

Library Update

No.7, 5th August, 2024

MeSH on Demand tool: an easy way to identify relevant MeSH terms

[MeSH on Demand](#) is a tool that identifies Medical Subject Headings (MeSH) vocabulary in any text that you submit (such as an abstract). It is easy to use without any prior knowledge of the MeSH vocabulary and without any downloads.



It uses the US National Library of Medicine (NLM) Medical Text Indexer (MTI) to provide a list of suggested MeSH vocabulary matching terms in the text submitted. This can help jumpstart finding MeSH terms in your subject area.

MeSH on Demand also provides a list of PubMed citations related to the text submitted. It allows the user to initiate a PubMed search based on the identified MeSH vocabulary. There is also a link provided from each identified MeSH vocabulary term to the MeSH Browser record.

Note the disclaimer that suggested MeSH vocabulary are machine-generated by MTI and do not reflect any human review, and that MTI may recommend MeSH Terms not explicitly found in the text.

AIHW: Australia's health 2024

[Australia's health 2024](#) is the AIHW's 19th biennial health report. It is a mix of short statistical summaries and long-form articles exploring topical health issues. Australia's health also serves as a 'report card' on the health of Australians by looking at how we are faring as a nation.

Australia's health 2024 consists of 3 products:

- [Australia's health 2024: in brief](#). This report provides a summary of the state of health in Australia today.
- [Australia's health 2024: data insights](#). This report is a collection of 11 in-depth web articles on selected health topics, with a focus on the importance of a strong evidence base for supporting the health of Australians.
- [Australia's health: topic summaries](#). This is a collection of over 60 web pages that present key information and statistics on the health of Australians, the health system, and factors that can influence our health (some are updated when new data are available).



Library Update

Search Tip: PubMed wildcards and truncation

PubMed search syntax now supports expanded use of the asterisk (*) wildcard character

Previously, a wildcard could only be used for truncation at the end of a term or phrase to search for alternate endings. With this update, wildcards can be used in the middle of a term or phrase, and multiple wildcards can be used in the same term or phrase.

Wildcard searching can be particularly useful to capture variations of a phrase, since phrase searches turn off PubMed's Automatic Term Mapping and do not include alternate spellings or singular/plural forms.

With this update:

- Wildcards can be used in the middle of a term: colo*r
- Terms can include multiple wildcards: organi*ation*
- These changes are also available for phrase searches: "tumo*r associated macrophage*"

Get more information about how the new truncation works from our updated [Fact Sheet no.14: PubMed](#) or from the official [PubMed User Guide](#).

Library Training: coming sessions

Improve your literature searching skills at the Library

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.

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

Nursing & Allied Health	Thu 8 Aug, 10:00 am
Cochrane Library	Thu 8 Aug, 12:00 pm
EndNote Tutorial 1	Wed 4 Sep, 2:30 pm
EndNote Tutorial 2	Thu 8 Aug, 2:30 pm
EndNote Demonstration.....	Wed 21 Aug, 3:00 pm
Finding the Evidence.....	Mon 12 Aug, 10:00 am
Introduction to the Library	Thu 22 Aug, 9:30 am
Ovid Medline	Tue 20 Aug, 11:00 am
PubMed	Wed 28 Aug, 10:00 am

Wellbeing and appreciation events

August	Family History Month
August 1	World Breastfeeding Week
August 2	Jeans for Genes
August 4	National Aboriginal and Torres Strait Islander Children's Day
August 5	Dental Health Week
August 5	Keep Australia Beautiful Week
August 5	National Stroke Week
August 9	International Day of the World's Indigenous Peoples
August 9	Red Nose Day
August 10	National Science Week
August 12	Healthy Bones Action Week
August 12	International Youth Day
August 12	The National Day of Action Against Bullying and Violence
August 17	Children's Book Week
August 19	Brain Injury Awareness Week
August 22	Daffodil Day
August 25	Speech Pathology Week
August 30	Wear it Purple Day
September	Childhood Cancer Awareness Month
September 2	Wound Care Awareness Week



National Science Week 2024

In-person and online events, virtual tours, DIY science and more, all across Australia, from 10 - 18 August

Search for events by postcode, by topic, or see the full list of [Victorian events](#).

You can celebrate Science Week from your couch by buying one of the [book packs](#), or really get involved by [running your own event](#) or booking an [experience](#).

Library Update

Journal reading apps

Browzine

[BrowZine](#) keeps you up to date with the latest issues of all your favourite journals. It is fully integrated with the Library's journal database, which ensures you see only those titles where access is available.



When combined with the browser extension [LibKey Nomad](#) you can get one-click access to Library-subscribed online journal content.

Read by QxMD

[Read by QxMD](#) helps you keep up with new research, topics of interest in your chosen specialty, and the latest articles from your favourite journals.



The app provides a simple interface that provides quick access to the medical literature by connecting you to RCH Library-subscribed content on the go.

Australian Health and Medical Research Workforce Survey

The Department of Health and Aged Care is conducting a national audit to understand the demographic features, work environment, challenges, and motivations of health and medical researchers across Australia.



The findings will help inform the development of the National Health and Medical Research Strategy, and support future policy planning on matters that impact health and medical researchers in Australia.

The Department want to hear from you if you have at some point worked in the health and medical research space. You are invited to share the survey link with colleagues.

[Go to the survey](#). Closes Friday 9 August, 2024.

Featured podcast: The Life Scientific

[The Life Scientific](#) podcast is a celebration of curiosity, perseverance, and the quest for knowledge that drives scientists around the world.

Engaging in insightful conversations with leading scientists and researchers, each episode examines the life and work of a different scientist, offering listeners a deep dive into their motivations, discoveries, and personal journeys.

Guests share the challenges they've faced, the pivotal moments in their careers, and the excitement of scientific discovery.

Through this focus on the human side of science, listeners gain a unique perspective on the personalities behind groundbreaking research, as well as the societal impact of their findings.

Recent topics include:

- [Eating disorders](#)
- [The connected brain](#)
- [Using science to solve crime](#)
- [AI and sentient robots](#)
- [Data in healthcare](#)
- [The biotech revolution in cancer therapies](#)
- [Unravelling epigenetics](#)
- [Diversity and equality in science](#)



Health and Science News

Power-hungry AI is driving a surge in tech giant carbon emissions. Nobody knows what to do about it: A single query to an AI-powered chatbot can use up to ten times as much energy as an old-fashioned Google search. Google's emissions were almost 50% higher in 2023 than in 2019. [[The Conversation](#)]



- **Kids born during COVID-19 lockdowns had lower rates of wheezing:** Kids had a 44% lower risk of wheezing and used less respiratory medicines than those born before the pandemic. [[Scimex](#)]
- **Body camera trial for hospital security as attacks soar:** The year-long trial is still being planned and no start date has been set. [[Health Times](#)]
- **FLiRT was dominating COVID-19 cases, now we're onto the FLuQE subvariants:** While many ingredients in the variant soup are similar, there is an additional mutation experts say makes it more contagious. [[ABC](#)]
- **Physician associates: BMA launches legal action against GMC:** "It takes 10 years to fully train a GP. In contrast, two years for a PA. No one would board a plane flown by a pilot with 20% training so why push underqualified MAPs onto NHS patients?". [[BMJ](#)]
- **Autism could be diagnosed with stool sample, scientists say:** Researchers found differences in the gut microbes of autistic people, raising hopes for faster diagnosis. [[The Guardian](#)]
- **Daily multivitamins do not help people live longer, major study finds:** Analysis of 400,000 healthy adults finds no health benefits from taking daily multivitamins. [[The Guardian](#)]
- **Mediterranean-style diets benefit kids' health as well as adults:** Introducing kids to Med-style diets could help improve their health and set them up for healthy adult lives, researchers say. [[Scimex](#)]
- **Building research into the Allied Health Workforce Strategy:** Research Australia's responses to the government consultation paper on the draft outline of the National Allied Health Workforce Strategy. [[Research Australia](#)]

- **Toddler milk 'a myth that needs to be busted':** Marketing guidelines for infant and toddler formulas need to be scrapped and replaced with a stricter code of practice, leading health organisations say. [[Health Times](#)]
- **Allergy warning over tween skincare trend:** Australian skin specialists are worried at the growing trend of children and young adolescents obsessing over skincare routines that include skin peels and potent formulas such as retinol and hyaluronic acid. [[Medical Republic](#)]
- **An academic publisher has struck an AI data deal with Microsoft – without their authors' knowledge:** Authors say they had no opportunity to opt out of the deal, and will not see any money from it. [[The Conversation](#)]
- **Ten must-read public health articles by Aboriginal and Torres Strait Islander researchers:** Articles published by and for Aboriginal and Torres Strait Islander peoples centre our perspectives. [[Intouch Public Health](#)]

What's really inside vapes? We pulled them apart to find out: Vapes now represent a significant proportion of an alarming new category of e-waste. [[The Conversation](#)]



- **What is it like to attend a predatory conference?:** Nature sent a reporter to find out as part of an investigation into dud events. [[Nature](#)]
- **The Publish or Perish Game: a game where we embrace plagiarism and the reviewer 2 in us:** Players race to publish manuscripts with useless nonsense while sabotaging each other's research and delivering "very helpful" comments. [[Publish or Perish](#)]
- **ACN Position Statement: Artificial Intelligence (AI):** Nursing must match the pace of development and implementation of AI while fully understanding the benefits, limitations, and risks of its use. [[ACN](#)]
- **Academic journals are a lucrative scam – and we're determined to change that:** Giant publishers are bleeding universities dry, with profit margins that rival Google's. So we decided to start our own. [[The Guardian](#)]

Article titles are linked to full text where available, or to information about ordering documents. An [OpenAthens account](#) is required for remote access.

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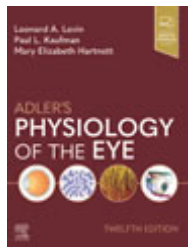
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[Adler's Physiology of the eye](#) / edited by Leonard A. Levin, Paul L. Kaufman, Mary Elizabeth Hartnett. 12th ed. Elsevier, 2025

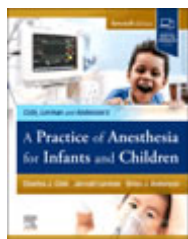


This fully revised edition continues the successful Adler's approach that connects basic science and clinical aspects in a user-friendly, highly visual format. It captures the latest molecular, genetic, and biochemical discoveries and offers unparalleled knowledge and insight into the physiology of the eye and its structures. This edition covers the full structure and function of the eye and its related anatomy and makes the connection between physiology and clinical practice.

The text includes major updates throughout, including new information on OCT/OCTA imaging, new drug delivery methods, ocular biomechanics, and evolving gene therapies. The 12th edition also features approximately 1,000 illustrations throughout, including medical artwork; schematics, charts, and graphs; clinical photographs; and more.

[online]

[Coté, Lerman and Anderson's A Practice of anesthesia in infants and children](#) / edited by Charles J. Coté, Jerrold Lerman, Brian J. Anderson. 7th ed. Elsevier, 2025



This book covers everything from preoperative evaluation to neonatal emergencies to the PACU, and features state-of-the-art advice on the safe, effective administration of general and regional anesthesia and sedation strategies for young patients. It reviews underlying scientific

information, addresses preoperative assessment and anesthesia management in detail, and provides guidelines for postoperative care, emergencies, and special procedures. Comprehensive in scope and thoroughly up to date, this edition delivers unsurpassed coverage of every key aspect of pediatric anesthesia. It covers key topics such as anesthetizing children with cancer, neonatal and pediatric emergencies, the obese child and bariatric surgery, interventional devices for children with congenital heart defects, cardiopulmonary resuscitation, simulation in pediatric anesthesia, patient safety and quality assurance, and more.

An extensive video library is also featured with pediatric anesthesia procedures, particularly difficult airway management strategies, new positioning devices, cardiac assist devices in action, management of burn injuries and how to perform ultrasound-guided regional anesthesia blocks and techniques.

[online]

[Fanaroff and Martin's Neonatal-perinatal medicine: diseases of the fetus and infant, 2-volume set](#) / edited by Richard J. Martin, Avroy A. Fanaroff. 12th ed. Elsevier, 2025



This useful reference for general physicians and advanced practice providers provides trusted guidance on the management and evidence-based treatment of problems in the mother, fetus, and neonate. It brings you up to date with everything from diagnosis and treatment selection through post-treatment strategies and management of complications—all with a dual focus on neonatology and perinatology, and all designed to help you improve the quality of life and long-term outcomes of your patients.

This edition includes new chapters on Big Data for the Smallest Patients: What we can learn from neonatal database research; Role of Umbilical Cord Management in Neonatal Resuscitation; Care of Periviable Micropremies: the Japanese perspective; Longer Term Respiratory Outcomes of Prematurity; and Perinatal Palliative Care.

It also features extensive updates throughout, including blood and the hematopoietic system; social and economic contributors to neonatal outcome; fetal growth restriction; diagnostic imaging of the neonate; anesthesia in the neonate; postnatal bacterial infections; neonatal management of congenital heart disease; and retinopathy of prematurity.

[online]

[In utero pediatrics: research & practice](#) / edited by Kun Sun. Springer, 2023



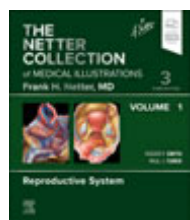
This book is to provide an overview of in utero Pediatrics, an interdisciplinary medicine focusing on sequential and comprehensive care for fetuses and children who have functional and/or structural disorders originated from in utero. It covers congenital disorders in cardiology, neurosurgery, urology, general surgery, endocrine genetics, and other related topics.

Each chapter starts with the basic theory, illustrates clinical practices on certain congenital disorders, and summarizes recent research and advances in the field. Written by experts with wealthy experiences, this case-based book will be a valuable reference for pediatricians and perinatologists, as well as those who are interested in this field.

Library Update

[online]

[The Netter Collection of medical illustrations: volume 1, reproductive system](#) / edited by Roger P. Smith, Paul J. Turek, illustrated by Frank H. Netter. 3rd ed. Elsevier, 2025



Offering a concise, highly visual approach to the basic science and clinical pathology of the reproductive system, this updated volume in The Netter Collection of Medical Illustrations (the CIBA "Green Books") contains unparalleled didactic

illustrations reflecting the latest medical knowledge. The revised edition integrates core concepts of anatomy, embryology, physiology, and genetics with common clinical correlates across health, medical, and surgical disciplines. Classic Netter art, updated and new illustrations, and modern imaging continue to bring medical concepts to life and make this timeless work an essential resource for students, clinicians, and educators. [See also volumes 2 to 9.](#)

[online]

[Pediatric emergency medicine secrets](#) / edited by Steven M. Selbst, Jillian Stevens Savage. 4th ed. Elsevier, 2025



For more than 30 years, the highly regarded Secrets Series® has provided students and practitioners in all areas of health care with concise, focused, and engaging resources for quick reference and review. This 4th edition offers practical, up-to-date coverage of the full range of essential topics in this dynamic field.

The text is divided into seven sections. The first addresses life-threatening conditions and immediate stabilization of children. The second section features common chief complaints that are often managed in the ED. Later sections focus on important medical emergencies, surgical emergencies, major and minor trauma, and environmental emergencies. Finally, questions relating to special topics in pediatric emergency medicine (procedural sedation, bio-terrorism, ultrasound, risk management, and the transport of children to specialized centers) are included.

New chapters include Sexual Assault, High-Altitude Illness, Disaster Preparedness, Point-of-Care Ultrasound, and Patient Safety and Quality Improvement. All other chapters have been revised and revamped with new questions and current references. Many chapters have classic photographs and radiographs to enhance learning. Each chapter features Key Points that highlight essential tips and pearls. The Top 100 Secrets have been collated and updated for rapid review and summary.

[online]

[Psychiatry: an illustrated colour text](#) / by Lesley Stevens, Ian Rodin. 3rd ed. Elsevier, 2025



The third edition of this award-winning book offers an accessible and fun way of learning about the basic principles and practice of psychiatry. Psychiatry provides a highly visual experience, with each topic covered across two pages that you can review and digest easily.

For each spread there are summary boxes, questions and answers and self-assessment tasks that will help with understanding and revision. This wonderful book covers a wide range of subjects, from mental health services to different treatments, the full range of disorders, and psychiatry specialisations. It thus provides an ideal introduction to psychiatry for medical students or anyone learning about mental health for the first time.

[online]

[Understanding the Australian health care system](#) / edited by Louise Reynolds, Deborah Debono, Joanne Travaglia. 5th ed. Elsevier, 2024



A sound understanding of Australia's complex health system is essential for all health professionals who work and collaborate with others in delivering health care. The 5th edition provides a comprehensive and accessible overview of the structure of the

health system, its various functions and the various roles within it.

Logically structured and easy to follow, the resource covers aspects of health system structure and function, health insurance, the PBS, complementary and alternate medicine, current governmental and legislative changes, and comparison to other high-income countries. This overview places into context the 12 health professions and their roles, emphasising the importance of interprofessional practice. Fully updated to reflect current policy, trends and environment, and how these impact on the health care system, practitioners and consumers, this book is an excellent resource for those undertaking health and medical undergraduate and postgraduate courses.

New inclusions to this edition are sections on the changing scope of practice of nurse practitioners, podiatry and occupational therapy and considerations of the impact of the SARS-CoV-2 pandemic on health care delivery and workforce.