

# Library Update

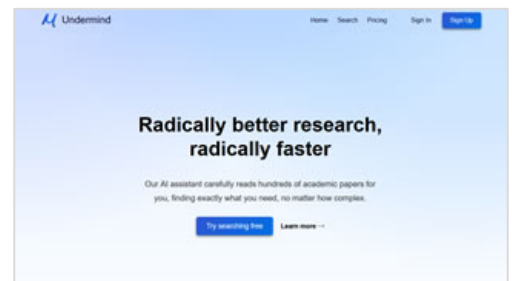
No.2, 3<sup>rd</sup> March, 2025

## AI tools for literature searching

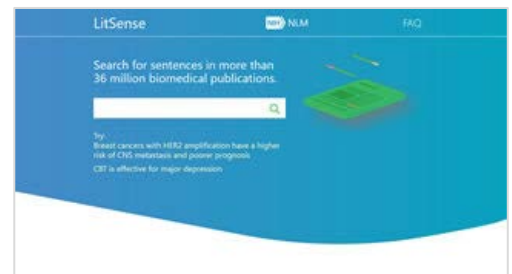
AI-powered research tools help you search, analyze, and interpret academic literature more efficiently. They can find relevant papers, extract key insights, and consolidate information across studies. Free versions have limitations; paid versions open up many more features.

While specialised research tools significantly accelerate literature review processes, they work best when complementing human judgment rather than replacing it. Critical evaluation of sources is still necessary to ensure accuracy and reliability.

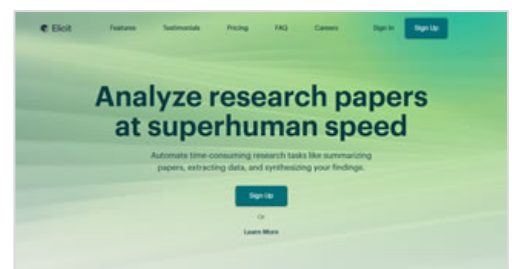
[Undermind](#) is an AI research assistant that guides literature searches through an interactive question-refinement process. It formulates research questions, interprets searches, and establishes relevance criteria to identify optimal papers. It continually refines searches based on previously discovered content, and analyzes abstracts and metadata to find relevant academic papers. It also offers thematic summaries and citation network visualizations. The platform promotes discovery by reflecting on search results to identify key information that leads to additional relevant publications.



[LitSense](#) is an NCBI web tool that enables sentence-level searches across 36+ million biomedical publications. It retrieves specific sentences from PubMed and PubMed Central using both keyword matching and neural embedding techniques to find relevant content even without your exact keywords. The interface offers filters by article section or publication date, with highlighted biomedical entities (genes, proteins) for quick identification. This eliminates the need to review entire articles, making it effective for identifying seed papers.



[Elicit](#) streamlines literature reviews by searching 125 million academic papers using natural language queries and finding relevant results even without exact keyword matches. It extracts and organises key information (participants, methods, outcomes) into structured tables for easy analysis. The tool excels in empirical research domains, particularly biomedicine, where experiments yield concrete results. The free version supports research question formulation, paper selection, and generates summaries of chosen papers.



[Semantic Scholar](#) is an AI-powered search engine for academic papers that indexes over 200 million papers across various disciplines. It uses natural language processing to identify key information from papers, including methods, findings, and citations. Search by keywords, authors, or topics, and the tool provides filters to narrow results. It shows citation networks, identifies influential papers, and extracts key figures and tables from PDFs. It also provides personalised recommendations so you can create libraries of relevant papers.



# Library Update

## Library Training: March sessions

Improve your literature searching skills at the Library

[See the Library website](#) for full session details.

If you can't make it to the scheduled sessions, [contact us](#) to arrange individual or group sessions at a time that suits you. Charges apply for EndNote sessions only; all other Library training is free.

Nursing & Allied Health ..... Wed 12 Mar, 2:00 pm  
Cochrane Library ..... Mon 3 Mar, 2:00 pm  
EndNote Tutorial 1 ..... Tue 11 Mar, 10:00 am  
EndNote Tutorial 2 ..... Tue 18 Mar, 10:00 am  
Introduction to the Library ..... Tue 25 Mar, 12:00 pm  
Ovid Medline ..... Tue 11 Mar, 12:00 pm

## Search Tip: Ovid stop words

Words of little intrinsic meaning that occur too frequently to be useful in searching text are known as 'stop' words.

In Ovid databases, you cannot search for stop words by themselves, but they are searchable in a phrase.

For example:

**scope of practice.ti.** (871 results)

This will return results containing: scope of practice; scope for practice; scope and practice; and scope in practice.

Adding truncation (\*) to the stop word will make the search more specific:

**scope of\* practice.ti.** (855 results)

This will only return results with the exact phrase scope of practice.

Examples of stop words are: about; an; for; from; this; to; what; with. See the [full list of Ovid stop words](#).

See [this](#) and [all Search Tips](#) on the Library website.

[Contact us](#) for help with your search.



## Wellbeing and awareness events

March	Endometriosis Awareness Month
March 3	Open Education Week
March 3	World Birth Defects Day
March 3	World Hearing Day
March 8	International Women's Day
March 13	Coeliac Awareness Week
March 13	World Kidney Day
March 14	World Sleep Day
March 16	Multiple Birth Awareness Week
March 17	Harmony Week
March 19	Australian Healthcare Week
March 20	National Close the Gap Day
March 21	National Ride2School Day
March 21	World Down Syndrome Day
March 22	Earth Hour
March 24	World TB Day
March 26	Purple Day (Epilepsy awareness)

## Ovid PsycInfo: APA thesaurus has been updated

Psycinfo via Ovid was updated with the latest APA thesaurus on 11 February, 2025.

Updates include 41 new postable, 29 new nonpostable or cross-referenced terms and 227 revised scope notes are now included in the fields of *Assessment and Testing*, *Health and Well Being*, *Parental Health and Stress*, *Mental Health Care* and *Artificial Intelligence And Digital Technology*.

View the [complete list](#) (PDF) of new and updated terms.

### Implications for your Ovid PsycInfo saved searches

- ▶ Check all your personal saved searches on Ovid PsycInfo; add new terms and replace edited/deleted terms with the new terminology.
- ▶ Check the Scope Note for each APA thesaurus term for the definition, date of entry and historical note.

[Contact us](#) for help adjusting your saved searches.

# Library Update

## Key reports shaping research, healthcare, and public services

### Australian Research Data Commons Year in Review 2024



Read the [Year in Review 2024](#) to learn more about the ARDC's initiatives to provide Australian researchers with a competitive advantage through data. The review showcases the diverse applications of our national digital research infrastructure across multiple disciplines. It features case studies on

improving Australia's biosecurity response, analysing responses to autism disclosure on social media, accelerating Great Barrier Reef research, and more.

It also covers key initiatives such as the *People, Planet, and HASS and Indigenous Research Data Commons*, the *Food Security Data Challenges*, the *ARDC Nectar Research Cloud*, and the *National Information Infrastructure*.

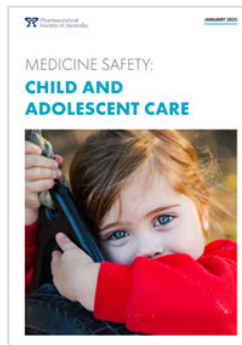
### Commonwealth Closing the Gap 2024 Annual Report and 2025 Implementation Plan



The *2024 Annual Report* provides insight into the progress the Commonwealth Government has made to contribute to closing the gap in 2024, and the crucial work to be done in the next year to improve outcomes for First Nations people. The Report includes spotlights on outstanding programs, services

and initiatives. The *2025 Implementation Plan* is forward looking, outlining the Commonwealth's strategic priorities for Closing the Gap over the next year. [Read now.](#)

### Medicine Safety: Child and adolescent care report



The seventh report in the Pharmaceutical Society of Australia's medicine safety series, revealing the extent and nature of problems with medicine safety in Australia and driving change in the quality use of medicines. The report highlights the large number of emergency visits and hospital admissions due

to medicine-related issues, costing \$130 million annually, with many cases being preventable. As part of the report, PSA also makes a series of actionable recommendations to address current medicine safety challenges across care settings ranging from a nationally coordinated monitoring system and mandatory dose checks, to increased availability of pharmacists on children's wards. [Read now.](#)

### Report on Government Services 2025: E Health



This section of the RoGS reports on the performance of governments in providing public hospitals, with a focus on acute care services. Now in its 30th year, the Report on Government Services provides data directly from all Australian governments on the equity, efficiency and effectiveness of the services

they provide. This year, new data is available to assess workforce sustainability across sectors, including public hospitals. Read the [interactive report for public hospitals](#) online, or download the [full E Health report](#) as a PDF.

## Top 50 most-cited campus publications: updated

[This list](#) is updated every three to four months; significant changes are unlikely to occur more frequently.

We compile the list using *Scopus*, an abstract and citation database of peer-reviewed literature.



# Library Update

## Ovid Embase reload

Embase via Ovid was updated on 14 January, 2025, and now reflects the latest edition of Emtree (Embase's thesaurus). Emtree is updated three times a year.

Overall, Emtree has grown by 553 preferred terms (57 drug terms and 496 non-drug terms) bringing the total of preferred terms to 100,286. See [all changes in the thesaurus](#) (PDF).

### Some interesting new non-drug headings

Excoriation (injury)	Hydrosurgery	Survivor guilt
Fluoride poisoning	Medical racism	Sweetened soft drink
Foreign accent syndrome	Public speaking anxiety	Thickened liquid diet
Hypochondrial pain	Spider envenomation	Tumor margin

### Implications for Ovid Embase saved searches

- ▶ Check all your personal saved searches on Ovid Embase to apply changes for the latest Emtree to ensure the terms are optimised to your needs.
- ▶ Check the tree carefully for the *[Used for]* terms and date of entry.

[Contact us](#) for help adjusting your saved searches for Ovid Embase.

## Australian Healthcare Week 2025

19-20 March, ICC Sydney

This is the biggest gathering of healthcare professionals from across the Australian health ecosystem.

Join thousands of industry peers at this event where the entire healthcare sector converges to share knowledge, network, and shape the future of healthcare.

[Registrations open now at the website.](#)



## Five frequently asked questions at the Library

### Can you get me this article I want?

We can, but have you tried searching our [journals database](#) first? The article you want may be available for download immediately.

If you don't find what you want there, then you can submit a [Document Delivery](#) request. There is a small charge per item, and we'll have your article within a couple of days (or sometimes on the same day).

### How do I access databases or online journals from off-site?

Sign up for an [OpenAthens remote access](#) account. Use your institutional email address when registering.

### I'm trying to access a journal using OpenAthens; why won't it give me access?

You can only access journals that the Library subscribes to, not to every journal that offers an OpenAthens sign-in.



### Do we subscribe to UpToDate?

Funding to the Library for our subscription was discontinued; we no longer have access to *UpToDate*. See [databases](#) for access to similar content, or [contact us](#) for search help. Also see our Fact Sheet: [Finding evidence-based clinical information](#).

### My OpenAthens account has expired and it won't let me renew, can you help?

Yes! [Contact us](#).

## Health and Science News

**Are noise-cancelling headphones to blame for young people's hearing problems?:** By blocking everyday sounds such as cars beeping, there is a possibility the brain can "forget" to filter out the noise. [\[BBC\]](#)



- **For 17 years, Swedish scientists were sneaking Bob Dylan song titles into their research papers as part of a bet:** The goal? See who can use as many Bob Dylan songs in their research paper titles before retirement. [\[American Songwriter\]](#)
- **COVID no longer dominates the headlines, but its impacts upon the health workforce remain profound:** A new study highlights how the pandemic has affected the education and training of one important part of the workforce: medical radiation science students. [\[Croakey\]](#)
- **How are researchers using AI? Survey reveals pros and cons for science:** Researchers are worried about how safe it is to use these tools: 81% of respondents said they had concerns about AI's accuracy, potential biases, privacy risks and the lack of transparency in how these tools are trained. [\[Nature\]](#)
- **How should I deal with a rude colleague?:** Confronting poor behaviour from someone you work with can seem difficult but there are ways to respond. [\[BMJ\]](#)
- **More than 85,000 infants and toddlers diagnosed with RSV in 2024 ahead of national vaccine rollout:** In 2024, Australia recorded its highest number of cases since the virus became notifiable in 2021. [\[ABC\]](#)
- **Urgent action needed to tackle 'silent health crisis' of rising temperatures:** The AMA is advocating for collaborative action on climate change and the development of a national heat and health plan. [\[AMA\]](#)
- **Less screen time and more exercise boosts kids' mental health:** Researchers say reducing screen time and increasing physical activity could help children remain mentally healthy into adolescence. [\[Scimex\]](#)

- **What are the best AI tools for research?** **Nature's guide:** There are many large language models to choose from; some excel at coding, whereas others are better for synthesizing information. [\[Nature\]](#)
- **Woman in cancer remission for record 19 years after [childhood] CAR-T immune treatment:** CAR-T-cell therapy treated a girl with a rare childhood cancer, raising hopes for future recipients of the approach. [\[Nature\]](#)
- **AI is already making mush of our brains:** We're already sleepwalking down the path that ends in Matrix-style AI overlords, with new research finding that generative AI can inhibit critical engagement with work and may lead to diminished independent problem-solving skills long-term. [\[Medical Republic\]](#)
- **The exercise program transforming the lives of children with autism:** Only 14 per cent of children with autism get enough exercise. This is due to various factors, including that many children's sport and exercise programs are designed with neurotypical children in mind. [\[Scimex\]](#)

**Will AI jeopardize science photography? There's still time to create an ethical code of conduct:** Generative artificial-intelligence illustrations can be helpful, but fall short as scientific records. [\[Nature\]](#)



- **National evidence-based guidelines for the care of trans and gender-diverse people under 18:** The Australian Government has requested the NHMRC to undertake a comprehensive review and to develop new national guidelines. [\[NHMRC\]](#)
- **Rare genetic disorder treated in womb for the first time:** The child, who is now almost three years old, shows no signs of the often fatal motor neuron disease. [\[Nature\]](#)
- **Doctors in London cure blindness in children with rare condition:** Four children can now see shapes, find toys, recognise their parents' faces and some can read and write. [\[The Guardian\]](#)

Options to access full text articles: follow the DOI link; search for the PMID at [PubMed](#); or search for the journal title in our [database](#). An [OpenAthens account](#) is required for remote access. Make a [Document Delivery request](#) for items we don't have. [Get LibKey for one-click access](#).

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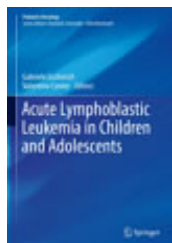
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## BOOKS

[online]

[Acute lymphoblastic leukemia in children and adolescents](#) / edited by Gabriele Escherich and Valentino Conter. Springer, 2024



This book is a comprehensive and up-to-date compendium on diagnosis, treatment and late effects of Acute Lymphoblastic Leukemia (ALL) in children, adolescents and young adults.

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The authors are internationally recognized experts and offer up-to-date insights on etiology, biology, and treatment. This book will prove indispensable for those treating or researching into this disease.

[online]

[Artificial intelligence and the perspective of autonomous surgery](#) / edited by Konrad Karcz, Zbigniew Nawrat and Andrew A. Gumbs. Springer, 2024



This book has two heroes - the surgeon and the robot. Currently, robots still require human input in the decision-making loop, whether this will always be the case is an issue that still needs to be debated, analyzed and studied, preferably by computer scientists AND surgeons.

Surgeons and their patients are increasingly opting for less invasive surgeries. However, among their many advantages, there is an important issue: less invasiveness always means limited access to direct information from the operating field (3D image, local palpation sensations, all information about the "whole" patient and feedback from the accompanying team during teleoperation).

To increase precision, we are increasingly using surgical robots and mechatronic instruments. The less invasive the surgery and the greater the precision of robotic micro-instruments, the greater the role of artificial intelligence methods, especially machine learning, which supports the surgeon in making decisions, planning and performing the procedure.

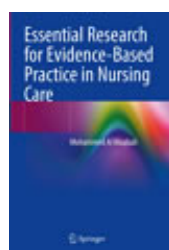
The development of artificial intelligence and further evidence of its effectiveness in various application fields mean that the work of a doctor is changing today. In the

book, we address the issue of AI surgery, asking whether this means that an AI surgeon will be created. A key question about autonomous surgical robots will come up regularly: how far can we go with their autonomy while maintaining safe and effective procedures?

The book provides useful information on both early successes, failures, and expectations related to the development of new technologies in surgery. It is a guide written by various experts, intended for a wide audience: from medical development planners, through students, to doctors and decision-makers.

[online]

[Essential research for evidence-based practice in nursing care](#) / by Mohammed Al Maqballi. Springer, 2024



This textbook delves into nursing research's fundamental concepts, methodologies, and applications, equipping novice and experienced researchers with the knowledge and skills necessary to conduct rigorous and impactful studies. Nursing research is a systematic investigation that aims to generate new knowledge, enhance understanding, and contribute to evidence-based nursing practice. It provides a scientific foundation for decision-making, fosters innovation, and promotes delivering high-quality, patient-centered care.

This textbook provides a comprehensive overview of research and evidence-based practice in nursing, catering to both nurses and nursing students. It describes the principles, methods, and processes involved in conducting research, critically appraising literature, and implementing evidence-based practice in nursing care.

The main topics addressed include research design and methodology, critical appraisal of research literature, evidence-based practice concepts and processes, translating evidence into practice, disseminating research, and future directions in nursing research.

It discusses topics such as telehealth, big data analytics, and artificial intelligence in the context of evidence-based practice. It emphasises real-life case studies and scenarios. Offering practical examples, readers can visualize the application of research findings in different healthcare settings, making the content more engaging and relatable.

This approach bridges the gap between theory and practice, promoting a deeper understanding of how evidence-based nursing care positively impacts patient wellbeing.

# Library Update

[online]

[Genital gender affirming surgery: an illustrated guide and video atlas](#) / edited by Maurice Garcia. Springer, 2024



This book is structured to enhance the techniques of reconstructive surgeons of multiple different specialties who seek to develop a program in Genital Gender Affirming Surgery (gGAS).

It also furthers the understanding and development of quality of life issues such as reproductive and sexual health. At the present time, there is no consensus regarding correct surgical technique for these procedures.

Different approaches are made by different surgeons with differing specialties of surgery. This book fills a gap in identifying experienced surgeons and clinicians who share their knowledge of comparative anatomy and surgical technique with surgeons of other disciplines.

The unique nature of this text will allow the surgeon to understand each step of these complex genital operations in both schematic detail and in real time.

Additionally, this text will focus on up-to-date important factors in allied care to surgery. This will include preoperative, post-operative care, and other very important quality of life issues such as fertility preservation, sexuality, and psychological management.

[online]

[How to perform a systematic literature review: a guide for health and social care researchers, practitioners and students](#) / by Edward Purssell and Niall McCrae. 2<sup>nd</sup> ed. Springer, 2024



This new edition is an authoritative and accessible textbook to an activity that is often found overwhelming. The systematic review is a rigorous method of collating and synthesizing evidence from multiple studies, producing a whole greater than the sum of parts.

The authors steer readers on a logical path through the process, taking account of the different needs of researchers, students and practitioners in health and social care.

Practical guidance is provided on the fundamentals of systematic reviewing and also on advanced techniques such as meta-analysis. Examples are given throughout, with a succinct glossary to support the text.

This new edition updates the first edition by considering a range of new and emerging issues in the systematic review process.

In particular:

- The need for evidence to be systematically appraised in a timely manner, particularly during public health emergencies and when urgent patient care issues are being considered.
- The balance between speed and comprehensiveness.
- New and developing areas of interest, such as living reviews and rapid reviews, both of which increased during Covid-19.
- Advances in methodologies, and in particular meta-analysis methods.
- The introduction of AI and other automated processes of data management.

This up-to-date, accessible textbook will satisfy the needs of students, practitioners and educators in the sphere of health and social care.

The authors advise on some freely available or inexpensive open source/access resources (such as PubMed, R and Zotero) to help students to perform a systemic review and to see how this informs the guideline and decision making process.

[online]

[Interdisciplinary pediatric palliative care](#) / by Nazila Javadi-Pashaki ... [et al]. Springer, 2024



Palliative care is one of the main rights of children with life-limiting diseases and their families. Despite this importance, many of these children and their families around the world are deprived of this service and do not

receive these services.

Among the reasons for not providing palliative care in many countries of the world according to the literature, we can mention the lack of knowledge of the health care team about the principles of palliative care and the lack of necessary infrastructure.

This book is written with the aim of improving the knowledge and empowerment of the treatment team in the field of the basics of supportive and palliative care for children, and by increasing their knowledge, it can help in providing these services.

# Library Update

[online]

[The Organizational impact of patient engagement: enhancing the healthcare journey](#) /by Francesca Sanguineti. Springer, 2024



This book examines the transformative power of patient engagement in revolutionizing healthcare organizational efficiency. It expresses a need for a more patient-centered approach in healthcare delivery to improve patient outcomes and organizational workflows. Using Fondazione IRCCS Istituto Neurologico Nazionale Mondino (Italy) as a case study, the author offers a framework for improving patient interactions from the initial point of contact, namely front office operations, and proposes strategies for healthcare organizations across the globe based on best practices and lessons learned while also emphasizing the importance of continuous adaptation and improvement.

Grounded in the latest academic research, this book provides students, practitioners, professionals, and scholars in healthcare administration and management with a theoretical foundation for patient engagement with practical applications to lead and innovate in the modern healthcare management system.

[online]

[Pediatric cochlear implantation: learning and the brain](#) / Nancy M. Young and Karen Iler Kirk. 2<sup>nd</sup> ed. Springer, 2024



This second edition text will provide updated information to professionals and students in fields relevant to cochlear implantation. The main objective of this book is to provide the latest information about pediatric candidacy evaluation, medical and vestibular evaluation, surgery, language and literacy outcomes, habilitation, spatial hearing, influence of family dynamics and educational needs.

This text also expands upon newer indications including unilateral and asymmetric hearing loss, management of children with residual hearing, and management of children from families whose primary language is Spanish.

Additional important new topics discussed include the role of interprofessional training to better serve children, the Australian hearing health care model to achieve early implantation and addressing global barriers to pediatric implantation. *Pediatric Cochlear Implantation* is ideal for both trainees and practicing otolaryngologists, otologists/neurotologists, audiologists, speech language pathologists, psychologists and educators who work with deaf and hard of hearing children.

[online]

[Pediatric endocrinology: a practical clinical guide](#) / edited by Sally Radovick and Madhusmita Misra. 4<sup>th</sup> ed. Springer, 2024



This revised textbook presents the current diagnosis and management of pediatric endocrine diseases and disorders as seen by practicing endocrinologists and primary care physicians. Seven thematic sections present the latest evidence for the management of growth, hypothalamic, pituitary, adrenal, thyroid, calcium and bone, and reproductive disorders, as well as metabolic syndromes and endocrine emergencies. This fourth edition includes new topics such as conditions of overgrowth, low bone density and its management, endocrine issues related to sexual identity, mineralocorticoid disorders and endocrine hypertension, and endocrine emergencies.

All chapters have been expanded to discuss recent advances in the field, and each chapter contains key points, an introductory discussion of the problem, a review of the clinical features that characterize it, the criteria needed to establish a diagnosis, and a comprehensive therapy section delineating the risks and benefits of the best therapeutic options available. Completing each chapter are concluding sections presenting relevant case material and multiple-choice review questions for students, residents and fellows.

[online]

[Psychosocial considerations in pediatric kidney conditions: guidance for collaborative practice](#) / edited by Anne E. Dawson, Kaushalendra Amatya and Victoria F. Norwood. Springer, 2024



This book explores the psychosocial impacts of the kidney disease process and treatments on pediatric patients, including child development, schooling, coping, and resilience. Chronic illnesses and invasive treatments can be particularly impactful on children's development and identity formation, and a multidisciplinary treatment model that takes psychosocial considerations into account is imperative for patients' overall wellbeing.

The book covers both specific disease-related concerns, including dialysis, transplantation, and nutrition, and broader issues such as collaborating with schools, supporting families, advocacy, and the transition to adult healthcare. Written by experts in a rapidly developing area, this book is an excellent resource for all people impacted by and involved in caring for pediatric kidney diseases including practicing nephrologists and nephrologists in training, as well as psychosocial providers serving nephrology patients, and even families and patients themselves.