

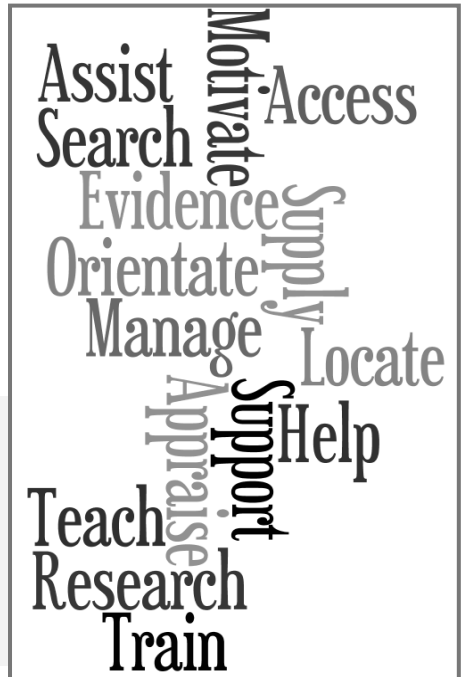


HNE HEALTH LIBRARIES

linking evidence with practice

Library Lore

The newsletter of [HNE Health Libraries](#)
Vol 14(5) May 2018



(L-R): LISA HOWLE (HNELHD-TAMWORTH), CARL KIRKPATRICK (CENTRE FOR MEDICINES USE & SAFETY, MONASH UNIVERSITY) and CHRISTOPHER TRETHEWY (CCLHD-GOSFORD)

CLINICAL PHARMACY IN A REGIONAL AUSTRALIAN ICU

More than a quarter of reported incidents in hospitals are medication-related. The critically ill population is at greater risk of medication-related incidents due to a number of factors, including a higher number of drugs prescribed, lower physiological reserve and greater illness severity. Overseas studies have shown that the inclusion of on-ward

clinical pharmacy support may attenuate these drug-related problems (DRPs); however, local evidence in regional Australian intensive care units (ICUs) is lacking.

A single-centre, cohort-controlled observational study was conducted in a regional ICU over a 16-week period to identify the frequency of DRPs and their risk to patients and the reporting of adverse drug reactions (ADRs) and incidents through the integration of a clinical pharmacist. There were 348 DRPs requiring intervention in the prospective period with a median of two DRPs per patient. 'Change of therapy' was the most common recommendation (75%) and its acceptance by clinicians was 86%.

Instances where medications were ordered but not administered were reduced by 62%. Requests for after-hours pharmacy services were reduced and reporting of ADRs and incidents was marginally increased in the prospective group.

The addition of a clinical pharmacist to the ICU facilitated the detection and resolution of DRPs in this patient group and increased both the likelihood that intended pharmaceutical care reached the patient and that drug reactions and incidents were reported. These results provide local evidence for the inclusion of clinical pharmacists to the multidisciplinary ICU team in a regional Australian hospital.

SOURCE: Lisa Howle, Carl Kirkpatrick & Christopher Trethewy (2018) [Clinical pharmacy in a regional Australian intensive care unit](#). *Journal of pharmacy practice and research*, 48(1), 36-43



HNE HEALTH LIBRARIES: YOUR SOURCE OF QUALITY INFORMATION, RESEARCH & CLINICAL SUPPORT

Having the right information at the right time can enhance staff effectiveness, optimise patient care and improve patient outcomes.

Leading hospitals have already learned the value of including hospital librarians as part of the health care team from diagnosis to recovery.

Are you taking full advantage of this valuable staff resource?

[Contact HNE Health Libraries](#)





HNE Health Libraries can...

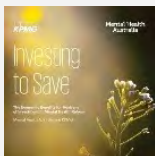
- Help you ask the right questions
- Assist you in selecting the right sources of evidence
- Teach you how to effectively use a range of databases and other evidence-based resources
- Assist you to identify and critically appraise evidence

CHROMOSOME MICROARRAY ANALYSIS: A SOOTHING GUIDE

Few cytogenetics laboratories in Australia routinely provide an old-fashioned chromosomal 'karyotype' analysis. Automated DNA-based microarray analysis is the standard first-line investigation of genetic material in humans, allowing rapid, precise quantification of chromosomes. This short discussion not only provides some guidelines for paediatricians to use in their interpretation of the smaller microarray abnormalities they come across, but also indicates some pitfalls to avoid.

HUNTER GENETICS UNIT

SOURCE: Anne Ronan (2018) [Chromosome microarray analysis: a soothing guide](#). *Journal of paediatrics and child health*, published online Mar 24. doi:10.1111/jpc.13869



REPORT: INVESTING TO SAVE

This report from [Mental Health Australia](#) and KPMG presents the economic case for continued mental health reform. It highlights opportunities for governments and employers to generate more significant returns on their investment in mental health, focusing on a small number of targeted, practical interventions where the evidence base on 'what works' is strong.

[Read more...](#)

REPORT: THE PREVALENCE OF ACQUIRED BRAIN INJURY AMONG VICTIMS & PERPETRATORS OF FAMILY VIOLENCE

This is the first evidence-based study of acquired brain injury and family violence in Australia. Completed by Brain Injury Australia in 2017, this research project identifies a strong association between brain injury and family violence, and significant gaps in service responses, ranging from lack of screening for brain injury, through to inadequate opportunities for effective rehabilitation, recovery and support.

[Read more...](#)

brain injury AUSTRALIA

RECENT ARTICLES

NB. Articles in **dark blue bold text** have Australian content

Articles listed in the newsletter aren't *necessarily* available **FREE**. We're just letting you know what's available!

If you've searched [eJournals and eBooks](#) on the [HNE Health Libraries' website](#) and can't find the article, contact your local HNE Health Library for further assistance. (Contact details are on page 4.)

HNE Health Libraries will be able to supply most articles—but there **may** be charges.

Skelton, E. et al. (2018) Integrating smoking cessation care into routine service delivery in a medically supervised injecting facility: an acceptability study. *Addictive behaviors*, 84, 193-200 LOCAL RESEARCH Available via *ClinicalKey*

Fancourt, D. & Perkins, R. (2018) Effect of singing interventions on symptoms of postnatal depression: three-arm randomised controlled trial. *British journal of psychiatry*, 212(2), 119-121 Available via *CIAP*

Seeman, M. & González-Rodríguez, A. (2018) Use of psychotropic medication in women with psychotic disorders at menopause and beyond. *Current opinion in psychiatry*, 31(3), 183-192 Available via *CIAP*

Gelman, C. & Rhames, K. (2018) In their own words: the experience and needs of children in younger-onset Alzheimer's disease and other dementias families. *Dementia*, 17(3), 337-358

Sandberg, E. et al. (2018) Reintervention risk and quality of life outcomes after uterine-sparing interventions for fibroids: a systematic review and meta-analysis. *Fertility and sterility*, 109(4), 698-707.e1 Available via *ClinicalKey*

Bootsma, B. et al. (2018) Towards optimal intraoperative conditions in esophageal surgery: a review of literature for the prevention of esophageal anastomotic leakage. *International journal of surgery*, 54(A), 113-123 Available via *ClinicalKey*

Overdijkink, S. et al. (2018) [The usability and effectiveness of mobile health technology-based lifestyle and medical intervention apps supporting health care during pregnancy: systematic review. *JMIR mhealth and uhealth*, 6\(4\): e109](#)

Brown, L. et al. (2018) Heart rate variability alterations in late life depression: a meta-analysis. *Journal of affective disorders*, 235, 456-466 Available via *ClinicalKey*

Stolz, T. et al. (2018) A mobile app for social anxiety disorder: a three-arm randomized controlled trial comparing mobile and PC-based guided self-help interventions. *Journal of consulting and clinical psychology*, 86(6), 493-504

Irving, M. et al. (2018) Using teledentistry in clinical practice as an enabler to improve access to clinical care: a qualitative systematic review. *Journal of telemedicine and telehealth*, 24(3), 129-146

SEE ALSO: Estai, M. et al. (2018) A systematic review of the research evidence for the benefits of teledentistry. *Journal of telemedicine and telehealth*, 24(3), 147-156

Zdenkowski, N. et al. (2018) Single-arm longitudinal study to evaluate a decision aid for women offered neoadjuvant systemic therapy for operable breast cancer. *Journal of the National Comprehensive Cancer Network*, 16(4), 378-385 LOCAL RESEARCH

Howick, J. et al. (2018) [Effects of empathic and positive communication in healthcare consultations: a systematic review and meta-analysis. *Journal of the Royal Society of Medicine*, published online April 19. doi: 10.1177/0141076818769477](#)

Briand, C. et al. (2018) Use of a mobile device in mental health rehabilitation: a clinical and comprehensive analysis of 11 cases. *Neuropsychological rehabilitation*, 28(5), 832-863

Taylor, R. et al. (2018) [Methyl-donor and cofactor nutrient intakes in the first 2-3 years and global DNA methylation at age 4: a prospective cohort study. *Nutrients*, 10\(3\), 273](#) LOCAL RESEARCH

Falster, K. et al. (2018) [Maternal age and offspring developmental vulnerability at age five: a population-based cohort study of Australian children. *PLoS Med*, 15\(4\): e1002558](#)

Vermeulen, J. et al. (2018) [Clozapine and long-term mortality risk in patients with schizophrenia: a systematic review and meta-analysis of studies lasting 1.1-12.5 years. *Schizophrenia bulletin*, published online April 25. doi: 10.1093/schbul/sby052](#)

Susan Thomas, Patrick Cashman, Fakhru Islam, Loretta Baker, Katrina Clark, Julie Leask, Robb Butler & David Durrheim (2018) Tailoring immunisation service delivery in a disadvantaged community in Australia; views of health providers and parents. *Vaccine*, 36(19), 2596-2603 LOCAL RESEARCH Available via *ClinicalKey*



10 WAYS THAT LIBRARY & INFORMATION SERVICES POWER THE HEALTH SECTOR

NO 3—VARIED USAGE

Health library and information services are used in many different ways: to keep abreast of clinical developments, progress research, underpin health service redesign and support ongoing professional development. Health professionals use library and information services to support innovation, and to ensure due diligence.

SOURCE: [ALIA report](#)

AHRQ (US) NATIONAL GUIDELINE CLEARINGHOUSE IS COMING TO AN END. BUT ALL IS NOT LOST—CONTACT THE LIBRARY

Clinical practice guidelines (CPGs) are recommendations for clinicians about the care of patients with specific conditions. They should be based upon the best available research evidence and practice experience.



One site that aims to meet the accepted standards for reliable CPGs (as set by the Institute of Medicine, 2011), is the (US) [National Guideline Clearinghouse](#) (NGC). It provides all users with free online access to updated and new evidence-based guidelines and includes standardised information on the methodologies used in the development of guidelines on their site. Unfortunately, it's funding is coming to an end soon (July 2018).

If you need help to find CPGs, or want assistance in writing one—go to the [Clinical Practice Guidelines](#) page on the Libraries' website. You'll find 'Criteria for trustworthy clinical practice guidelines', a long list of online databases to explore – particularly useful for Australian guidelines – plus links to relevant articles and books. Or just [contact a HNEH Library](#).

WHAT CAN YOUR HNE HEALTH LIBRARY DO FOR YOU?

Health Library and Information services are used in many, varied ways—these are just a few:

- Provide quality information to improve patient care and health outcomes
- Keep you informed of the latest developments and best practice in your field
- Support your PD and research activities
- Assist you to use online books, journals, apps and other resources
- Provide training in literature searching and reference management
- Obtain books and articles from other sources
- Record & provide access to your presentations

Contact [your local branch of HNE Health Libraries](#) to see what we can do for you.



LIBRARY AND INFORMATION WEEK CELEBRATIONS

HNE Health Libraries' staff member, Leonie Barbour celebrated Library and Information Week at the John Hunter Hospital branch by creating a fantastic display. I think her friend is really impressed (and so are we)!



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CONTACT DETAILS

ARMIDALE—Dr Harold Royle Library
Armidale Hospital
Telephone: (02) 6776 9724
E-mail: Nina.Sithakarn@hnehealth.nsw.gov.au

BELMONT—Level B (lower ground floor)
Belmont District Hospital
Telephone: (02) 4923 2192
E-mail: HNEHLD-Libraries@hnehealth.nsw.gov.au

CESSNOCK—Level 1, Administration Block, Cessnock Hospital
Telephone: (02) 4991 0315
E-mail: HNEHLD-Libraries@hnehealth.nsw.gov.au

JOHN HUNTER—Level 1, E Block, John Hunter Hospital
Telephone: (02) 4921 3778
E-mail: HNEHLD-Libraries@hnehealth.nsw.gov.au

MAITLAND—Level 3, Education Centre, The Maitland Hospital
Telephone: (02) 4939 2405
E-mail: HNEHLD-Libraries@hnehealth.nsw.gov.au

TAMWORTH—UDRH Education Centre, Tamworth Hospital
Telephone: (02) 6767 7985
E-mail: HNEHLD-TamLib@hnehealth.nsw.gov.au

TAREE (MANNING)—Library, Manning Rural Referral Hospital, Taree
Telephone: (02) 6592 9352
E-mail: Sue.DeSouza@hnehealth.nsw.gov.au

THE MATER—Level 4, Mental Health Admin Building, The Mater Hospital, Waratah
Telephone: (02) 4033 5075
E-mail: HNEHLD-MaterLibrary@hnehealth.nsw.gov.au