, the selection of the appropriate methodology or 'type' of review is simple, on other occasions, reviewers may inadvertently pursue an inappropriate methodology from the outset. This presentation briefly highlights a range of systematic reviews that can be aligned with different research questions and their corresponding 'PICO' concepts. It will also introduce some of the new and increasingly popular, kids on the block among synthesis methodologies including umbrella reviews, scoping reviews and rapid reviews and when to use them.

A Librarian's experience searching for evidence for the Western Australian Group for Evidence Informed Healthcare Practice WAGEIHP

Terena Solomons, Research Assistant WAGEIHP & Librarian, University of Western Australia

Terena has worked in special and academic libraries for the past 25 years. She managed the medical library at Hollywood Private Hospital for 17 years. For the past 3 years Terena has worked as a casual Research Assistant for the Western Australian Group for Evidence Informed Healthcare Practice, a JBI Centre for Excellence. Terena also works part time as a Librarian at the University of Western Australia, supporting the Science Faculty.

Abstract

The Wound Healing and Management (WHAM) Node is part of the Western Australian Group for Evidence Informed Healthcare Practice, a Joanna Briggs Institute (JBI) Centre of Excellence based at Curtin University. The WHAM node develops Evidence Summaries that synthesize the medical and nursing literature relating to wound care topics and inform Recommended Practices. Terena Solomons, a medical librarian with 17 years' experience managing the hospital library at Hollywood Private Hospital, will report on her work as Research Assistant for the WHAM node, developing search strategies for finding evidence in databases and grey literature and maintaining an EndNote library of references. Through this work, Terena was approached to be involved with the literature searching for the recently published JBI Systematic Review "The effectiveness of psychosocial interventions in reducing grief experienced by family carers of people with dementia: a systematic review".

Terena will outline some of the text mining tools used to find keywords and MeSH subject headings, the databases and grey literature sources searched, search filters employed, how search strategies are documented and how the EndNote Library of references is shared with clinicians and researchers.

Session 2: Managing Library Support for Systematic Reviews

Creating sustainable and engaging partnerships

Carole Gibbs & Sarah McQuillen, Academic Librarians, Health Sciences and **Anthony Stevens,** Manager, Academic Library Services, University of South Australia

Sarah McQuillen is an Academic Librarian for the Division of Health Sciences at the University of South Australia. She forms part of the small Academic Library Services team, which proactively and reactively supports the University's teaching and research activities in the health sciences. Sarah currently coordinates the Team's teaching interventions. Working within the Team, Sarah's role also involves resource and research guide creation, collection development, embedded course interventions and individual research (often systematic review) appointments with both staff and students.

Anthony Stevens is the Manager of the Academic Library Services Team at City East Campus working with the Division of Health Sciences. He leads the team of Professional Librarians that support the teaching, learning and research needs of academic staff, researchers and students within the Division. He is responsible for the building of partnerships with research and teaching staff, the development and delivery of high quality training, and provision of relevant services and resources in support of research. He proactively seeks to provide

opportunities for the continuing professional development of Librarians working in the team, particularly in the areas of evidence based practice and systematic searching.

Introduction: Providing a service for Systematic and other reviews is not easy. It depends on partnerships with colleagues, academic staff and students to work well. Those partnerships require time, effort, and a matrix of tools, knowledge, and skills to enable clients to overcome challenges and achieve goals. As a team of Librarians we design and deliver value added services tailored for the learner, teacher, researcher and scholar within the Division of Health Sciences at the University of South Australia.

Objective: This paper will share our experiences of systematic review partnerships.

Methods: We continually expand and adjust our range of support for systematic and other reviews which includes individual appointments, revising research questions, using frameworks, building search strategies, advice on relevant databases, help with variations in database interfaces, and peer review of search strategies. We collaborate with research staff undertaking a review, are acknowledged in papers and have been offered authorship. We negotiate scope, responsibilities and timelines as service for our research groups. We use text mining tools, flirt with search filters and dabble in Grey Literature. We develop tools for reviews and provide both training and problem solving.

Results: We deliver valuable information and support that empowers our clients to undertake their research better. We've established and maintain a hub for knowledge and information exchange that encourages two-way partnerships as evidenced by academic staff who frequently tell their students that "librarians are your best friend". Our appointment stats continue to grow and our collection of acknowledgements keeps increasing.

Conclusion: We synthesize what we learn from our partnerships with colleagues, academic staff and students and translate it into practical solutions, lectures, workshops, at-elbow support and practical research guides, ensuring we align with client challenges and roles to achieve tangible value.

Systematic support for systematic reviews: supplementing research consultations with workshops and online tools

Yulia Ulyannikova and Elaine Tam, Academic Liaison Librarians - Medical, Nursing, Dentistry, Pharmacy and Health Sciences, University of Sydney

Yulia Ulyannikova holds a Master of Information Management degree from RMIT University (2013) and a PhD in History from The University of Melbourne (2010) where she worked as a university lecturer and tutor for seven years. For a number of years she was also employed as a college tutor followed by a role of college librarian at Janet Clarke Hall, The University of Melbourne. Currently she is employed as Assistant Librarian with the Medical, Nursing, Dentistry, Pharmacy and Health Sciences cluster of the Academic Services Division at the University of Sydney Library. She is based at the Health Sciences Library and regularly provide assistance to the Academic Liaison Librarians (ALLs) across the cluster.

Elaine Tam works at University of Sydney as an Academic Liaison Librarian supporting Medicine, Dentistry, Nursing, Pharmacy and Health Sciences. She works with students, academics and researchers to achieve their learning, teaching and research goals. This includes providing information literacy skills classes, research consultations to researchers on systematic reviews, referencing management, data management and give advice on measuring research impact, publishing strategies, copyright and open access. She is currently involved in a working group that looks at best practice in providing systematic reviews services to researchers at University of Sydney.

Abstract

In recent years, the number of requests for help with systematic reviews increased dramatically. This represents a considerable workload for academic liaison librarians who find themselves in a repetitive cycle of going through the same routine of developing database searching skills with individual students several times a day. At Sydney University Library we attempted at solving this problem by implementing a number of solutions. Firstly, we created a systematic review subject guide for students and a systematic review toolkit for staff to assist with the process of conducting one on one consultations. Secondly, starting from 2016, we launched a series of half-day *Getting started with a Systematic Review* workshops for postgraduate students and junior staff. Having started as a response to a specific request from an academic who wished to boost their students' database searching skills, the workshops became an instant success and now constitute a permanent feature in the library's training schedule. The workshops start with an invited academic providing introduction to systematic reviews. Then the librarians take the participants through the step-by-step process of formulating a research question, searching both structured and unstructured databases, as well as managing search results in EndNote. The workshops are designed as interactive hands-on sessions with the participants working together on a scenario provided by librarians, questions and peer-to-peer learning is highly encouraged. The main benefit of the workshops is that it provides a structure for students to follow thus demystifying the systematic review process and reducing uncertainty and anxiety. The next steps will be to:

 create an interactive, learner-centred online module to serve as a support/revision/refresher tool alongside the workshops and

 encourage students to complete an electronic Literature Search Planning form and submit it before the research consultation to make the most of the F2F meeting with the librarian.

Systematic overflow: a matrix-like toolkit for sustainable support for Systematic and Systematic-Like Reviews

Fiona Russell, Manager, Faculty of Health Library Services, Deakin University

Fiona Russell is the Manager, Faculty of Health Library Services at Deakin University. Previous to this, she was Medical Librarian at Deakin and has also held roles at Monash University, the State Library of Victoria and the University of Melbourne.

Abstract

The complexity and popularity of Systematic and Systematic-Like Reviews has developed enormously over the past few years. Students and researchers alike wish to inject greater rigor into reviews, and as such, a greater variety of review types and demand for Library support has developed. Creative solutions have been required to maintain sustainable support.

In recent years at Deakin University Library, there has been an increase in demand for librarian support for not only Systematic Reviews, but also "Systematic-like" reviews, including rapid reviews, integrative reviews and scoping reviews.

The Library has also observed a trend towards increased numbers honours and masters students being encouraged to conduct Systematic Reviews as part of their theses, despite these individual students lacking both the resources to conduct such a review, and seeking to use reviews for a variety of purposes, often extending beyond the traditional scope of the traditional Systematic Review.

Library support for Systematic Reviews varies from institution to institution, depending largely on resources and strategic decisions. Deakin University Library's strategic approach to support for these types of research projects is to offer advice and facilitate capacity building in the students and researchers rather than becoming part of the review team.

In response to the increase in demand for support for typical narrative and systematic reviews as well as more niche review types, the Library developed a single online matrix-style support toolkit aimed at facilitating an understanding of the variety of review types and the relevant stages of each type of review.

The toolkit is targeted at experienced searchers and assumes prior understanding of essential and advanced search concepts. It uses brevity, authoritative sources, and clear signposting to guide users to the relevant parts of the guide for their particular review type: systematic, rapid or scoping. This presentation will outline the rationale for creating the guide, and the process Library staff undertook in developing it to completion and subsequent launch.

Managing Systematic Review Search Results using EndNote

Kanchana Ekanayake and Yulia Ulyannikova, Academic Liaison Librarians, University of Sydney

I hold Special Degree in Library & Information Science (2003) and Master of Social Sciences (MSSc.) Library & Information Science (2004) from University of Kelaniya, in Sri Lanka. I began my library career at the International Water Management Institute in Sri Lanka then I moved to Australia in 2004. I worked at Ayers Rock Community library, NT, Gosford City Council library, National Institute of Dramatic Art (NIDA) and Australian Wool Innovation. Currently, I am employed as an Academic Liaison Librarian with the Medical, Nursing, Dentistry, Pharmacy and Health Sciences cluster of the Academic Services Division at the Sydney University Library. I am based at Health Sciences Library and regularly provide assistance to Exercise & Sports Sciences, Physiotherapy and Health Sciences academics and students.

I hold a Master of Information Management degree from RMIT University (2013) and a PhD in History from The University of Melbourne (2010) where I worked as a university lecturer and tutor for seven years. For a number of years I was also employed as a college tutor followed by a role of college librarian at Janet Clarke Hall, The University of Melbourne. Currently I am employed as Assistant Librarian with the Medical, Nursing, Dentistry, Pharmacy and Health Sciences cluster of the Academic Services Division at the University of Sydney Library. I am based at Health Sciences Library and regularly provide assistance to the Academic Liaison Librarians (ALLs) across the cluster.

Abstract

Doing a systematic review is a daunting task for the researchers, therefore it is important to ensure that the services we offer do not increase stress or workload. Systematic review tools such as Covidence, DistillerSR, Rayyan etc. are available for researchers to assist with the screening process, however the learning curve involved in mastering new software might add more workload and increase stress levels. On the other hand, most researchers are already using software such as EndNote to export, store, and manage their references. Using EndNote to assist with the systematic review process does not require additional effort but relies on existing skills and knowledge and minimises both stress and workload.

In 2012 in Health Sciences library we piloted a ten-step guide for managing systematic review search results using EndNote:

Step 01: create group sets and groups

Step 02: direct export from a databases

Step 03: annotating the record with database details

Step 04: documenting search results

Step 05: de-duplicating results

Step 06: creating customised fields to add reviewer's comments

Step 07: sharing endnote library with your supervisors

Step 08: finding full text articles and attaching full text articles manually

Step 09: viewing and annotating pdf files

Step 10: exporting the endnote library to excel

We tested the pilot with a group of Physiotherapy HDR students and their supervisors, and the test proved very successful. User feedback helped improve the process, especially step 06 that now allows to keep reviewer's comments blinded as all the reviewers work independently with their own EndNote library. Currently we teach the ten-step process as part of the systematic review workshop for HDR students in Medical and Health disciplines and the response has been consistently positive.

Session 3: Extending our roles and getting practical

Defining Scope: More than Bibliometric Measures (filter for integrated care)

Suzanne Lewis, Library Services Manager, Central Coast Local Health District, **Raechel Damarell,** Senior Librarian for the Faculty of Medicine, Nursing, and Health Sciences, Flinders University and **Jennifer Tieman,** Associate Professor in the Discipline of Palliative and Supportive Services and Dean (Research) of the College of Nursing and Health Sciences, Flinders University

Suzanne Lewis is Library Services Manager at the Central Coast Local Health District in NSW, Australia. Suzanne is a member of the Health Libraries Australia (HLA) group of the Australian Library and Information Association (ALIA) and has served on its executive as Convenor (2010-2012) and Professional Development Portfolio lead (2014 – present). She is also a tutor and co-convenor of the Australian Evidence Based Practice Librarians' Institute, which has run an annual residential workshop for health librarians in Australia since 2011. She has been involved with the Evidence Based Library and Information Practice Journal since its inception, as an evidence summary writer, contributor, member of the Editorial Advisory Board and reviewer. She has also been a member of the International Program Committee for EBLIP8 (Brisbane), EBLIP7 (Saskatoon) and EBLIP6 (Manchester). Suzanne's professional interests include evidence based practice in both librarianship and health, and professional development for librarians.

Raechel Damarell is the Senior Librarian for the Faculty of Medicine, Nursing, and Health Sciences at Flinders University where she largely works with postgraduates and academic staff on systematic reviews and bibliometric projects. She is also a Research Librarian engaged on a range of projects with search at their core for groups such as Flinders Filters, CareSearch, and the Centre for Research Excellence in End of Life Care, based at QUT.
Her own research interests are in areas of evidence based search, the impact of suboptimal search on clinician decision making, and knowledge translation

processes. As a recent recipient of the Anne Harrison Award, she is currently working with a team to finalise a systematic review and critical appraisal of topic search filters.

*Jennifer Tieman is an Associate Professor in the Discipline of Palliative and Supportive Services and Dean (Research) of the College of Nursing and Health Sciences at Flinders University. She is Director and Chief Investigator of the CareSearch project. In this capacity she leads and manages a national knowledge resource for those providing palliative care and those affected by palliative care (*www.caresearch.com.au*). This work includes research on knowledge retrieval and knowledge dissemination and the investigation of approaches that encourage the use of evidence by health professionals and health consumers. This work has led to the development of a specialist bibliometric research group, Flinders Filters, headed by Dr Tieman.*

Introduction

The conceptualisation of integrated care is highly contextual and there is no agreed definition of its meaning, with one literature review (Armitage et al, 2009) identifying 175 definitions and concepts. The Nuffield Trust's research report, *What is integrated care?,* defined it as "an organising principle for care delivery with the aim of achieving improved patient care through better coordination of services provided".

Searching the integrated care literature is difficult. There is a lack of clear terminology to describe the concept, and the variations in indexing of publications on integrated care in the biomedical literature, also compound searching difficulties. Yet effective retrieval of literature will be critical to the further development of this field.

Objective

To describe the process of developing an idea for a validated integrated care search filter into a funded project.

Methods

Developing an idea into a project involved the following steps: articulating the idea and pitching it to key stakeholders and possible funding sources; identifying an individual or group with the necessary skills to create a validated subject search filter; defining the scope of the project; writing a project proposal and project plan (with timelines and indicative budget); securing funding; and commissioning the project.

Results

The following key stakeholders were identified and their commitment to the project was secured: the International Foundation for Integrated Care (IFIC), to provide subject expertise and host the finished search filter; Flinders Filters (Flinders University, SA) to provide bibliometric expertise and to build and test the search filter; Central Coast Local Health District (CCLHD) to provide project support and funding; and the University of Newcastle (in partnership with CCLHD and IFIC).

Conclusions

It is anticipated that by July 2017 funding will have been secured, an international project reference group set up, and Flinders Filters will have commenced bibliometric analysis and review of the integrated care literature, creation of a gold standard set of references and term identification in preparation for development and testing of the search filter.

Stretching past our roles, building and developing true partnerships

Julie Toohey, Health Discipline Librarian, Information Services, Griffith University and **Kate LeMay,** Senior Research Data Specialist, Australian National Data Services (ANDS)

Prior to Julie Toohey's current position as Health Librarian, Griffith University, she started her career working in school and public libraries before moving to the tertiary sector. Throughout her career she has completed Team Leader, Library and Learning Services Management secondments and a project based Senior Change Manager roles.

Kate LeMay began her career as a Pharmacist, then worked as a Project Manager for community pharmacy based programs to assist patients with chronic disease management. Kate now works in Canberra at the Australian National Data Service (ANDS) as a Senior Research Data Specialist, focusing on health and medical data. ANDS works with research institutions to increase their capacity in research data management and sharing.

Background/Introduction

In 2016, Kate LeMay, Australian National Data Service (ANDS) Senior Research Data Specialist, and Julie Toohey, Health Librarian, Griffith University, facilitated the 23 (research data) Things Health and Medical data community webinars. This was a step outside Julie's role description, and provided valuable development of her skills. The partnership continues to evolve in 2017, such that they organised the MenziesHIQ Symposium: Future of Data Sharing in a Changing Landscape.

Symposium objectives

Provide Griffith Health researchers with:

1. Deeper understanding as to how the linking/sharing of Health data is applicable to all healthcare professionals and researchers leading to positive impacts for our communities
2. Practical solutions for managing and publishing their Health data

Methods/Speakers

The Symposium was facilitated by Malcolm Wolski, Director eResearch Griffith University. Speakers included:

- Kate LeMay, discussed ethics and legal issues around sharing sensitive data, the data sharing landscape, data licensing and DOIs
- Professor Charles Lawson, Griffith Law School, introduced new regulatory test data protections (e.g. clinical trial data submitted to governments, patenting methods of analysing data)
- Linda O'Brien, Pro Vice Chancellor (Information Services), Griffith University, discussed Open Science, Open Access and Open Data;
- Andrew Bowness, Support Services eResearch Services, Griffith University, introduced innovative data technologies, data visualisations and analytics options; and
- Dr Jeff Christiansen, QCIF Health & Life Sciences Data Program Manager, spoke about the med.data.edu.au project from a Qld perspective.

Results

Feedback from audience members including Health Group Researchers and regional hospital staff from SE Qld hospital facilities will be presented.

Conclusion

In supporting our clients' research needs, Health Librarians sometimes need to step outside comfort zones, broadening their knowledge, working with new partners, and developing in-depth knowledge of how data and data-flows work within healthcare and academic environments. Kate and Julie are a good example of developing a partnership between Health Librarians and external stakeholders to the benefit of the research community.

Differences in MeSH mapping between Ovid Medline and Ebsco Medline

Daniel McDonald, Librarian, Darling Downs Hospital and Health Service

Daniel McDonald has worked for the library of the Darling Downs Hospital and Health Service since 2006. He is the recipient of the Health Libraries Australia Innovation Award for a project that collected and distributed podcasts, and a recipient of a DDHHS employee award for a project that coordinates and delivers public health lectures. Daniel has also presented to the Australasian Pain Society Scientific Meeting and the National Nurse Education Conference about clinical librarianship.

Background: In searching Medline, whether for systematic reviews or general clinical queries, effective use of the controlled vocabulary MeSH is often an important factor in precision and recall. According to observations made by Gault, Schultz & Davies[1] in 2002:

'Searchers are often unaware of the MeSH terms assigned to specific concepts and rely on the search system to map entered terms to the correct headings. If exact MeSH terms are not found, online search interfaces often provide listings of subject headings from which users may choose an appropriate term. Currently, a variety of online vendors provide access to the MEDLINE database,

and many offer the ability to search MeSH, however the process used to search MeSH is not identical among interfaces. The differences that exist in each interface may impact the effectiveness of searching using MeSH mapping features… information professionals could not assume symmetrical retrieval from different online search systems when using the MeSH controlled vocabulary feature. The ability of each online system to correctly map users' natural language terms to MeSH headings is crucial in achieving search precision and recall.'

Objective: This study will directly compare the performance of Ovid Medline's "Map Term to Subject Heading" function and Ebsco Medline's "Suggest Subject Terms" function in translating natural language keywords to relevant MeSH vocabulary.

Methods: 1000 natural language keywords (and variants) will be drawn from the DDHHS Library's literature search request archive. These terms will be tested in both search interfaces and corresponding MeSH-mapping algorithms. Results will be recorded based on full, partial, or no success in retrieving relevant MeSH terms, as judged by the librarian-investigator.

Results: All 1000 terms have not been tested yet (though will be by July 13, if abstract is accepted). However preliminary results do indicate definite discrepancies in MeSH-mapping performance between Ovid Medline and Ebsco Medline.

Conclusions: Not all Medline search interfaces are alike. Differences in MeSH-mapping performance may not be readily apparent, but are real and will impact on the precision and recall of searches. Novice and expert searchers, along with those responsible for resource selection, need to be aware of this.

Reference: 1. Gault, L. V., M. Shultz and K. J. Davies (2002). "Variations in Medical Subject Headings (MeSH) mapping: from the natural language of patron terms to the controlled vocabulary of mapped lists." Journal of the Medical Library Association: JMLA **90**(2): 173-180

DAY 2   WORKSHOPS

Workshop 1

Using text-mining tools for search filter development and designing search strategies

James Taylor, Team Manager, Customer Success, Asia Pacific Health Learning, Research & Practice, Wolters Kluwer

James has worked for Wolters Kluwer for 8 years, and is currently managing a customer success team of four implementation and training consultants located in Sydney, Tokyo, New Delhi and Beijing. James supports Wolters Kluwer customers in APAC by providing custom training and implementation services. Prior to Wolters Kluwer James was employed as a library technician at the University of Sydney libraries.

The development of search filters and the peer review of search strategies has gone through numerous phases closely resembling the transition of clinical decision making from the traditional subjective approach through to the current insistence on a rigorous evaluation of evidence as forming the basis for clinical practice. The Clinical Queries filters developed by McMaster University, while widely used and respected today, are representative of the earlier generations of filter development in that the initial harvesting of search terms for evaluation in the filter development was done by surveying terms commonly used by librarians and researchers. Today the demands for precision and comprehensive retrieval in an ever-growing and evolving information environment require a more systematic and objective approach for identifying and combining search terms, an approach that can be supported through the use of text-mining tools.

After reviewing the background and current trends in systematic search filter development and search strategy design, this session will explore freely available text-mining tools, including a hands-on session using the Ovid Reminer to develop a search strategy and evaluate that strategies' sensitivity using a gold standard. A demonstration of implementing the filters in search links and embedding in filter widgets will be provided. In addition, the session attendants will use the Ovid Reminer tool to review and suggest improvements to example searches, as an experiment in peer review of search strategies.

The objective of this session will be for the attendants to have a working understanding of freely available text mining tools, and to be able to use those tools in the development of search filters and reviewing search strategies.

Workshop 2

Part 1

PubMed Searching for Systematic Reviews – Advanced Concepts

Cheryl Hamill, Head of Department, Library & Information Service for staff in EMHS and SMHS, South Metropolitan Health Service, Perth

Cheryl Hamill has almost 40 years' experience in health libraries in Australia. She has had a long standing interest in search skills training in the core databases and was awarded an Anne Harrison Award in 2014 to develop train the trainer modules in PubMed. In 2013 she was awarded an ALIA Fellowship. Cheryl manages Library and Information Services for two area health services in Western Australia - the East and South Metropolitan Health Services. The Library service has bases at Fiona Stanley Hospital and Royal Perth Hospitals and provides services to these and 6 other hospitals across the areas.

Systematic review and search standards – what's expected and how to wrangle one core database (PubMed) to deliver best practice search support for systematic review teams.

Part 2

Recent Changes to PubMed

Couldn't make it to MLA 2017? NLM updates MLA at every annual conference on the latest changes to PubMed and other NLM sources. This presentation will borrow liberally from that work to provide an update.

Workshop 3

Searching for grey literature

Jessica Tyndall, Medical Librarian, Flinders University

Jess is a medical librarian and grey literature (GL) advocate who succumbed to the allure and challenge of GL about 8 years ago and has since found it impossible to stay away!

Last year she completed her MClinSci (Evidence-based Healthcare) with research centred on GL and outcomes, and she continues to write, present, lecture and publish in relation to GL, in a number of different forums.

AACODS, her 2010 format-agnostic critical appraisal checklist for GL, has had international recognition. It has been used in a number of published systematic reviews and endorsed by a range of organisations including NICE (UK) and INESSS (Canada), who in 2016 asked for permission to translate it into French.

As the majority of GL is found outside traditional databases it can be challenging to identify and to find, requiring right brain logic and left brain creativity. With all that in mind, Jess still promises a workshop which will not be heavy. It will be low-key, mildly interactive and informative, looking at some of the key trends around GL, and encouraging specific participant interests. And most importantly, it will finish in time for lunch!

Workshop 4

Top 10 Medical and Health Research Data Things

Kate Le May, Senior Research Data Specialist, Australian National Data Service (ANDs)

Kate LeMay began her career as a Pharmacist, then worked as a Project Manager for community pharmacy based programs to assist patients with chronic disease management. Kate now works in Canberra at the Australian National Data Service (ANDS) as a Senior Research Data Specialist, focusing on health and medical data. ANDS works with research institutions to increase their capacity in research data management and sharing.

The workshop will give a taste of ANDS' ten medical and health research data Things. We will have an introduction to the program and an opportunity to work through some of the activities. We will also discuss ways in which the program can be implemented in various workp